Government Polytechnic, Hingoli

Dept. of
Computer Engineering

Updated SAR

Application Id. No. 8688-24/11/2023

Date: 02/08/2025

SAR Contents

Part A

1 Name and Address of the Institution:

GOVERNMENT POLYTECHNIC, HINGOLI

P-9 MIDC LIMBALA, HINGOLI 431513

2. Name and Address of the Directorate of Technical Education:

Directorate of Technical Education, Maharashtra State, Mumbai

3, Mahapalika Marg, Post Box No.1967, Opp. Metro Cinema, Mumbai 400 001

Tel: (022) 2264 1150, 2264 1151, 2262 0601, 2269 0602

Fax: (022) 2269 2102, 2269 0007

3. Year of Establishment: **2009**

4. Type of the Institution:

- University
- Deemed University
- Autonomous
- **Affiliated ✓**
- Any Other (Please Specify): -

5 Ownership Status:

o Central Government	o Trust
o **State Government ✓**	o Society
o Government Aided	o Section 25 Company
o Self-financing	o Any Other (Please Specify)

6. Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
Not applicable	NA	Not applicable	Not applicable

7. Details of all the programs being offered by the institution under consideration

Name of Program	Program applied level	Start of year	Year of AICTE approval	Intake Initial	Increase Intake	Current intake	Accreditation status	from	to	Program for considerations	Program for duration
Diploma in Computer Engineering	Diploma	2009	2009	60	NO	60	Applying First time	--	--	--	--
Diploma in Electronics and Telecommunication Engineering	Diploma	2009	2009	60	NO	60	Applying First time	--	--	--	--

7a. Accreditation History

Sr no	Name of the Department	Name of the Program	Year of 1 Accreditation (if Applicable)	Year of 2nd Accreditation (if Applicable)	Year of 3rd Accreditation (if Applicable)
1	Diploma in Computer Engineering	Diploma in Computer Engineering	Applying first time	--	--
2	Diploma in Electronics and Telecommunication Engineering	Diploma in Electronics and Telecommunication Engineering	Applying first time	--	--

7b. Programs to be considered for Accreditation vide this application:

Sr no	Level	Discipline	Program
1	Diploma	Engineering and Technology	Diploma in Computer Engineering
2	Diploma	Engineering and Technology	Diploma in Electronics and Telecommunication Engineering

8 Total numbers of Employees:

A. Regular * Employees (Faculty and staff)

Engineering and Technology Diploma Shift-1

Items	2025-2026		2024-2025		2023-2024		2022-2023		2021-2022	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering & Technology (Male)	13	14	14	15	14	18	17	17	18	18
Faculty in Engineering & Technology (Female)	4	4	4	5	4	5	4	3	7	7
Faculty in Science & Humanities (Male)	6	6	6	6	5	5	5	5	5	5
Faculty in Science & Humanities (Female)	2	2	2	3	2	2	2	2	2	2
Non-teaching staff (Male)	24	25	24	27	24	27	25	26	18	18
Non teaching staff (Female)	3	4	3	4	2	3	1	2	2	2

B. Contractual Staff (Not Covered in 8A):

Engineering and Technology-Diploma	**Shift**	**Shift**
	NIL	NIL

9. Total number of Students:

Engineering and Technology-Diploma Shift-1

Course Name CO, EJ & ME	**2024-25**	**2023-24**	**2022-23**	**2021-22**
Total no of Boys	357	316	348	391
Total no of Girls	239	175	148	102
TOTAL	596	491	496	493

Engineering and Technology-Diploma Shift-2

Course Name ME	**2024-25**	**2023-24**	**2022-23**	**2021-22**
Total no of Boys	**119**	**101**	**106**	**69**
Total no of Girls	18	20	16	05
TOATAL	137	121	122	74

10. Contact Information of the Head of the Institution and NBA Coordinator

Head of the Institution	
Name	**Bhaskarrao P Deosarkar**
Designation	I/C Principal
Mobile No.	9527930967
E-mail ID	principal.gphingoli@dtemaharashtra.gov.in

NBA Coordinator, If Designated

Name	**Santosh R Mudholkar**
Designation	Lecturer in English
Mobile No.	9422172891
E-mail ID	Sunu2476@gmail.com

CRITERION 1	Vision, Mission and Program Educational Objectives	50

1.1. State the Vision and Mission of the Department & Institution (05)

1.1.1 INSTITUTE MISSION AND VISION

VISION OF INSTITUTE

"Transform human lives through quality technical education to achieve sustainable development."

MISSION OF INSTITUTE

M1: Continuous upgradation of infrastructure to fulfil technological needs.

M2: Build competent engineers through quality technical education and effective curriculum implementation.

M3: Foster industry-institute interaction for skill development in student as well as faculty.

M4: Develop leadership quality, supervisory skills, ethical values, patriotism and entrepreneurial attitude for enhancing employability.

1.1.2 Vision and Mission of Computer Engineering Department

VISION

"To impart quality technical education and develop competent computer professionals to serve the welfare of human being."

MISSION

Department of computer engineering is committed to:

M1: To impart knowledge in computer science and engineering to solve real-time problems in society.

M2: To develop students by enhancing emerging technologies in the field of computer engineering and inculcating entrepreneurship quality in them.

M3: To develop technical & soft skill through co–curricular and extra-curricular activities for improving personality.

M4: To enhance the commitment of computer engineering faculty, staff and students by inculcating the spirit of inquisitiveness, teamwork, innovation and professionalism.

1.2. State the Program Educational Objectives (PEOs) (05)

Department of Computer Engineering will provide the Competent Diploma Engineers who can:

PEO1: Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.

PEO2: Adapt state-of-the-art Computer engineering broad-based technologies to work in multidisciplinary work environments.

PEO3: Solve broad-based problems individually and as a team member communicating effectively in the world of work.

1.3. Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

Vision and mission statements start manifesting themselves in every action. Once the Vision and Mission statements were approved by the governing body of Government Polytechnic, Hingoli to ensure people to know about and view the statements whenever they please, they are made public by publishing them at following places

- **Institute website http://www.gphingoli.in**
- **Department Main Notice Board**
- **Laboratories**
- **Classrooms**
- **Student Activity Boards**
- **Faculty Course Files**
- **Head of Department cabin**
- **Staff Cabin**
- **Department Corridors**

Dissemination of vision and mission:

Vision-Mission and PEOs have been disseminated in a planned way by taking into account internal stakeholders (e.g. Head of Institute, Governing Body Members, Faculty, supporting staff and Students) and external stakeholders (e.g. Industry, Alumina, Parents and Governing agencies) as shown in following Table no 1.1

Table No 1.1: Dissemination of vision-mission and PEOs

Sr. No.	Stakeholders	Medium of Dissemination
1.	Industry/Employer	Website, Electronic Medias like WhatsApp
2.	Alumni	Website, Meeting, Electronic Medias like WhatsApp
3.	Parents	Website, Meeting, Electronic Medias like WhatsApp, HOD cabin, corridors and notice boards, Circulation through students
4.	Governing Body	Website, Meeting
5.	Student	Website, Orientation Program, Electronic Medias like WhatsApp, Question Papers, department laboratories, staff rooms, classrooms, HOD cabin, corridors notice boards, Online quiz/assignments through Google Classroom
6.	Governing agencies and public	Website

1.4. State the process for defining the Vision, Mission of the Department and PEOs of the program (15)

1.4.1 Process for defining the Vision, Mission of the Department

This Self-Assessment Report (SAR) for NBA Accreditation is outcome of the strategic planning process carried out by Computer Engineering Department of Government Polytechnic, Hingoli for bringing quality in teaching learning process through attainment of program outcomes to achieve Program Educational Objectives set by MSBTE.

Vision and Mission statements are essential for strategic planning. Vision statements provide specific point of guidance in the planning process. Everything contained in the planning process need to be aligned with mission. Vision and Mission statements are standard and judicious elements of department organizational strategy to ensure alignment of each of its associated member to its long-term goals. Clearly
defined vision and mission will help to ensure each action and decision taken pushes it forward towards the vision. Then, department can set strategies that are aligned with Institute Vision to achieve the program educational objectives through attainment of program and program specific outcomes to fulfill expectations of accreditation agency (NBA) and MSBTE.

Program outcomes, program educational objectives and program specific outcomes need to be translated into operational plan which can be implemented, monitored and evaluated. The outcome of the evaluation will decide whether any revision of the vision statement, mission statements or implementation plan is required.

With this background, under the leadership of Institute Head, HOD, Faculty members and Staff along withthe continuous involvement of stakeholders through their feedback and opinions, department of Computer Engineering framed its Vision and Mission statements. Vision of the Institute and program educational objectives provided by MSBTE and program outcomes given by NBA in generic form further customized specific to department are taken as input for this process. Strategic steps as listed below were followed to finalize the statements.

Step 1: Vision- Mission of an Institution, POs and PEOs of the Department (Given by MSBTE) are taken as basis.

Step 2: Brainstorming sessions of the department faculties were conducted periodically to carryout SWOC analysis of the department which resulted into following questions.

I. What the department is for?
II. What is Institute Vision?
III. What are the program educational objectives?
IV. What way the department can contribute in achieving institute vision?
V. What different steps department needs to take to achieve program educational objectives and Institute vision?
VI. What is present status of the department?
VII Where department should reach in next 5-7 years?
VIII What are different paths, department needs to follow, to reach the target? What are the milestones in these paths? Which of these paths are feasible, affordable, legal and ethical?
IX What are the constraints to the department? Are there any factors that may affect the vision and/or mission and strategic plan? How to cope up with these factors?
X To whom the department is concerned directly or indirectly?

Step 3: In the brainstorming sessions some of questions were answered. With further discussions, it was concluded that for framing vision and mission statements for department involvement of stakeholders is necessary as they are directly or indirectly concerned. Their early opinions may also provide them an opportunity to own the vision.

Accordingly, stakeholders and their level of concerns were identified and are as listed below.

Department Stakeholders and Concern:

- **Students:** Indirectly involved, their placement is success indicator for the program, feedback may help in improvement of program and may guide in framing mission statements.
- **Industry:** Provide industrial training and placement to students, being stakeholder they can provide observations about outcomes of program, corporate input from industry representatives is considered essential in assessing student performance. Their expectations may prove milestone for framing department vision and mission.
- **Faculty:** Responsible for quality of the program delivery, involvement in establishment of program Mission-vision, at root level of the process of facilitation, their initiative is important for development of infrastructure and facilities, their behavior may reflect in program outcome.
- **Alumni:** Ambassadors of the program, may provide insight into satisfaction level and highlight services and activities that can be improved, feedback may be helpful in improving infrastructure and facility, know about latest technologies used in industry, tell how far the program is successful in achieving its educational objectives. Feedback may prove helpful to take actions to minimize the gap between industry requirements and actual program outcomes. Alumni of the department represent a much broader spectrum of individuals with a wide range of experience in their lives and careers.
- **Parents**: Parent has aspirations of quality education, overall development and good placements for their ward. The parent constituency may show their concern by providing valuable suggestions and feedbacks.
- **Governing Body**: Is the body to suggest the policies, monitor the performance and suggest the actions. Hence, it is essential for the department to know their expectations and the way department needs to function.

Step 4: Environmental Scan:
Sustainability and timely achievement of vision through accomplishment of missions depends on the surrounding Environment which may be Internal or external.

Internal environment:
i) Department faculty: Department culture, values of the people and beliefs may affect the targets. Beliefs and behavior may affect implementation and unhealthy relations among the colleagues may affect the mission and indirectly time may require achieving the vision.
ii) Faculty from other department: If caught in unhealthy competition with other department, may generate hurdles as their cooperation is important in case of interdisciplinary requirements; interdependency at institute level support may affect the process.
iii) Office: related to student and staff, conflicts with students, staff and faculty regarding related services may percolate in the department and cause destructions affecting mission speed and time required for achievement of vision.
iv) Head of the institute: Support is vital in all activities of the department, as it is totally dependent on institute for financial resources.
v) Training and Placement: Institute level activity, timely actions are important for providing facilities of internship, training and employment.
vi) Gymkhana: It is for overall sports and cultural facility, that to need worked efficiently for overall extracurricular development of the students.

External environment :
i) Societal: Change in societal needs may necessitate change the outcome that may force to bring change in strategic plan.
ii) Technological: The change in technology needs to reflect in the curriculum and accordingly infrastructural changes need to be brought in the department. Updating of laboratories becomes necessary. Productive use of social media platforms, electronic media, smart phones etc. may help to become aware of recent technological changes.
iii) Economical: Department being part of the institute highly dependent on the institute for financial resources. Institute is owned by GoM and hence sufficient grants are required to achieve the program educational objectives. Any change in government policy may affect the mission and time required to achieve the vision.
iv) Political: Change in political scenario may change the governance altogether.

Constraints with the department:
i) Administrative and financial policy decisions at institute level.
ii) To follow Rules and regulations of State Government of Maharashtra and upgradation of the facilities and resources lies with its sanction.
The vision and mission need to have capability and provisions to cope up with these factors.

Step 5: Accordingly, the basis for vision and mission statements was extended with inclusion of results of brainstorming sessions and environmental scan. Hence to record the opinions of stakeholders, questionnaires were prepared and validated in consultation with departmental faculty and head of the institute. Analysis of these received responses resulted in strengths, weaknesses of the department and opportunities for its improvement.

- **Department Strengths:**
  1. Industry based/ OBE curriculum of MSBTE.
  2. Curriculum Implementation and assessment norms provided by MSBTE.
  3. Excellent student enrollment.
  4. Sufficient built-up area to run the program.
  5. Good number of regular faculty.
  6. Competent Faculty.
  7. Being department of Government institute, sufficient funding for infrastructure development.
  8. Adequate number of equipped laboratories.
  9. Well-equipped computer laboratories (Networking facility of 24) with internet connection.
  10. Computational facility in 5 laboratories.
  11. Facility for online examinations conducted by MSBTE and MOOCS.

- **Department still has scope for Improvement in…**

1. Effectiveness of curriculum implementation.
2. Laboratory facilities.
3. Year by year degradation in input quality.
4. Creation of Smart classroom.
5. Removal of obsolete and beyond repair equipment.
6. Industry institute interaction.
7. Communication skills of the students.

- **Hence department has Opportunities in following areas**

1. Improvement in enrollment.
2. Enhancement of industrial exposure to students and faculty.
3. Increase in use of modern tools for delivery of teaching learning process.
4. Arrange state level quiz and project competitions.
5. Upgradation of laboratories to match the learning facility to recent development.
6. Create industry supported labs.

Step 6: Based on future opportunities and Program educational objectives, to decide the destination for next five to seven years in line with Institute Vision, the role of the department is to develop competent manpower through technical education which has competencies to serve the needs of industry and society and be excellent among the competitors.

Step 7: Answering to above requirement department Vision statement was drafted. With the input from stakeholders in the form of feedback and inputs from governing body, head of the institute, students and faculties of the department, following areas were identified to set the drive for achieving of the vision.

- Theoretical knowledge
- Practical Knowledge
- Exposure to external environment
- Intrinsic Development (Attitude, Professionalism, Environmental awareness, Generic skill, social Awareness, lifelong learning)

Step 8: Targeting these areas, actions were then listed based on target beneficiary, place of action and required resources to generate them as draft mission statements within department boundary. The process of articulation of vision and mission statement is shown as below in Figure 1.1 and figure 1.2

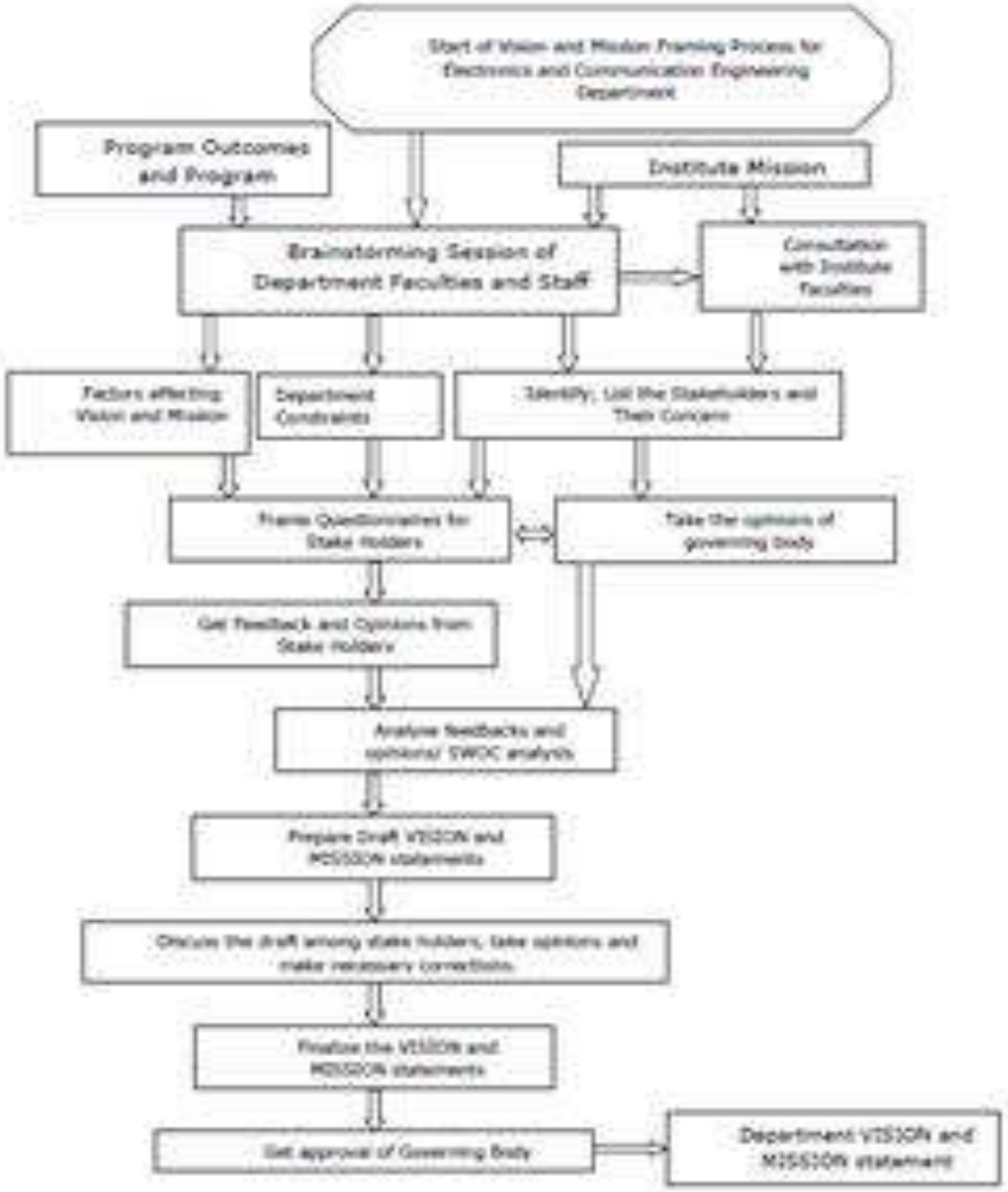


Figure 1.1 Process of framing Vision and Mission statements of department

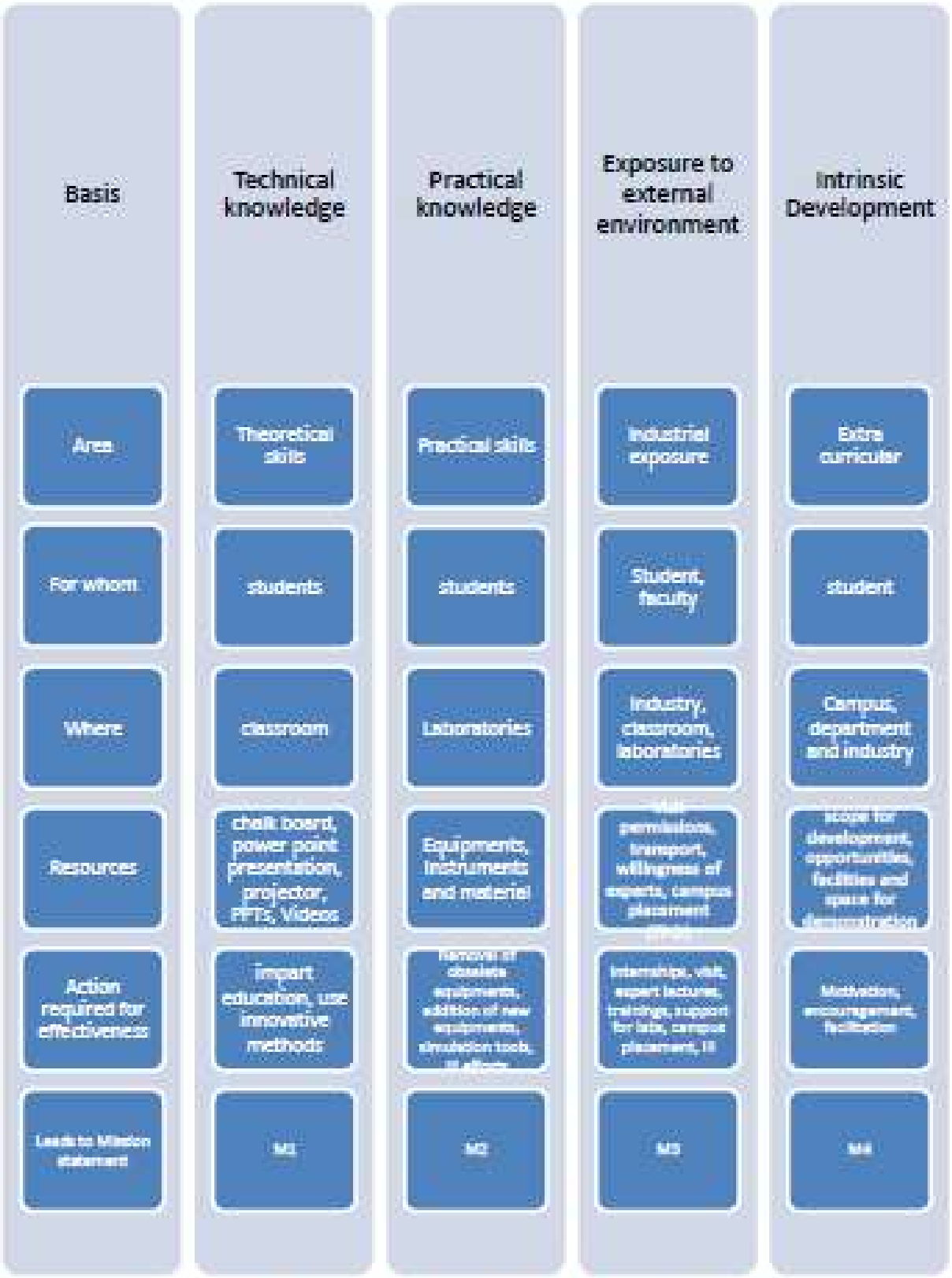


Figure 1.2 Articulation of process used to draft mission statements

Step 9: Draft mission statements were written in department faculty meeting.

Step10: Draft vision and mission statements were discussed among the departmental faculties, faculties from other Department, alumni, and students and consulted with Governing Body members and their opinions were Sought. Taking opinions of stakeholders, the draft was revised and finalized.

Step 11: Finally, the governing body approved the Vision and Mission statements with discussion among the members.

1.4.2 Process for defining the PEOs

Our institute is affiliated to MSBTE; hence Curriculum of our programme is designed by Board of technical education. Board has practice of designing and changing curriculum every five year. We have curriculum of "S-scheme (scientific)", "A-scheme (need based); Scheme", G-scheme (industry based but expectation based), I-Scheme (OBE & Industry based), since inception of programme in our institute. G-scheme curriculum is designed based on feedback from industries and teaching faculties.

Computer Engineering program of Government Polytechnic, Hingoli is affiliated to MSBTE. MSBTE during curriculum design process defines Program Educational Objectives for the respective program of all the affiliated institutes, following scientific principles, and are its part. Program Educational objectives state the activities that student will continue to exhibit after 5 to 7 years of passing out diploma Computer Engineering.

Meanwhile in 2016 MSBTE adopted OBE policies for curriculum design (I-Scheme), during which MSBTE conducted extensive job market survey to identify the competencies that the diploma holder needs to possess to satisfy industry need. MSBTE carried out extensive survey of industries in the state of Maharashtra and took feedback from alumni through a set of well-designed questionnaires and the data collected is analyzed to understand the competencies that a diploma pass out need to possess to satisfy the need of industries with respect to handling the responsibilities in the middle and/or supervisory level of management role. To develop the competencies of the students in the form of program outcomes, MSBTE defined the educational objectives for every affiliated program with involvement of BOs MSBTE; Experts from NITTTR, Bhopal and Faculties from various institutes affiliated to MSBTE and were approved by GB MSBTE. These program educational objectives are delivered as part of the program curriculum. As after 2016 we have mapped G-Scheme curriculum with OBE approach. The PEOs defined by MSBTE for new scheme (I) are adopted to map G-Scheme with recent developments

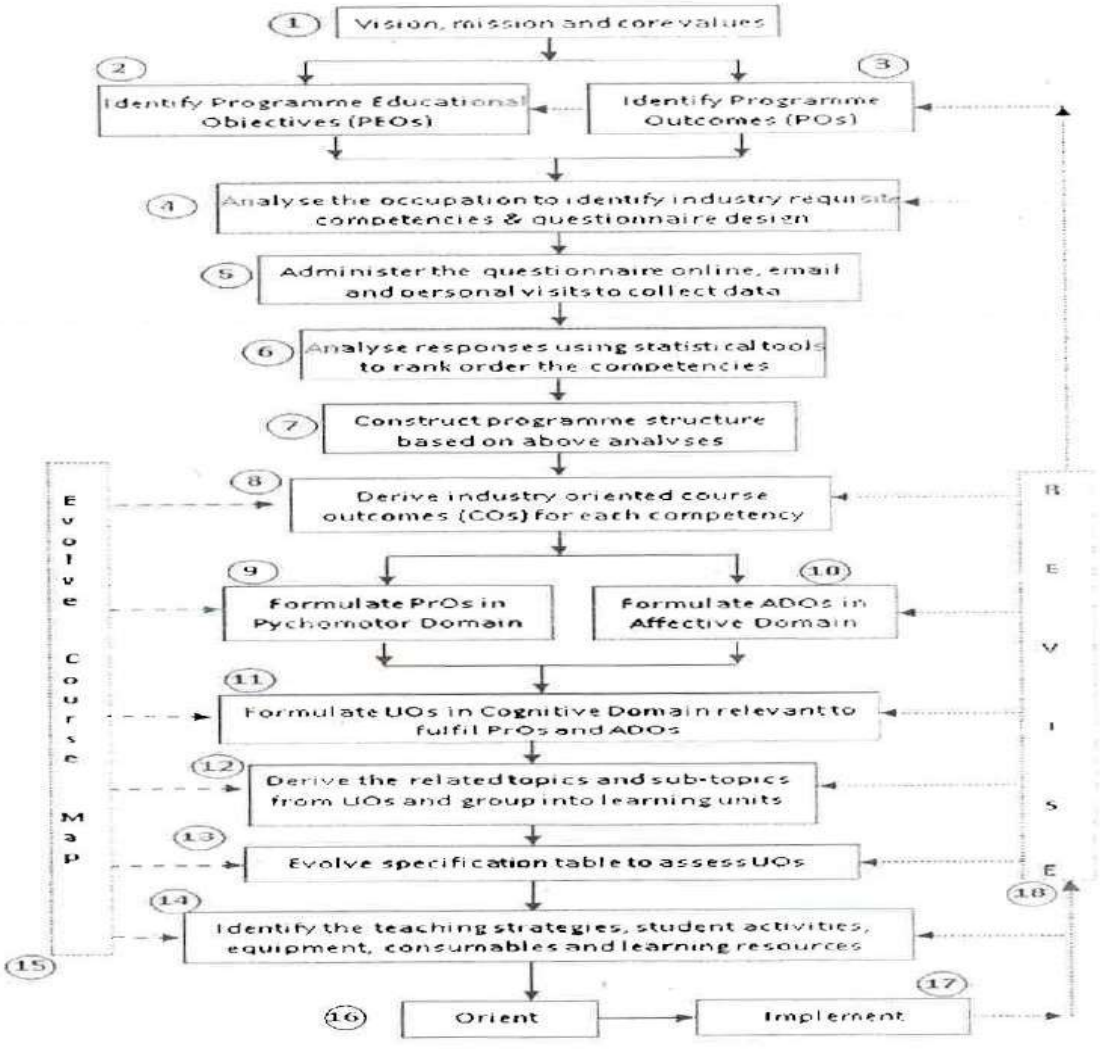


Figure 1.3 Process of defining PEOs used by MSBTE

1.5. Establish consistency of PEOs with Mission of the Department
(*Generate a "Mission of the Department – PEOs matrix" with justification/ rationale of the mapping*)

PEOs	MISSION STATEMENTS				JUSTIFICATION
	M1	M2	M3	M4	
1. Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.	**3**	**3**	**3**	**3**	PEO1 is concerned with the finding the solutions to broad based problems which requires strong knowledge and skills that may be provided by imparting quality technical education hence mission statement M1 strongly maps to it. Laboratory is a place to confirm the knowledge and acquire practical skills. Updated laboratories are required to impart these skills and hence mission statement M2 also strongly maps with PEO1. It requires finding the solutions to problems and hence exposure to industrial environment and skill up-gradation is required for it and so, M3 also strongly maps to PEO1. Social responsibility, professionalism and environment friendly solution requires development of these skills which are the objectives of M4 and hence M4 also maps fully to PEO1.
2. Adapt state-of-the-art Computer engineering broad-based technologies to work in multi-disciplinary work environments.	**3**	**3**	**3**	**3**	PEO2 requires adaptation to state-of-the-art technologies which requires strong technical knowledge which is the objective of mission statement M1 and hence M1 strongly maps to PEO2. For acquiring recent technological skill set, up gradation of laboratories is also important and hence M2 maps strongly to PEO2. Adaption requires passion for lifelong learning and professionalism and hence M4 also strongly maps to PEO2. Exposure to latest technologies may help in understanding state of the art and hence industrial exposure is must. Hence M3 strongly maps to PEO2.
3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.	**3**	**3**	**2**	**3**	PEO3 Solving broad based problems at individual level require technical knowledge and skills which can be imbibed by imparting quality technical education and providing updated laboratory facilities and hence M1 and M2 strongly maps to PEO1. Industrial exposure may help in vision building and hence M3 moderately maps to PEO3. To work as team member and communicate effectively development of generic skills is useful and professionalism and lifelong learning is required which is motive of mission statement M4. Hence M4 strongly maps to PEO3.

M1, M2...Mn are distinct elements of Mission statement. Enter correlation levels 1, 2 or 3as defined below: 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put "-"
Note: *In this document wherever the term "Process" has been used its meaning is process formulation, notification and effective implementation.*

CRITERION 2	Program Curriculum and Teaching-Learning processes	200

2.1 PROGRAM CURRICULUM (50)

Government Polytechnic, Hingoli is affiliated to Maharashtra State Board of Technical Education (MSBTE), Mumbai and follows its curriculum, norms of curriculum implementation and assessment. MSBTE has adopted a policy of curriculum design based on scientific principles since 1995. From then on, till today various revisions in the curricula have been made and implemented. Every new scheme introduced by MSBTE focuses on the development of both technical and professional skills in students and also generic skills as the quality of diploma pass outs as expected by industries to be reflected in the form of knowledge, skills and attitude.

From the year 2017-18 MSBTE has revised the curriculum as per their policy adopting OBE philosophy and named it as 'I' scheme. MSBTE carried out extensive survey of industries in the state of Maharashtra and taken feedback from aluminise through a set of well-designed questionnaires and the data collected was analysed to understand the competencies that a diploma pass out need to possess to satisfy the need of industries with respect to handling the responsibilities in the middle management and/or supervisory level of management role.

The philosophy of curriculum design with respect to its contents and duration as adopted by the MSBTE is described below for easy understanding of the process used by MSBTE in framing the curriculum. Curriculum so designed is implemented uniformly in the entire Maharashtra state. MSBTE provides the norms for implementation of curriculum, assessment and evaluation for theory and practical's. The curriculum so prepared, when implemented effectively addresses all the POs and PSOs.

2.1 A) Curriculum:

"Curriculum is an educational program designed and implemented to achieve specified educational objectives". This definition takes into account the fact that

- Education is purposeful.
- There is an organized plan of action contemplated.
- Such a plan is translated into action through appropriate strategies of implementation.

2.1 B) Curriculum goals

1. To develop confidence in students by providing more exposure to industry experience and world of work at global level.
2. To provide conceptual knowledge and develop analytical ability.
3. To develop communication skill with good English by providing sufficient practice.
4. To enhance latest technical knowledge industry interaction and media.
5. To develop learning to learn skills and life skills to cope up with industrial culture.
6. To impart managerial skills by providing appropriate theoretical inputs.
7. To develop problem solving ability through technical projects.

2.1 C) MSBTE curriculum philosophy:

The present scenario of globalization and relatively young population of India, as compared to other developed countries of the world, have created a situation of demographic dividend for our country. This means that a great opportunity to groom young and capable workforce to meet the global needs is available, but the acceptance of our workforce relies on the fact that the curricula offered by our polytechnics match with the provision of Sydney accord for engineering diploma programs. National Board of Accreditation (NBA) has accepted most of the features of this accord. One of the core features of this accord is that the curriculum should be designed such that its implementation leads to development of tangible outcomes in the students. In this backdrop, the salient features of the revised curriculum are explained in the following paragraphs.

Figure below provides brief overview of the entire outcome based curriculum development process –

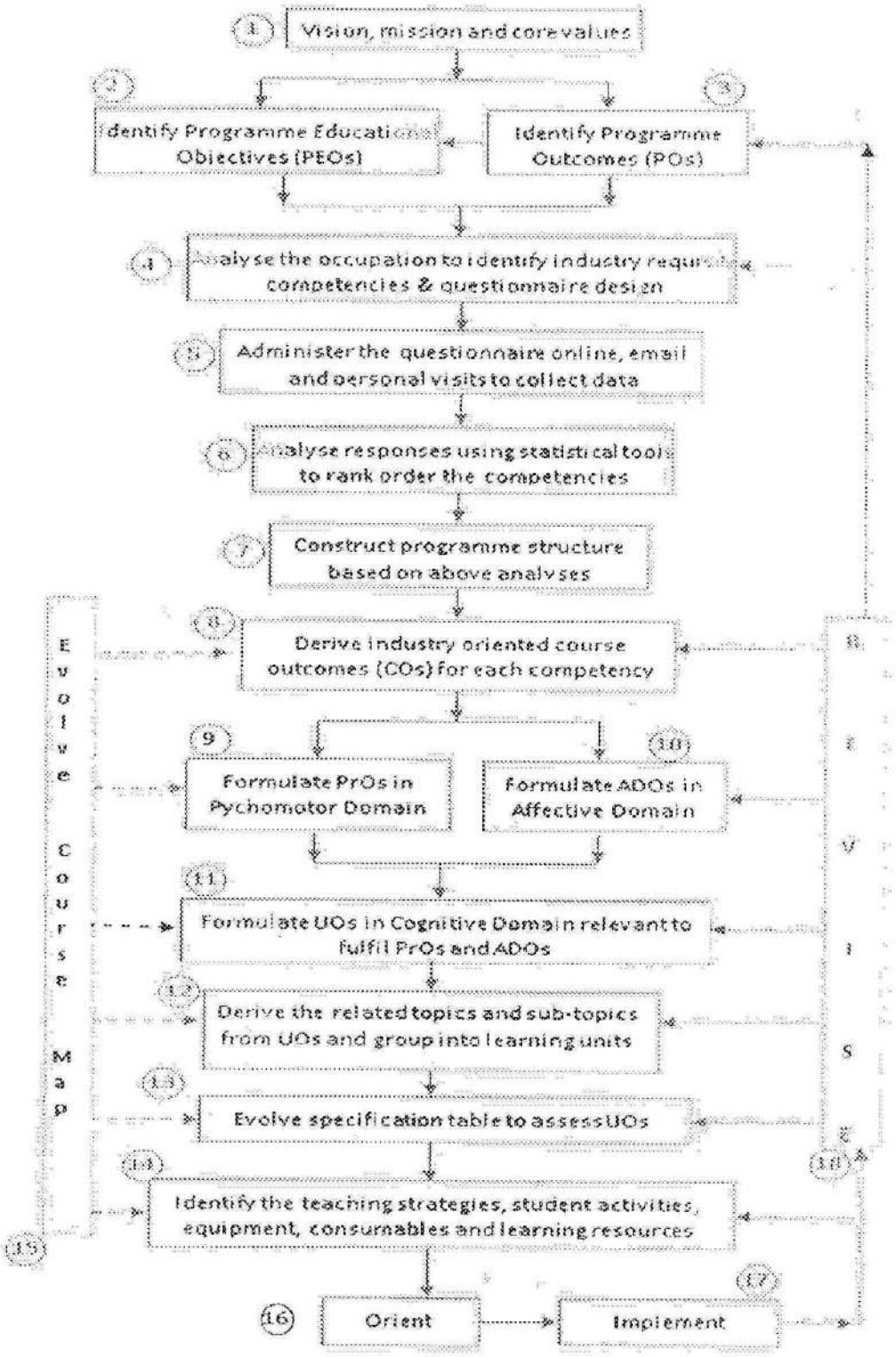


Figure 1 "Engineering Diploma Curriculum MITTTR-MSBTE Model 2016"

2.1 D) Occupational Analysis:

The 'I' scheme curriculum set in motion by MSBTE undertaking the 'occupational analysis' of each of the 18 programs with industry inputs at various levels. Beginning with the first Industrial meet in October 2015, where MSBTE invited the industries and NITTTR, Bhopal for their views on curriculum revision. The deliberation the MSBTE vies and expectations of the industry and the expertise of NITTTR in curriculum development. NITTR Bhopal was entrusted the responsibility of the consultant for the task of revising the curriculum on outcome based education philosophy through the team of MSBTE identified program coordinators and subject experts from polytechnics. The coordinators and the subject experts trained 'on-the-job' for the project of curriculum revision. The trained coordinators and subject experts can further train their colleagues from different parts of Maharashtra state. In this manner, the new curriculum is implemented in letter spirit.

2.1 E) Employer and Alumni Survey:

As the primary stake holders of the curriculum are the employers (Industries) and the pass outs of the professional engineering diploma programs (Alumni), the expectations of the industries about competencies needed in real life work situation and the views of Alumni who have gone through hardships are adapting to industrial scenario are a considered vital. Hence, the first exercise was to design relevant questionnaires for industries and alumni to find out the competencies expected from each of the diploma program.

For this purpose, a suggestive list of competencies was identified for each program and same was circulated among industries employing pass outs of that program. Industries and alumni were asked to rate each competency (On the scale of 1 to 4) according to their viewpoint. Based on this rating weighted mean for each competency was calculated and the competencies were ranked in the order of their weighted mean. In addition, the industries and alumni were asked to suggest any additional competency they feel necessary amongst the pass outs. They were also requested to inform any new technology, material, machine, equipment, instrument, procedures, software etc. which need to be included in the curriculum.

Based on analysis of data received from industries and alumni, the relevant courses matching the competencies were identified and the program structure for each program was evolved.

Competencies having low weighted mean were dropped or given less emphasis in the Program. The competencies having more weighted mean were given more emphasis in the teaching-learning process. However, competencies related to emerging areas which received less weighted mean since they were not extensively required in most of the industries, were earmarked for elective courses.

For each competency, the course outcomes (Cos) are defined and for each course outcomes, practical outcomes (PrOs) are evolved and from these practical outcomes, unit outcomes (UOs) are derived and from these UOs, the contents for topics and subtopics are compiled.

2.1 F) Industry-based competencies in addition to PEOs and POs:

NBA in its latest guidelines (October 2015) has suggested 10 general POs (applicable for all Programs of Diploma in Engineering) and 2 to 4 Program Specific Outcomes (PSOs). In this curriculum there are a maximum of 14 POs for each Program and around 3 to 6 COs in each course which sums up to about 150 COs in each Program (considering that there would be about 33 courses in each Program). Every industry or employer is more familiar with competency profiles of the Pass out students and heance the need for competency statements arose.

Competency is generally a course specific single macro-level statement which indicates what the student can do in tangible terms at the end of the semester of a particular course. It is defined as cluster of skills encompassing the three domains of learning – cognitive, psychomotor and affective. Competencies are normally developed by knowledge, skills and behavior acquired during may courses. Thus, competencies identified by industry research for the whole Program is mentioned in the beginning of each Program.

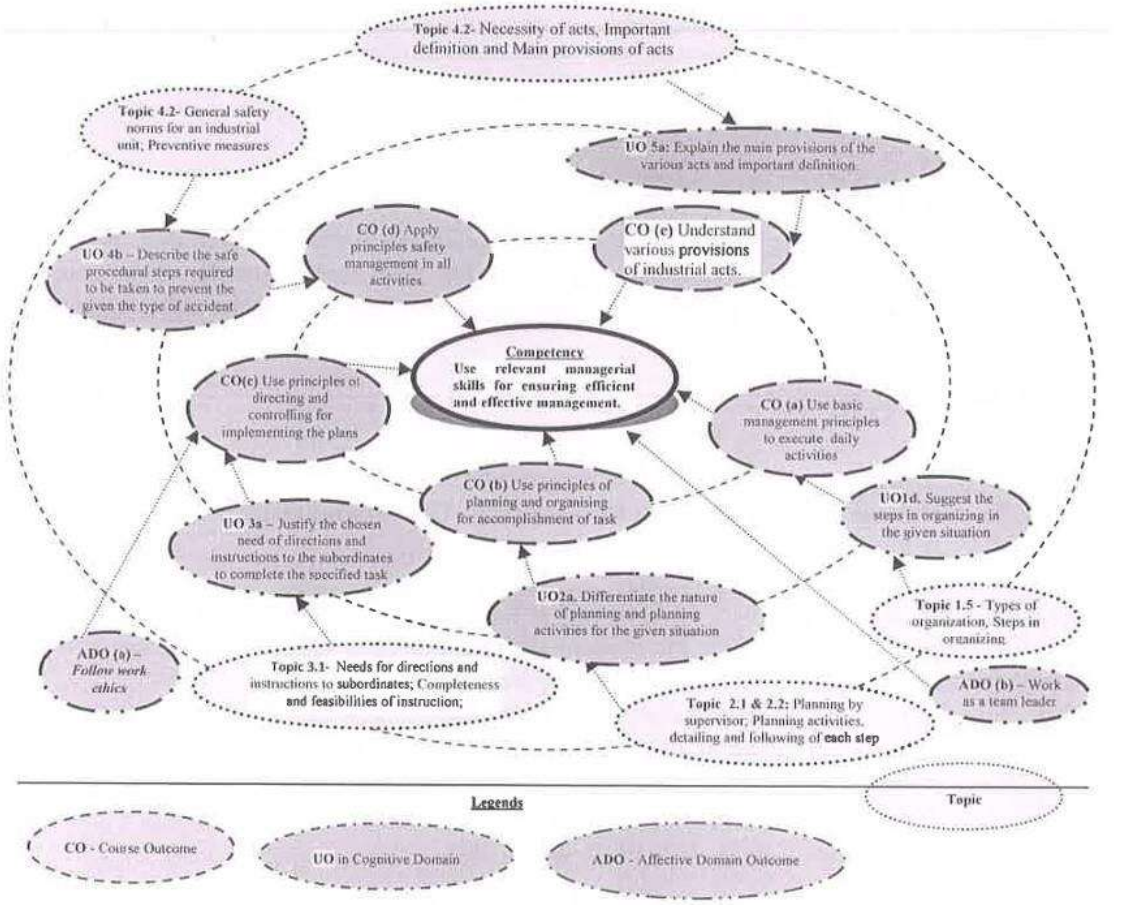


Figure 1 - Course Map

2.1 G) Practical Outcomes (PrOs), Affective domain outcomes (ADOs) and Unit Outcomes (UOs) as subset of COs :

The Washington and Sydney accords are based on Anglo-American model of education wherein each university has its own engineering college/polytechnic in its campus, which works as kind of an autonomous institute and the curriculum is developed and implemented by its own teachers for their own students. In such situation, Program Outcomes and Course Outcomes, are written in more general terms rather than specific to serve the purpose because the curriculum developer, teacher and assessor is same and he/she knows the spirit behind formulation of the POs and COS.

Wherein, in case of large state such as Maharashtra, numerous polytechnics follow the same curriculum. The curriculum developer, teacher and the assessor are different. In such a scenario, for better attainment of COs, outcomes for practical's (PrOs), outcomes in affective domain (ADOs) and outcomes for Units (UOs) are derived as subset of COs. These Pros, ADOs and UOs are utilized for compilation of content for the particular course. The course map in figure shows the details of correlation among Competencies, COS, Pros, ADOs, UOs and curriculum content.

2.1 H) Micro-Projects to Assess the Attainment of Competency and COs

The analysis of COs indicates that, they are performance and Industry oriented and also an integration of theory and practical inputs of a course. These COs are broken down into 'Practical Outcomes (PrOs) and the underpinning theory required to achieve those PrOs have been specified as 'Unit Outcomes' (UOs). This makes Teaching Learning (T-L) process more effective and it enables to assess PrOs and UOs in a course wise manner.

It may be assumed that if a student has attained PrOs and UOs, then it means that s/he has also acquired COs. The concept of micro-projects is introduced to reinforce the attainment of Cos. Completion of these micro-projects would ensure integration of PrOs and UOs and thus attainment of COs. Moreover, many abilities required by industry such as ability to plan, take decisions, work persistently, work in teams as leader and as a member, arrange resources, communicate effectively, find alternative solutions, identify, access and use required knowledge and solve problems etc. can be achieved by engaging students in micro-projects.

Thus, in this curriculum model, it is mandatory for every student to complete one micro project in each course. Students may take micro-project in groups of 10 to 12 students during first semester and progressively the group size becomes 4 to 5 students in the fourth semester. From fifth semester onwards, it is envisaged for individual micro-projects. A list of suggestive micro projects is provided in each course and students may choose micro-projects from that list or come up with relevant titles in consultation with course teachers.

Sample rubrics are provided for assessment of micro-projects. Assessment based on these rubrics would help in qualitative evaluation of the student's abilities required by industries and this will also help students to improve upon areas of concern.

The detailed process for assessment of micro project with sample rubrics is provided in lab manuals of respective courses. On completion of the diploma Program, each student would have a set of around 30 micro projects compiled in the form of a Portfolio, which he/she present to the employers at the time of interview.

2.1 I) Assessment of Minor and Major Projects

Minor and Major projects are introduced at the fifth and sixth semester of the diploma Program. For Minor and Major Projects, in addition to project report, student needs to prepare a portfolio for his/her attainment of expected graduate attributes. A sample portfolio format with suggestive questionnaire shall be provided by respective department. The above mentioned portfolio would help student in self-assessment which ultimately lead to acquaintance of skill sets for holistic development.

The progressive assessment of project works will be carried out at three stags namely;

- Planning (during 4^{th} to 5^{th} week)
- Partial/mid execution (during 10^{th} to 12^{th} week)
- At completion stage (during 14^{th} to 16^{th} week) Assessment guidelines and feedback for each stage are incorporated in the course curriculum.

The philosophy of development of curriculum and its implementation is depicted in the figure 3 below -

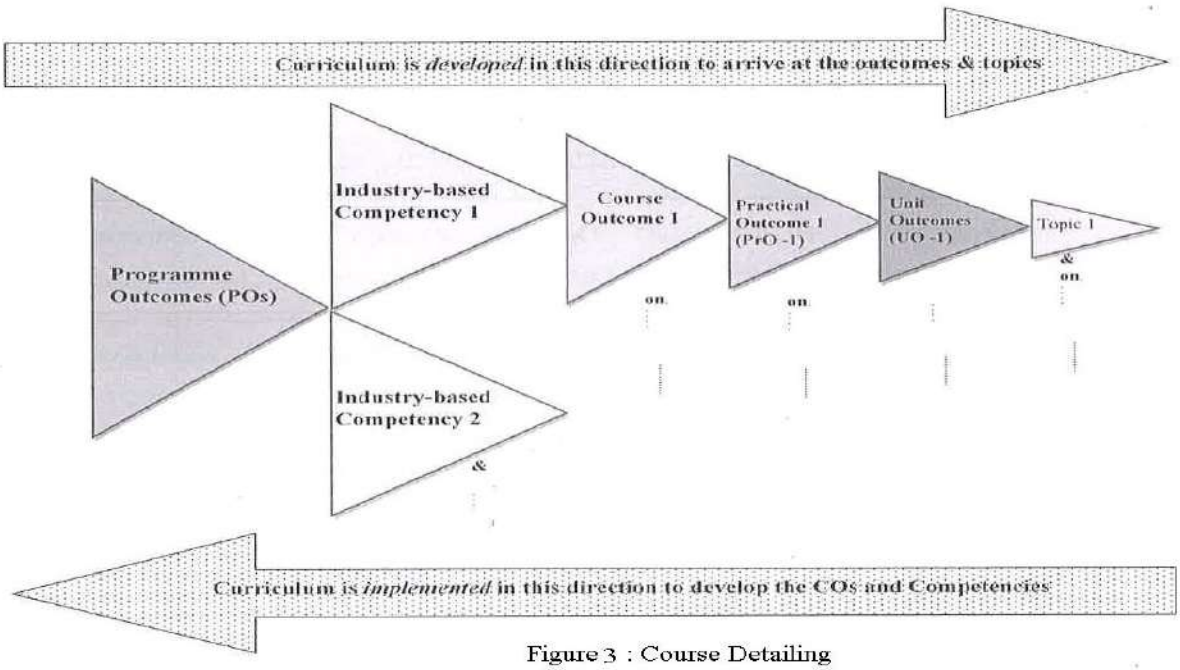


Figure 3 : Course Detailing

2.1 J) Course Outcomes

Course Outcomes are the statements which describe the expected learning outcome. Such statements enable teachers to plan instructional process with appropriate resources. These objectives also provide a direction to frame proper questions to assess the learning outcome. During last decade there has been research on cognitive approach in psychology. This approach is based on biological structure of brain and meta-cognitive knowledge dimension. Important elements of this approach which form basics of learning are explained below.

- **Basic Model Of Learning:**
  Basic model of learning is as shown below in figure below:

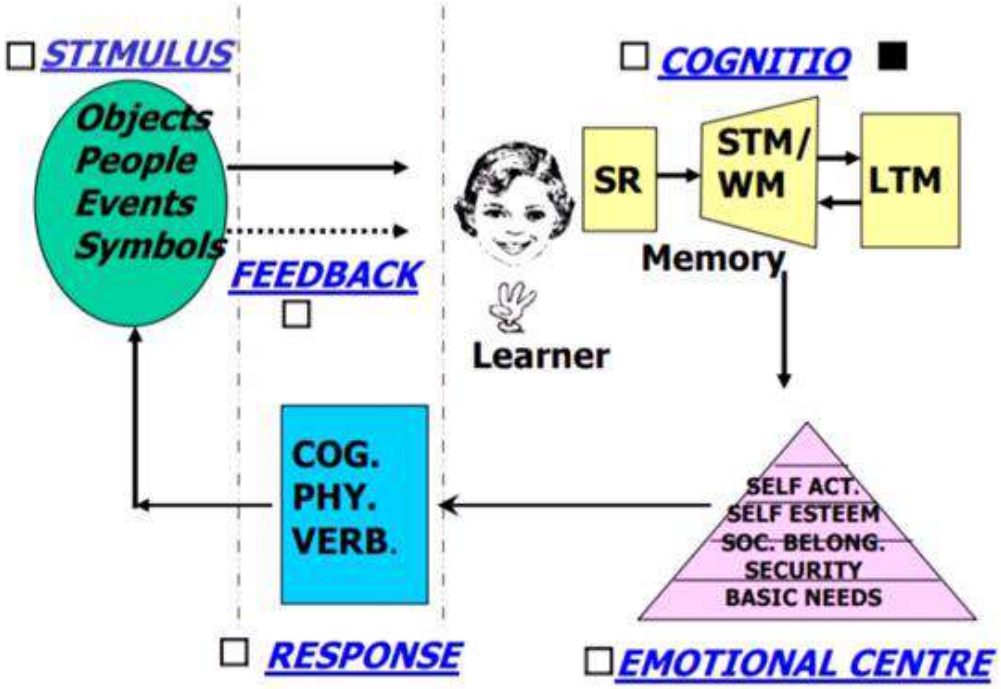


Figure 4 - GENERIC DIAG.- STIMULUS & RESPONSE

STIMULUS: The information is received by senses from many things in surroundings. It activates senses for experience. It is called as stimulus. It. includes people, objects, events, symbols etc. For example: teachers, friends, instruments, drawings, text etc. are stimulus for students.

COGNITIO: Cognition is the act of knowing. It deals with mental activities of the learner. It is triggered due to stimulus. It involves memory, its components structure of knowledge in memory and various processes in memory. The study of the same is done to know how learning takes place.

EMOTIONAL CENTRE: Stimulus may be pleasant or unpleasant feelings. It decides whether learner will approach to stimulus situation or avoid it. This is the effect of emotions of learners in emotion centre.

RESPONSE: When stimulus stimulate the learner reacts. This response may be mental response like reflection of face (cognition), physical movement (motor skills) or verbal response like communication. The response always aims at changing the stimulus situation.

FEEDBACK: When teacher asks the question, you answer it. Then based on the content of the answer, teacher says whether it is ‘correct’ or ‘wrong’. This is feedback. Thus it may be the information about the changed stimulus situation provided after response by the learner. Feedback helps learner to compare changed stimulus to expected change in stimulus.

Basic Concepts: Different forms used in the study of memory and its working are as below:

- **Memory:** It is the ability to recall the information, which has been previously learnt through experience. In context of memory structure, it is the location learned information is stored.
- **Storage:** It is process of putting information in the memory.
- **Encoding:** In memory, the information is not stored in original form but in numerical form, verbal form, visual images etc. Encoding is the process of modifying information from one form to another form. It helps to store information easily. It also stores new information to existing knowledge.
- **Retrieval:** It is the process to find the information that is previously stored in the memory so that it can be put to use.
- **Components of Memory:** The most prevalent view of human memory states that memory has three distinct components viz.
  - Sensory Register (SR)
  - Working Memory (WM) or Short Term Memory (STM)
  - Long Term Memory (LTM)
- **Control Process:** This is the process of movement of information from one memory component to another memory component.

  SR ⟶ WM ⟶ LTM
- **Perception:** It is the final image formed in WM after processing the information from SR and LTM. The final image consists of visual image supported by elaboration and emotional content.

- **Domains of Learning:**

  Learning is a process by which students develop relatively permanent change in mental associations through experience. This is how learning is defined by cognitive psychologists. Behavioural psychologists define learning as a relatively permanent change in behaviour. There are following domains of learning:

  A: Cognitive Domain relates to intellectual skills or abilities.

  B: Affective Domain relates to emotions, feelings, likes, dislikes etc.

  C: Psychomotor Domain relates to manipulative skills of hands, legs. Eye-hand coordination in the Engineering & Technology courses, endeavour is made to design curriculum with a focus on development of cognitive skills through classroom teaching. Whereas manipulative (psychomotor) skills are developed in workshops, laboratories & seminars where students work individually or in groups.

  Development of affective skills attitudes and value is supposed to be acquired through projects and co-curricular activities. These are also developed from the work culture or institutions. How far a student has developed these abilities/skills especially from cognitive and psychomotor domains is assessed on the basis of suitable examinations. When classroom and laboratory teaching is viewed in this light, evaluation becomes an integral part of Teaching - Learning process.

- **Levels of Learning:**

  Question paper is a tool/ instrument designed to test the extent of learning of the student. Various questions set in a question paper should assess the abilities of students to respond to level of learning. Dr.Bloom a German educationist classified levels of learning. A **Revision of Bloom's Taxonomy** is published in 2001 with a title "*A Taxonomy of Teaching Learning and Assessment"*. There are six levels of cognitive learning according to the revised version of Bloom's Taxonomy. Each level is conceptually different.

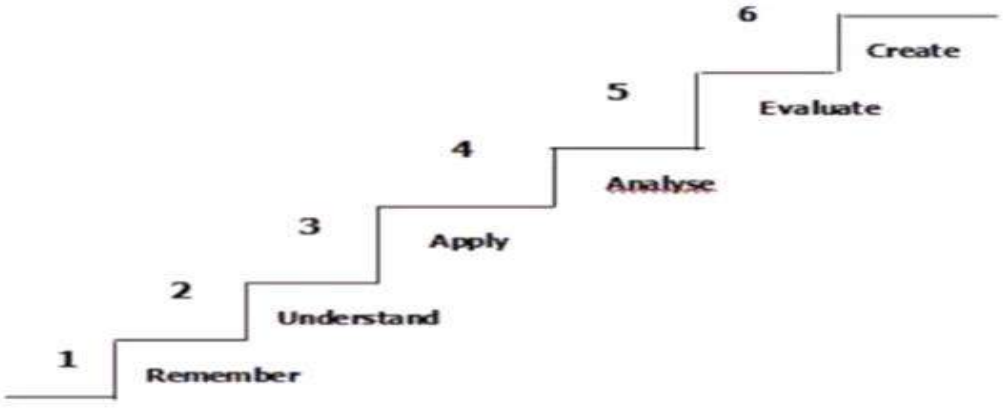


Figure 5 - Levels of Learning

A statement of a learning objective contains a verb (an action) and an object (usually a noun).

- The **verb** generally refers to [actions associated with] the intended **cognitive process**.
- The **object** generally describes the **knowledge** students are expected to acquire or construct.

Dr.Bloom's revised taxonomy is based on Cognitive Psychology and is two dimensional. First dimension is **Cognitive** process and second is **Knowledge**. Details of these two dimensions are given below.

The **cognitive process dimension** represents a continuum of increasing cognitive complexity—from remember to create. Cognitive processes dimension - categories, cognitive processes (and alternative names) that further clarify the bounds of the six categories is shown in Table 1 below –

Table 1 - The Cognitive Process Dimension – categories, cognitive processes (and alternative names)

Remember	Understand	Apply	Analyze	Evaluate	Create
recognizing (identifying)	interpreting (clarifying, paraphrasing, representing, translating)	executing (carrying out)	differentiating (discriminating, distinguishing, focusing, selecting)	checking (coordinating, detecting, monitoring, testing)	generating (hypothesizing)
recalling (retrieving)	exemplifying (illustrating, instantiating)	implementing (using)	organizing (finding, coherence, integrating, outlining, parsing, structuring)	critiquing (judging)	planning (designing)
	classifying (categorizing, subsuming)		attributing (deconstructing)		producing (construct)
	summarizing (abstracting, generalizing)				
	inferring (concluding, extrapolating, interpolating, predicting)				
	comparing (contrasting, mapping, matching)				
	explaining (constructing models)				

The **knowledge dimension** represents a range from concrete (factual) to abstract (metacognitive) (Table 2). Representation of the knowledge dimension as a number of discrete steps can be a bit misleading. For example, all procedural knowledge may not be more abstract than all conceptual knowledge. And metacognitive knowledge is a special case. In this model, "*metacognitive knowledge* is knowledge of [one's own] cognition and about oneself in relation to various subject matters . . . "

Table 2. The Knowledge Dimension

Factual	Conceptual	Procedural	Metacognitive
• knowledge of terminology • knowledge of specific details and elements	• knowledge of classifications and categories • knowledge of principles and generalizations • knowledge of theories, models, and structures	• knowledge of subject-specific skills and algorithms • knowledge of subject-specific techniques and methods • knowledge of criteria for determining when to use appropriate procedures	• strategic knowledge • knowledge about cognitive tasks, including appropriate contextual and conditional knowledge • self-knowledge

- **Components of Curriculum:**

"I-Scheme" curriculum components:

Maharashtra State Board of technical Education (MSBTE) has provided and implemented the I-Scheme curriculum effective from Academic Year 2017-18 reflects the replacement of redundant and obsolete topics of previous (G-scheme) by the advance technology topics and making the curriculum outcome oriented.

A. RATIONALE:

Evidence-based research on learning indicates that when students are actively involved in their education they are more successful and less likely to fail. In which outcome based curriculum plays a major role. OBE curriculum indicates the outcome and competency oriented inclusion of course in curriculum. It also indicates the importance of the course related to entire curriculum. Rationale tells the students about the connection of courses related to study of higher level courses and also their use in their job/profession/field etc.

B. COMPETENCY:

A general statement that describes the desired outcomes in terms of knowledge, skills, and behaviours of a student graduating from a program (or completing a course). Competencies commonly define the applied skills and knowledge that enable people to successfully perform in professional, educational, and other life contexts.

C. COURSE OUTCOME:

It is a very specific statement that describes exactly what a student will be able to do in some measurable way. There may be more than one measurable outcome defined for a given competency.

D. COURSE MAP:

A course map is a visual representation of your course. It can also be known as curriculum alignment or an assessment audit. It allows evaluating the meaningful components of curriculum/course and aligning learning outcomes with curriculum/course activities. After completing a course map, one can target meaningful changes and set the direction for curriculum/course in an effort to increase student learning.

The course map illustrates an overview of the flow and linkage of topics and levels of outcomes to be attained by students by the end of curriculum/course, in all domains of learning in terms of industry/employer identified competency depicted at the centre of course map.

E. SUGGESTED PRACTICALS AND EXCERSIES WITH MAJOR EQUIOMENTS REQUIRED:

It indicates the practical hands-on activities to be carried out throughout the course curriculum implementation and with which specific and suggested and required equipment's.

F. UNDER PINNING THEORY COMPONENTS:

It indicates the topics to be taught and assessed in order to develop and achieve UOs for achieving the COs and for attaining the competencies.

Sample Program Structure and Course Curriculum of I-Scheme course incorporating above points is given below –

Maharashtra State Board of Technical Education, Mumbai
Teaching and Examination Scheme for Post S.S.C. Diploma Courses

Program Name : Computer Engineering Groups
Program Code : CO/CM/CW
Duration of Program : 6 Semesters — **With Effect From Academic Year: 2017 - 18**
Semester : Third — **Duration : 16 Weeks**

S. N.	Course Title	Course Abbreviation	Course Code	Teaching Scheme L	T	P	Credit (L+T+P)	Examination Scheme: Exam Duration in Hrs.	Theory ESE Max Marks	Theory ESE Min Marks	Theory PA Max Marks	Theory PA Min Marks	Theory Total Max Marks	Theory Total Min Marks	Practical ESE Max Marks	Practical ESE Min Marks	Practical PA Max Marks	Practical PA Min Marks	Practical Total Max Marks	Practical Total Min Marks	Grand Total
1	Object Oriented Programming Using C++	OOP	22316	3	2	2	7	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
2	Data Structure Using 'C'	DSU	22317	3	-	2	5	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
3	Computer Graphics	CGR	22318	3	-	2	5	3	70	28	30*	00	100	40	25@	10	25	10	50	20	150
4	Database Management System	DMS	22319	4	2	2	8	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
5	Digital Techniques	DTE	22320	4	-	2	6	3	70	28	30*	00	100	40	25#	10	25	10	50	20	150
			Total	17	4	10	31	--	350	--	150	--	500	--	125	--	125	--	250	--	750

Student Contact Hours Per Week: **31 Hrs.** Medium of Instruction: **English**
Theory and practical periods of 60 minutes each. Total Marks : **750**
Abbreviations: ESE- End Semester Exam, PA- Progressive Assessment, L - Lectures, T - Tutorial, P - Practical
@ Internal Assessment, # External Assessment, *# On Line Examination, ^ Computer Based Assessment
* Under the theory PA, Out of 30 marks, 10 marks are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the cognitive domain LOs required for the attainment of the COs.
~ For the courses having ONLY Practical Examination, the PA marks Practical Part - with 60% weightage and Micro-Project Part with 40% weightage
- **If Candidate not securing minimum marks for passing in the "PA" part of practical of any course of any semester then the candidate shall be declared as "Detained" for that semester.**

MSBTE – Final Copy Dt. 20.04.2018

Program Name : **Computer Engineering Program Group**

Program Code : **CO/CM/IF/CW**

Semester : **Third**

Course Title : **Object Oriented Programming using C++**

Course Code : **22316**

1. RATIONALE

In the modern world of Information technology, the Object Oriented Programming has become the most preferred approach for software development. It offers a powerful way to cope up with complexity of real world problems. Among the OOP languages available, C++ is the primitive language which develops fundamental understanding of Object Oriented Concepts. This course enables students to develop programs in 'C++' using Object Oriented Programming approach.

2. COMPETENCY

The aim of this course is to help the student to attain the following industry identified competency through various teaching learning experiences:

- **Develop applications Using OOPs concepts in C++.**

3. COURSE OUTCOMES (COs)

The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following ***industry oriented*** COs associated with the above mentioned competency:

a. Develop C++ programs to solve problems using Procedure Oriented Approach.
b. Develop C++ programs using classes and objects.
c. Implement Inheritance in C++ program.
d. Use Polymorphism in C++ program.
e. Develop C++ programs to perform file operations.

4. TEACHING AND EXAMINATION SCHEME

Teaching Scheme			Credit (L+T+P)	Examination Scheme											
				Theory						Practical					
L	T	P		Paper Hrs.	ESE		PA		Total		ESE		PA		Total	
					Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
3	2	2	7	3	70	28	30*	00	100	40	25@	10	25	10	50	20

(*): Under the theory PA; Out of 30 marks, 10 marks of theory PA are for micro-project assessment to facilitate integration of COs and the remaining 20 marks is the average of 2 tests to be taken during the semester for the assessment of the UOs required for the attainment of the COs.

***Legends:** L-Lecture; T – Tutorial/Teacher Guided Theory Practice; P - Practical; C – Credit, ESE - End Semester Examination; PA - Progressive Assessment*

5. COURSE MAP (with sample COs, PrOs, UOs, ADOs and topics)

This course map illustrates an overview of the flow and linkages of the topics at various levels of outcomes (details in subsequent sections) to be attained by the student by the end of the

course, in all domains of learning in terms of the industry/employer identified competency depicted at the centre of this map.

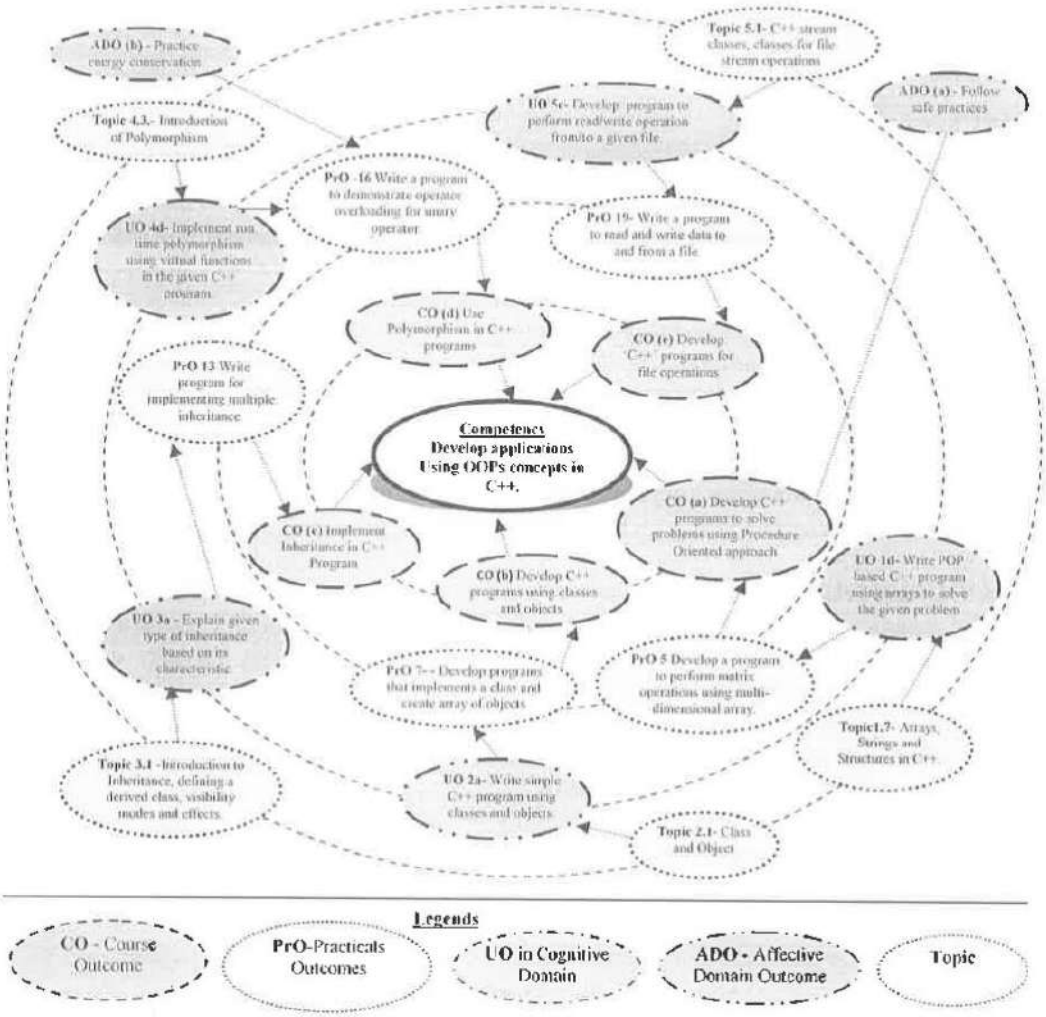


Figure 1 - Course Map

6. SUGGESTED PRACTICALS/ EXERCISES

The practicals in this section are PrOs (i.e. sub-components of the COs) to be developed and assessed in the student for the attainment of the competency:

Sr. No.	Practical Outcomes (PrOs)	Unit No.	Approx. Hrs. Required
1	Develop minimum 2 programs using constants, variables, arithmetic expression, operators, exhibiting data type conversion.	1	02*
2	Develop a program to implement decision making statements (If-else, switch).	1	02
3	Develop a program to demonstrate control structures (for, while, do-while).	1	02

Sr. No.	Practical Outcomes (PrOs)	Unit No.	Approx. Hrs. Required
4	Develop a program to implement 1-dimension array.	I	02 *
5	Develop a program to perform matrix operations using multi-dimensional array.	I	02
6	Develop programs that implements a class and use it with objects.	II	02*
7	Develop programs that implements a class and create array of objects.	II	02*
8	Write a program to implement friend function.	II	02*
9	Write a program to implement inline function.	II	02
10	Write a program to implement all types of constructors (constructor overloading) with destructor.	II	02*
11	Write a program for implementing single inheritance	III	02*
12	Write a program for implementing multi level inheritance.	III	02
13	Write a program for implementing multiple inheritance.	III	02*
14	Develop minimum 1 program to demonstrate Pointer to object.	IV	01 *
15	Develop minimum 1 program to demonstrate Pointer to derived class	IV	01 *
16	Write a program to demonstrate operator overloading for Unary operator.	IV	02
17	Write a program to demonstrate operator overloading for Binary operator	IV	02
18	Write a program to demonstrate function overloading	IV	02*
19	Write a program to read and write data to and from a file.	V	02
	Total		**38**

Note

*i. A suggestive list of **PrOs** is given in the above table. More such PrOs can be added to attain the COs and competency. A judicial mix of minimum 12 or more practical need to be performed, out of which, the practicals marked as '*' are compulsory, so that the student reaches the 'Precision Level' of Dave's 'Psychomotor Domain Taxonomy' as generally required by the industry.*

ii. The 'Process' and 'Product' related skills associated with each PrO is to be assessed according to a suggested sample given below:

S. No.	Performance Indicators	Weightage in %
a.	Correctness of algorithm	40
b.	Debugging ability	20
c.	Quality of input and output displayed (messaging and formatting)	10
d.	Answer to sample questions	20
e.	Submit report in time	10
	Total	**100**

The above PrOs also comprise of the following social skills/attitudes which are Affective Domain Outcomes (ADOs) that are best developed through the laboratory/field based experiences:

a. Follow safety practices.
b. Practice good housekeeping.
c. Demonstrate working as a leader/a team member.
d. Follow ethical practices.

The ADOs are not specific to any one PrO, but are embedded in many PrOs. Hence, the acquisition of the ADOs takes place gradually in the student when s/he undertakes a series of practical experiences over a period of time. Moreover, the level of achievement of the ADOs according to Krathwohl's 'Affective Domain Taxonomy' should gradually increase as planned below:

- 'Valuing Level' in 1st year
- 'Organising Level' in 2nd year and
- 'Characterising Level' in 3rd year.

7. MAJOR EQUIPMENT/ INSTRUMENTS REQUIRED

The major equipment with broad specification mentioned here will usher in uniformity in conduct of experiments, as well as aid to procure equipment by authorities concerned.

S. No.	Equipment Name with Broad Specifications	PrO S. No.
1	Computer system (Any computer system with basic configuration)	All
2	'C++' Compiler (Turbo C++ compiler/GCC compiler or any other C++ compiler)	

8. UNDERPINNING THEORY COMPONENTS

The following topics are to be taught and assessed in order to develop the sample UOs given below for achieving the COs to attain the identified competency. More UOs could be added:

Unit	Unit Outcomes (UOs) (in cognitive domain)	Topics and Sub-topics
Unit – I Principles of Object Oriented Programming	1a. Write simple C++ program for solving the given expression using POP approach. 1b. Write POP based C++ program using decision making and loop structure for the given situation. 1c. Write POP based C++ program using arrays to solve the given problem. 1d. Use the structure in C++ program for solving the given problem.	1.1 Procedure Oriented Programming (POP) verses Object Oriented Programming (OOP), 1.2 Basic concepts of Object Oriented Programming, Object Oriented Languages, Applications of OOP. 1.3 C verses C++, Structure of C++ program, Simple C++ Program. 1.4 Tokens, keywords, variables, constants ,basic data types, User defined data types, type casting, operators, expressions. 1.5 Control structures: Decision making statements and Loops 1.6 Scope resolution operator, memory management operators. 1.7 Arrays, Strings and Structures in C++.

Unit	Unit Outcomes (UOs) (in cognitive domain)	Topics and Sub-topics
Unit– II Classes and Objects	2a. Develop relevant friend functions to solve the given problem. 2b. Write C++ program to use array of given objects. 2c. Write C++ program to create the given object using constructor. 2d. Write program to delete the given object using destructor in C++ program.	2.1 Class & Object: Introduction, specifying a class, access specifies, defining member functions, creating Objects, memory allocations for objects. 2.2 Static data members, static member function, friend Function 2.3 Array of Objects, Object as function arguments. 2.4 Concepts of Constructors, Types of constructors. 2.5 Multiple Constructors in a Class, Constructors with default arguments. 2.6 Destructors.
Unit-III Extending classes using Inheritance	3a. Explain given type of inheritance based on its characteristic. 3b. Implement given type of inheritance in C++ program. 3c. Write C++ program using virtual base class. 3d. Use constructor in the given derived class.	3.1 Introduction to Inheritance, defining a derived class, visibility modes and effects. 3.2 Types of Inheritance : Single, multilevel, multiple, hierarchical, hybrid 3.3 Virtual base class, abstract class, constructors in derived class.
Unit –IV Pointers and Polymorphism in C++	4a. Create C++ programs to perform the given arithmetic operations using pointers. 4b. Use function overloading to solve the given problem 4c. Use operator overloading to solve the given problem 4d. Implement run time polymorphism using virtual functions in the given C++ program.	4.1 Concepts of Pointer: Pointer declaration, Pointer operator, address operator, Pointer arithmetic. 4.2 Pointer to Object: Pointer to Object, this pointer, Pointer to derived class. 4.3 Introduction of Polymorphism, Types of Polymorphism. 4.4 Compile time Polymorphism: Function overloading, operator overloading, overloading of unary and binary operators, Rules for operator overloading. 4.5 Run time polymorphism: Virtual functions, rules for virtual functions, pure virtual function
Unit-V File operations	5a. Identify relevant class for performing the given file operation. 5b. Write statement to open and close the given file in C++. 5c. Develop C++ program to perform read/write operation from/to the given file.	5.1 C++ stream classes, Classes for file stream operations. 5.2 Opening files, closing files, reading from and writing to files. 5.3 Detection of end of file, file modes.

Note: To attain the COs and competency, above listed UOs need to be undertaken to achieve the 'Application Level' of Bloom's 'Cognitive Domain Taxonomy'.

9. SUGGESTED SPECIFICATION TABLE FOR QUESTION PAPER DESIGN

Unit No.	Unit Title	Teaching Hours	Distribution of Theory Marks			
			R Level	U Level	A Level	Total Marks
I	Principles of Object Oriented Programming	08	2	4	8	14
II	Classes and Objects	14	2	4	12	18
IV	Inheritance: Extending classes	10	2	4	10	16
V	Pointers and Polymorphism in C++	10	-	4	10	14
VI	Working with files	06	-	2	6	08
Total		**48**	**6**	**18**	**46**	**70**

Legends: *R=Remember, U=Understand, A=Apply and above (Bloom's Revised taxonomy)*
Note: This specification table provides general guidelines to assist student for their learning and to teachers to teach and assess students with respect to attainment of UOs. The actual distribution of marks at different taxonomy levels (of R, U and A) in the question paper may vary from above table.

10. SUGGESTED STUDENT ACTIVITIES

Other than the classroom and laboratory learning, following are the suggested student-related ***co-curricular*** activities which can be undertaken to accelerate the attainment of the various outcomes in this course: Students should conduct following activities in group and prepare reports of about 5 pages for each activity, also collect/record physical evidences for their (student's) portfolio which will be useful for their placement interviews:

a. Prepare journal of practicals.
b. Undertake micro-projects using Object Oriented Concepts.

11. SUGGESTED SPECIAL INSTRUCTIONAL STRATEGIES (if any)

These are sample strategies, which the teacher can use to accelerate the attainment of the various learning outcomes in this course:

a. Massive open online courses (***MOOCs***) may be used to teach various topics/sub topics.
b. ***'L' in item No. 4*** does not mean only the traditional lecture method, but different types of teaching methods and media that are to be employed to develop the outcomes.
c. About ***15-20% of the topics/sub-topics*** which is relatively simpler or descriptive in nature is to be given to the students for ***self-directed learning*** and assess the development of the COs through classroom presentations (see implementation guideline for details).
d. With respect to item No.10, teachers need to ensure to create opportunities and provisions for ***co-curricular activities***.
e. Guide student(s) in undertaking micro-projects.
f. Demonstrate students thoroughly before they start doing the practice.
g. Encourage students to refer different websites to have deeper understanding of the subject.
h. Observe continuously and monitor the performance of students in Lab.

12. SUGGESTED MICRO-PROJECTS

Only one micro-project is planned to be undertaken by a student that needs to be assigned to him/her in the beginning of the semester. In the first four semesters, the micro-project are group-based. However, in the fifth and sixth semesters, it should be preferably be ***individually*** undertaken to build up the skill and confidence in every student to become problem solver so that s/he contributes to the projects of the industry. In special situations where groups have to be formed for micro-projects, the number of students in the group should ***not exceed three.***

The micro-project could be industry application based, internet-based, workshop-based, laboratory-based or field-based. Each micro-project should encompass two or more COs which are in fact, an integration of PrOs, UOs and ADOs. Each student will have to maintain dated work diary consisting of individual contribution in the project work and give a seminar presentation of it before submission. The total duration of the micro-project should not be less than ***16 (sixteen) student engagement hours*** during the course. The student ought to submit micro-project by the end of the semester to develop the industry oriented COs.

A suggestive list of micro-projects are given here. Similar micro-projects could be added by the concerned faculty:

a. Develop library management application.
b. Develop hotel management application.
c. Develop bank management application.
d. Develop store management application.
e. Develop hospital management application.
f. Any other micro-projects suggested by subject faculty on similar line.
(Use Object Oriented concepts and may also use file handling features of 'C++' to develop above listed applications)

13. SUGGESTED LEARNING RESOURCES

S. No.	Title of Book	Author	Publication
1	Object Oriented Programming with C++	Balgurusamy, E.	McGraw Hill Education, New Delhi 2015, ISBN: 9781259029936
2	The C++ Programming Language	Stroustrup,B.	Pearson Education, New Delhi 2015, ISBN:9780201889543
3	Object Oriented Programming in C++	Lafore,R.	Sams Publication, New Delhi 2015, ISBN:9780672323089
4	C++ The Complete Reference	Schildt, H.	McGraw Hill Professional, New Delhi 2015, ISBN:9780072226805
5	Object Oriented Programming in C++	Subburaj ,R.	Vikas Publication, New Delhi 2015, ISBN:9789325969964
6	C++ Programming	Dr. Rajendra Kawale	Devraj Publications

14. SUGGESTED SOFTWARE/LEARNING WEBSITES

a. https://www.tutorialspoint.com/cplusplus/cpp_object_oriented.htm
b. http://www.studytonight.com/cpp/cpp-and-oops-concepts.php
c. https://www3.ntu.edu.sg/home/ehchua/programming/cpp/cp3_OOP.html
d. https://www.hscripts.com/tutorials/cpp/cpp-oops-concepts.php
e. https://www.khanacademy.org/
f. http://www.nptel.ac.in

2.1.1. State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) as mentioned in Annexure I. Also mention the identified *PROGRAM OUTCOMES (PO) (25)*

2.1.1.A. Process used to identify extent of compliance of curriculum for attaining POs & PSOs (15)

Government Polytechnic Hingoli is an owned institute of Government Of Maharashtra and responsible for evaluation, assessment and the implementation of the curricula obtained from MSBTE (Maharashtra State Board of Technical Education).

The curriculum provided by MSBTE is strictly followed and the same is monitored through Internal academic monitoring committee and external academic monitoring committee whose duties and responsibilities are clearly defined by the MSBTE through the Curriculum Implementation and assessment norms (CIANN). Ensuring effectiveness of curriculum implementation is the purpose of IAMC and EAMC.

Program Outcomes (POs):

Program Outcomes (PO) given by NBA. (What s/he will be able to do at the entry point of industry soon after diploma programme)

PO 1. Basic knowledge: Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Computer engineering problem.

PO 2. Discipline knowledge: Apply Computer engineering discipline - specific knowledge to solve core computer engineering related problems.

PO 3. Experiments and practice: Plan to perform experiments and practices to use the results to solve broad-based Computer engineering problems.

PO 4. Engineering tools: Apply relevant Computer technologies and tools with an understanding of the limitations.

PO 5. The engineer and society: Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in field of Computer engineering.

PO 6. Environment and sustainability: Apply Computer engineering solutions also for sustainable development practices in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.

PO 7. Ethics: Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Computer engineering.

PO 8. Individual and team work: Function effectively as a leader and team member in diverse/ multidisciplinary teams.

PO 9. Communication: Communicate effectively in oral and written form.

PO 10. Life-long learning: Engage in independent and life-long learning activities in the context of technological changes in the Computer engineering field and allied industry.

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1. Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO 2. Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

The MSBTE 'I scheme' curriculum of Computer Engineering has total 36 courses/subjects. For each course –

- COs are mapped to POs and PSOs.
- All courses are mapped to POs and PSOs.

These courses are divided into four categories viz. **Fundamental Courses, Basic Technology Course, Applied Technology Courses and Allied Courses**. Mapping of these I-Scheme courses provided in following Table 4 with POs and PSOs demonstrates the compliance of MSBTE curriculum. Mapping of all courses with POs and PSOs is provided in Criterion 3.

Table 4 - Mapping of I-Scheme courses with POs and PSOs

Category of Courses	Name of Courses	No. of Courses	Mapping with PO's / PSO's	Percentage of Curriculum Content
Fundamental Courses	ENG, BSC (BPH, BCH), BMS, ICT, AMI, BEC	6	PO1 to PO10 & PSO1 to PSO3	16.21%
Basic Technology Courses	WPC,EDR,PCI,CPH,WPD,OOP,DSU, CGR,DMS,DCC,MIC,OSY, EEC,BCC,DTE,	15	PO1 to PO10 & PSO1 to PSO3	40.54%
Applied Technology Courses	JPR,SEN,GAD,AJP,STE,CSS/ACN/ADM,ITR,CPP,PWP, MAD,WBP/NIS/DWM,CPE	12	PO1 to PO10 & PSO1 to PSO3	32.43%
Allied Courses	EST,ETI, MGT, EDE	4	PO1 to PO10 & PSO1 to PSO3	10.37%
TOTAL		**37**	PO1 to PO10 & PSO1 to PSO3	**100 %**

Analysis of mapping of POs and PSOs of various courses demonstrates that the curriculum provided by MSBTE comply attainment of all the PO's and PSO's for I scheme.

The following process was used in identifying the compliance of existing curriculum with PO's and PSO's –

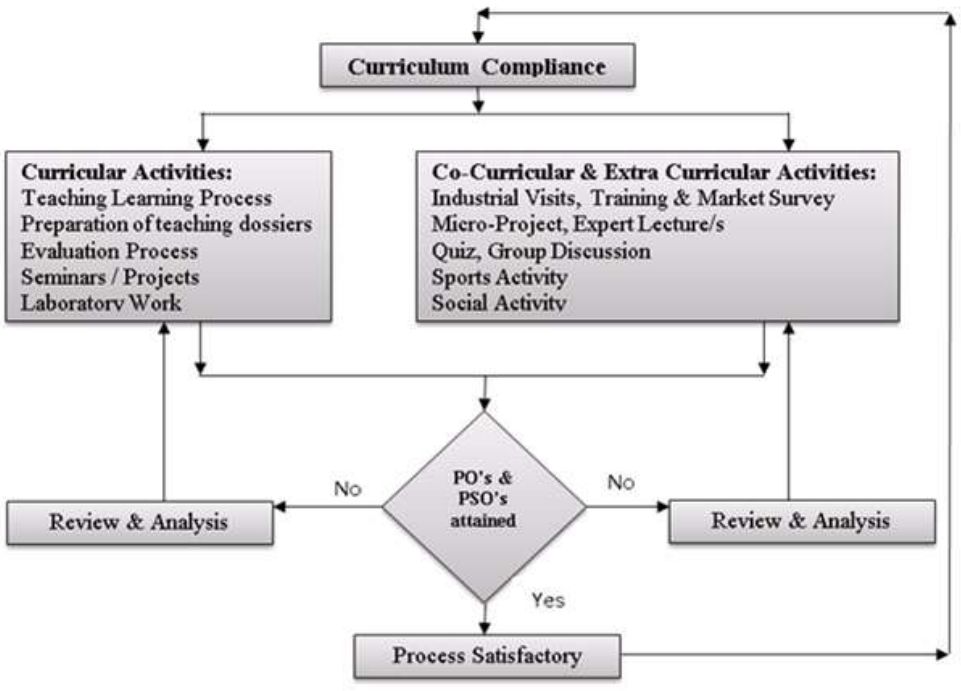
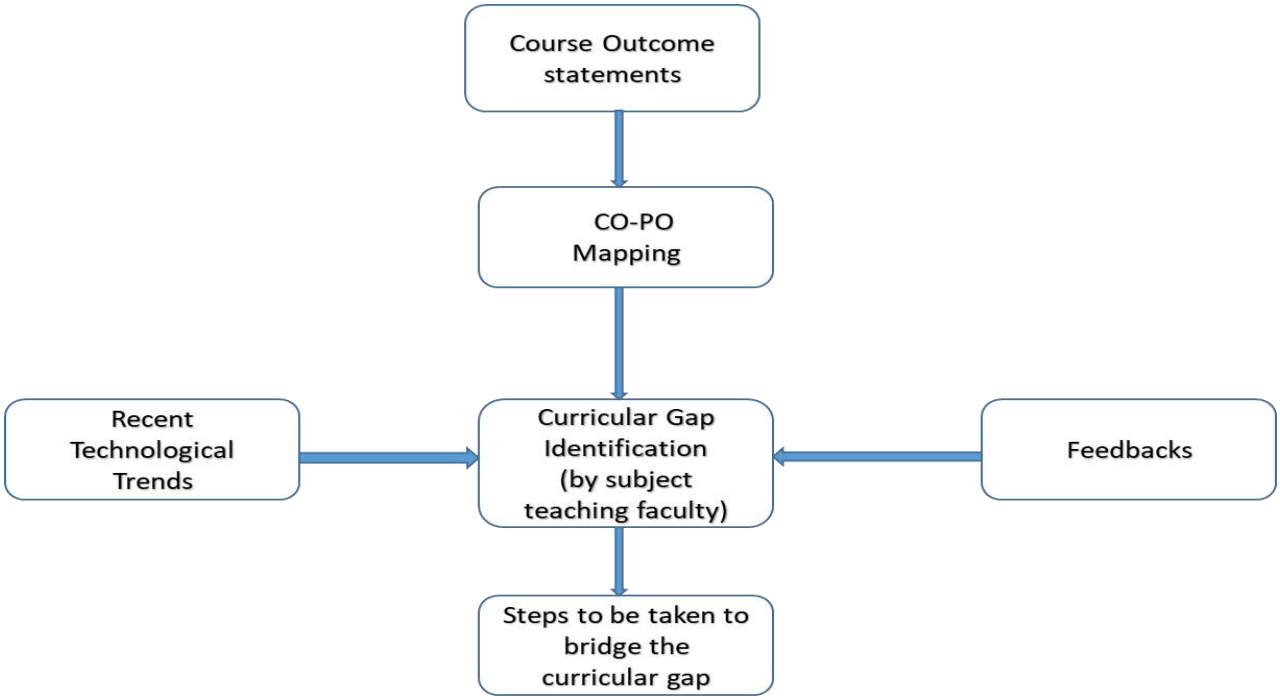


Figure 6 - Curriculum Compliance

2.1.1.B. List the curricular gaps for the attainment of POs & PSOs (10)

The curriculum given by Maharashtra State Board of Technical Education is revised every 5 years taking feedback from all the stakeholders like industry, alumni, institutes, course experts etc. The curricular gaps present in the previous curriculum & thus minimize the gaps. However, with ever changing technology, it is very difficult to satisfy all the needs of the industry through curriculum gaps following approach is used.

- Feedback from student, alumni, faculty is taken for gaps analysis
- Faculty maps each course outcome with POs and PSOs.
- Mapping helps to decide course contents which are overlooked in curriculum, i.e. gap identification
- The gaps are discussed in the Departmental meeting and the content beyond the syllabus is prepared accordingly to bridge the gap.
- These contents are delivered to the students through tutorials, extra lectures, expert lectures, Workshops, seminars and industrial visits etc.



Identified curriculum Gaps

- *Teach students with latest developments in Information Technology fields such as Artificial Intelligence, IoT, ethical hacking, programing languages Python, Joomla*
- *Discrete Structure course is missing in curriculum which is the base for other courses such as Data Structure, Operating Systems*
- *Introduction to Integrated Development Environment (IDE) tools such as Eclipse, NetBeans is to be done*
- *As majority of students are from rural backgrounds, student lacks communication, attitude and leadership quality*
- *Introduction to new emerging trends in IT*

2.1.2 CONTENTS BEYOND THE SYLLABUS (15)

(Provide details of the additional course/learning material/content/laboratory experiments/projects etc., arising from the gaps identified in 2.1.1. the delivery details and relevance to POs and PSOs for each of the assessment year in the format given below)

A. Steps taken to get identified gaps included in the curriculum (e.g. letters to Board) (2)

Following faculty members of this institute have worked for curriculum revision process at various stages for MSBTE curriculum revision and they have conveyed the identified curricular gaps. D curriculum, editing and validating lab manuals, creating draft copy of curriculum are the task undertaken.

Content beyond the syllabus is recognized according to gaps identified and delivered to the students through Tutorials, Extra Lectures, Guest Lectures, workshops and Industrial Visits etc.

Sr. No	Name of faculty	Program	Name of organization	Nature of work
1	Mr. Nilesh S. Jadhao	Content detailing of various courses	MSBTE	I-Scheme Curriculum revision and lab manual Development
2	Mr. A.T.Adhave	Editing and Validation of lab manuals and sample question papers	MSBTE	I-Scheme Curriculum revision and lab manual Development
3	Mr. P..L.Satore	Draft content detailing of various courses	MSBTE	I-Scheme Curriculum revision and lab manual Development

(2018-19)

Sr. No.	Course Name	Gap Identified
1	Emerging trends in IT	Artificial Intelligence,IOT,Ethical Hacking, Programming languages Python,Joomla
2	Data Structure and Operating System	Discrete Structure
3	Java Programming	Introduction to IDE Eclipse,Netbeans
4	Database Management	Introduction to Graph QL

(2019-20)

Sr. No.	Course Name	Gap Identified
1	Emerging trends in IT	Artificial Intelligence,IOT,Ethical Hacking, Programming languages Python,Joomla
2	Data Structure and Operating System	Discrete Structure
3	Database Management	Introduction to Graph QL

(2020-21)

Sr. No.	Course Name	Gap Identified
1	Emerging trends in IT	Artificial Intelligence,IOT,Ethical Hacking, Programming languages Python,Joomla,
2	Data Structure and Operating System	Discrete Structure
3	Java Programming	Introduction to IDE Eclipse, Netbeans
4	Database Management	Introduction to Graph QL, Ksql

B. Delivery details of content beyond syllabus (10)

With ever changing technology, it is very difficult to satisfy all needs of industry through curriculum. To keep the student updated with latest advancements and contemporary need in the field, the conducted various activities like expert lectures, industrial visits, skill development workshops, personality development programs. Delivery details of content beyond syllabus are as per section

C. Mapping of content beyond syllabus with the POs & PSOs (3)

TABLE EXPERT LECTURE

2024-25																
Sr. No.	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs								
							PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO1	PSO2
1	Recent Technological trends	A workshop on Handson Arduino	18/02/2025	Mr. Sagar Bhagat, Karya Automations Akola	Offline	50	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Career Opportunities	Expert Lecture on Entrepreneurship Development	01/02/2025	IGTR	Offline	40					✓	✓	✓		
3	Industry specific practices	Workshop on Safer Internet Day	11/02/2025	Mr. Bari, NIC Hingoli	Offline	30					✓	✓	✓		

2023-24																
Sr. No.	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs								
							PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO1	PSO2
1	Career Opportunities	Expert Lecture on Basic Learning of Programming Language and Career guidance	07/02/2024	Mr. Azhar Sayyad, Software Developer, Redlyte Software Pvt. Ltd	Offline	16					✓	✓	✓		

2023-24																
Sr. No.	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs								
							PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO1	PSO2
1	Career Opportunities	A Lecture on Chief Minister Employment Generation Program	24/08/2023	Ms. Sudeshna Savrate and Mr. Mahesh Kayande, District Industries Center	Offline	43					✓	✓	✓		

2022-23															
Sr. No.	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	Mode	No. of students present	Relevance to POs, PSOs								
							PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO1	PSO2
1	Soft skills	Scope in career	01/11/2022	Rameshwar karhale	Offline	24						✓	✓		
2	Soft skills	An expert lecture on Leadership and Excellence	05/03/2023	Sushil Jamkar	Offline	24					✓	✓	✓		
3	Soft skills	An expert lecture on Selection Process and interview Skills	25/03/2023	Ms. Samruddhi Shahane	Offline	24					✓	✓	✓		
4	Recent Technological trends	An expert lecture on Role of Electronics and telecommunication Engineering in Core Engineering	03/04/2023	Mr. Salman Shaikh	Offline	24	✓			✓	✓	✓	✓	✓	✓

For AICTE Diploma Courses

D-8

wef-2017-2018

Maharashtra State Board of Technical Education

DETAILS OF EXPERT LECTURE

Academic Year: 2022-23

Program: Computer Engineering

Sr. No.	Name of Expert & Contact Details	Topic	*Course Code & CO's No's.	Semester	Name of Coordinator	Date of Conduction of Activity	No. of Beneficiaries	Relevance to PO's and PEO's
1	Samruddi Shahane, Software Developer, Congnizent Technology Pune	Selection Process and Interview Skills	CO6I,CO4I,CO2I	CO6I	N S Jadhav	25/03/2023	60	PO7, PS03
2	Prof Sushil Jamkar Prayas Learning Institute	Hygiene & Grooming And Job Interview Techniques	CO6I	CO6I	N S Jadhav	03-04-2023	45	PO7, PS03
3	Prof Sushil Jamkar Prayas Learning Institute	Leadership and Excellence	CO2I	CO2I	N S Jadhav	03-04-2023	40	PO7, PS03
4								
5								

Name & Signature of Academic Coordinator

Name & Signature of HOD

HOD
Computer Engg. Dept.
Govt.Polytechnic, Hingoli

2.2 TEACHING LEARNING PROCESS (150 MARKS):

2.2.1 Describe processes followed to ensure/improve quality of Teaching & learning: (25 Marks)

2.2.1.A. Adherence to Academic Calendar (3)

The process followed to ensure and improve the quality of teaching and learning is indicated by the following flow diagram.

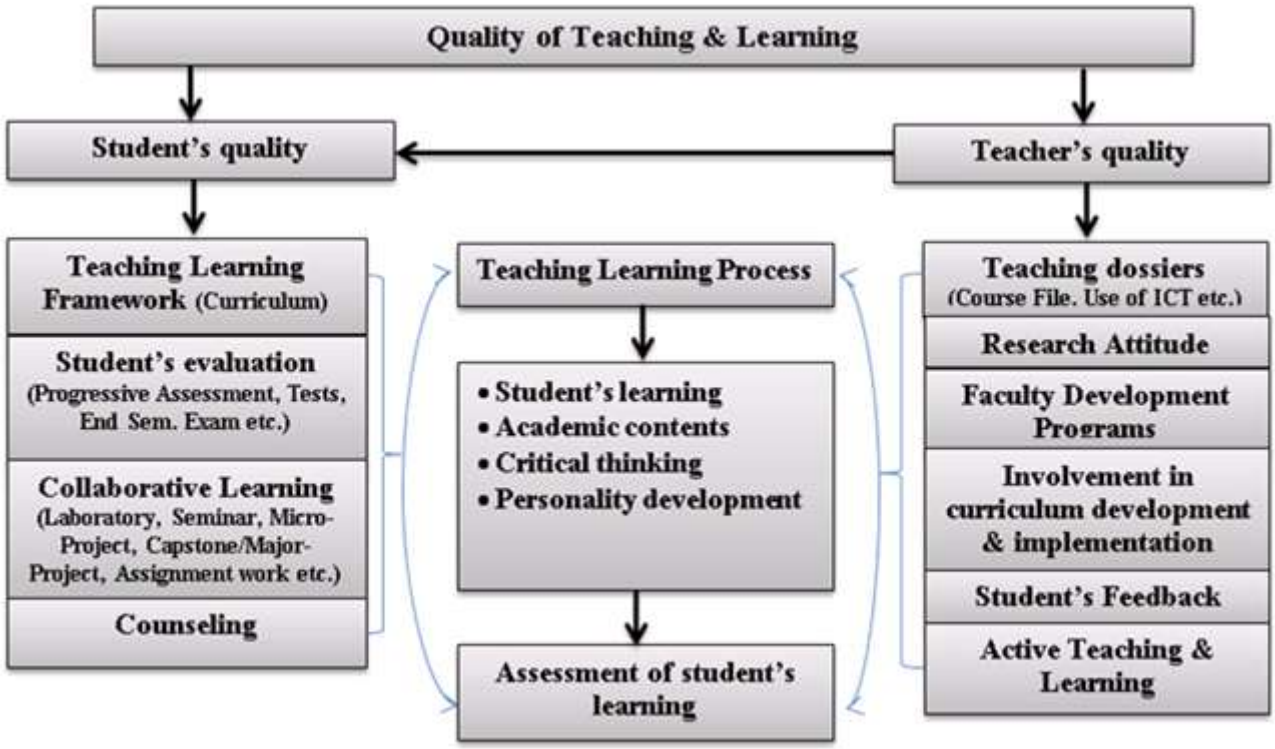


Figure 7 - Teaching Learning Process

- Academic calendar of MSBTE is implemented in letter and in spirit Institute and departmental calendar incorporating the schedule of various curricular, co-curricular activities is prepared and notified to students in the beginning of the academic year to effectively impart all the program outcomes and program specific outcomes.
- All activities are conducted as per the academic calendar of the department as far as possible.
- Internal academic monitoring committee (IAMC) and External academic/institute monitoring committee (EIMC/EAMC) monitor the academic activities which are carried out in the institute and department throughout the year. Recently PAQIC is formed at department level to have academic audit of the program and to suggest actions for improvement.

Sample academic calendars of the MSBTE, Institute and department are presented below-

Academic Calender 2020-21

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2015) (ISO/IEC 27001:2013)
4th Floor, Govt. Polytechnic, Bldg, 49, Kherwadi,Bandra(E), Mumbai-400 051
Tel.No. : 022-62542100/110/180/190 Email: secretary@msbte.com web: www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/B2/2020/ (5) to 7 Date 08 DEC 2020

Academic Calendar 2020-21

Odd Semester Academic Schedule

S.N.	Activities	Odd semester (1, 5, 7)	1st semester, 1st Year and Direct 2nd year newly admitted students	Yearly Pattern except 1st year
1	First Term	17 August 2020 – 30 January 2021	*21 December 2020 – 06 March 2021	17 August 2020 – 10 June 2021
2	# I - Class Test	16 - 18 December, 2020	28 – 30 January, 2021	16 - 18 December, 2020
4	# II - Class Test	18 - 20 January 2021	25 – 27 February, 2021	–

MCQ based on-line examination mode.
*Commencement of term as per date specified by Admission authority

Winter 2020 Exam form filling Schedule

Odd semester Regular & backlog students, Even Semester backlog students and Yearly pattern backlog students only *(Except 1st Semester and Direct 2nd year newly admitted students)*

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Regular fees + Late fees of Rs. 200/-)
1	Candidate fill	05 – 10 January, 2021	12 – 13 January, 2021
2	Institute fill & Confirmation	05 – 11 January, 2021	12 – 14 January, 2021
3	RBTE confirmation	13 – 16 January, 2021	

Last date of exam form confirmation by RBTE is 16th January 2021 upto 4:00 PM

Winter 2020 Examination Schedule

S.N.	Activities	Odd semester Regular & backlog students, Even Semester backlog students and Yearly pattern backlog students *(Except 1st Semester and Direct 2nd year newly admitted students)*	1st Semester and Direct 2nd year newly admitted students
1	Practical Exam HOD confirmation of Mark sheets	08 – 17 February, 2021 On or Before 17 February, 2021	08 – 12 March, 2021 On or Before 12 March, 2021
2	Theory Exam	24 February – 17 March, 2021	15 – 20 March, 2021
3	Declaration of Result	1st week of April, 2021	

Note for Odd semester Practical conduction and submission of term work:
All affiliated institutes shall conduct the practicals as per the curriculum through on-line demonstration / Videos / Virtual lab. Student shall note down the reading in the observation table, do the required calculations if any, write the result / conclusion and submit the same as term work. Teacher shall evaluate the submitted term work as per MSBTE norms.

Even Semester Academic Schedule

S.N.	Activities	Even semester (2, 4, 6, 8)	Yearly Pattern
1	Second Term	22 March – 10 June, 2021	17 August 2020 – 10 June, 2021
2	First Class Test	28 – 30 April, 2021	II Class Test : 28 – 30 April, 2021
3	Second Class Test	02 – 04 June, 2021	III Class Test : 02 – 04 June, 2021

Summer 2021 Exam form filling Schedule

Even semester Regular & backlog students, Odd Semester backlog students and Yearly pattern Regular & backlog students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Regular fees + Late fees of Rs. 200/-)
1	Candidate fill	17 – 23 April, 2021	25 – 26 April, 2021
2	Institute fill & Confirmation	17 – 24 April, 2021	25 – 27 April, 2021
3	RBTE Confirmation	27 – 30 April, 2021	

Last date of exam form confirmation by RBTE is 30 April, 2021 upto 4:00 PM

Summer 2021 Examination Schedule

S.N.	Activities	Even semester Regular & backlog students, Odd Semester backlog students & Yearly pattern Regular and backlog students
1	Practical Exam HOD confirmation of Mark sheets	12 – 21 June, 2021 On or Before 21 June, 2021
2	Theory Exam	24 June – 14 July, 2021
3	Industrial training for I-scheme students after completion of 4th semester theory exam.	The schedule of industrial training will be communicated by separate circular.
4	Declaration of Result	1st week of August, 2021

Start of Academic Session 2021-22 : 09 August, 2021 (Monday)

Academic Calender 2021-22

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4th Floor, Govt. Polytechnic, Bldg, 49, Kherwadi,Bandra(E), Mumbai-400 051
Tel.No. : 022-62542110/188
Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/2021/ 135 Date 1- 1 SEP 2021

Odd semester Academic schedule for academic year 2021-22 (Except Newly admitted 1st semester / year and Direct 2nd year students)

Odd Semester Academic Schedule 2021-22

S. N.	Activities	Odd semester (3,5,7 semester)	Yearly Pattern (2, 3 year)
1	First Term	September 15 – December 31, 2021	September 15 – December 31, 2021
2	First Class Test	October 27-29, 2021	October 27-29, 2021
3	Second Class Test	December 22-24, 2021	–

WINTER 2021 Exam form filling Schedule (Except Newly admitted 1st and 2nd semester students)

Regular Exam form will be made available only for 3,5,7 semester students and Backlog exam forms will be made available for 1,2,3,4,5,6,7,8 Semester & 1,2,3 Year students

S. N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	October 04 -17, 2021	October 19 - 21, 2021	October 23 - 25, 2021
2	Institute fill & Confirmation	October 04 -18, 2021	October 19 - 22, 2021	October 23 - 26, 2021
3	RBTE confirmation	October 27- 29, 2021		

Last date for RBTE confirmation of filled exam form is 29th October 2021 upto 5:00 PM

Note:
1. The Classes may be started in Online/Offline (Class Room) or Blended mode (Online as well as Offline) following the prescribed protocols / guidelines / directives from Government or local authorities if any.
2. The academic schedule displayed is tentative it may change by considering prevailing COVID – 19 situation and guidelines / directives from Government if any.
3. Institutes have to take measures to conduct additional instructional days for academic activities if needed.
4. All type of fees & penalties shall be necessarily deposited to regional office of the Board as per the schedule declared by respective RBTE or MSBTE.
5. All Practical & term work shall be completed with continuous assessment as per curriculum till the end of term.
6. In unavoidable circumstances, the necessary amendment in the schedule of any activity will be notified through separate circular on MSBTE web portal.

(Dr. Mahendra R. Chitlange)
Secretary,
M. S. Board of Technical Education, Mumbai

Copy to:
1. Hon. Director, MSBTE, Mumbai – for information.
2. Dy. Secretary, CDC, MSBTE, Mumbai – for information.
3. Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Nagpur, Aurangabad for necessary action.

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Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Even sem /Academic Calendar/2021/ 807 Date 21 JAN 2022

Academic Year 2021-22 Even Term Academic Schedule

A.Y. 2021-22 Even Term academic Schedule for AICTE approved Diploma Engineering and Pharmacy courses

S.N.	Course Pattern	Even Term academic schedule	First Class Test	Second Class Test	Third Class Test
1	Semester pattern AICTE approved Diploma Engineering courses (2,4,6,8)	February 10 - June 03, 2022	April 04 - 06, 2022	May 25 - 27, 2022	Not Applicable
2	Yearly pattern Mining courses (1,2,3)	January 24, 2022 – June 03, 2022	1st class Test is already conducted in Odd Term of A.Y. 2021-22	May 25 - 27, 2022	Not Applicable
3	Pharmacy 1st and 2nd Year	January 24, 2022 – June 03, 2022	1st class Test is already conducted in Odd Term of A.Y. 2021-22	March 07 - 12, 2022	May 25 - 28, 2022

Important Note: For State Government approved short term (Non-AICTE) courses the Even term Academic schedule will be published through separate circular.

Summer 2022 Exam form filling Schedule for AICTE approved Diploma Engineering and Pharmacy courses

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination form (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	March 29 – April 15, 2022	April 17 - 20, 2022	April 22 - 24, 2022
2	Institute fill & Confirmation	March 29 – April 16, 2022	April 17 - 21, 2022	April 22 - 25, 2022
3	RBTE Confirmation	April 26 - 28, 2022		

Last date for RBTE confirmation of filled exam form is 28th April, 2022 upto 5:00 PM

Note:
1) For State Government approved short term (Non-AICTE) Yearly and Semester pattern courses the Summer 2022 Exam form schedule will be published through separate circular.
2) For Summer 2022 exam Regular Exam form will be made available only for Even semester & Yearly pattern students and Backlog exam forms will be made available for Odd, Even Semester & Yearly pattern students

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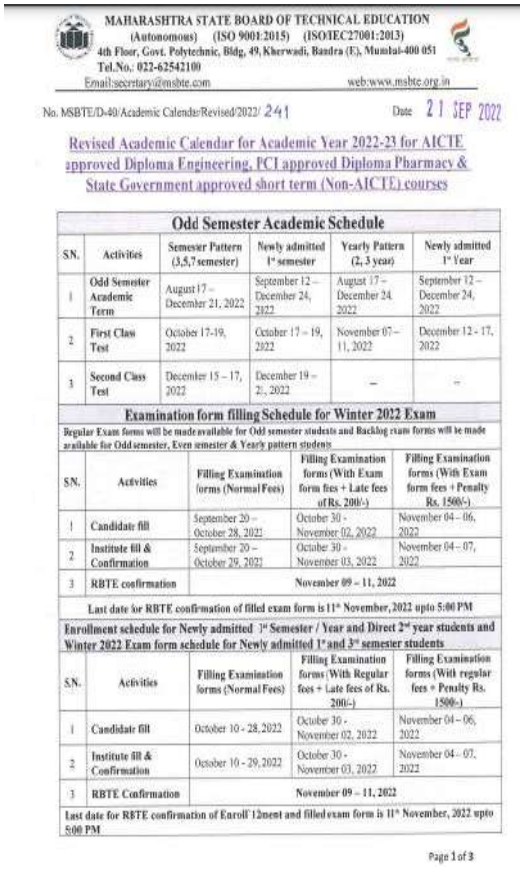
Academic Calender 2022-23



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Tel.No.: 022-62542100
Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calende/Revised/2022/ 241 Date 21 SEP 2022

Revised Academic Calendar for Academic Year 2022-23 for AICTE approved Diploma Engineering, PCI approved Diploma Pharmacy & State Government approved short term (Non-AICTE) courses

Odd Semester Academic Schedule

S.N.	Activities	Semester Pattern (3,5,7 semester)	Newly admitted 1st semester	Yearly Pattern (2, 3 year)	Newly admitted 1st Year
1	Odd Semester Academic Term	August 17 – December 21, 2022	September 12 – December 24, 2022	August 17 – December 24, 2022	September 12 – December 24, 2022
2	First Class Test	October 17-19, 2022	October 17 – 19, 2022	November 07 – 11, 2022	December 12 - 17, 2022
3	Second Class Test	December 15 – 17, 2022	December 19 – 21, 2022	–	–

Examination form filling Schedule for Winter 2022 Exam

Regular Exam forms will be made available for Odd semester students and Backlog exam forms will be made available for Odd semester, Even semester & Yearly pattern students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	September 20 – October 28, 2022	October 30 - November 02, 2022	November 04 – 06, 2022
2	Institute fill & Confirmation	September 20 – October 29, 2022	October 30 - November 03, 2022	November 04 – 07, 2022
3	RBTE confirmation	November 09 – 11, 2022		

Last date for RBTE confirmation of filled exam form is 11th November, 2022 upto 5:00 PM

Enrollment schedule for Newly admitted 1st Semester / Year and Direct 2nd year students and Winter 2022 Exam form schedule for Newly admitted 1st and 3rd semester students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Regular fees + Late fees of Rs. 200/-)	Filling Examination forms (With regular fees + Penalty Rs. 1500/-)
1	Candidate fill	October 10 - 28, 2022	October 30 - November 02, 2022	November 04 – 06, 2022
2	Institute fill & Confirmation	October 10 - 29, 2022	October 30 - November 03, 2022	November 04 – 07, 2022
3	RBTE Confirmation	November 09 – 11, 2022		

Last date for RBTE confirmation of Enroll 12ment and filled exam form is 11th November, 2022 upto 5:00 PM

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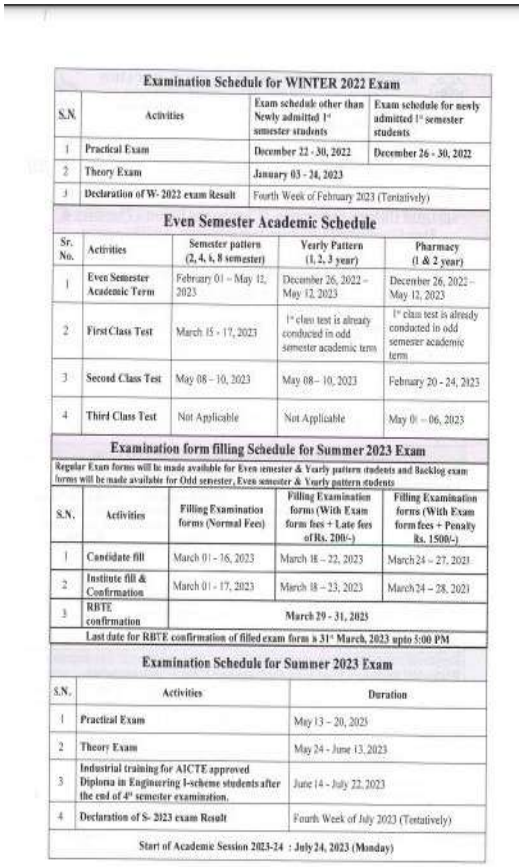


Examination Schedule for WINTER 2022 Exam

S.N.	Activities	Exam schedule other than Newly admitted 1st semester students	Exam schedule for newly admitted 1st semester students
1	Practical Exam	December 22 - 30, 2022	December 26 - 30, 2022
2	Theory Exam	January 03 - 24, 2023	
3	Declaration of W- 2022 exam Result	Fourth Week of February 2023 (Tentatively)	

Even Semester Academic Schedule

Sr. No.	Activities	Semester pattern (2, 4, 6, 8 semester)	Yearly Pattern (1, 2, 3 year)	Pharmacy (1 & 2 year)
1	Even Semester Academic Term	February 01 – May 12, 2023	December 26, 2022 – May 12, 2023	December 26, 2022 – May 12, 2023
2	First Class Test	March 15 - 17, 2023	1st class test is already conducted in odd semester academic term	1st class test is already conducted in odd semester academic term
3	Second Class Test	May 08 – 10, 2023	May 08 – 10, 2023	February 20 - 24, 2023
4	Third Class Test	Not Applicable	Not Applicable	May 01 – 06, 2023

Examination form filling Schedule for Summer 2023 Exam

Regular Exam forms will be made available for Even semester & Yearly pattern students and Backlog exam forms will be made available for Odd semester, Even semester & Yearly pattern students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	March 01 - 16, 2023	March 18 – 22, 2023	March 24 – 27, 2023
2	Institute fill & Confirmation	March 01 - 17, 2023	March 18 – 23, 2023	March 24 – 28, 2023
3	RBTE confirmation	March 29 - 31, 2023		

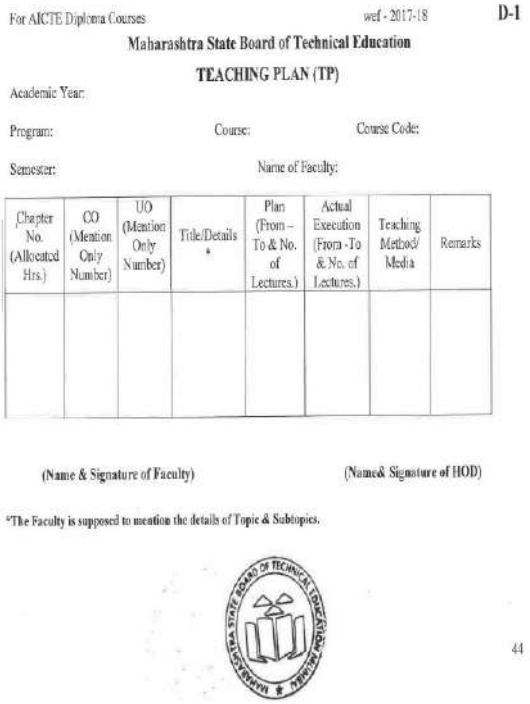
Last date for RBTE confirmation of filled exam form is 31st March, 2023 upto 5:00 PM

Examination Schedule for Summer 2023 Exam

S.N.	Activities	Duration
1	Practical Exam	May 13 – 20, 2023
2	Theory Exam	May 24 - June 13, 2023
3	Industrial training for AICTE approved Diploma in Engineering I-scheme students after the end of 4th semester examination.	June 14 - July 22, 2023
4	Declaration of S- 2023 exam Result	Fourth Week of July 2023 (Tentatively)

Start of Academic Session 2023-24 : July 24, 2023 (Monday)

Theory Plan



For AICTE Diploma Courses wef - 2017-18 D-1

Maharashtra State Board of Technical Education

TEACHING PLAN (TP)

Academic Year:

Program: Course: Course Code:

Semester: Name of Faculty:

Chapter No. (Allocated Hrs.)	CO (Mention Only Number)	UO (Mention Only Number)	Title/Details *	Plan (From – To & No. of Lectures.)	Actual Execution (From -To & No. of Lectures.)	Teaching Method/ Media	Remarks

(Name & Signature of Faculty) (Name& Signature of HOD)

*The Faculty is supposed to mention the details of Topic & Subtopics.

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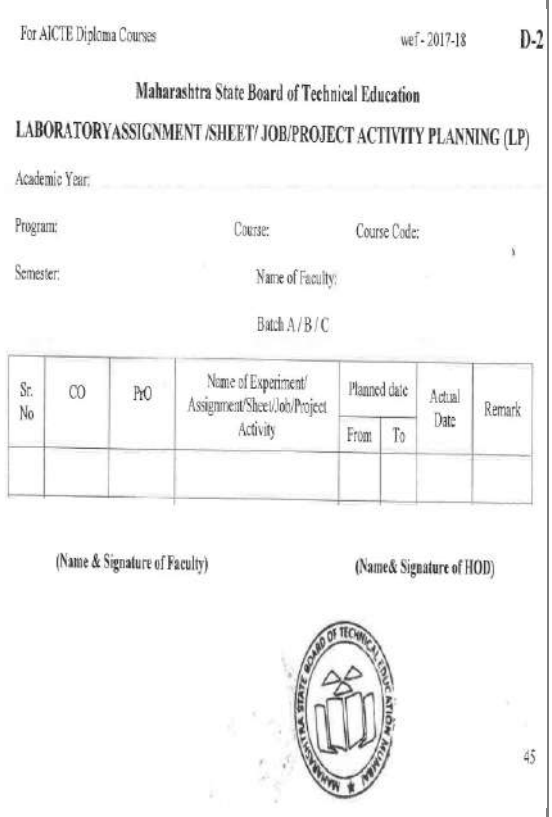
Laboratory Plan



For AICTE Diploma Courses wef - 2017-18 D-2

Maharashtra State Board of Technical Education

LABORATORYASSIGNMENT /SHEET/ JOB/PROJECT ACTIVITY PLANNING (LP)

Academic Year:

Program: Course: Course Code:

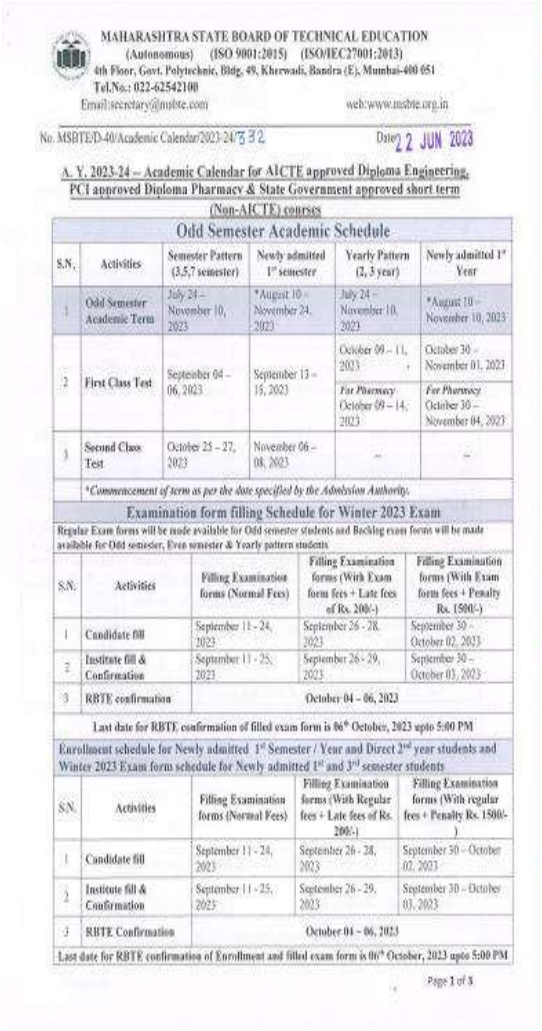
Semester: Name of Faculty:

Batch A / B / C

Sr. No	CO	PrO	Name of Experiment/ Assignment/Sheet/Job/Project Activity	Planned date		Actual Date	Remark
				From	To		

(Name & Signature of Faculty) (Name& Signature of HOD)

45



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2015) (ISO/IEC27001:2013)
4th Floor, Govt. Polytechnic, Bldg. 49, Kherwadi, Bandra (E), Mumbai-400 051
Tel.No.: 022-62542100
Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/2023-24/3332 Date: 22 JUN 2023

A. Y. 2023-24 – Academic Calendar for AICTE approved Diploma Engineering, PCI approved Diploma Pharmacy & State Government approved short term (Non-AICTE) courses

Odd Semester Academic Schedule

S.N.	Activities	Semester Pattern (3,5,7 semester)	Newly admitted 1st semester	Yearly Pattern (2, 3 year)	Newly admitted 1st Year
1	Odd Semester Academic Term	July 24 – November 10, 2023	*August 10 – November 24, 2023	July 24 – November 10, 2023	*August 10 – November 10, 2023
2	First Class Test	September 04 – 06, 2023	September 13 – 15, 2023	October 09 – 11, 2023 *For Pharmacy* October 09 – 14, 2023	October 30 – November 01, 2023 *For Pharmacy* October 30 – November 04, 2023
3	Second Class Test	October 25 – 27, 2023	November 06 – 08, 2023	--	--

**Commencement of term as per the date specified by the Admission Authority.*

Examination form filling Schedule for Winter 2023 Exam

Regular Exam forms will be made available for Odd semester students and Backlog exam forms will be made available for Odd semester, Even semester & Yearly pattern students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam fees + Penalty Rs. 1500/-)
1	Candidate fill	September 11 - 24, 2023	September 26 - 28, 2023	September 30 - October 02, 2023
2	Institute fill & Confirmation	September 11 - 25, 2023	September 26 - 29, 2023	September 30 – October 03, 2023
3	RBTE confirmation	October 04 – 06, 2023		

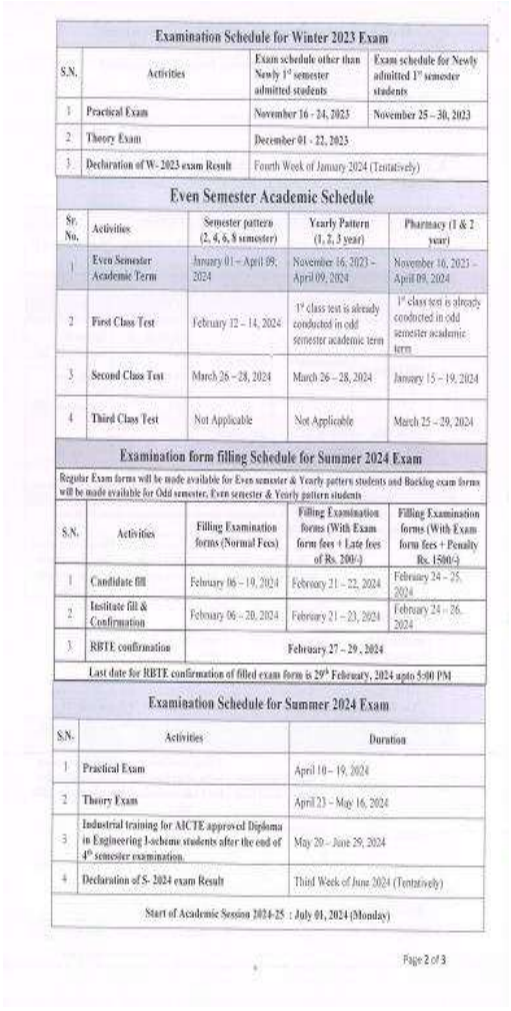
Last date for RBTE confirmation of filled exam form is 06th October, 2023 upto 5:00 PM

Enrollment schedule for Newly admitted 1st Semester / Year and Direct 2nd year students and Winter 2023 Exam form schedule for Newly admitted 1st and 3rd semester students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Regular fees + Late fees of Rs. 200/-)	Filling Examination forms (With regular fees + Penalty Rs. 1500/-)
1	Candidate fill	September 11 - 24, 2023	September 26 - 28, 2023	September 30 - October 02, 2023
2	Institute fill & Confirmation	September 11 - 25, 2023	September 26 - 29, 2023	September 30 – October 03, 2023
3	RBTE Confirmation	October 04 – 06, 2023		

Last date for RBTE confirmation of Enrollment and filled exam form is 06th October, 2023 upto 5:00 PM

Page 1 of 3



Examination Schedule for Winter 2023 Exam

S.N.	Activities	Exam schedule other than Newly 1st semester admitted students	Exam schedule for Newly admitted 1st semester students
1	Practical Exam	November 16 - 24, 2023	November 25 – 30, 2023
2	Theory Exam	December 01 - 22, 2023	
3	Declaration of W- 2023 exam Result	Fourth Week of January 2024 (Tentatively)	

Even Semester Academic Schedule

Sr. No.	Activities	Semester pattern (2, 4, 6, 8 semester)	Yearly Pattern (1, 2, 3 year)	Pharmacy (1 & 2 year)
1	Even Semester Academic Term	January 01 – April 09, 2024	November 16, 2023 – April 09, 2024	November 16, 2023 – April 09, 2024
2	First Class Test	February 12 – 14, 2024	1st class test is already conducted in odd semester academic term	1st class test is already conducted in odd semester academic term
3	Second Class Test	March 26 – 28, 2024	March 26 – 28, 2024	January 15 – 19, 2024
4	Third Class Test	Not Applicable	Not Applicable	March 25 – 29, 2024

Examination form filling Schedule for Summer 2024 Exam

Regular Exam forms will be made available for Even semester & Yearly pattern students and Backlog exam forms will be made available for Odd semester, Even semester & Yearly pattern students

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam fees + Penalty Rs. 1500/-)
1	Candidate fill	February 06 – 19, 2024	February 21 – 22, 2024	February 24 – 25, 2024
2	Institute fill & Confirmation	February 06 – 20, 2024	February 21 – 23, 2024	February 24 – 26, 2024
3	RBTE confirmation	February 27 – 29 , 2024		

Last date for RBTE confirmation of filled exam form is 29th February, 2024 upto 5:00 PM

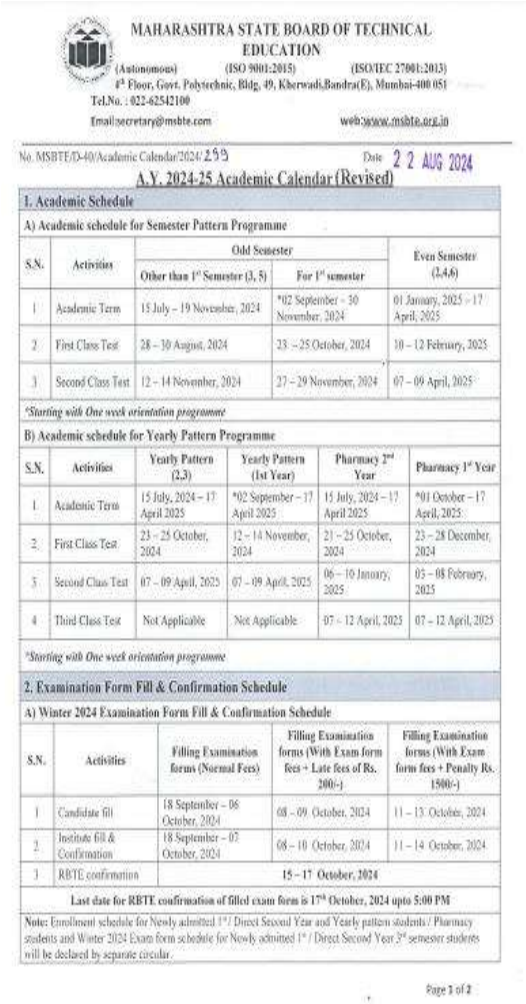
Examination Schedule for Summer 2024 Exam

S.N.	Activities	Duration
1	Practical Exam	April 10 – 19, 2024
2	Theory Exam	April 23 – May 16, 2024
3	Industrial training for AICTE approved Diploma in Engineering I-scheme students after the end of 4th semester examination.	May 20 – June 29, 2024
4	Declaration of S- 2024 exam Result	Third Week of June 2024 (Tentatively)

Start of Academic Session 2024-25 : July 01, 2024 (Monday)

Page 2 of 3

Academic Calender 2024-25



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(Autonomous) (ISO 9001:2015) (ISO/IEC 27001:2013)

3rd Floor, Govt. Polytechnic, Bldg. 49, Kherwadi,Bandra(E), Mumbai-400 051

Tel.No. : 022-62542100

Email:secretary@msbte.com web:www.msbte.org.in

No. MSBTE/D-40/Academic Calendar/2024/ 259 Date 22 AUG 2024

A.Y. 2024-25 Academic Calendar (Revised)

1. Academic Schedule

A) Academic schedule for Semester Pattern Programme

S.N.	Activities	Odd Semester		Even Semester (2,4,6)
		Other than 1st Semester (3, 5)	For 1st semester	
1	Academic Term	15 July – 19 November, 2024	*02 September – 30 November, 2024	01 January, 2025 – 17 April, 2025
2	First Class Test	28 – 30 August, 2024	23 – 25 October, 2024	10 – 12 February, 2025
3	Second Class Test	12 – 14 November, 2024	27 – 29 November, 2024	07 – 09 April, 2025

*Starting with One week orientation programme

B) Academic schedule for Yearly Pattern Programme

S.N.	Activities	Yearly Pattern (2,3)	Yearly Pattern (1st Year)	Pharmacy 2nd Year	Pharmacy 1st Year
1	Academic Term	15 July, 2024 – 17 April 2025	*02 September – 17 April 2025	15 July, 2024 – 17 April 2025	*01 October – 17 April, 2025
2	First Class Test	23 – 25 October, 2024	12 – 14 November, 2024	23 – 25 October, 2024	23 – 28 December, 2024
3	Second Class Test	07 – 09 April, 2025	07 – 09 April, 2025	06 – 10 January, 2025	05 – 08 February, 2025
4	Third Class Test	Not Applicable	Not Applicable	07 – 12 April, 2025	07 – 12 April, 2025

*Starting with One week orientation programme

2. Examination Form Fill & Confirmation Schedule

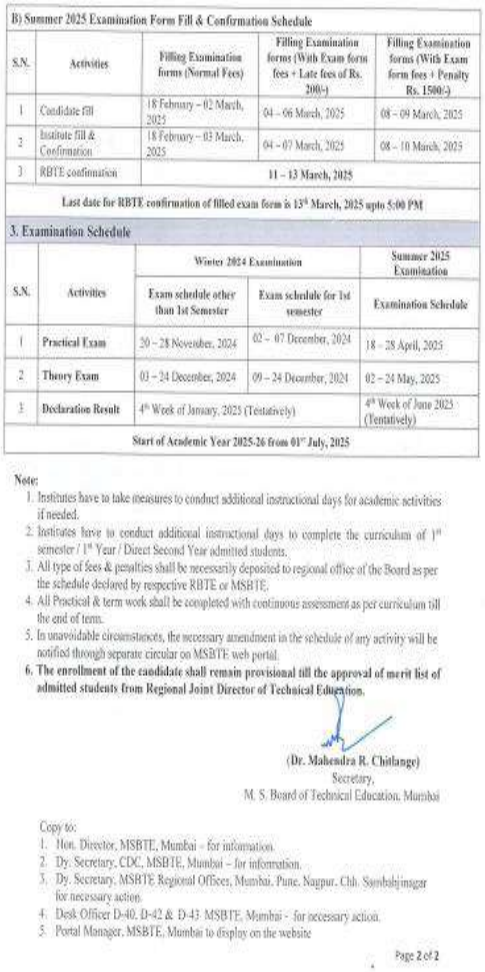
A) Winter 2024 Examination Form Fill & Confirmation Schedule

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	18 September – 06 October, 2024	08 – 09 October, 2024	11 – 13 October, 2024
2	Institute fill & Confirmation	18 September – 07 October, 2024	08 – 10 October, 2024	11 – 14 October, 2024
3	RBTE confirmation	15 – 17 October, 2024		

Last date for RBTE confirmation of filled exam form is 17th October, 2024 upto 5:00 PM

Note: Enrollment schedule for Newly admitted 1st / Direct Second Year and Yearly pattern students / Pharmacy students and Winter 2024 Exam form schedule for Newly admitted 1st / Direct Second Year 2nd semester students will be declared by separate circular.

Page 1 of 2



B) Summer 2025 Examination Form Fill & Confirmation Schedule

S.N.	Activities	Filling Examination forms (Normal Fees)	Filling Examination forms (With Exam form fees + Late fees of Rs. 200/-)	Filling Examination forms (With Exam form fees + Penalty Rs. 1500/-)
1	Candidate fill	18 February – 02 March, 2025	04 – 06 March, 2025	08 – 09 March, 2025
2	Institute fill & Confirmation	18 February – 03 March, 2025	04 – 07 March, 2025	08 – 10 March, 2025
3	RBTE confirmation	11 – 13 March, 2025		

Last date for RBTE confirmation of filled exam form is 13th March, 2025 upto 5:00 PM

3. Examination Schedule

S.N.	Activities	Winter 2024 Examination		Summer 2025 Examination
		Exam schedule other than 1st Semester	Exam schedule for 1st semester	Examination Schedule
1	Practical Exam	20 – 28 November, 2024	02 – 07 December, 2024	18 – 28 April, 2025
2	Theory Exam	03 – 24 December, 2024	09 – 24 December, 2024	02 – 24 May, 2025
3	Declaration Result	4th Week of January, 2025 (Tentatively)		4th Week of June 2025 (Tentatively)

Start of Academic Year 2025-26 from 01st July, 2025

Note:

1. Institutes have to take measures to conduct additional instructional days for academic activities if needed.
2. Institutes have to conduct additional instructional days to complete the curriculum of 1st semester / 1st Year / Direct Second Year admitted students.
3. All type of fees & penalties shall be necessarily deposited to regional office of the Board as per the schedule declared by respective RBTE or MSBTE.
4. All Practical & term work shall be completed with continuous assessment as per curriculum till the end of term.
5. In unavoidable circumstances, the necessary amendment in the schedule of any activity will be notified through separate circular on MSBTE web portal.
6. **The enrollment of the candidate shall remain provisional till the approval of merit list of admitted students from Regional Joint Director of Technical Education.**

(Dr. Mahendra R. Chitlange)
Secretary,
M. S. Board of Technical Education, Mumbai

Copy to:
1. Hon. Director, MSBTE, Mumbai – for information.
2. Dy. Secretary, CDC, MSBTE, Mumbai – for information.
3. Dy. Secretary, MSBTE Regional Offices, Mumbai, Pune, Nagpur, Chh. Sambhajinagar for necessary action.
4. Desk Officer D-40, D-42 & D-43 MSBTE, Mumbai - for necessary action.
5. Portal Manager, MSBTE, Mumbai to display on the website

Page 2 of 2

2.2.1.B. Use of various instructional planning and delivery methods (3)

1.1. Classroom Lectures and Interactive learning:

- Depending on the nature of the course, the course teachers use one or more of the following lecture delivery methods (a)Chalk and Board (b) PPTs (c)Videos
- Lectures are interactive to a large extent

2. Laboratory Session:

- Laboratory manuals are provided by MSBTE to ensure quality of practicals.
- For conduction of practicals, laboratory plans are prepared as per MSBTE format.
- Experiments are normally performed in groups so students learn to work in teams.
- Viva-voce provides an opportunity for the teacher to get subject related feedback from the students.

3. Microproject

- Microproject is the essential component of the curriculum.
- The main purpose of the microproject is to develop the ability to work in real life settings individually or collectively.
- Microproject is basically intended to integrate more than one course outcomes of the concerned course and related practicals.
- Every student is expected to devote 16 hours during the whole semester.
- Seminar/Presentation is an essential evaluation component of a microproject.

4. Capstone Projects

- To get real life problem experience, the MSBTE curriculum includes Capstone Project in Third year.
- Capstone Project is carried out by a group of students under the guidance of faculty wherein students apply the knowledge of all related courses in providing hardware/software solutions and present demonstrable prototype/applications to Internal as well as external examiner.
- The Viva Voce/Presentation is an important mode of assessment where the knowledge, approach and understandings of students is assessed by the examiners.

5. Industrial Visits

- Industrial visits are arranged to get the students acquainted with the industrial environment and work ethics.

6. E-learning Resources

- Videos and e-learning material are used for delivering course content.
- Various platforms like Swayam /MOOCs, Infosys Springboard are used.
- MSBTE has developed e-content for some courses.
- Google classroom is used by some of the faculties for delivering course content as well as term work submission during pandemic.

Sample Teaching Plan (TP) format –

For AICTE Diploma Courses wef - 2017-18 **D-1**

Maharashtra State Board of Technical Education

TEACHING PLAN (TP)

Academic Year:

Program: Course: Course Code:

Semester: Name of Faculty:

Chapter No. (Allocated Hrs.)	CO (Mention Only Number)	UO (Mention Only Number)	Title/Details *	Plan (From – To & No. of Lectures.)	Actual Execution (From -To & No. of Lectures.)	Teaching Method/ Media	Remarks

(Name & Signature of Faculty) **(Name& Signature of HOD)**

***The Faculty is supposed to mention the details of Topic & Subtopics.**

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Sample Laboratory Plan (LP) format –

For AICTE Diploma Courses wef - 2017-18 **D-2**

Maharashtra State Board of Technical Education

LABORATORYASSIGNMENT /SHEET/ JOB/PROJECT ACTIVITY PLANNING (LP)

Academic Year:

Program: Course: Course Code:

Semester: Name of Faculty:

Batch A / B / C

Sr. No	CO	PrO	Name of Experiment/ Assignment/Sheet/Job/Project Activity	Planned date		Actual Date	Remark
				From	To		

(Name & Signature of Faculty) **(Name& Signature of HOD)**

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION MUMBAI

45

2.2.1.C. Methodologies to support weak students and encourage bright students (4)

- Staffs works as mentors for students and every staff allotted at least 20 students. The mentors conduct meetings discussing the progress of their mentees and are responsible to identify students marks in their class test and previous semester performance.
- Under the HOD direction, the student's mentor evaluates the progress of those students who scored less marks and below 75% attendance are considered as academically weak student conveyed to their parents.
- The mentors appointed for every class segregates bright and weak students on the basis of certain attributes such as class test performance, previous results, communication skill, Promptness
- Bright students are encouraged to participate in various events like technical paper presentation, Technical Quiz, project competitions at institute level, District level, state level and national level. Toppers are awarded with the post of class representative. Bright students grab opportunities to work as a leader or a member in organizing cultural and technical activities. Student secured with distinction exams are felicitated in the annual function to motivate them. First three toppers of each class are awarded with mementos and certificate of appreciation.
- Academically weak students are counseled and additional assignments and Term End Exam model answers are given to such students to improve their performance through remedial class involved in counseling of such students. Mentors hold up their students by arranging lab sessions, extra lectures, ICT enabled teaching. For increasing the interest of students different medias are used such as projectors, laptops, video lectures

Government Polytechnic, Hingoli

Staff Asigned for Social And Life Skills (312003)

Computer Engineering - CO2K

Sr. No.	Roll No.	Name of Student	Staff Asigned for Social& Life Skills (312003)	Remark
1	1101	AVHAD DIVYA DADARAO	Smt.P.P.Deshpande	
2	1102	BETKAR YOGITA NAGORAO	Smt.P.P.Deshpande	
3	1103	BHATT KHUSHI RAKESH	Smt.P.P.Deshpande	
4	1104	BHOPI MANISHA BHARAT	Smt.P.P.Deshpande	
5	1105	BIRADAR ROHINI VASANT	Smt.P.P.Deshpande	
6	1106	CHIRMADE GAURI BHAGWAN		Detained
7	1107	DANGE PRITI SURESH	Smt.P.P.Deshpande	
8	1108	GHONGADE RUPALI RAJESH	Smt.P.P.Deshpande	
9	1109	GHUGE NANDINI PANDHARI	Smt.P.P.Deshpande	
10	1110	GURLEEN KAUR SUKHBIR SINGH ALAG	Smt.P.P.Deshpande	
11	1111	INGOLE SAPNA ASHOK	Smt.P.S.Patil	
12	1112	INGOLE SAPNA DEVIDASRAO	Smt.P.S.Patil	
13	1113	JADHAV ANJALI PANDURANG	Smt.P.S.Patil	
14	1114	JAISWAL SAKSHI GANGAPRASAD	Smt.P.S.Patil	
15	1115	KADAM AISHVRYA BHAGAVAT	Smt.P.S.Patil	
16	1116	KARHALE NEHA BHAURAO	Smt.P.S.Patil	
17	1117	KAWARKHE PUNAM BHAGAWAT	Smt.P.S.Patil	
18	1118	KHANDARE RACHITA UDDHAV	Smt.P.S.Patil	
19	1119	KODGIRE VEDIKA DEELIP	Smt.P.S.Patil	
20	1120	KOTLAPURE RAJANI DINANATH	Smt.P.S.Patil	
21	1121	MAHAJAN MADHURA SAMADHAN	Shri.N.S.Jadhav	
22	1122	MUCHEWAD SHRADDHA NITIRAJ	Shri.N.S.Jadhav	
23	1123	NARWADE ANUSHKA DEVIDAS	Shri.N.S.Jadhav	
24	1124	NIKITA RAJARAM INGLE	Shri.N.S.Jadhav	
25	1125	NIMBHORE SWATI GANESH	Shri.N.S.Jadhav	
26	1126	PARISKAR VAISHNAVI SHIVAJI	Shri.N.S.Jadhav	
27	1127	PATIL MOHINI SHAMRAO	Shri.N.S.Jadhav	
28	1128	PAWAR ARTI SHRIKRISHNA	Shri.N.S.Jadhav	
29	1129	RATHOD ANUJA AVINASH	Shri.N.S.Jadhav	
30	1130	RATHOD REVATI RAMESHWAR	Shri.N.S.Jadhav	
31	1131	RAWALE KALYANI UMESH	Shri.M.S.Limje	
32	1132	SALVE KOMAL ANANDRAO	Shri.M.S.Limje	
33	1133	SAVALE SANDHYA MADHAV	Shri.M.S.Limje	
34	1134	SHINDE VAISHNAVI BHAGWAT	Shri.M.S.Limje	
35	1135	SOMAWAR ASMITA YAMNESH	Shri.M.S.Limje	
36	1136	SONTAKKE NIKITA SUNIL	Shri.M.S.Limje	
37	1137	SURUSHE RENUKA YADAVRAO	Shri.M.S.Limje	
38	1138	THAKUR PRITI VIJAYSINGH	Shri.M.S.Limje	
39	1139	TOTE KRISHNALI ANESH	Shri.M.S.Limje	
40	1140	VEDALANKAR ISHA CHANDRAKANT	Shri.M.S.Limje	

2.2.1.D. Quality of classroom teaching (Observation in a Class) (3)

- Class rooms are specious, neatly maintained, properly ventilated and illuminated. Enough benches are there in each class room to accommodate all students of class.
- The lesson plan forms an important tool for delivering the contents during class room sessions hence, lesson plans are prepared / revised for all theory and practical courses
- ICT rooms which consist of laptop, projector, and multimedia are used for teaching purposes and internet facility is available for students and faculty.
- Quality of class room teaching is also enhanced by the use of audio visual aids developed by NITTTR, NPTEL and other educational resources, self-made power point presentations etc.
- Collaborative learning is also used. Various group activities like group discussions, micro projects, seminars, presentations, quiz competition are organized.

2.2.1.E. Conduct of experiments (Observation in Lab) (3)

As per MSBTE CIANN Norms 2017, 16 week laboratory plan in format D2 is prepared by each staff and approved from head of department. Laboratory plan is strictly followed as per time table and academic calendar.

D-2

For AICTE Diploma Courses wef - 2017-18

Maharashtra State Board of Technical Education

LABORATORYASSIGNMENT /SHEET/ JOB/PROJECT ACTIVITY PLANNING (LP)

Academic Year:

Program: Course: Course Code:

Semester: Name of Faculty:

Batch A / B / C

Sr. No	CO	PrO	Name of Experiment/ Assignment/Sheet/Job/Project Activity	Planned date		Actual Date	Remark
				From	To		

(Name & Signature of Faculty) (Name& Signature of HOD)

D-3

For AICTE Diploma Courses wef - 2017-18

Maharashtra State Board of Technical Education

PROGRESSIVE ASSESSMENT OF PRACTICALS

Academic Year:

Program: Course: Course Code:

Semester: Name of Faculty:

Roll No.	Enrolment No.	Exam Seat No.	Name of the student	Experiment / Job / Assignment / Sheet/Activity of Project (Marks out of 10 per experiment)												Total Marks out of (10 x No. of Expt.) ( )	PA Marks of Practical Converted According to T.E Scheme (Max Marks-)
1	2	3	4	5												6	7
				1	2	3	4	5	6	7	8	9	10	11	12		

(Name & Signature of Faculty) (Name & Signature of HOD)

2.2.1.F. Continuous Assessment in the laboratory (3)

- Continuous assessment in **I-scheme** is carried out as per the assessment schemes specified in MSBTE laboratory manuals for continuous assessment.
- Sample Assessment Schemes are shown below
    - Assessment Scheme for DTE (22320)

Assessment Scheme

Performance indicators		Weightage
Process related:15 Marks		**60%**
1	Testing of IC's using IC tester	10 %
2	Handling of the components/IC	10 %
3	Identification of component/IC	10 %
4	Mounting of IC on Breadboard	20 %
5	Working in team	10 %
Product related:10 Marks		**40%**
6	Result	10 %
7	Interpretation of result	05 %
8	Conclusions	05 %
9	Answers to Practical related questions	15 %
10	Submitting the journal in time	05%
Total (25 Marks)		**100 %**

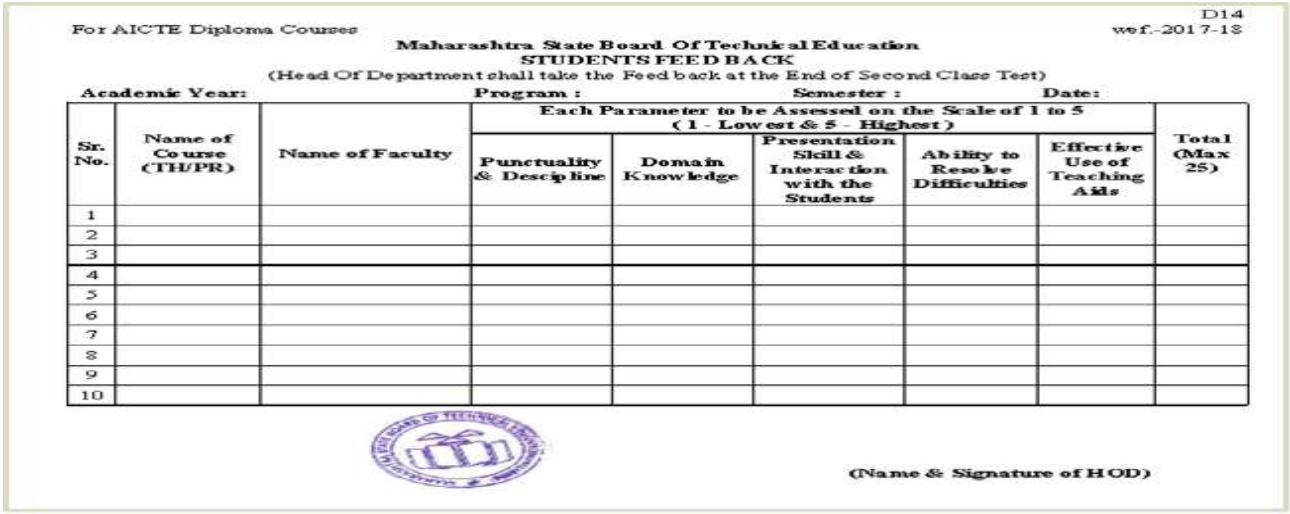
- Assessment Scheme for LIC (22423)

Performance Indicators		Weightage
Process related: 15 Marks		**60%**
1	Handling of the components	10 %
2	Mounting of component	20 %
3	Measuring pulse width using CRO	20 %
4	Working in team	10 %
Product related: 10 Marks		**40%**
5	Calculate Theoretical pulse width.	10 %
6	Interpretation of result	05 %
7	Conclusions	05 %
8	Practical related questions	15 %
9	Submitting the journal in time	05%
Total (25 Marks)		**100 %**

Marks Obtained			Dated Signature of teacher
Process Related (10)	**Product Related (15)**	**Total (25)**	

2.2.1.G. Student feedback of teaching learning process and action taken (6)

- Lecture classes are regularly monitored by the Head of the Department who is in continuous touch with the students. Oral feedback obtained during interaction is communicated to faculty in terms of constructive comments to improve the quality of teaching and the teaching-learning process on day to day basis.
- Apart from department level mechanism, Institute has appointed a senior faculty member as the internal academic coordinator who carries out the monitoring of academic activities as per the guidelines of MSBTE.
- The Principal and the Academic Coordinator then constitute a committee comprising of Head from other department as chairman and two senior members as experts who will carry out the monitoring activity of the department assigned to them during the middle of the term.
- The committee inspects the documents of every course teacher with respect to number of lectures and practical's engaged till the date of monitoring, the use of learning resources by the course teacher and the maintenance of all formats as per the CIAAN of MSBTE. The adequacy of laboratory equipment and the maintenance of the same in satisfactory condition or otherwise are also noted.
- Student's feedback with respect to the course teacher's style of delivery, class control, accessibility, and timely assessment of journals, assignments and test papers, use of ICT are taken and conveyed to them for continuous improvement.
- Student's feedback is processed positively for the improvement of Teaching-Learning process.
- Counselling by the Head of the Department for those faculty members who have secured low scores and negative comments, if any, in the feedback. This motivates them to improve their skills and abilities.
- If required training/orientation programs, faculties are timely deputed for the same, thus improving the efficiency of teaching-learning process.
- Feedback from the students is taken as per the AICTE–CIAAN norms and the Government of Maharashtra resolution of seventh pay commission norms which are presented below in the following prescribed format –



For AICTE Diploma Courses D14

wef.-2017-18

Maharashtra State Board Of Technical Education

STUDENTS FEED BACK

(Head Of Department shall take the Feed back at the End of Second Class Test)

Academic Year: **Program :** **Semester :** **Date:**

Sr. No.	Name of Course (TH/PR)	Name of Faculty	Each Parameter to be Assessed on the Scale of 1 to 5 (1 - Lowest & 5 - Highest)					Total (Max 25)
			Punctuality & Discipline	Domain Knowledge	Presentation Skill & Interaction with the Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

(Name & Signature of HOD)

STUDENTS FEEDBACK FORM

Academic Year: Name of the Faculty:

Course: Semester:

Date of feedback:

Sr. No.	Description	Very Poor	Poor	Good	Very Good	Excellent
		1	2	3	4	5
1	Has the Teacher covered entire syllabus as prescribed by University / College / Board ?					
2	Has the Teacher covered relevant topics beyond syllabus ?					
3	Effectiveness of Teacher in terms of :					
	(a) Technical content / course content					
	(b) Communication skills					
	(c) Use of teaching aids					
4	Pace on which contents were covered					
5	Motivation and inspiration for students to learn					
6	Support for the development of Student's skill					
	(i) Practical demonstration					
	(ii) Hand on training					
7	Clarity of expectations of students					
8	Feedback provied on Students progress					
9	Willingness to offer help and advice to students					
	Total					

For AICTE Diploma Courses

D14

wef-2017-2018

Maharashtra State Board of Technical Education

STUDENTS FEEDBACK

(Head of the Department shall take the Feed Back at the End of Second Class Test)

Academic Year: 2019-2020 Program: CO6I Semester: Sixth Date: 27/04/22

Sr. No.	Name of Course (TH/PR)	Name of Faculty	Each Parameter to be Assessed on the Scale of 1 to 5 (1-Lowest & 5- Highest)				
			Punctuality & Descipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids
1	MGT(22509)	G K Manganale	✓5	✓5	✓5	✓5	✓5
2	PWP(22616)	PH Gutte	✓5	✓5	✓5	✓5	✓5
3	MAD(22617)	A T Adhave	✓5	✓5	✓5	✓5	✓5
4	ETI(22618)	M S Limje	✓5	✓5	✓5	✓5	✓5
5	WBP(22619)	P B Mali	✓5	✓5	✓5	✓5	✓5
6	EDE (22032)	P S Patil	✓5	✓5	✓5	✓5	✓5

Name & Signature of HOD

2.2.2 Initiatives to improve the quality of semester tests and assignments: (15 MARKS)

Initiatives taken to improve the quality of semester tests and assignments in terms of the following:

2.2.2.A. Process for internal semester question paper setting and evaluation & effective process implementation (5)

- For internal assessment, two progressive theory tests are conducted as per the schedule given by MSBTE. (the first test is usually after 8 weeks and the second test is after 14 weeks)
- While designing the question paper, care is taken to include questions to assess the attainment of expected course outcomes.
- The question paper pattern as recommended by MSBTE is strictly followed.
- For I scheme the test paper pattern consists of 2 questions for maximum of 20 marks as follows:
    - Q.No.1- Any 4 bits out of 5/6 of 2 marks each covering the entire portion meant for the tests. (4 X 2 = 8)
    - Q.No.2- Any 3 bits out of 4 of 4 marks each. (3 X 4 = 12)
- Marks obtained by candidate in each test are displayed within 10 days on notice Board.
- Answer books of class tests are shown to students for feedback so as to make improvement.
- Attainment of Course Outcomes is calculated in terms of set target marks and levels decided before the test.
- In case the target level is not attained, assignment is given and assessed by the course teacher to ensure delivery of course outcome.
- Updated questions in the form of assignments/question banks given to students.
- Provision of sample question paper of End Semester Examination given to students.
- Display of solution on notice board after completion of PA and its Assessment done.
- Proper depth of questions is maintained.
- Uniform test question paper format (as per MSBTE guidelines) is followed which is designed using verbs from Blooms Taxonomy –

Verbs that demonstrate *Critical Thinking*

KNOWLEDGE	COMPREHENSION	APPLICATION	ANALYSIS	SYNTHESIS	EVALUATION
List	Compare	Apply	Analyze	Arrange	Appraise
Name	Describe	Complete	Appraise	Assemble	Argue
Recall	Discuss	Construct	Categorize	Collect	Assess
Record	Explain	Demonstrate	Compare	Combine	Choose
Relate	Express	Dramatize	Contrast	Comply	Compare
Repeat	Identify	Employ	Debate	Compose	Conclude
State	Recognize	Illustrate	Diagram	Construct	Estimate
Tell	Restate	Interpret	Differentiate	Create	Evaluate
Underline	Tell	Operate	Distinguish	Design	Interpret
	Translate	Practice	Examine	Devise	Judge
		Schedule	Experiment	Formulate	Justify
		Sketch	Inspect	Manage	Measure
		Use	Inventory	Organize	Rate
			Question	Plan	Revise
			Test	Prepare	Score
				Propose	Select
				Setup	Support
					Value

Figure 8 - Blooms Toxonomy of Measurable Verbs

GOVERNMENT POLYTECHNIC HINGOLI

Dept. of Computer Engg.

Unit Test II

Program code: Computer Graphics
Course: CO3I
Total Marks: 20

Date of Exam: 26/10/2023
Course code: 22318
Duration: 1 Hour

Important instructions:

1) All questions are compulsory.
2) Figures to the right indicate full marks.
3) Assume suitable data if necessary.
4) Preferably, write the answers in sequential order.

Question 1: Attempt any FOUR of the following. **(4 x 2M = 8M)**

a)	Define i) Convex polygon ii) Concave polygon	CO3
b)	List any Four polygon filling algorithms.	CO3
c)	Write the matrix form of i) Translation in 3D ii) Scaling in 3D.	CO5
d)	Write X-shear and Y-shear.	CO4
e)	Write 2D Rotation along with its matrix form.	CO4
f)	Write homogenous co-ordinates for Translation in 2D	CO4

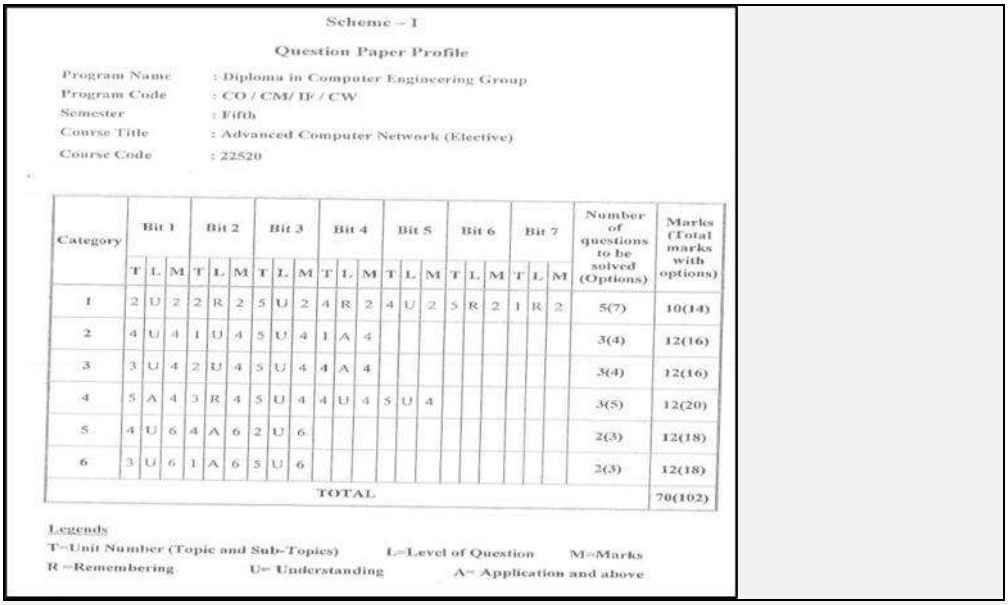
Question 2: Attempt any THREE of the following. **(3 x 4M = 12M)**

a)	Write a short note on Even-odd method	CO3
b)	Explain with example seed fill algorithm.	CO3
c)	Describe 3D Rotation along with its different primary axis.	CO5
d)	What are different Reflection transformation with matrix form.	CO4
e)	Consider the square A(1,0), B(0,0),C(0,1),D(1,1). Rotate the square by 45 anticlockwise direction.	CO4

BEST OF LUCK

2.2.2.B. Process to ensure Question from outcomes/learning levels perspective (5)

- Each question is mapped with COs and based on Blooms taxonomy levels remember, understand and apply.
- Student answer to a particular question is taken into consideration and average of all students' marks is taken to evaluate CO attainment.
- In question paper setting module of MSBTE, question paper profile is given to each paper setter. It contains chapter wise mapping of questions to learning levels, i.e. remember, and understand respect to marks for each question.



Scheme – I

Question Paper Profile

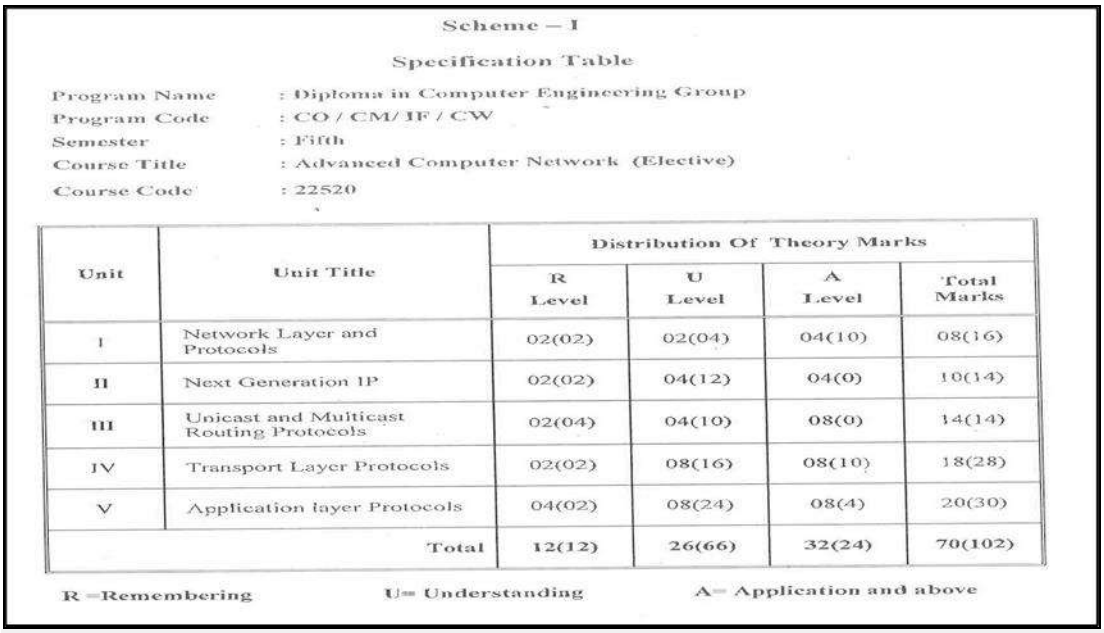
Program Name : Diploma in Computer Engineering Group
Program Code : CO / CM/ IF / CW
Semester : Fifth
Course Title : Advanced Computer Network (Elective)
Course Code : 22520

Category	Bit 1			Bit 2			Bit 3			Bit 4			Bit 5			Bit 6			Bit 7			Number of questions to be solved (Options)	Marks (Total marks with options)
	T	L	M	T	L	M	T	L	M	T	L	M	T	L	M	T	L	M	T	L	M		
1	2	U	2	2	R	2	5	U	2	4	R	2	4	U	2	5	R	2	1	R	2	5(7)	10(14)
2	4	U	4	1	U	4	5	U	4	1	A	4										3(4)	12(16)
3	3	U	4	2	U	4	5	U	4	4	A	4										3(4)	12(16)
4	5	A	4	3	R	4	5	U	4	4	U	4	5	U	4							3(5)	12(20)
5	4	U	6	4	A	6	2	U	6													2(3)	12(18)
6	3	U	6	1	A	6	5	U	6													2(3)	12(18)
TOTAL																							70(102)

Legends
T=Unit Number (Topic and Sub-Topics) L=Level of Question M=Marks
R =Remembering U= Understanding A= Application and above

Figure 3Question Paper Profile

- Learning levels are taken into account while setting question paper as per following figure which shows that out of 70 marks 12 marks are for remember level, 18 marks are for understand l are for apply level



Scheme – I

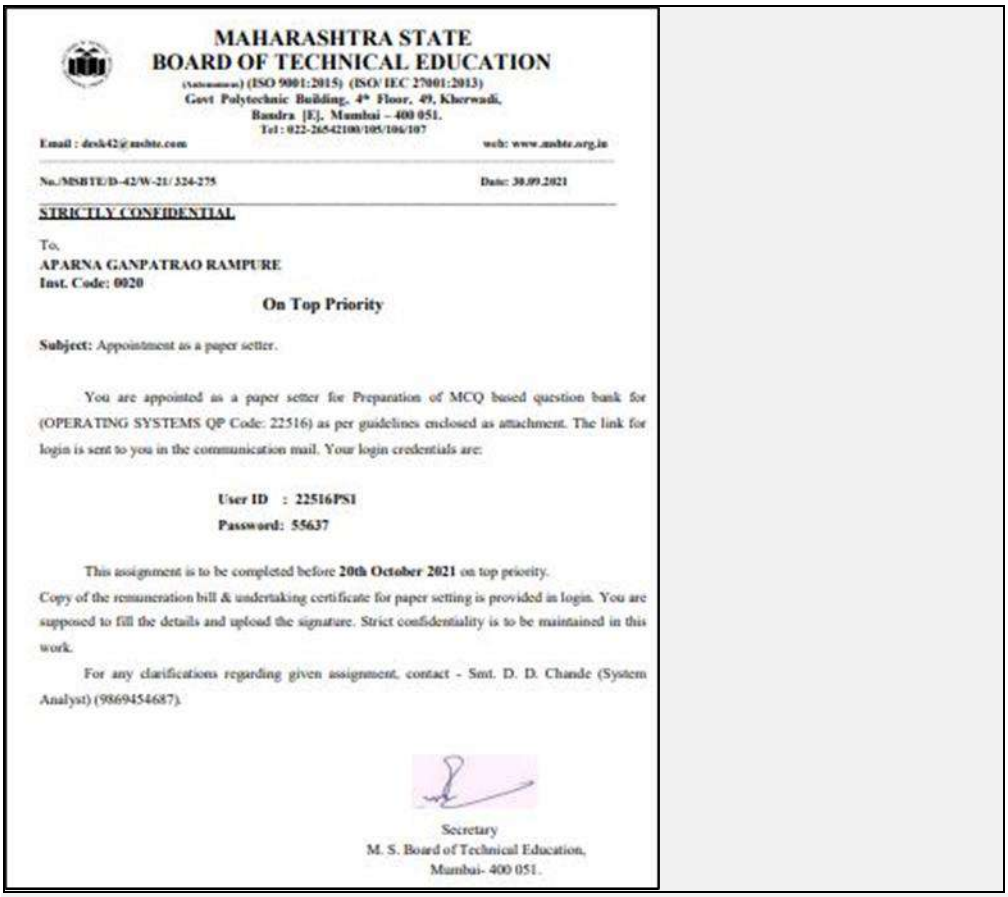
Specification Table

Program Name : Diploma in Computer Engineering Group
Program Code : CO / CM/ IF / CW
Semester : Fifth
Course Title : Advanced Computer Network (Elective)
Course Code : 22520

Unit	Unit Title	Distribution Of Theory Marks			
		R Level	U Level	A Level	Total Marks
I	Network Layer and Protocols	02(02)	02(04)	04(10)	08(16)
II	Next Generation IP	02(02)	04(12)	04(0)	10(14)
III	Unicast and Multicast Routing Protocols	02(04)	04(10)	08(0)	14(14)
IV	Transport Layer Protocols	02(02)	08(16)	08(10)	18(28)
V	Application layer Protocols	04(02)	08(24)	08(4)	20(30)
	Total	12(12)	26(66)	32(24)	70(102)

R =Remembering U= Understanding A= Application and above

Figure 4Specification Table



MAHARASHTRA STATE
BOARD OF TECHNICAL EDUCATION
(Autonomous) (ISO 9001:2015) (ISO/ IEC 27001:2013)
Govt Polytechnic Building, 4th Floor, 49, Kherwadi,
Bandra [E], Mumbai – 400 051.
Tel : 022-26542100/105/106/107
Email : desk42@msbte.com web: www.msbte.org.in

No./MSBTE/D-42/W-21/ 324-275 Date: 30.09.2021

STRICTLY CONFIDENTIAL

To,
APARNA GANPATRAO RAMPURE
Inst. Code: 0020

On Top Priority

Subject: Appointment as a paper setter.

You are appointed as a paper setter for Preparation of MCQ based question bank for (OPERATING SYSTEMS QP Code: 22516) as per guidelines enclosed as attachment. The link for login is sent to you in the communication mail. Your login credentials are:

User ID : 22516PS1
Password: 55637

This assignment is to be completed before **20th October 2021** on top priority.
Copy of the remuneration bill & undertaking certificate for paper setting is provided in login. You are supposed to fill the details and upload the signature. Strict confidentiality is to be maintained in this work.

For any clarifications regarding given assignment, contact - Smt. D. D. Chande (System Analyst) (9869454687).

Secretary
M. S. Board of Technical Education,
Mumbai- 400 051.

Figure 5Question paper setting in online

2.2.2.C. Evidence of COs coverage in class test / mid-term tests and assignments (5)

- The question paper set by the course teacher is analysed by the course teacher for its closeness to the expected course outcomes on a scale of 0 to 3 (0-no relation, 1-slightly related, 2-moderately related and 3-closely related)
- Efforts are taken to see that the average for every CO is more than 2.5.
- In addition to mandatory assignments given by MSBTE, additional assignments are given by teachers to cover the COs not included in progressive test to ensure attainment of all COs.
- Assignments and self-assessment MCQs are given to students to check there learning progress and motivate them. Mapping of assignment and self-assessment MCQs questions to the COs are prepared by the course teacher to justify its need.
- PA test registers is maintained in department which shows the performance improvement of students.
- A sample Question papers with COs & UOs mentioned of PA Test is given below-

GOVERNMENT POLYTECHNIC HINGOLI

Dept. of Computer Engg.

Unit Test II

Program code: Computer Graphics
Date of Exam: 26/10/2023

Course: CO3I
Course code: 22318

Total Marks: 20
Duration: 1 Hour

Important instructions:

1) All questions are compulsory.
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4) Preferably, write the answers in sequential order.

Question 1: Attempt any FOUR of the following. **(4 x 2M = 8M)**

a) Define i) Convex polygon ii) Concave polygon — CO3
b) List any Four polygon filling algorithms. — CO3
c) Write the matrix form of i) Translation in 3D ii) Scaling in 3D. — CO5
d) Write X-shear and Y-shear. — CO4
e) Write 2D Rotation along with its matrix form. — CO4
f) Write homogenous co-ordinates for Translation in 2D — CO4

Question 2: Attempt any THREE of the following. **(3 x 4M = 12M)**

a) Write a short note on Even-odd method — CO3
b) Explain with example seed fill algorithm. — CO3
c) Describe 3D Rotation along with its different primary axis. — CO5
d) What are different Reflection transformation with matrix form. — CO4
e) Consider the square A(1,0), B(0,0),C(0,1),D(1,1). Rotate the square by 45 anticlockwise direction. — CO4

BEST OF LUCK

GOVERNMENT POLYTECHNIC, HINGOLI

ACADEMIC YEAR 2023 - 2024

UNIT TEST - I/II

ANSWER SHEET

PROGRAM :	CGR	Roll No.:	22319		Marks Obtained	15	
COURSE :	C03I	COURSE CODE :	22[redacted]				
MAIN ANSWER BOOK	01	SUPPLEMENTS USED	0	TOTAL - 1	Sign.of Invigilator	Out of	20

Sign.of Subject Teacher

COs	QUESTION 1							QUESTION 2							Total Marks Obtained	Total Marks allotted to CO
	a	b	c	d	e	f	g	a	b	c	d	e	f	g		
CO 1															08	
CO 2															07	
CO 3	02	02						02								
CO 4					02	01					03	02				
CO 5			02													
CO 6																
															Total Marks Obtained :	15
															Sign of Student :	Anjoshi

Q-1)

a) Ans:) i) Convex polygon : Convex polygon is a polygon in which if we take any two points inside the polygon, then connect those two point and if all the points on that line lies inside the polygon then that polygon is said to be convex polygon.

ex:

2.2.3 Quality of Experiments: (15 MARKS)

2.2.3.A. Experimental methodologies (05):

Preparation of time table special care is taken to accommodate

Year	Batch Name	Batch Size
First Year	I1 (Roll No 1 to 20)	20*
	I2 (Roll No 21 to 40)	
	I3 (Roll No 40 onwards)	
Second Year	I4 (Roll No 1 to 20)	
	I5 (Roll No 21 to 40)	
	I6 (Roll No 40 onwards)	
Third Year	I7 (Roll No 1 to 20)	
	I8 (Roll No 21 to 40)	
	I9 (Roll No 40 onwards)	

(* Batch Size may vary depending upon number of students admitted)

A lab session is of two/four hours per course per week is prescribed by MSBTE,same is followed by the department. A lab session includes hands on practices, application of theory session through programming, implementation of program / practical as per lab manuals.

The laboratory manuals are learning resources prepared by subject expert from various institutes affiliated to MSBTE under the guidance of educational consultants. Each experiment is with :

- Practical Significance
- Relevant to Program Outcomes(POs)
- Competency and Practical skills
- Relevant Course Outcomes(Cos)
- Practical Outcomes(PrOs)
- Background Knowledge
- Resources Required
- Precautions
- Results
- Questions
- Further Reading
- Assessment scheme

2.2.3.B. Innovative experiments including industry attached practices, virtual labs (05)

Virtual lab (http://vlab.co.in (http://vlab.co.in))

This reference is used for the conduct of practical of some courses such as Programming in C, Data Structures, Software Engineering and Computer Security. Students remotely use browse to perform experiments for said courses. It is very convenient to conduct experiments online as some software not available on standalone PCs.

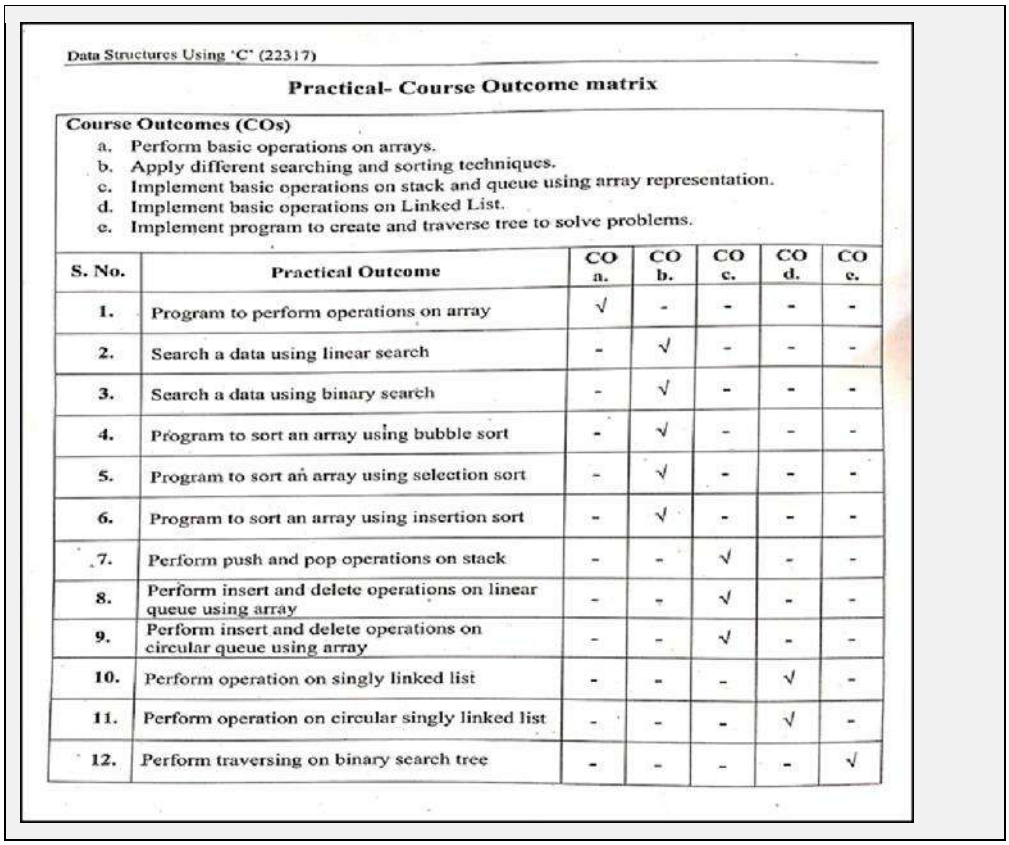
Philosophy of Virtual Labs

Virtual Labs project is an initiative of Ministry of Human Resource Development (MHRD), Government of India under the agencies of National Mission on Education through Information and C Technology (NMEICT). This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. For the first initiative has been taken-up in remote-experimentation. Under Virtual Labs project, over 100 Virtual Labs consisting of approximately 700+ web-enabled experiments were designed for remote viewing.

2.2.3.C. Relevance to outcomes (05)

MSBTE lab manual as learning resource includes Practical – Course outcome matrix which is nothing but mapping of experiments with course outcomes. From this matrix relevant course to experiments are clearly stated. Program Outcomes to be achieved through practical's of course are also given is lab manuals.

Inside each experiment relevant program outcomes, relevant to course outcomes, competency and practical skills that student will achieve and practical outcomes are mentioned. Sample Practical outcome matrix is as follows



Data Structures Using 'C' (22317)

Practical- Course Outcome matrix

Course Outcomes (COs)

a. Perform basic operations on arrays.
b. Apply different searching and sorting techniques.
c. Implement basic operations on stack and queue using array representation.
d. Implement basic operations on Linked List.
e. Implement program to create and traverse tree to solve problems.

S. No.	Practical Outcome	CO a.	CO b.	CO c.	CO d.	CO e.
1.	Program to perform operations on array	√	-	-	-	-
2.	Search a data using linear search	-	√	-	-	-
3.	Search a data using binary search	-	√	-	-	-
4.	Program to sort an array using bubble sort	-	√	-	-	-
5.	Program to sort an array using selection sort	-	√	-	-	-
6.	Program to sort an array using insertion sort	-	√	-	-	-
7.	Perform push and pop operations on stack	-	-	√	-	-
8.	Perform insert and delete operations on linear queue using array	-	-	√	-	-
9.	Perform insert and delete operations on circular queue using array	-	-	√	-	-
10.	Perform operation on singly linked list	-	-	-	√	-
11.	Perform operation on circular singly linked list	-	-	-	√	-
12.	Perform traversing on binary search tree	-	-	-	-	√

2.2.4 Quality of Students Project & Report Writing: (35 MARKS)

2.2.4.A. Identification of project and allocation methodology (3)

1. Students are provided with brief idea of various fields for selecting the project ideas.
2. Students are motivated for selecting a project to solve a real life problem & to provide a feasible solution applying Computer Engineering Principles, Rules & regulations.
3. The list of previous year projects is displayed at notice board which ensures no repetition of project work and also encourages students to enhance the previous works
4. Formation of project group as per students' interest.
5. Group leaders are identified from the class on the basis of their interest.
6. The student's projects are tried to be selected in-line with department Mission, Vision and Program Outcomes. Project Guides are allotted as per students demand/by chit-pull method/based on the area of interest of student and/or project guide.
7. Display of student batch/group and guide allocation along-with project titles on notice board.

2.2.4.B. Types and relevance of the project and their contribution towards attainment of PO's and PSO's (5)

- The Current academic year projects are mapped to POs and PSOs. Each project is evaluated with internal marks and is graded according to their project quality and with their contribution to PO's.
- Project is selected such that they contribute towards attainment of Program objectives (POs) and Program specific objectives (PSOs)
- The projects undertaken by the students of Information Technology in the year 2019-20 are given in the following table which shows the relevance of projects towards the attainment of PO As per the selection criterion designed at the departmental level the projects are selected by the students based on available resources and the outcomes expected. Industry supported project ,study based projects are the broad categories of Project. The details are as per following table.
- The Current academic year projects are mapped to POs and PSOs. Each project is evaluated with internal marks and is graded according to their project quality and with their contribution PO's.
- Project is selected such that they contribute towards attainment of Program objectives (POs) and Program specific objectives (PSOs)
- The projects undertaken by the students of Information Technology in the year 2019-20 are given in the following table which shows the relevance of projects towards the attainment of PO As per the selection criterion designed at the departmental level the projects are selected by the students based on available resources and the outcomes expected. Industry supported project project, study based projects are the broad categories of Project.
- The details are as per following table

DEPARTMENT OF COMPUTER ENGINEERING
CAPSTONE PROJECT GROUP LIST

All students are hereby informed to contact your project guide and work as per instructions of project guide.

Sr. No.	Roll No.	Name of Group Members	Name of Guide
1	3305	SOLANKE KIRTI KESHAVAPPA	P. P. DESHPANDE
	3323	KADAM PALLAVI MAROTI	
	3325	KAMORE GAYATRI RAJU	
2	3328	KHANDARE NIYATI GULAB	P. L. SATORE
	3343	PANDEY RASHMI DAYANAND	
	3349	PUROHIT GAURI LAXMIKANT	
3	3303	TORNE LAXMAN DATTATARY	G. K. MANGNALE
	3304	CHAVAN AYADHUT UDDHAV	
	3319	GANGAJI SHUBHAM VIJAY	
4	3332	MASKE SHREYA PREM	P. S. PATIL
	3334	MUTKULE SHRADHA VAIJANATH	
	3348	TAWDE GAYATRI RAM	
5	3352	YARGATWAR DHIRAJ NAGNATH	P. S. PATIL
	3356	PURI VEDANT JAGANNATH	
	3357	SHINDE BHAGWAT DEVIDAS	
6	3302	JAGTAP ARTI GANPAT	G. K. MANGNALE
	3310	AVHAD NEHA GAJANAN	
	3317	GAIKWAD ANKITA HIRAMAN	
7	3308	SHINDE RAMESHWAR VISHWAMBHAR	P. L. SATORE
	3327	KANPUDE GOVIND VISHNU	
	3342	PALWADE VAIBHAV SUGRIV	
8	3351	RAUT VYANKATESH SANTOSH	P. L. SATORE
	3372	CHAMBALWAR MAYUR NARSHIN	
	3373	PAPPULWAR SANDIP SANJAY	

2.2.4.C. Process for monitoring and evaluation (5)

- Process of monitoring and evaluation is solely based on MSBTE CIAAN 2017 guidelines. The project is divided into various stages or chapters and scheduling is done as per the project plan. All the project students should meet their respective guide weekly once during allotted time slot in time table, and asked to submit their progress they have done in their project for that particular After every stage / chapter completion, they should submit project progress report weekly once and get it approved by their respective guides.
- The project guides will evaluate the report submitted by the students and help them carry on with project work. Progressive assessment of various stages is done and transparency and fair p is ensured.
- Capstone Project Planning course related to project planning and allocation of fifth semester is evaluated for 50 marks out of which 25 marks are for the progressive assessment and 2 semester examination.
- Capstone Project Execution course related to actual project implementation in sixth semester is evaluated for 100 marks out of which 50 marks are for the progressive assessment and 5 semester examination

2.2.4.D. Process to assess individual and team performance (5)

- Projects are performed in groups.
- Every project group works under project supervisor.
- In order to ensure fair assessment of project work and to identify contribution of every individual in getting the desired outcomes of the project, every student is asked to prepare a small presentation related to his/her project.
- Team performance is judged by arranging departmental project competitions
- Students are asked to participate in state level project competitions, DIPEX project competitions and various competitions organized by MSBTE affiliated/university institutions

Philosophy of Student Assessment: (I-Scheme)

The outcomes mentioned in the curriculum document are to be achieved through proper implementation of the curriculum. During implementation of the curriculum, various methods of instructions are used to accomplish learning outcomes. The attainment of students learning outcomes is measured through well-defined assessment processes and tools. The regular feedback from students will be useful to improve the teaching learning philosophy.

Minor and Major projects are introduced at the fifth and sixth semester of the diploma Program. For *Minor* and *Major Projects,* in addition to project report, student needs to prepare a portfolio for his/her attainment of expected graduate attributes. A sample portfolio format with suggestive questionnaire shall be provided by respective department. The above mentioned portfolio would help student in self-assessment which ultimately lead to acquaintance of skill sets for holistic development.

The progressive assessment of project works will be carried out at three stags namely:

- Planning (during 4th to 5th week)
- Partial/mid execution (during 10th to 12th week)
- At completion stage (during 14th to 16th week)

Norms for Assessment (Practical)

a. Progressive Assessment of Practical: Each experiment / assignment / Sheet / Job / Project shall be assessed continuously and the marks of continuous assessment shall be converted into final marks as per Proforma D3 by the course teacher.

b. End Semester Examinations Assessment of Practical: The ESE assessment of practical work is done either by internal examiner per T.E scheme of MSBTE. Proforma D4 shall be used for the ESE of practical work.

2.2.4.E. Quality of deliverable, working prototypes (12)

- Project guide / teaching staff encourage students to participate in project competition. The project exhibition is aimed to provide common platform to exhibit innovations and work towards technology.
- Projects are categorized as web based, application based, hardware based etc. Quality analysis is carried out for the completed projects based on innovation, product development, presentation, problem-solving approach etc.
- Working prototypes of most excellent projects are kept in department to encourage students and inspire juniors.

2.2.4.F. Papers published/Awards/Recognition received by projects at State/National level (5)

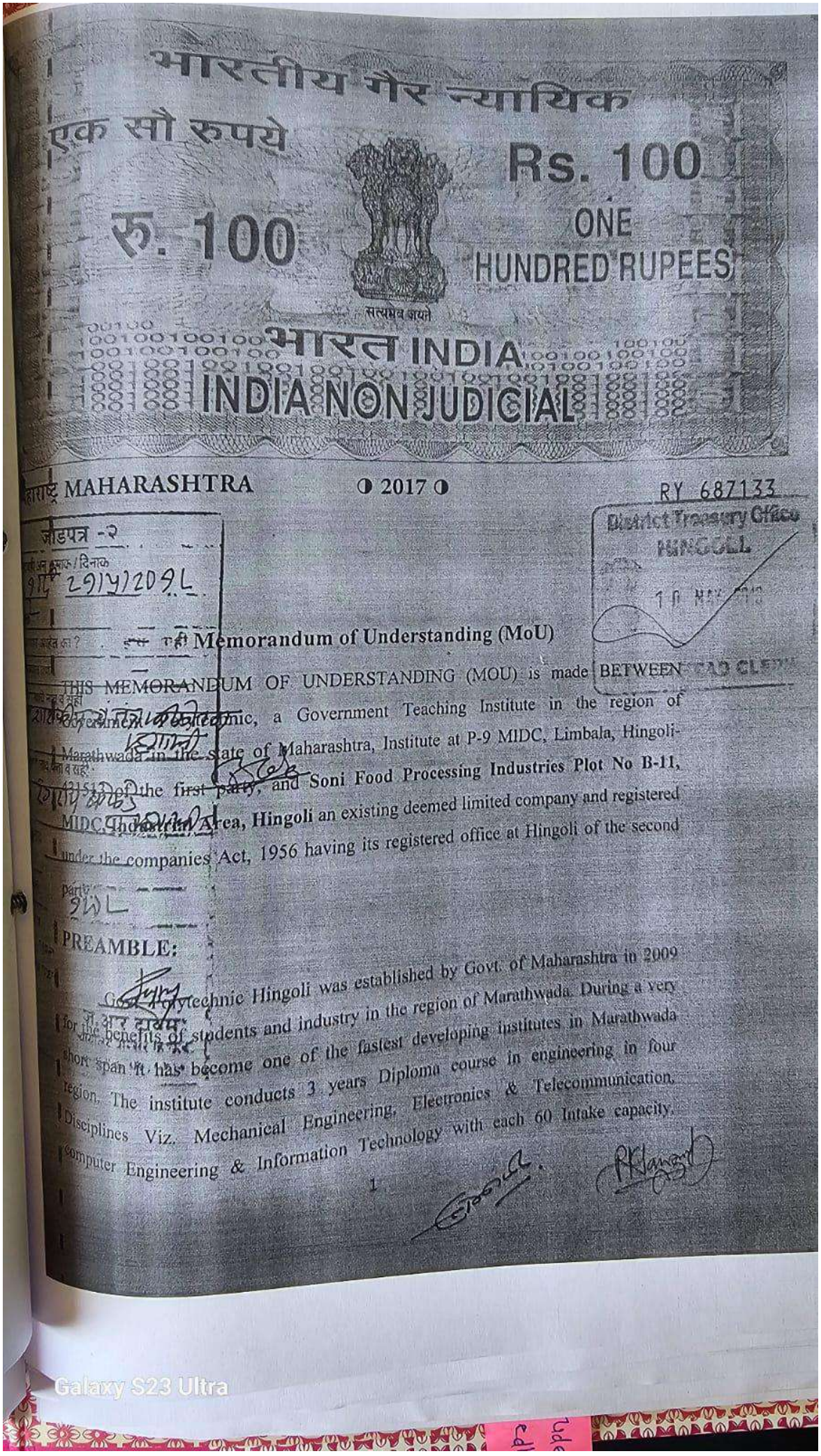
Students are encouraged to publish their project work in State Level Conferences / Exhibitions etc. They are also made aware about Journal Paper Writing Skills / Poster presentation etc. following Table 8 shows the participation of students in State / National

2.2.5. Industry interaction and Community Services (30)

2.2.5.A. Industry supported Labs (02)

Institute is situated at long distance from IT industrial belt. Department is developing laboratories with high configuration PCs which support latest technology. Although industry supported institute, experts from industry are invited to interact with students and faculty. Experts from industries are invited to conduct expert lectures for the students on the recent and forthcoming technologies and also on the application of course relevant topic in industry. MSBTE also supports in this venture by arranging industrial training for faculty members. Industrial visits for students and faculty. Students are also deputed to undergo short duration industrial training (1 to 6 weeks) preferably in vacation period during second/third year of study as per MSBTE directions. Scheme curriculum of MSBTE industrial training for students is made mandatory to develop professional skills in the students.

- To further strengthen industry institute interaction department has signed Memorandum of Understanding (MOUs) with few industries for the benefits of stakeholder in general.


भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100

ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2017 ◑

RY 687133

District Treasury Office HINGOLI

10 MAY 2018

जोडपत्र -२

दिनांक 29/4/2019

Memorandum of Understanding (MoU)

THIS MEMORANDUM OF UNDERSTANDING (MOU) is made BETWEEN Government Polytechnic, a Government Teaching Institute in the region of Marathwada in the state of Maharashtra, Institute at P-9 MIDC, Limbala, Hingoli-431513 of the first party, and **Soni Food Processing Industries Plot No B-11, MIDC Industrial Area, Hingoli** an existing deemed limited company and registered under the companies Act, 1956 having its registered office at Hingoli of the second party.

PREAMBLE:

Govt. Polytechnic Hingoli was established by Govt. of Maharashtra in 2009 for the benefits of students and industry in the region of Marathwada. During a very short span it has become one of the fastest developing institutes in Marathwada region. The institute conducts 3 years Diploma course in engineering in four Disciplines Viz. Mechanical Engineering, Electronics & Telecommunication, Computer Engineering & Information Technology with each 60 Intake capacity.

1

शासकीय तंत्रनिकेतन,हिंगोली ४३१ ५१३
पी - ९ एम.आय.डी.सी. लिंबाळा
फोन नं.(०२४५६) २४८०४२ Email:govtpolyhingoli@yahoo.com

Memorandum of Understanding (MoU)

THIS MEMORANDUM OF UNDERSTANDING (MOU) is entered into on this the 20 day of August 2019, for organizing the entrepreneurship development activities by and between

Maharashtra Centre for Entrepreneurship Development (MCED), is an autonomous society working under Directorate of Industries, Government of Maharashtra at Administrative Building, 2nd floor Collector office, district Industry Centre Hingoli-431513 of the first party.

And

Government Polytechnic Hingoli, a Government Institute in the region of Marathwada in the state of Maharashtra, Institute at P-9 MIDC, Limbala, Hingoli-431513 of the second party.

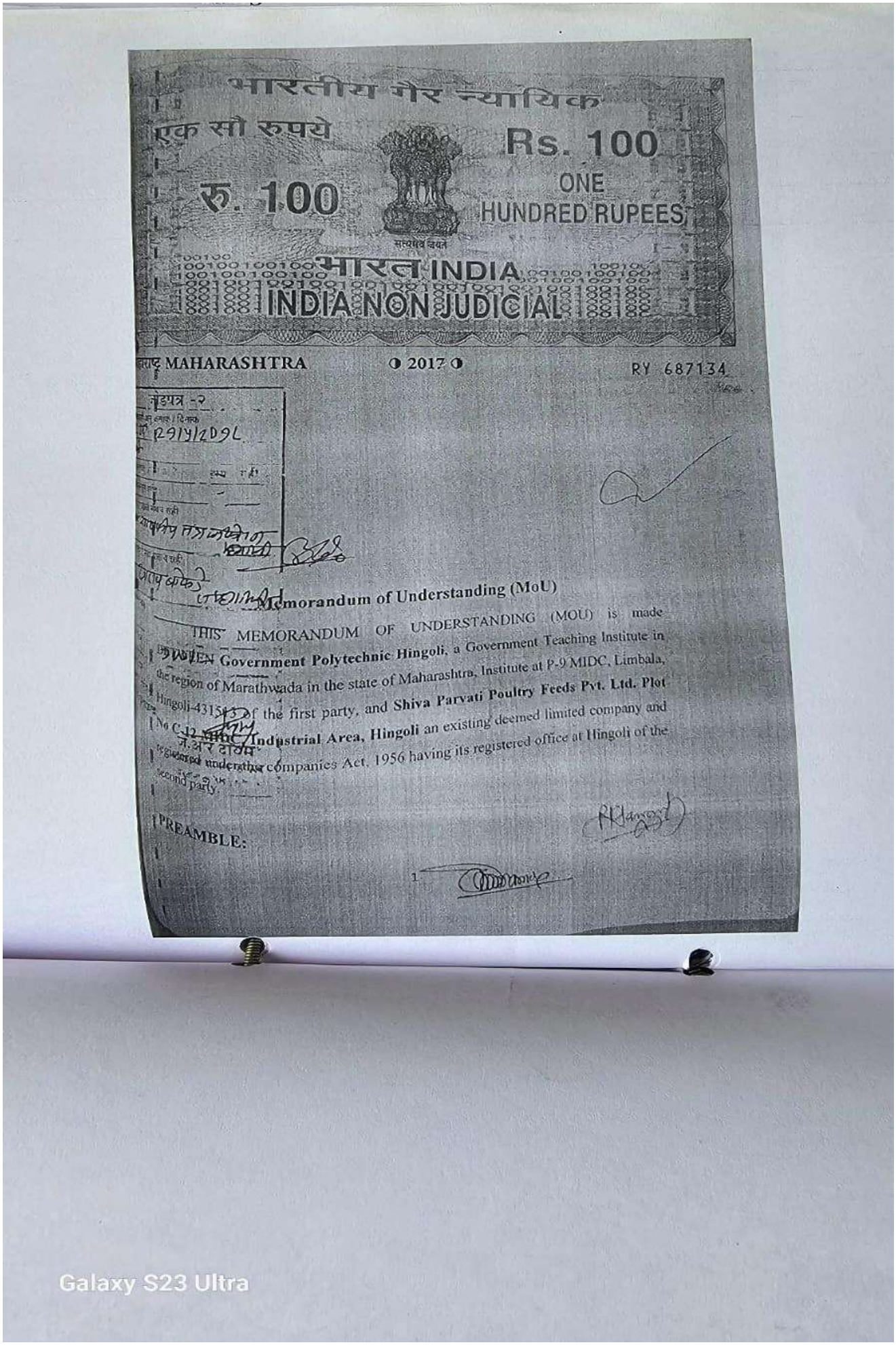
PREAMBLE:

The Maharashtra Centre for Entrepreneurship Development is an autonomous society working under Directorate of Industries, Government of Maharashtra. It is an ISO 9001:2008 certified Organization. MCED has been a pioneer in espousing social & economic entrepreneurship since 1988. It is a training institute in the core area of entrepreneurship development. It works as a facilitator & guide for the creation & cultivation of the entrepreneurial spirit in the society.

Govt. Polytechnic Hingoli was established by Govt. of Maharashtra in 2009 for the benefits of students and industry in the region of Marathwada. During a very short span it has become one of the fastest developing institutes in Marathwada region. The institute conducts 3 years Diploma course in engineering in four Disciplines Viz. Mechanical Engineering, Electronics & Telecommunication, computer Engineering & Information Technology.

The institute has well set infrastructure facilities including spacious building and well equipped laboratories, conference hall, virtual learning centre etc. The institute is rich in modern and sophisticated instruments and equipments like PLC, Modular Production System, CNC & Lathe etc.

At present institute have sufficient well qualified and experienced faculties. The faculty is highly motivated to carry out the research related to the industrial project since most of the faculties have completed their industrial training.


भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100

ONE HUNDRED RUPEES

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भारत INDIA

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2017 ◑ RY 687134

नोंदपत्र -२

R91912D9L

Memorandum of Understanding (MoU)

THIS MEMORANDUM OF UNDERSTANDING (MOU) is made BETWEEN **Government Polytechnic Hingoli**, a Government Teaching Institute in the region of Marathwada in the state of Maharashtra, Institute at P-9 MIDC, Limbala, Hingoli-431513 of the first party, and **Shiva Parvati Poultry Feeds Pvt. Ltd. Plot No C-12 MIDC Industrial Area, Hingoli** an existing deemed limited company and registered under the companies Act, 1956 having its registered office at Hingoli of the second party.

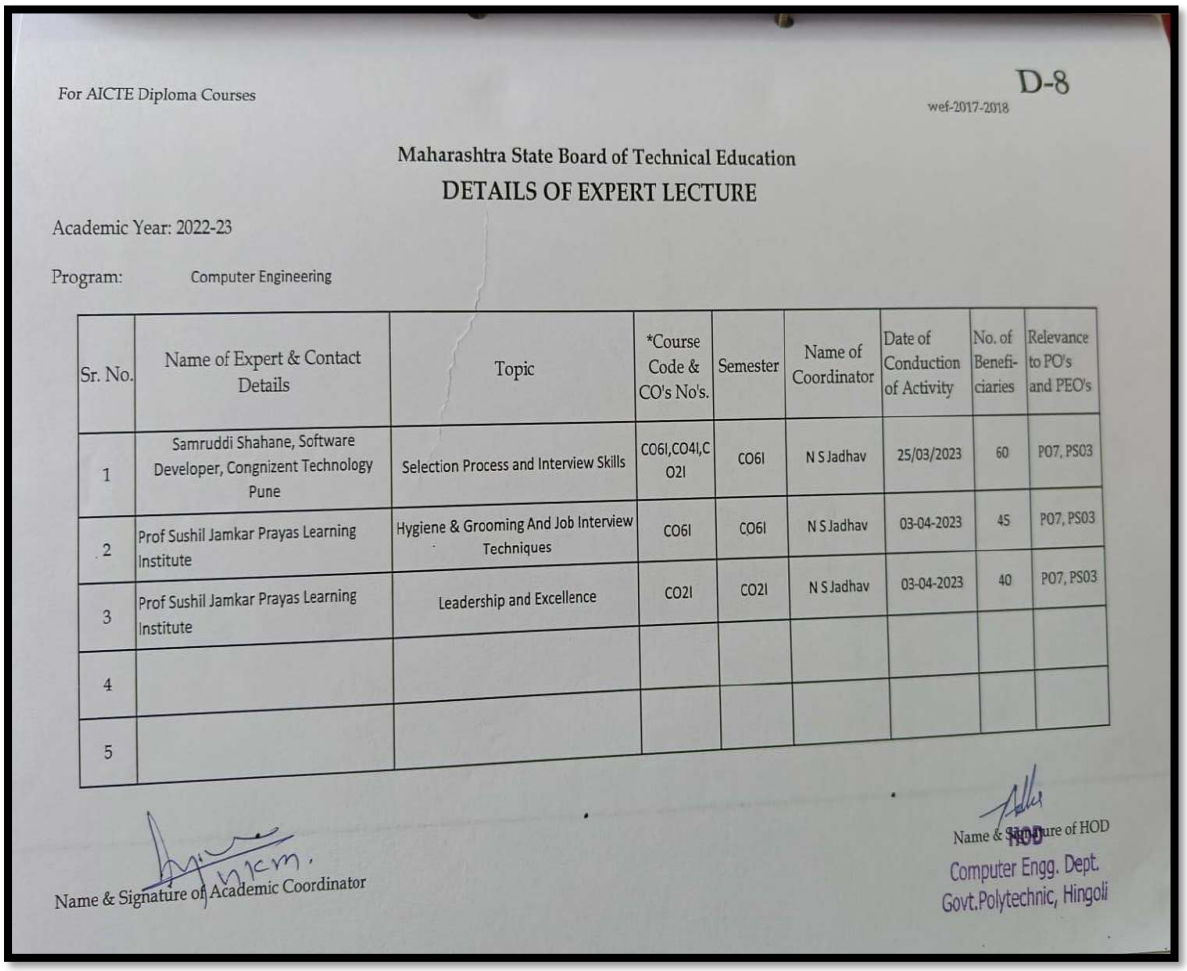
PREAMBLE:

1

2.2.5.B. Delivery of appropriate Course work by Industry experts (05)

Delivery of course work and its co-related components is done by various industry experts in the form of Workshops and Experts lectures which are as mentioned in Table below –

Table - Workshops and Experts lectures by industry expert



For AICTE Diploma Courses

D-8

wef-2017-2018

Maharashtra State Board of Technical Education

DETAILS OF EXPERT LECTURE

Academic Year: 2022-23

Program: Computer Engineering

Sr. No.	Name of Expert & Contact Details	Topic	*Course Code & CO's No's.	Semester	Name of Coordinator	Date of Conduction of Activity	No. of Benefi-ciaries	Relevance to PO's and PEO's
1	Samruddi Shahane, Software Developer, Congnizent Technology Pune	Selection Process and Interview Skills	CO6I,CO4I,CO2I	CO6I	N S Jadhav	25/03/2023	60	PO7, PS03
2	Prof Sushil Jamkar Prayas Learning Institute	Hygiene & Grooming And Job Interview Techniques	CO6I	CO6I	N S Jadhav	03-04-2023	45	PO7, PS03
3	Prof Sushil Jamkar Prayas Learning Institute	Leadership and Excellence	CO2I	CO2I	N S Jadhav	03-04-2023	40	PO7, PS03
4								
5								

Name & Signature of Academic Coordinator

Name & Signature of HOD

HOD

Computer Engg. Dept.

Govt.Polytechnic, Hingoli

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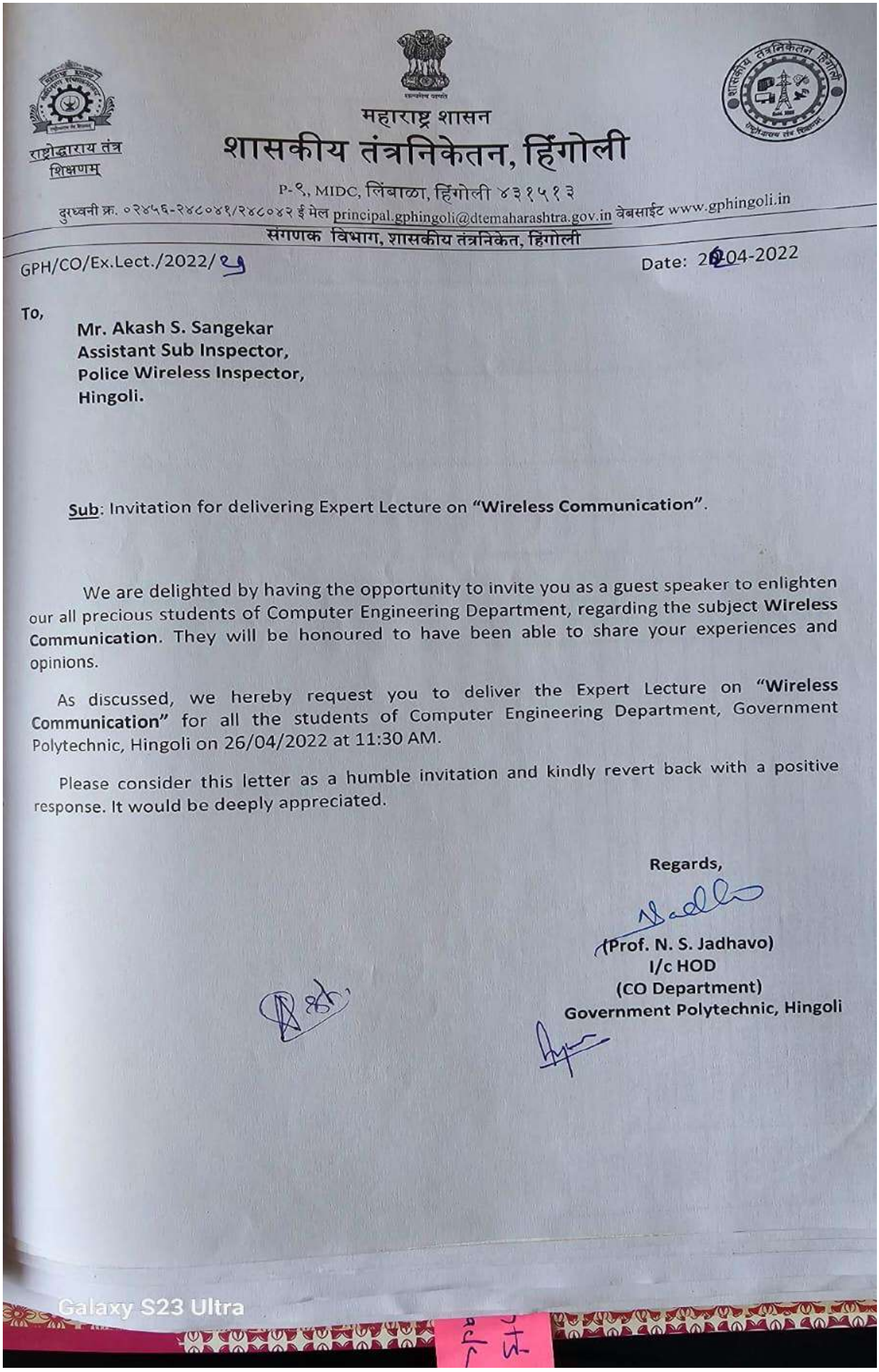


महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

राष्ट्रोद्धाराय तंत्र शिक्षणम्

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३
दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट www.gphingoli.in

संगणक विभाग, शासकीय तंत्रनिकेत, हिंगोली

GPH/CO/Ex.Lect./2022/२५ Date: 20-04-2022

To,

Mr. Akash S. Sangekar
Assistant Sub Inspector,
Police Wireless Inspector,
Hingoli.

Sub: Invitation for delivering Expert Lecture on **"Wireless Communication"**.

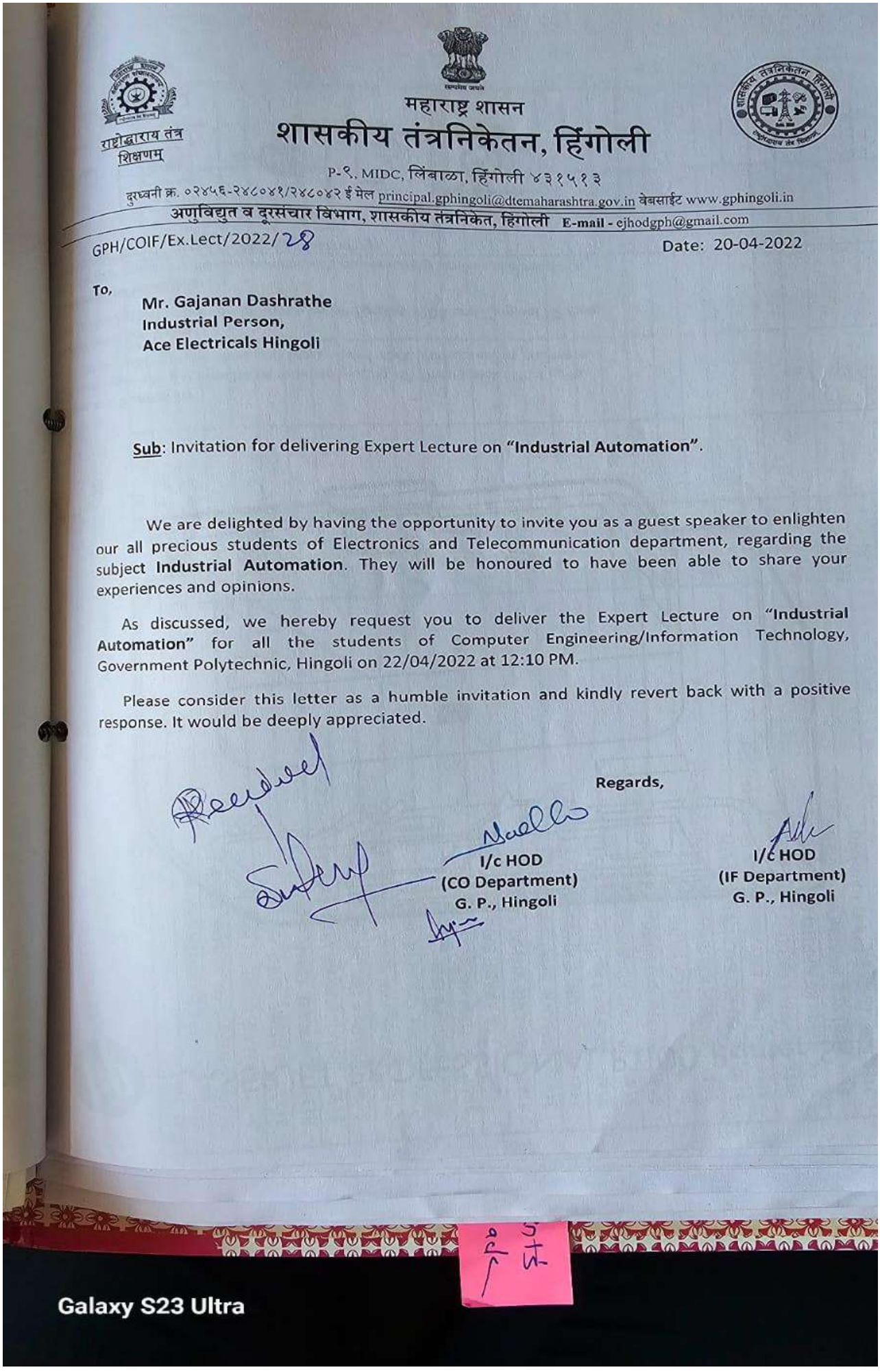
We are delighted by having the opportunity to invite you as a guest speaker to enlighten our all precious students of Computer Engineering Department, regarding the subject **Wireless Communication**. They will be honoured to have been able to share your experiences and opinions.

As discussed, we hereby request you to deliver the Expert Lecture on **"Wireless Communication"** for all the students of Computer Engineering Department, Government Polytechnic, Hingoli on 26/04/2022 at 11:30 AM.

Please consider this letter as a humble invitation and kindly revert back with a positive response. It would be deeply appreciated.

Regards,

(Prof. N. S. Jadhavo)
I/c HOD
(CO Department)
Government Polytechnic, Hingoli



महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

राष्ट्रोद्धाराय तंत्र शिक्षणम्

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३
दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट www.gphingoli.in
अणुविद्युत व दूरसंचार विभाग, शासकीय तंत्रनिकेत, हिंगोली E-mail - ejhodgph@gmail.com

GPH/COIF/Ex.Lect/2022/28

Date: 20-04-2022

To,

Mr. Gajanan Dashrathe
Industrial Person,
Ace Electricals Hingoli

Sub: Invitation for delivering Expert Lecture on **"Industrial Automation"**.

We are delighted by having the opportunity to invite you as a guest speaker to enlighten our all precious students of Electronics and Telecommunication department, regarding the subject **Industrial Automation**. They will be honoured to have been able to share your experiences and opinions.

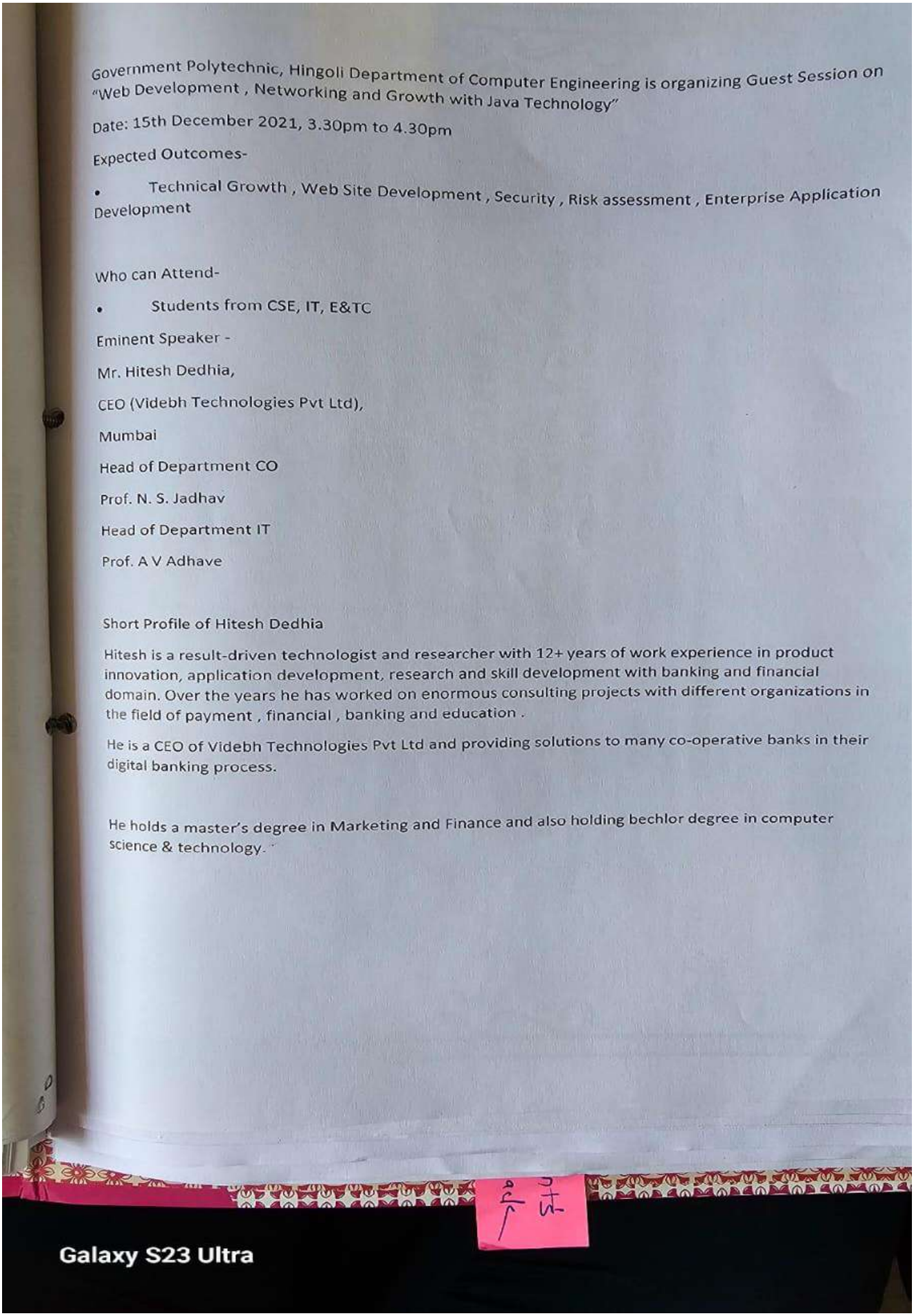
As discussed, we hereby request you to deliver the Expert Lecture on **"Industrial Automation"** for all the students of Computer Engineering/Information Technology, Government Polytechnic, Hingoli on 22/04/2022 at 12:10 PM.

Please consider this letter as a humble invitation and kindly revert back with a positive response. It would be deeply appreciated.

Regards,

I/c HOD
(CO Department)
G. P., Hingoli

I/c HOD
(IF Department)
G. P., Hingoli



Government Polytechnic, Hingoli Department of Computer Engineering is organizing Guest Session on "Web Development , Networking and Growth with Java Technology"

Date: 15th December 2021, 3.30pm to 4.30pm

Expected Outcomes-

- Technical Growth , Web Site Development , Security , Risk assessment , Enterprise Application Development

Who can Attend-

- Students from CSE, IT, E&TC

Eminent Speaker -

Mr. Hitesh Dedhia,

CEO (Videbh Technologies Pvt Ltd),

Mumbai

Head of Department CO

Prof. N. S. Jadhav

Head of Department IT

Prof. A V Adhave

Short Profile of Hitesh Dedhia

Hitesh is a result-driven technologist and researcher with 12+ years of work experience in product innovation, application development, research and skill development with banking and financial domain. Over the years he has worked on enormous consulting projects with different organizations in the field of payment , financial , banking and education .

He is a CEO of Videbh Technologies Pvt Ltd and providing solutions to many co-operative banks in their digital banking process.

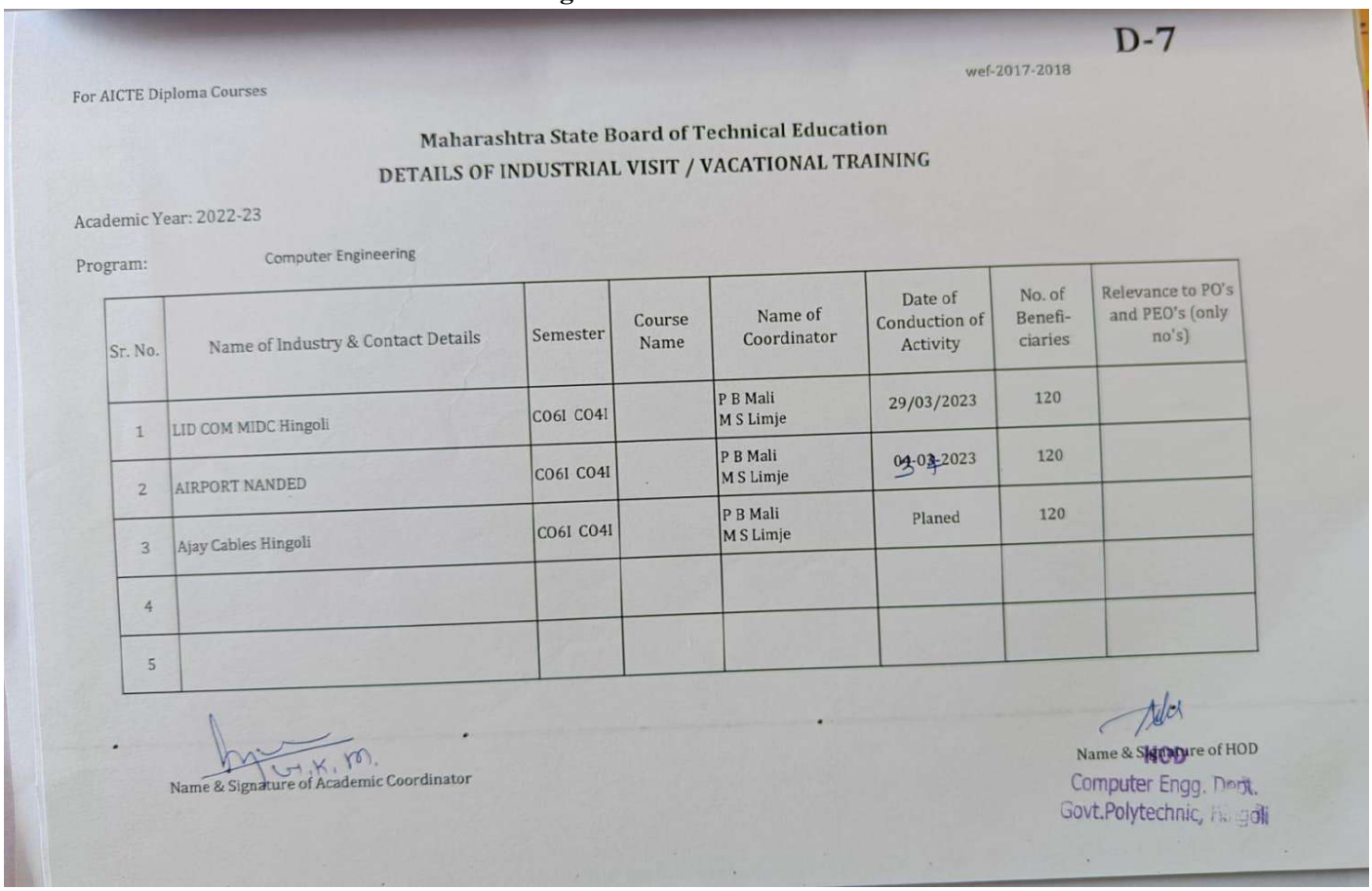
He holds a master's degree in Marketing and Finance and also holding bechlor degree in computer science & technology.

Galaxy S23 Ultra

2.2.5.C. Industrial visits/tours for students (03)

Co-relation and demonstration of theory and practical aspects of different course related concepts is done by organizing various industrial visits and tours which are as mentioned in Table below –

Table - Visits/Tours organized in different sectors of industries



D-7

wef-2017-2018

For AICTE Diploma Courses

Maharashtra State Board of Technical Education

DETAILS OF INDUSTRIAL VISIT / VACATIONAL TRAINING

Academic Year: 2022-23

Program: Computer Engineering

Sr. No.	Name of Industry & Contact Details	Semester	Course Name	Name of Coordinator	Date of Conduction of Activity	No. of Benefi-ciaries	Relevance to PO's and PEO's (only no's)
1	LID COM MIDC Hingoli	C06I C04I		P B Mali M S Limje	29/03/2023	120	
2	AIRPORT NANDED	C06I C04I		P B Mali M S Limje	04-03-2023	120	
3	Ajay Cables Hingoli	C06I C04I		P B Mali M S Limje	Planed	120	
4							
5							

Name & Signature of Academic Coordinator

Name & Signature of HOD

Computer Engg. Dept.
Govt.Polytechnic, Hingoli

श्री गुरु गोविंद सिंघ जी हवाई अड्डा, नांदेड़.
Date : 03/04/2023
D-7

EXIT

राष्ट्रोद्धाराय तंत्र शिक्षणम्

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३
दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in
वेबसाईट www.gphingoli.in
संगणक अभियांत्रिकी विभाग, शासकीय तंत्रनिकेत, हिंगोली E-mail – jadhaonilesh@gmail.com

Outward No. GPH/CO Dept./Industrial Visit/2021-22/01

Date: 10/05/2022

To

Manager,

Lidcom Industry, Hingoli

Subject:- Regarding Industrial Visit.

Respected sir,

As you may be aware Government polytechnic, Hingoli is one of the most reputed polytechnic institutions in Maharashtra and known for its excellent records in academic and co curricular activities. The college offers diploma course in EJ, CSE, IT and Mechanical.

As a part of curriculum, the students are requiring to undertake industrial visit to a few industries of repute. We feel it will be fruitful that the student with academic background has a glimpse of the industry in order to have a better appreciation of practical application of theory.

In the above background, we would like to send a batch of about 57 student of **Computer Engineering dept.** accompanied by Two staff members to visit your esteemed institute preferable on date: 11/05/2022

I request you, too kindly occurred the necessary permission for the above visit and arrange for guiding the student.

We assure you that our student will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be great full for a favorable response.

Thanking you.

Received
Khandare
10/5/2022
N.S.KHANDARE
Manager, FPC Hingoli

Yours Faithfully

HOD CO Department
Government Polytechnic Hingoli.

Government Polytechnic Hingoli
Computer Engineering Dept.
Attendance Industrial Visit-2021-22

Class-CO6I **Date:-** 11/05/22

Roll No	Full Name	
3101	SAHIL RAMESH BHAGWAT	
3102	JADHAV NARESH GULAB	
3103	CHAME PRATIKSHA NILKANT	
3104	KADAM POOJA RAMESHWAR	
3105	SHAIKH SADIYA SK. JAINODDIN	
3106	GOUTAM ANJALI SATISH	
3107	SINHA NIKITA VINAY	
3108	MUNGAL VISHAL PURBHAJI	
3109	PATANGE KARAN PANDURANG	
3110	KUKADE PRATHAMESH SATISH	
3111	JOSHI DISHA ARVIND	D.A.Joshi
3112	SK MUSADIQ AHMED SK MD MATEEN BAGWAN	
3113	OMKAR BALAJI AMBARKHANE	
3114	KHETRE MAHARUDAR MADHUKAR	
3115	AKHARE ROHAN PANDURANG	Rohan
3116	PETKAR SUMIT SUDHAKAR	
3117	BELLORE KAPIL SHAMKUMAR	
3118	NAVALE YASH SURESH	
3119	KALYANKAR RAOSAHEB SAMBHAJI	
3120	BEDARKAR SHANTANU S	Shantanu
3121	RAUT KARAN MUNGASAJI	
3122	ARGE PAVANI GANGADHAR	
3123	PANADWAR SHRADDHA SHANKAR	Shraddha
3124	PATIL VAISHNAVI BALAJI	
3125	KHANDAGALE SANTOSH GANESH	
3126	SHELKE NIRANJAN ATMARAM	
3127	YARGATWAR NEHA GANGAPRASAD	Neha
3128	RAKSHALE ABHISHEK VITTHAL	

All above mentioned students has visited our Lindcom Industry on 11/05/2022.

Khandare
Footwear Production Center
LIDCOM. Hingoli
11/5/2022

2.2.5.D Industrial training / internship (5)

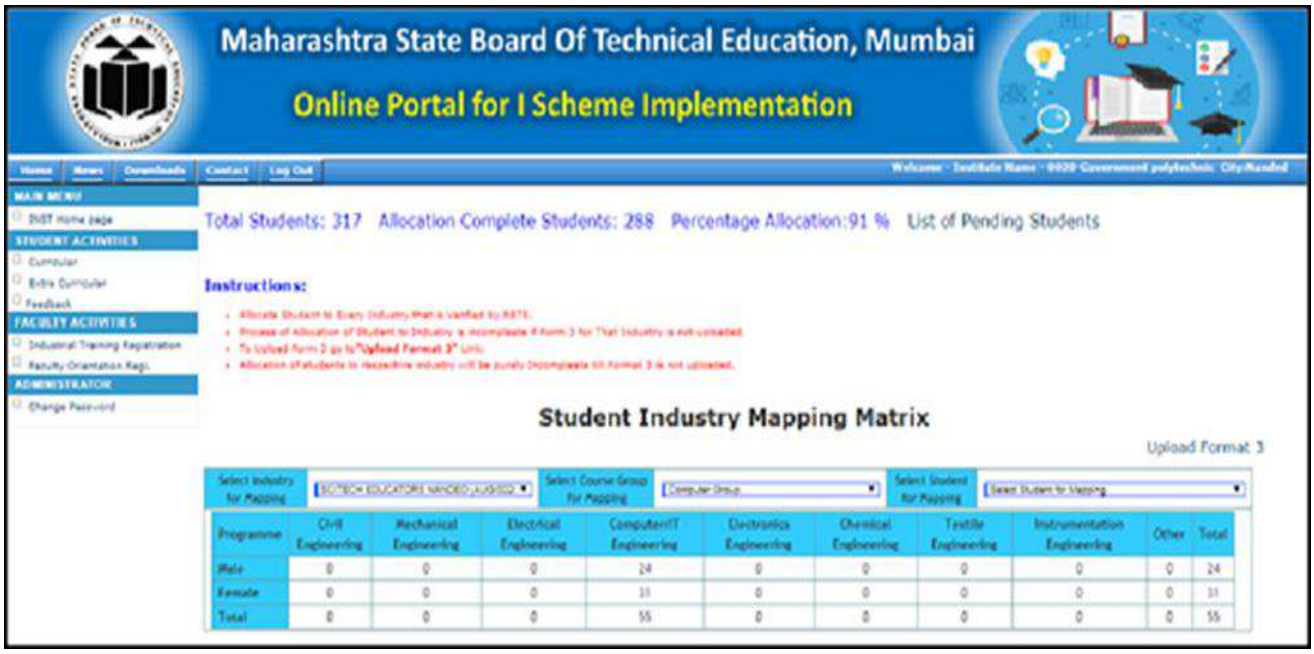
(Marks to be given proportionately i.e. 100% student attended =05 Marks; 90% students attended = 04, Marks and so on…)

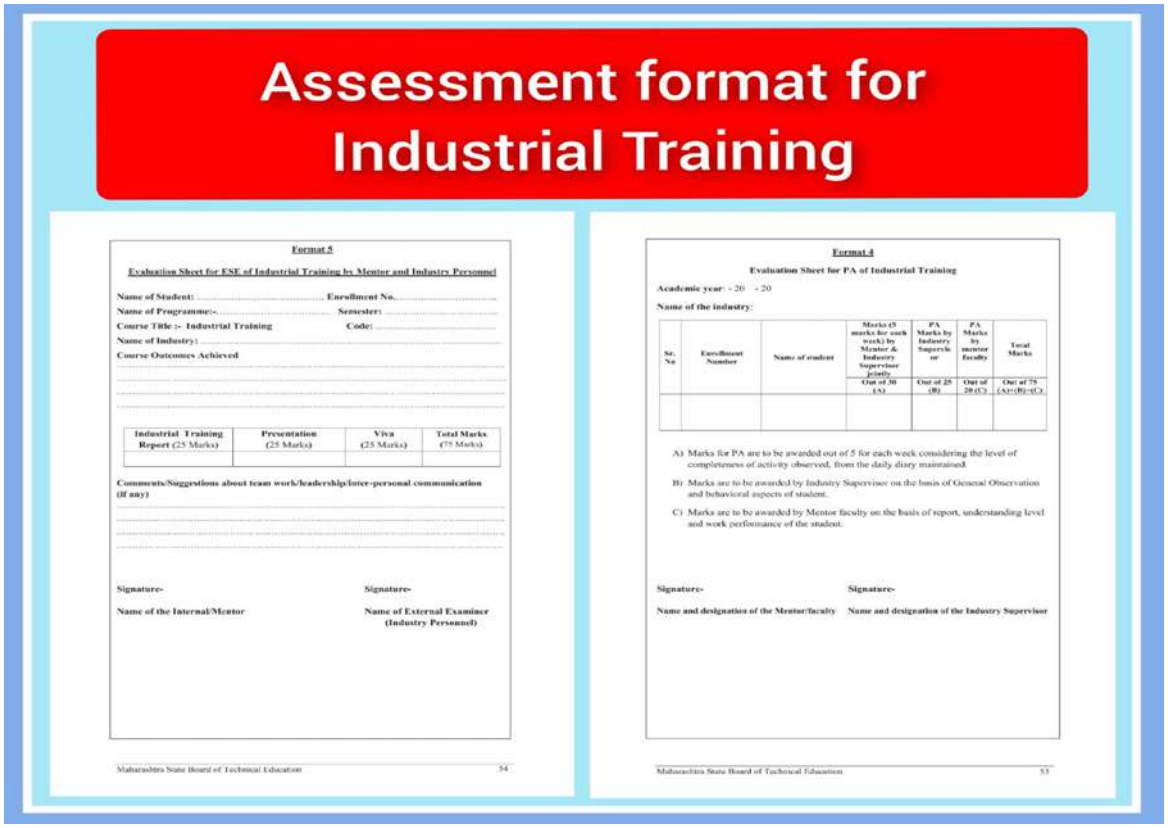
In revised curriculum of MSBTE I scheme Industrial Training of six weeks is made compulsory to each student. Hence industry where students can get internship vicinity of city is done by all faculty of department. Continuous interaction with various industries is important aspect of this process.

Identified industries are then conveyed to MSBTE for student allocation after the completion of fourth semester of curriculum. Industrial training is implemented during the fourth and fifth semester for six weeks.

Students are allocated with various industries to complete these six weeks of industrial training. This process is monitored by mentors and industry expert during the week training diary is prepared by each student to marks daily activities and routine procedure followed.

Allocation of students to various industries is as follows





2.2.5.E. Post training / internship Assessment (10)

"One needs the experience to get experienced." This is one of the main concerns that the diploma pass-outs come across today while they are ready to enter the workforce. This is the time when the significance of summer training comes into the scene.

Six weeks summer industrial training is compulsory part of I-scheme curriculum, which provides the emerging diploma pass-outs a hands-on-experience for applying their knowledge on the live projects in order to develop professional skills. Process followed for said industrial training is as follows -

- MOU's are signed with different sectors of industries.
- Students are given freedom to select industry of their interest.
- Faculty member is allotted as Mentor to a group of students of same industry.
- Mentors observe activities of the students at assigned industry weekly and local industry supervisor assigned to them by industry itself observe activities of the students at assigned industry daily.
- After completion of training students prepare their training report.
- Students present their training work and training experience in the final presentation.
- Internal evaluation of progressive assessment of industrial training is done jointly by the faculty mentor and industry supervisor as per the prescribed Format 4.
- An industry person is appointed as an external for assessment of said industrial training in Format 5.
- Complete evaluation cum assessment report is communicated to the MSBTE.

Course curriculum details and formats for assessment of industrial training is given below -

Format 4

Evaluation Sheet for PA of Industrial Training

Academic year: - 20 - 20

Name of the industry:

Sr. No	Enrollment Number	Name of student	Marks (5 marks for each week) by Mentor & Industry Supervisor jointly	PA Marks by Industry Supervisor	PA Marks by mentor faculty	Total Marks
			Out of 30 (A)	Out of 25 (B)	Out of 20 (C)	Out of 75 (A)+(B)+(C)

A) Marks for PA are to be awarded out of 5 for each week considering the level of completeness of activity observed, from the daily diary maintained.

B) Marks are to be awarded by Industry Supervisor on the basis of General Observation and behavioral aspects of student.

C) Marks are to be awarded by Mentor faculty on the basis of report, understanding level and work performance of the student.

Signature-

Name and designation of the Mentor/faculty

Signature-

Name and designation of the Industry Supervisor

Format 5

Evaluation Sheet for ESE of Industrial Training by Mentor and Industry Personnel

Name of Student: ..... **Enrollment No.**.....

Name of Programme:-..... **Semester:** .....

Course Title :- Industrial Training **Code:** .....

Name of Industry: .....

Course Outcomes Achieved

.....

.....

.....

.....

Industrial Training Report (25 Marks)	Presentation (25 Marks)	Viva (25 Marks)	Total Marks (75 Marks)

Comments/Suggestions about team work/leadership/inter-personal communication (if any)

.....

.....

.....

.....

Signature- **Signature-**

Name of the Internal/Mentor **Name of External Examiner (Industry Personnel)**

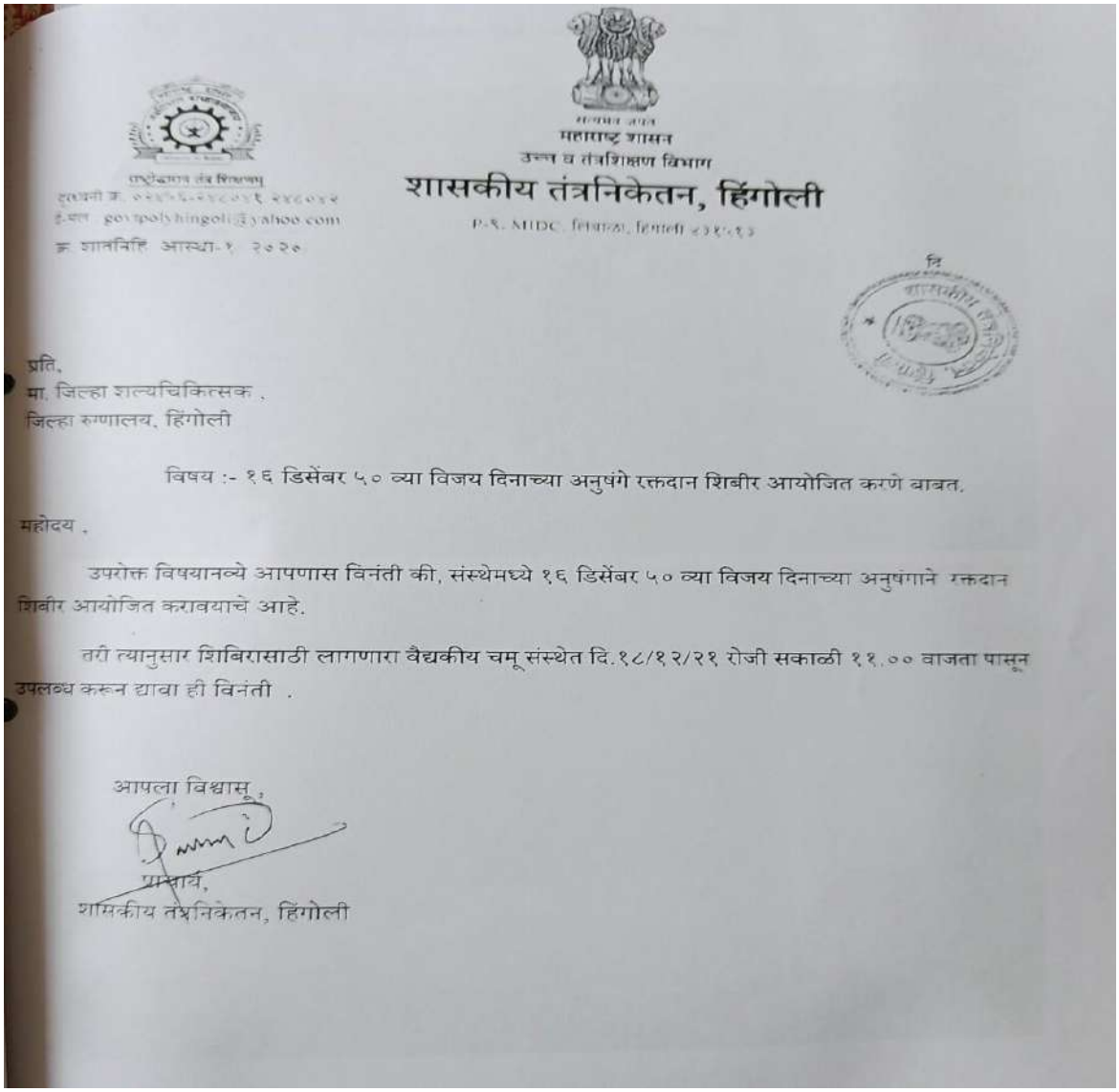
2.2.5.F. Contribution to Community related projects/activities (05)

Department is active for contribution to community and related projects/activities whose details are as mentioned in the Table which is given below -

Table - Summary of contribution to community and related projects/activities

Sr. No.	Name of Project / Activity	Remarks
1	School connect	Contributed by HOD & faculties as a team member of committee
2	Tree plantation	Organized & contributed by HOD & faculties & students as a team
3	Oxygen audit	Contributed by HOD/faculty as a team member of committee
4	COVID vaccination camp	Contributed by HOD & faculties as a motivating team member
5	Blood Donation Camp	Co-ordinated by one of the faculty of department
6	Cleanliness Campaign	Organized and contributed by HOD, all faculty members and students of department

Blood Donation Camp



महाराष्ट्र शासन
उच्च व तंत्रशिक्षण विभाग
शासकीय तंत्रनिकेतन, हिंगोली

प्रति,
मा. जिल्हा शल्यचिकित्सक ,
जिल्हा रुग्णालय, हिंगोली

विषय :- १६ डिसेंबर ५० व्या विजय दिनाच्या अनुषंगे रक्तदान शिबीर आयोजित करणे बाबत.

महोदय ,

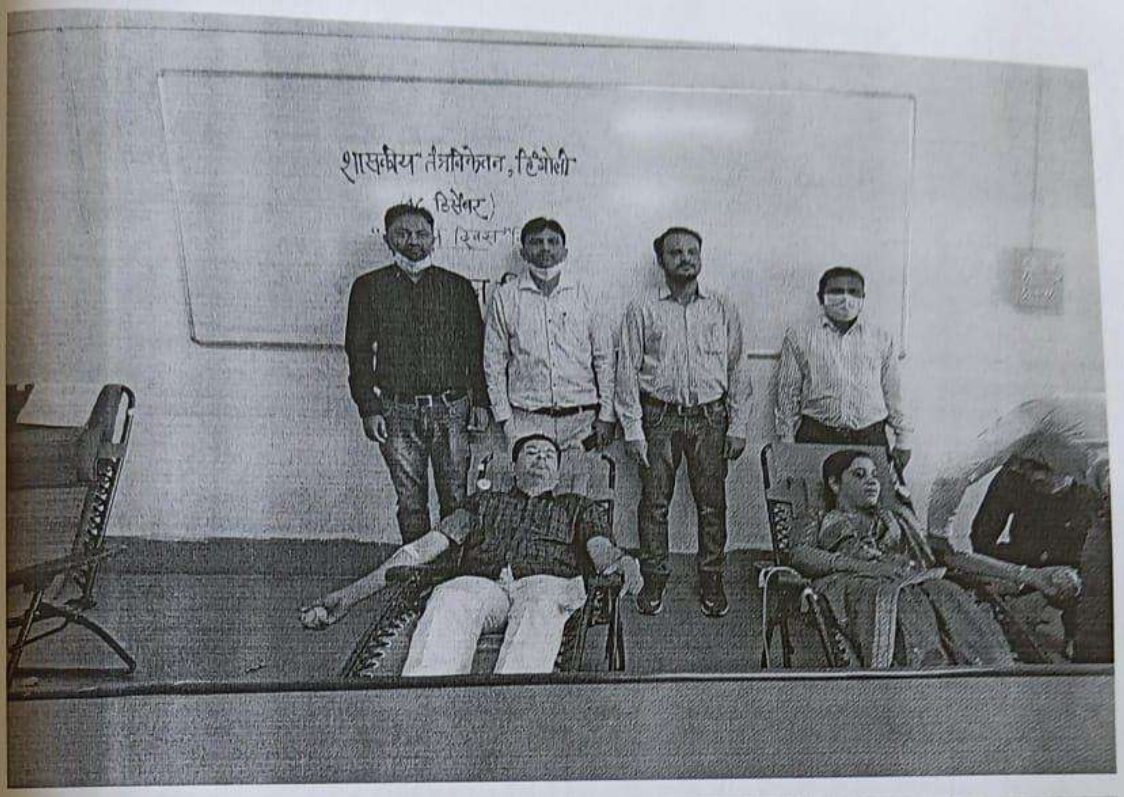
उपरोक्त विषयानव्ये आपणास विनंती की, संस्थेमध्ये १६ डिसेंबर ५० व्या विजय दिनाच्या अनुषंगाने रक्तदान शिबीर आयोजित करावयाचे आहे.

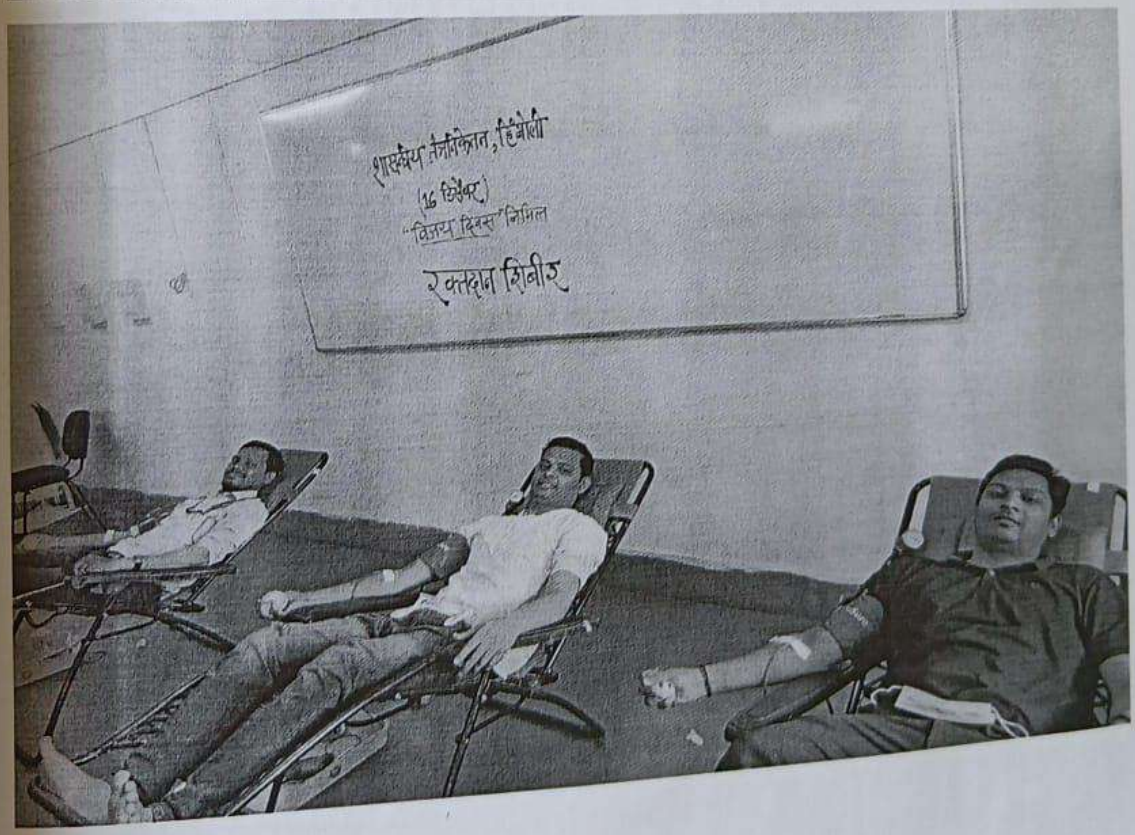
तरी त्यानुसार शिबिरासाठी लागणारा वैद्यकीय चमू संस्थेत दि.१८/१२/२१ रोजी सकाळी ११.०० वाजता पासून उपलब्ध करून द्यावा ही विनंती .

आपला विश्वासू,

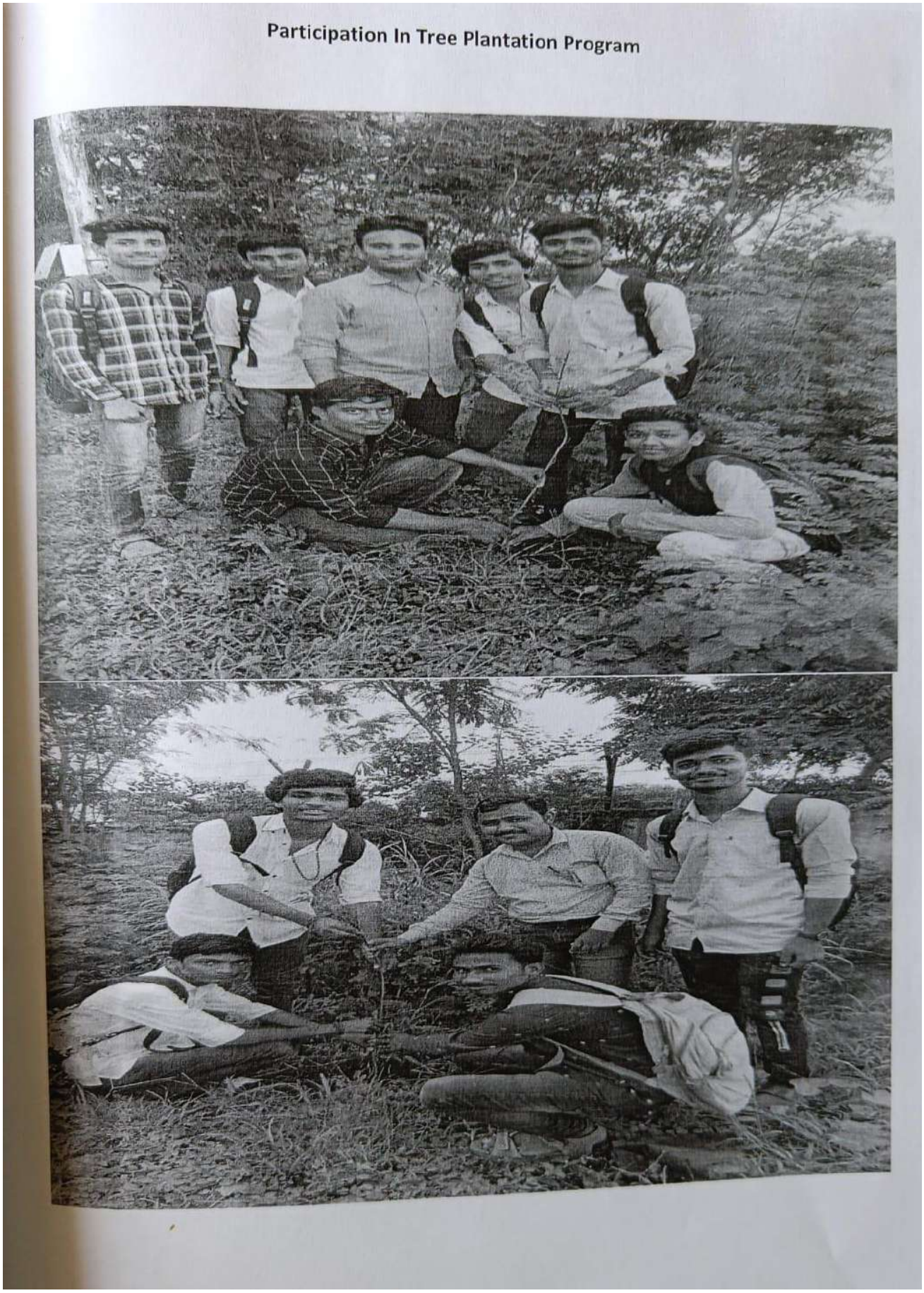
प्राचार्य,
शासकीय तंत्रनिकेतन, हिंगोली

Participation In Blood Donation Camp





Tree Plantation



महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, एम.आय.डी.सी, लिंबाळा, हिंगोली ४३१५१३

दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल - principal.gphingoli@dtemaharashtra.gov.in वेबसाईट - www.gphingoli.in

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जा.क्र.शातंनिहिं/आस्था-१/स्कूल कनेक्ट/२०२१/१२३७ दि. ०१.०१.२०२२

कार्यालयीन आदेश,

संदर्भ: मरातंशिमं/प्राकाओ/स्टेनो/डी-४०/२०२१/९८३ दि.२१/१२/२०२१.

संस्थेतील सर्वच्या सर्व जागा भरण्याचे उद्दिष्ट्ये पूर्ण करण्यासाठी हिंगोली जिल्ह्यातील शाळांमध्ये **दि.०७ ते २१ जानेवारी २०२२** या कालावधीत स्कूल कनेक्ट उपक्रम राबविण्यात येत आहे. सदर उपक्रमाच्या प्रभावी अंमलबजावणीसाठी तालुकानिहाय खालीलप्रमाणे समिती गठीत करण्यात येत आहे.

अ.क्र.	संकेतांक	तालुका	अधिकारी यांचे नाव	कामाचे स्वरूप
०१	हिंगोली जिल्हा		श्री एफ बी तानूरकर	जिल्हा समन्वयक
०२			श्री जी बी सुडे	स्कूल कनेक्ट प्रभारी
०३			श्री टी एस परोडवाड	सहाय्यक स्कूल कनेक्ट प्रभारी
०४	SCT 01	हिंगोली शहर	डॉ. बी बी कपूर श्रीमती एम आर शेख कु पी एस पाटील	• पदविका अभ्यासक्रमाची सविस्तर माहिती द्यावी व सदर पदविका अभ्यासक्रम विद्यार्थ्याकरिता कसे हितकारक आहे याबाबत जनजागृती करावी. • विद्यार्थ्यांमध्ये तंत्रशिक्षणाची आवड निर्माण व्हावी या करिता मरातंशि मंडळाची Documentry फिल्म व शॉर्ट फिल्म दाखवावी . • मरातंशिम मंडळाद्वारे राबविण्यात येणारे अभ्यासक्रम ,विविध अभियांत्रिकी व तंत्रज्ञान शाखेतील करिअर संधी, तंत्रनिकेतनाची केंद्रभूत प्रवेश प्रक्रिया , शासनातर्फे मिळणाऱ्या विविध शिष्यवृत्ती योजना याबाबतची इत्यंभूत माहिती विद्यार्थ्यांना देणे. • स्कूल कनेक्ट अंतर्गत प्राप्त विद्यार्थ्यांची माहिती मंडळाच्या संकेतस्थळावर अपलोड करणे. • स्कूल कनेक्ट अंतर्गत भेट दिलेल्या शाळेची व मार्गदर्शन करण्यात आलेल्या विद्यार्थी / पालक यांची माहिती संस्थेमार्फत पुरविण्यात आलेल्या Spreadsheet मध्ये दररोज अद्ययावत करणे.
०५	SCT 02	हिंगोली ग्रामीण	श्री ए टी आढावे श्री पी एल सातोरे श्रीमती व्ही के पाटील	
०६	SCT 03	औंढा शहर व तालुका	श्री एम बी नवरखेले श्री सद्दाम सी फकीर श्री वाय एन शिवरकर	
०७	SCT 0 4	कळमनुरी शहर	श्री झेड ए खान श्रीमती प्राची देशपांडे श्री जे व्ही वानखडे	
०८	SCT 05	कळमनुरी ग्रामीण (आखाडा बाळापुर)	श्री एम एस लिमजे डॉ जावेद शेख श्री पी एच गुट्टे	
०९	SCT 06	वसमत शहर	श्री ए जी राठोड श्री प्रवीण माळी श्री एम एल सामलेटी *(दि.१७पर्यंत) श्री ए पी केदार	
१०	SCT 07	वसमत ग्रामीण	श्री ई ई तडवीपठाण श्री एन एस जाधव श्रीमती एन एस देशमुख	

2.2.6. Information Access Facilities and Student Centric Learning Initiatives (15)

2.2.6.A. Availability of facilities & Effective Utilization (10)

Department has sufficient online information access facilities to which accessed by students time to time for enhancing the learning. Students are motivated and promoted to utilize the facilities at its max. Following Table shows the availability of various facilities and effective utilization of them -

Table - Availability of facilities & Effective Utilization

Sr. No	Objective	Action Taken	Available Facility / Resources	Utilization	Relevance to PO's & PSO's
1	Promote self-learning capability	Motivating and guiding students and promoting faculties for attending MOOCS / FOSSEE / SWAYAM / NPTEL etc. online courses.	35 PC's along-with High Speed Broad Band Internet facility,	For Faculties and Student's	PO1, PO2, PO3, PO6, PO7, PSO2
2	Promote self-learning capability	Providing the material, facility & scope to access e-learning material for self-learning	Free E-Books and online available open source study material/resources/tools are made available to students.		PO1, PO2, PO4, PO5, PO6, PO7, PSO1, PSO2
3	Enhance learning process	Learning resource is developed by the faculty on trial basis	Faculty has developed the animation on few underpinning theory components of sample course to ensure student friendly delivery & learning environment.		PO1, PO7

2.2.6.B. Student Centric Learning Initiatives & Effective Implementation (05)

Following mechanism is incorporated in order to ensure the establishment of student centric learning system -

- Student being at the center of the system and objective being outcome based education system; every student is treated as special one.
- A well-defined Mentoring system is implemented in the department to identify and understand the student's problem.
- The attendance and the academic progress are monitored regularly in order to provide students the necessary support system.
- UT and PST results are analysed and are discussed with students.
- Parent-Teacher meetings are arranged every semester.
- Appreciation / awards are given to the students having excellent academic or extra-curricular / co-curricular achievements during the institute annual cultural & prize distribution programme.
- Display boards are made available in the department to the students to exhibit their talent.
- Class toppers are appointed as Class Representatives (CR) and they get an opportunity to be a student council member.

2.2.7. New Initiatives for embedding Professional Skills (15)

2.2.7.A. Core Employability skill enhancement Initiatives and effective implementation (08)

Online examination by MSBTE, Mumbai

For few courses in the curriculum, online examinations are made compulsory by board. End semester examinations for courses such as Management, Emerging Trends, Applied Science and Basic Science studies, Advanced Java Programming are conducted online. This approach of board cuts through the traditional way of conducting theory examination. Students have to prepare themselves for this challenge.

Entrepreneurship Development

The Course Entrepreneurship Development (EDE Course Code 22032) is included as part of curriculum in fifth semester of program with course credits 4. This course has teaching load of 2 lectures, 3 practical batches. In examination scheme, total 100 marks are allocated to course with 50 marks for end semester examination and 50 for progressive assessment.

The aim of this course is to help the student to develop project proposals to launch small scale enterprise. This course aims to develop the competency and related outcomes in order to start small industry

Outcomes are as follows:

- Identify your entrepreneurial traits.
- Identify business opportunities that suit you.
- Use the support system to zero down to your business idea.
- Develop comprehensive business plan.
- Prepare plan to manage enterprise effectively.

Different topics covered under this course are entrepreneurship development - concept and scope, entrepreneurial opportunities and selection process, support systems, business plan preparation to establish a enterprise.

Aptitude Tests

Aptitude tests are conducted for students so that they will able to crack such challenges in campus placement. Test series based on various aspects of aptitude and reasoning is planned for final year and detail solution of these tests is discussed with students. This helps in student's problem solving ability and motivates them to prepare for real life contest.

Hands-on Sessions

Hands on programing sessions in computer labs are conducted for students to gain confidence over their programming skills. Problem solving based approach is used to conduct such sessions. Students thinks and get solutions to solve given problem to implement through programming knowledge..

2.2.7.B. Personality development related Initiatives & effective implementation (07)

Personality development helps to develop an impressive personality and makes stand apart from the rest. Personality development also plays an essential role in improving one's skills like Communication, Interpersonal, Organization, Problem-solving, Self-confidence, Adaptability, Integrity and Work ethic etc.

Department always take initiatives to develop, flourish and enhance Personality Development related activities and look towards effective implementation of it through following processes -

- Personality development programmes are conducted.
- Student centered activities are conducted every semester through the subject professional practice.
- Students are taken out for industrial visits and they are asked to interact with the industry people.
- Scope is provided and Participation in sports, extra-curricular and co-curricular activities is encouraged to impart a different dimension to the personality of student.

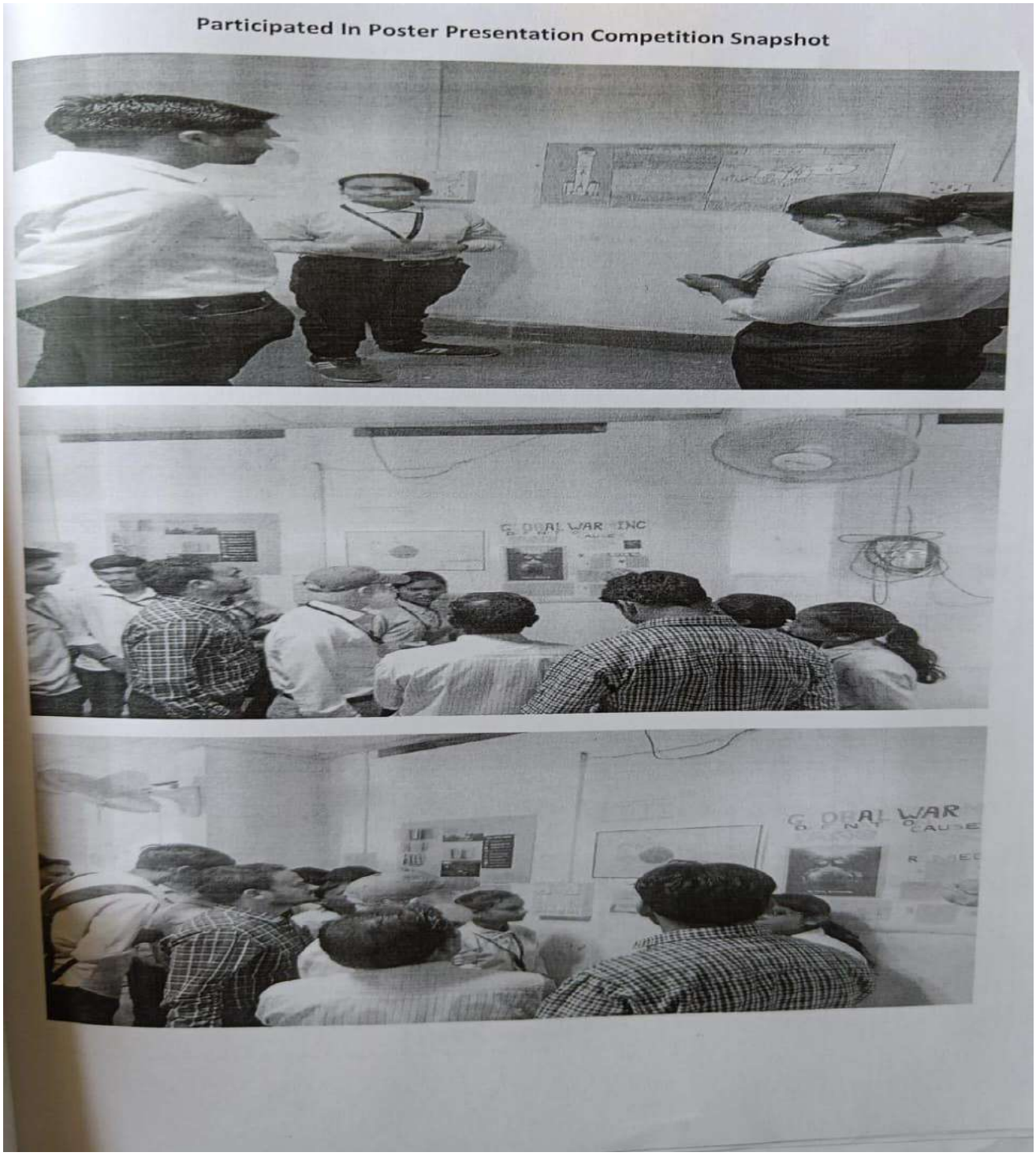
2.2.8. Co-Curricular & Extra-Curricular Activities (10)

Various activities are conducted in the department for facilitating overall development of students like Teachers Day, Engineer's Day, Welcome cum orientation programme of first year admitted students, Farewell/Send-off for final year passing out students etc.

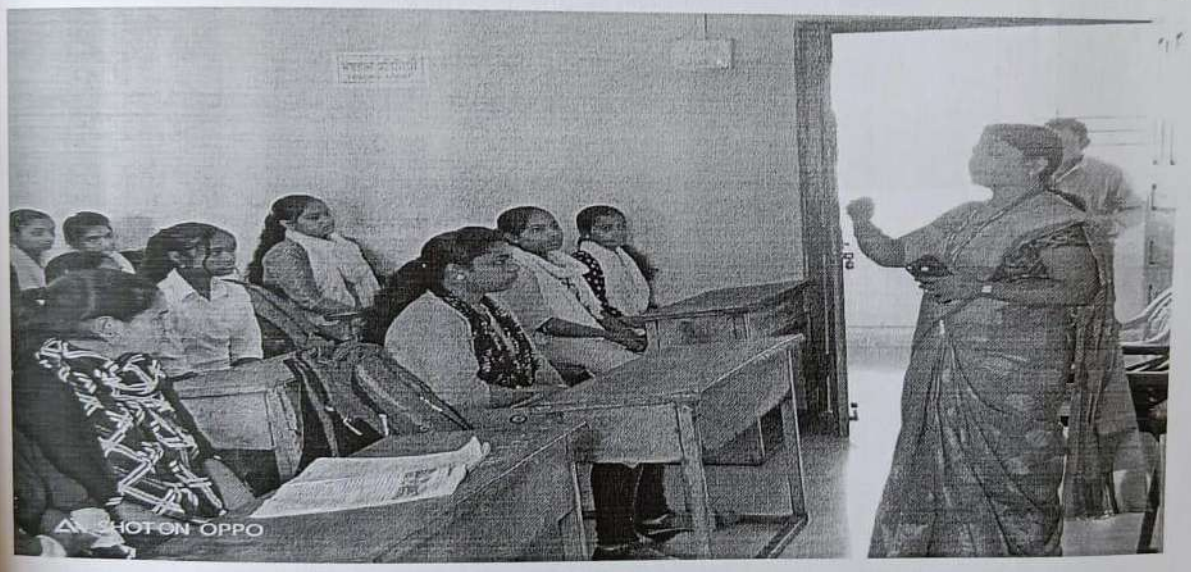
Few events which are organised at institute level are co-ordinated by department faculties like Blood Donation Camp, Institute annual cultural and prize distribution programme etc.

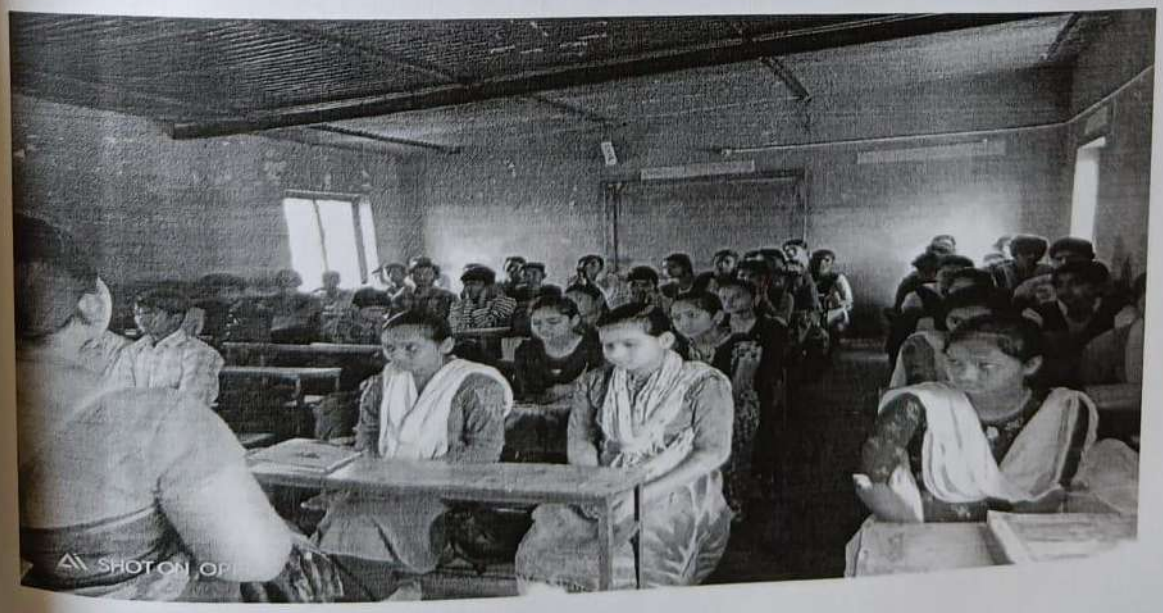
Events are also organised under Gymkhana for Sports, cultural and technical related activities etc. Apart from indoor and outdoor sports activities, IEDSSA sports activities, College cultural programme various other activities are conducted during academic year 2016-2020. Interclass sports are organized in the institute.

Students are encouraged to participate in Co-Curricular, Extra-Curricular and other activities

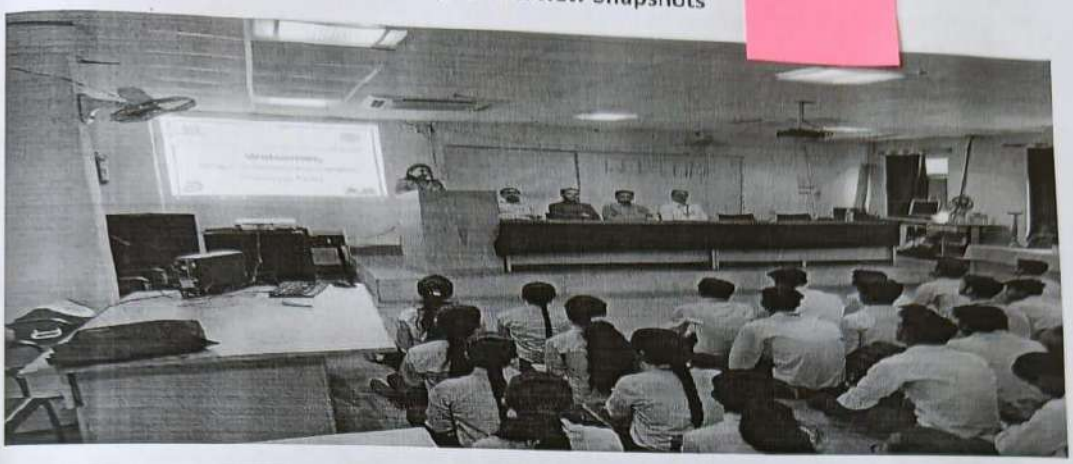


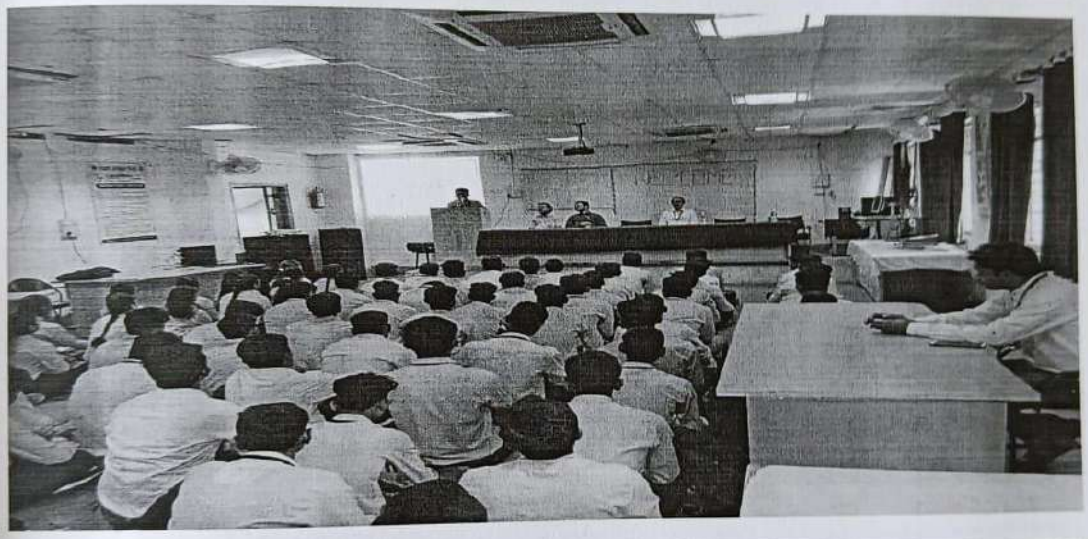
Career Fair Program Under MSBTE School Connect Program



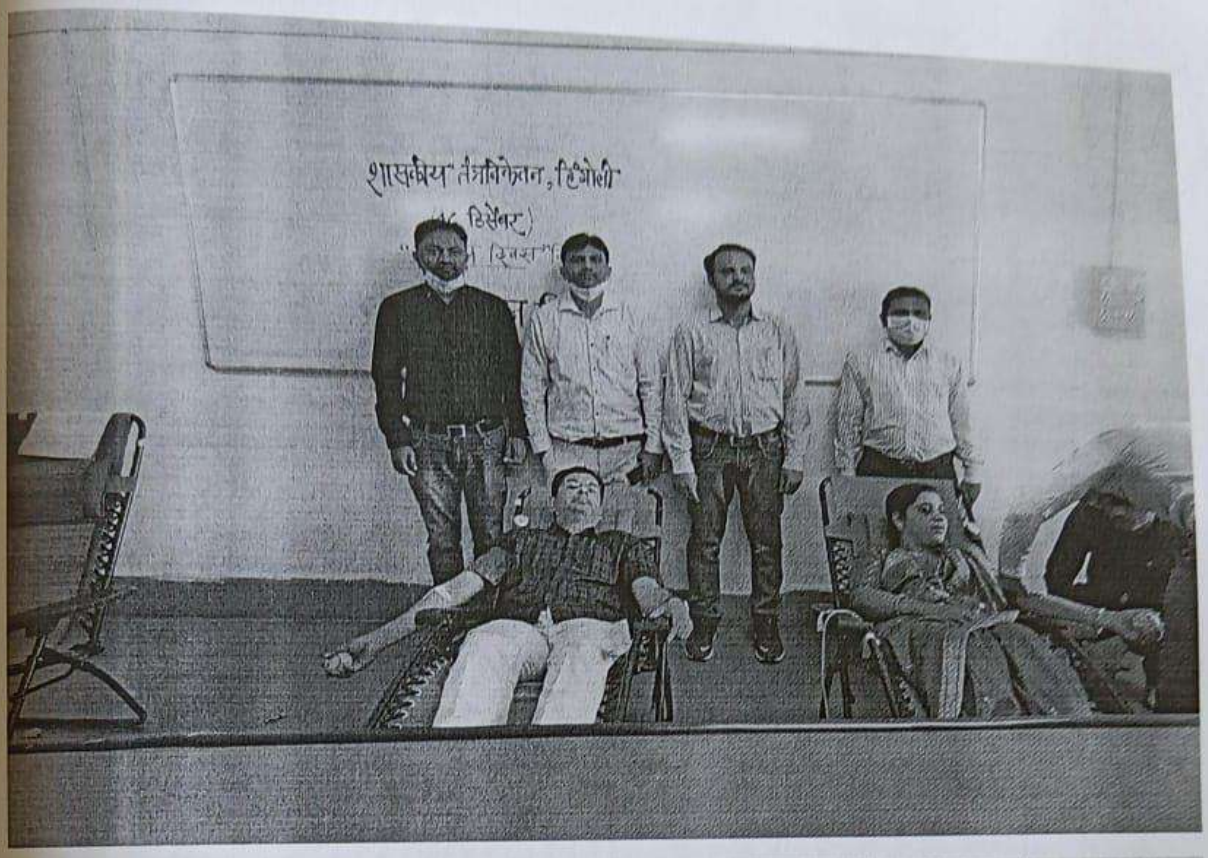


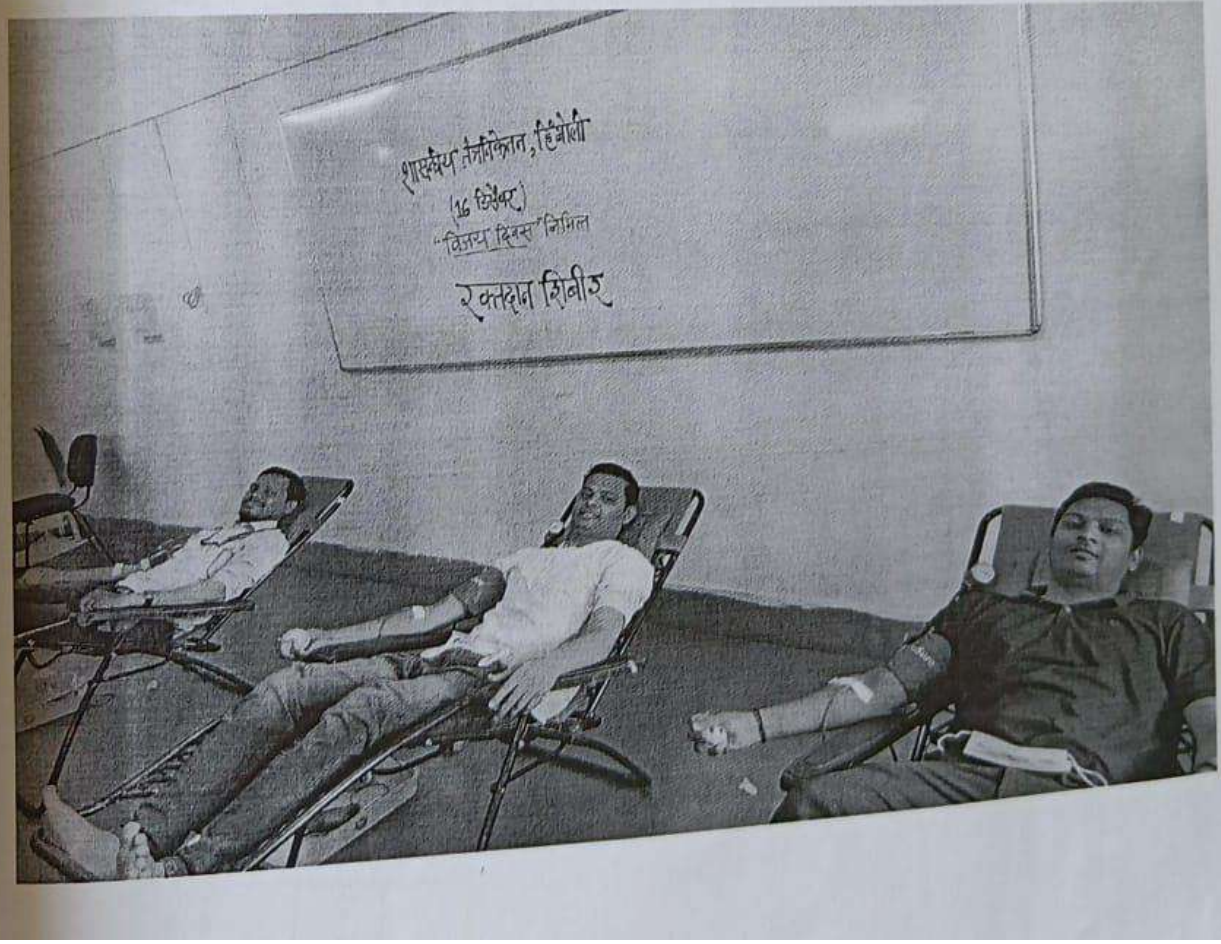
Campus Interview Snapshots



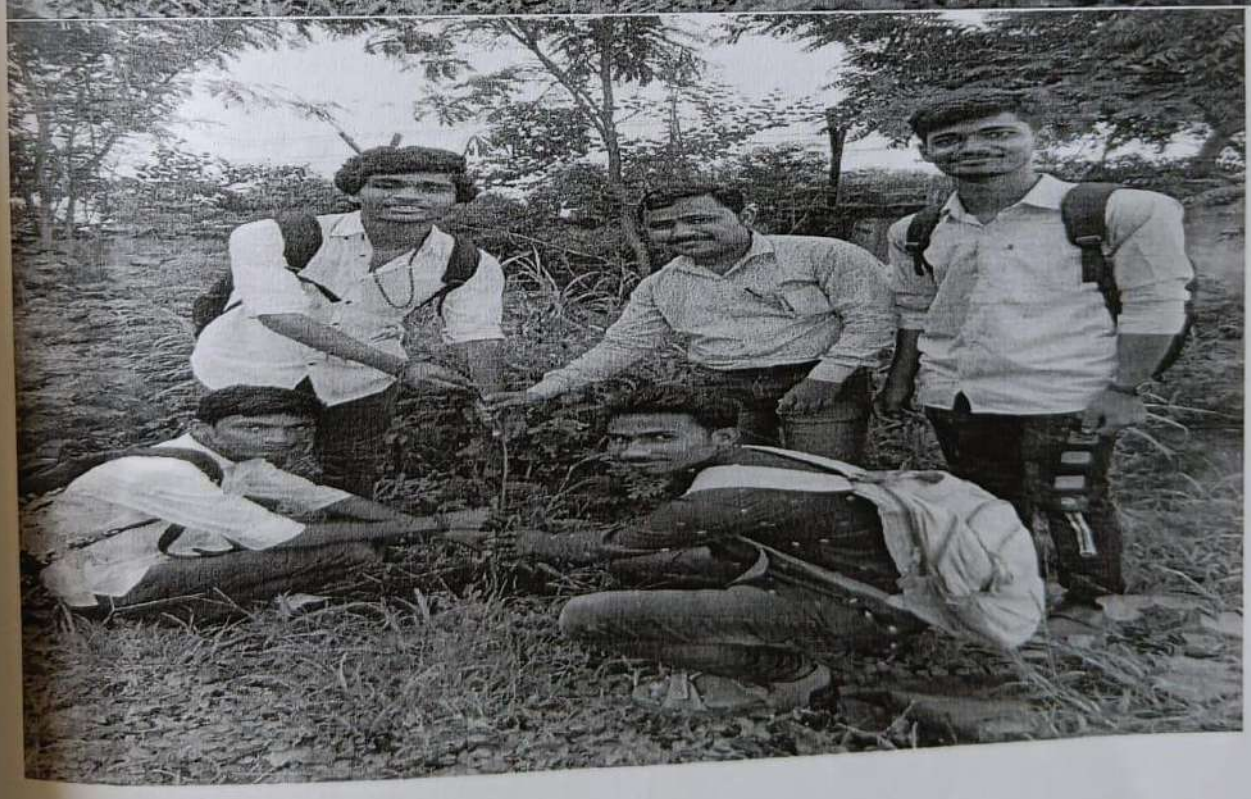


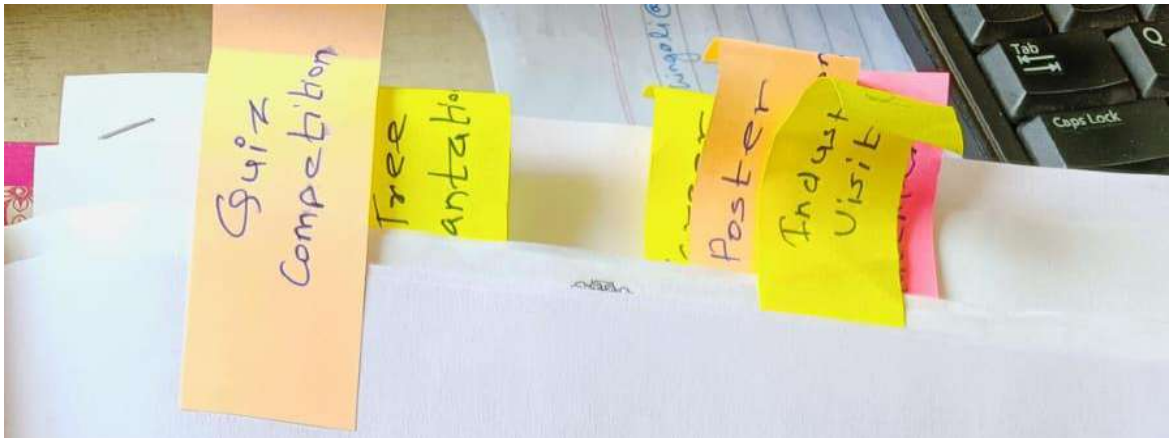
Participation In Blood Donation Camp



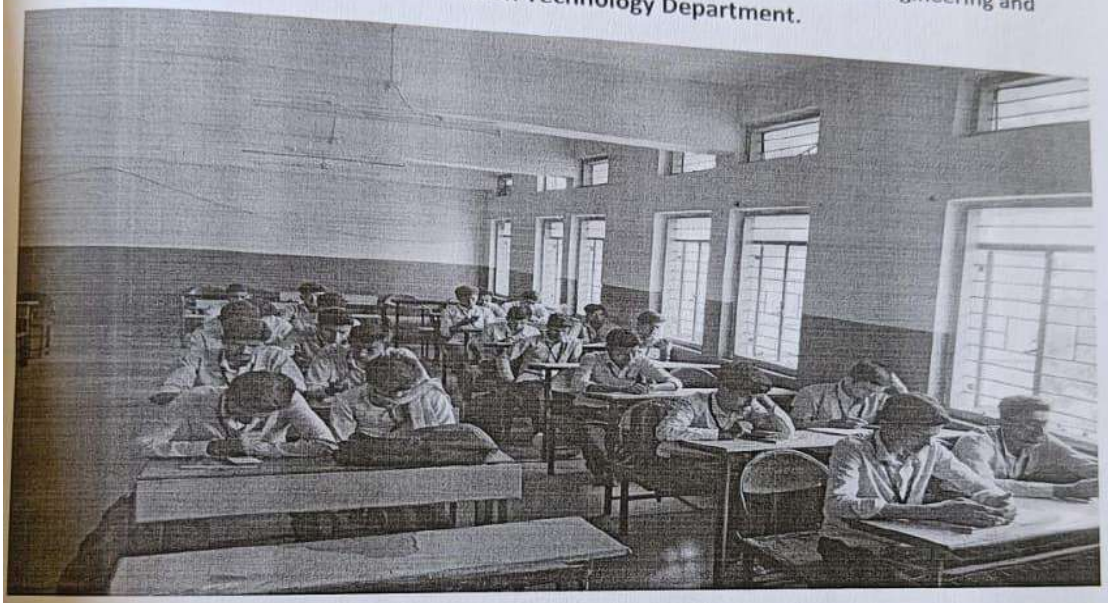


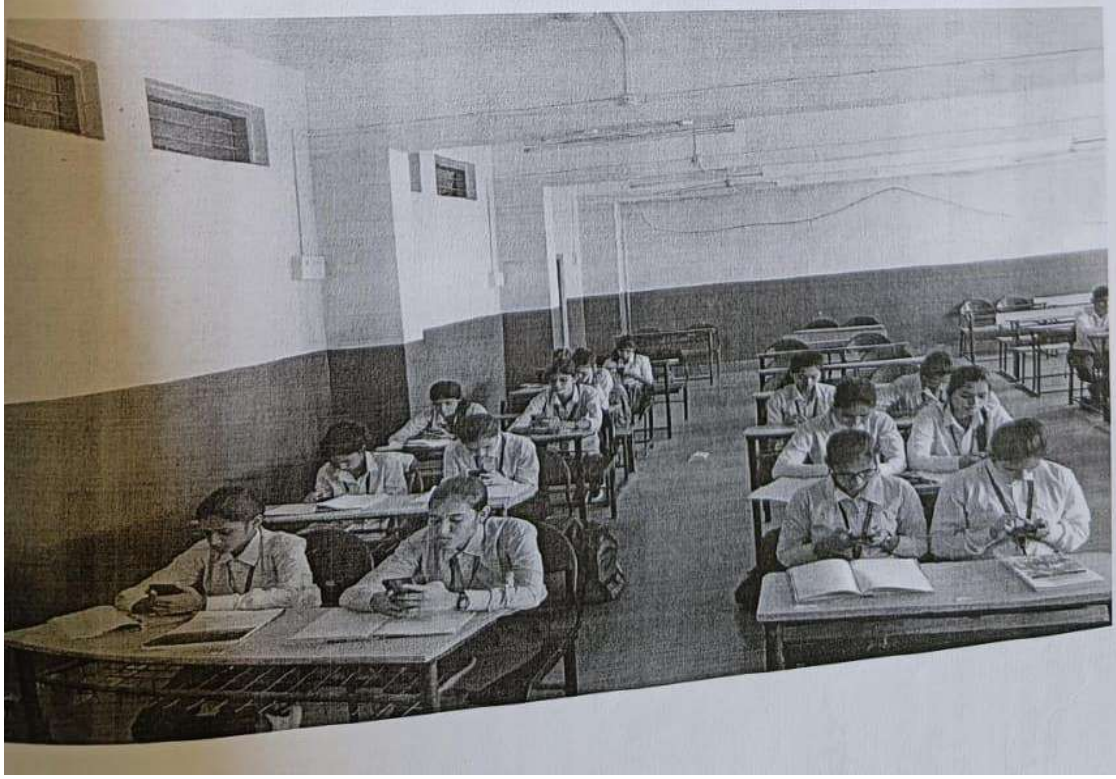
Participation In Tree Plantation Program





Quiz Competition on Python Programming Organised by Computer Engineering and Information Technology Department.





CRITERION 3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100

3.1 Establish the correlation between courses and POs & PSOs (20)

As the data to be used corresponds to students learned in the department from 2020-21 to 2022-23 during which I scheme program curriculum of diploma in Computer engineering of MSBTE is in force and hence, COs, POs and PSOs and their relative attainments with respect to this scheme only is presented in this criterion.

3.1.1 Courses (I Scheme Curriculum)

CO1I	CO2I	CO3I	CO4I	CO5I	CO6I
ENGLISH ENG 22101 (3+2)	ELEMENTS OF ELECTRICAL ENGG EEC 22215 (4+2)	OBJECT ORIENTED PROGRAMMING USING C++ OOP 22316 (3+2#+2)	JAVA PROGRAMMING JPR^$ 22412 (3+4)	ENVIRONMENTAL STUDIES EST^ $ 22447 (3+0)	MANAGEMENT MAN^ $ 22509 (3+0)
BASIC SCIENCE (PHY&CHEM) BSC^ 22102 (2+2)&(2+2)	APPLIED MATHEMATICS AMI# 22224 (4+2)	DATA STRUCTURE USING C DSU 22317 (3+2)	SOFTWARE ENGINEERING SEN 22413 (3+2)	OPERATING SYSTEMS OSY 22516 (3+2)	PROGRAMMING WITH PYTHON PWP 22616 (3+2)
BASIC MATHEMATICS BMS 22103 (4+2#)	BASIC ELECTRONICS BEC 22225 (3+2)	COMPUTER GRAPHICS CGR 22330 (3+2)	DATA COMMUNICATION AND COMPUTER NETWORK DCC 22414(4+2)	ADVANCED JAVA PROGRAMMING AJP 22517 (3+1#+2)	MOBILE APPLICATION DEVELOPMENT MAD 22618 (3+4)
FUNDAMENTALS OF ICT ICT@ 22001 (2+2)	PROGRAMMING IN C PCI 22226 (3+2#+2)	DATABASE MANAGEMENT SYSTEM DMS 22319 (4+2+2)	MICROPROCESSORS MIC 22415 (4+2)	SOFTWARE TESTING STE 22518 (3+2)	EMERGING TRENDS IN COMPUTER AND INFORMATION TECHNOLOGY ETI ^$ 22618 (3+0)
ENGINEERING GRAPHICS EGE@ 22003 (2+4)	COMPUTER PERIPHERAL AND HARDWARE MAINTENANCE CPH @ 22013 (2+2)	DIGITAL TECHNIQUE DTE 22320 (4+2)	GUI APPLICATION DEVELOPMENT USING VB.NET GAD@ 22034 (2+4)	ELECTIVE-I (ANY ONE) CLIENT SIDE SCRIPTING LANGUAGE CSS 22519 (3+2) ADVANCED COMPUTER NETWORK ACN 22520 (3+2)	ELECTIVE-II (ANY ONE) WEB BASED APPLICATION DEVELOPMENT USING PHP WBP 22619 (3+2) NETWORK AND INFORMATION SECURITY NIS 22620 (3+2)
WORKSHOP PRACTICE WPC@ 22005 (0+4)	BUSINESS COMM USING COMPUTERS BCC@ 22009 (0+2)				
	WEB PAGE DESIGNING WITH HTML WPD @ 22014 (2+2)			INDUSTRIAL TRAINING ITR @ 22057 (0+6)	CAPSTONE PROJECT EXECUTION & REPORT WRITING CPE @ 22060 (0+4)
				CAPSTONE PROJECT PLANNING CPP @ 22058 (0+2)	ENTREPRENEURSHIP DEVELOPMENT EDE @ 22032 (2+2)
33	34	31	30	32	31

@- Non Theory Course, $- Only Theory Course, #-Course with tutorial, ^ -Online Theory Exam Course

3.1.2 Program Outcomes (Pos)

POs given in generic form are customized specific to Computer engineering which are as follows.

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

2. **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.

3. **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate techniques to conduct standard tests and measurements.

5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.

6. **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

7. **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

3.1.3 Program Specific Outcomes (PSO's)

Meanwhile, MSBTE has provided PSOs for I scheme which are used here to map the outcomes in terms OBE with inclusion of PSO with respect to local industry need and are as follows:

PSO 1. Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO 2. Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

3.1.4 COURSE OUTCOMES (COs)

MSBTE introduced OBE based I scheme curriculum specifies the COs for each course. These COs are correlated to POs with discussion among department faculties in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). The tables in this subsection 3.1.4 presents the COs for one course for each semester as sample representative.

3.1.5 CO-PO/PSO Mapping of the courses selected in 3.1.4

The mapping of course outcomes with POs are discussed among department faculty before finalization. The tables in this subsection 3.1.5 depict CO-PO mapping matrix for sample courses as required for NBA–SAR based on which a Course- Program Outcome (Course-PO) mapping matrix is prepared for all courses including elective subjects and is presented in subsection 3.1.6.

C101.1	**Formulate grammatically correct sequence**
C101.2	**Summarize comprehension passages**
C101.3	**Compose dialogues and passages for different situations**
C101.4	**Use relevant words as per context**
C101.5	**Deliver prepared speeches to express ideas, thoughts and emotions**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C101.1	-	-	-	-	1.00	2.00	3.00	-	-
C101.2	-	-	-	-	1.00	2.00	3.00	-	-
C101.3	-	-	-	-	1.00	2.00	3.00	-	-
C101.4	-	-	-	-	1.00	2.00	3.00	-	-
C101.5	-	-	-	-	1.00	2.00	3.00	-	-
AVG	**-**	**-**	**-**	**-**	**1.00**	**2.00**	**3.00**	**-**	**-**

Course Name: **C110 (PCI)** Year of Study: **2020-21**

C110.1	**Develop flowchart and algorithm to solve problems logically**
C110.2	**Write simple c programs using arithmetic expressions**
C110.3	**Develop C programs using control structure.**
C110.4	**Develop C programs using arrays and structures**
C110.5	**Develop / Use functions in c programs for modular programming approach**
C110.6	**Develop c programs using pointers**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C110.1	2	2	2	2	-	2	2	2	2
C110.2	2	1	2	2	-	2	2	1	2
C110.3	2	1	1	2	-	2	2	1	2
C110.4	2	1	1	2	-	2	2	1	2
C110.5	2	1	1	2	-	2	2	1	2
C110.6	2	1	1	2	-	2	2	1	2
AVG	2.00	1.17	1.33	2.00	-	2.00	2.00	1.17	2.00

Course Name: **C202 (DSU)** Year of Study: **2020-21**

C202.1	**Develop C++ programs to solve problems using Procedure Oriented Approach.**
C202.2	**Develop C++ programs using classes and objects.**
C202.3	**Implement Inheritance in C++ program.**
C202.4	**Use Polymorphism in C++ program.**
C202.5	**Develop C++ programs to perform file operations.**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C202.1	1	1	-	-	-	2	2	2	2
C202.2	1	2	2	-	-	2	2	2	2
C202.3	2	2	2	-	-	2	2	2	2
C202.4	2	1	2	-	-	2	2	2	2
C202.5	1	2	1	-	-	2	2	2	2
AVG	1.40	1.60	1.75	-	-	2.00	2.00	2.00	2.00

Course Name: **C206 (JPR)** Year of Study: **2020-21**

C206.1	**Develop programs using Object Oriented methodology in Java.**
C206.2	**Apply concept of inheritance for code reusability.**
C206.3	**Develop programs using multithreading.**
C206.4	**Implement Exception Handling.**
C206.5	**Develop programs using graphics and applet.**
C206.6	**Develop programs for handling I/O and file streams.**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C206.1	2	1	1	1	-	2	2	2	3
C206.2	2	1	1	1	-	2	2	2	3
C206.3	2	1	1	1	-	2	2	2	2
C206.4	2	1	1	1	-	2	2	2	2
C206.5	2	1	1	2	-	2	2	3	2
C206.6	2	1	2	3	-	2	2	3	2
AVG	2.00	1.00	1.17	1.50	-	2.00	2.00	2.33	2.33

Course Name: **C301 (EST)** Year of Study: **2020-21**

C301.1	**Develop Public awareness about environment.**
C301.2	**Select alternative energy resources for Engineering Practice.**
C301.3	**Conserve Ecosystem and Biodiversity.**
C301.4	**Apply techniques to reduce Environmental Pollution.**
C301.5	**Manage social issues and Environmental Ethics as lifelong learning.**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C301.1	1	1	1	-	1	-	-	-	-
C301.2	-	1	1	2	1	-	-	-	-
C301.3	-	1	1	-	1	-	-	-	-
C301.4	1	1	1	-	1	-	-	-	-
C301.5	-	1	-	-	2	-	-	-	-
AVG	1.00	1.00	1.00	-	1.20	-	-	-	-

C311.1	**Describe Artificial Intelligence, Machine learning and deep learning.**
C311.2	**Interpret loT concepts.**
C311.3	**Compare Models of Digital Forensic Investigation.**
C311.4	**Describe Evidence Handling procedures.**
C311.5	**Describe Ethical Hacking process.**
C311.6	**Detect Network, Operating System and applications vulnerabilities.**

CO-PO/PSO Mapping

1: Slight (**Low**) **2**: Moderate (**Medium**) **3**: Substantial (**High**) *If there is no correlation, put "-"*

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C311.1	1	1	1	2	2	1	1	2	1
C311.2	2	1	1	1	1	1	2	2	1
C311.3	1	2	1	1	2	1	1	2	1
C311.4	1	2	1	1	2	1	1	2	1
C311.5	1	1	1	1	2	1	1	1	1
C311.6	1	1	2	2	1	1	1	1	2
AVG	1.17	1.33	1.17	1.33	1.67	1.00	1.17	1.67	1.17

3.1.6 Program Level Course-PO/PSO matrix of all courses including first year courses

DEPARTMENT OF COMPUTER ENGINEERING

COURSE PO-PSO MAPPING (2022-2025)

Course	Semester	Course Abbr	Course Title	Course co	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C101	CO1I	ENG	English	22101	-	-	-	-	1.00	2.00	3.00	-	-
C102	CO1I	BSC	Basic science physics and chemistry	22102	3.00	-	-	1.00	1.00	-	1.00	-	-
C103	CO1I	BMS	Basic mathematics	22103	3.00	2.00	1.00	1.00	-	-	1.00	-	-
C104	CO1I	ICT	Fundamental of ICT	22001	1.80	2.00	2.67	2.00	1.80	3.00	2.20	2.00	1.00
C105	CO1I	EGE	Engineering graphics	22003	3.00	3.00	3.00	3.00	2.00	-	2.50	1.00	1.00
C106	CO1I	WPC	Workshop practise	22005	1.60	1.60	1.00	2.00	1.00	1.00	1.60	3.00	3.00
C107	CO2I	EEC	Elements of Electrical Engg	22215	1.83	2.50	1.00	1.00	-	1.83	1.33	1.40	1.60
C108	CO2I	AMI	Applied Mathematics	22224	3.00	1.00	1.00	1.00	-	1.00	-	-	-
C109	CO2I	BEC	Basic Electronics	22225	2.00	1.80	1.40	1.60	-	1.00	2.00	2.00	2.00
C110	CO2I	PCI	Programming in C	22226	2.00	1.17	1.33	2.00	-	2.00	2.00	1.17	2.00
C111	CO2I	BCC	Business Comm. using Computers	22226	1.00	-	2.00	-	-	1.00	2.00	1.75	1.75
C112	CO2I	CPH	Comp. peripherals & H/w maintenance	22013	2.00	1.00	1.00	2.00	-	1.00	1.00	1.17	1.33
C113	CO2I	WPD	Web page designing with HTML	22014	1.17	2.00	2.00	2.00	-	2.00	2.00	2.00	2.00
C201	CO3I	OOP	Object Oriented programming using C++	22316	1.00	1.20	2.00	2.00	-	2.00	2.00	2.00	2.00
C202	CO3I	DSU	Data structure using C	22317	1.40	1.60	1.75	-	-	2.00	2.00	2.00	2.00
C203	CO3I	CGR	Computer Graphics	22318	2.00	1.50	1.83	2.00	1.67	2.00	1.33	2.00	1.67
C204	CO3I	DMS	Data Management Syystem	22319	2.00	-	1.00	1.00	-	-	1.00	1.00	-
C205	CO3I	DTE	Digital Techniques	22320	1.00	1.00	1.00	1.00	-	1.00	-	1.00	-
C206	CO4I	JPR	Java Programming	22412	2.00	1.00	1.17	1.50	-	2.00	2.00	2.33	2.33
C207	CO4I	SEN	Software Engineering	22413	1.00	1.40	1.40	1.80	1.50	1.20	1.40	2.00	1.20
C208	CO4I	DCC	DataCommunivation and Computer Network	22414	1.00	1.33	1.40	1.00	-	-	1.00	1.00	1.25
C209	CO4I	MIC	Microprocessors	22415	1.20	1.40	1.20	1.00	-	1.00	-	1.00	-
C210	CO4I	GAD	GUI Application Development using VB.NET	22034	1.20	1.60	1.60	1.40	-	1.40	1.20	2.00	1.40
C301	CO5I	EST	Environmental studies	22447	1.00	1.00	1.00	-	1.20	-	-	-	-
C302	CO5I	OSY	Operating System	22516	1.17	1.17	1.50	-	1.83	2.00	1.50	1.33	1.20
C303	CO5I	AJP	Advanced Java Programming	22517	1.17	1.33	1.17	1.33	1.00	1.00	1.83	1.67	2.00
C304	CO5I	STE	Software Testing	22518	1.00	1.00	1.20	1.00	1.00	1.25	1.33	1.60	-
C305	CO5I	"ACN"	Advanced Computer and Network	22520	1.00	1.00	1.00	1.00	-	-	1.00	1.25	1.00
C306	CO5I	ITR	Industrial training	22057	2.00	2.50	2.50	2.40	-	3.00	3.00	3.00	3.00
C307	CO5I	CPP	Capstone Project Planning	22058	2.86	2.67	2.00	2.00	2.33	2.14	2.00	2.14	2.00
C308	CO6I	MAN/ MG	Management	22509	3.00	2.00	2.00	2.00	1.00	2.00	1.00	1.00	1.00
C309	CO6I	PWP	Programming with Python	22616	3.00	1.00	2.00	1.00	-	-	1.00	1.00	-
C310	CO6I	MAD	Mobile Application Development	22617	1.67	1.75	1.00	1.00	1.00	1.00	1.20	3.00	3.00
C311	CO6I	ETI	Emerging Trends in Information Technology	22618	1.17	1.33	1.17	1.33	1.67	1.00	1.17	1.67	1.17
C312	CO6I	NIS	Security	22620	1.40	2.00	1.00	1.00	-	1.33	1.00	1.00	1.00
C313	CO6I	EDE	Entrepreneurship development	22032	-	-	-	-	1.00	1.00	1.00	-	-
C314	CO6I	CPE	Capstone project execution and report writing	22060	2.44	1.89	2.00	2.22	2.78	2.33	2.33	2.44	2.44
				AVG	1.77	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74

DEPARTMENT OF COMPUTER ENGINEERING

COURSE PO-PSO MAPPING (2021-2024)

Course	Semester	Course Abbr	Course Title	Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C101	CO1I	ENG	English	22101	-	-	-	-	1.00	2.00	3.00	-	-
C102	CO1I	BSC	Basic science physics and chemistry	22102	3.00	-	-	1.00	1.00	-	1.00	-	-
C103	CO1I	BMS	Basic mathematics	22103	3.00	2.00	1.00	1.00	-	-	1.00	-	-
C104	CO1I	ICT	Fundamental of ICT	22001	1.80	2.00	2.67	2.00	1.80	3.00	2.20	2.00	1.00
C105	CO1I	EGE	Engineering graphics	22003	3.00	3.00	3.00	3.00	2.00	-	2.50	1.00	1.00
C106	CO1I	WPC	Workshop practise	22005	1.60	1.60	1.00	2.00	1.00	1.00	1.60	3.00	3.00
C107	CO2I	EEC	Elements of Electrical Engg	22215	1.83	2.50	1.00	1.00	-	1.83	1.33	1.40	1.60
C108	CO2I	AMI	Applied Mathematics	22224	3.00	1.00	1.00	1.00	-	1.00	-	-	-
C109	CO2I	BEC	Basic Electronics	22225	2.00	1.80	1.40	1.60	-	1.00	2.00	2.00	2.00
C110	CO2I	PCI	Programming in C	22226	2.00	1.17	1.33	2.00	-	2.00	2.00	1.17	2.00
C111	CO2I	BCC	Business Comm. using Computers	22226	1.00	-	2.00	-	-	1.00	2.00	1.75	1.75
C112	CO2I	CPH	Comp. peripherals & H/w maintenance	22013	2.00	1.00	1.00	2.00	-	1.00	1.00	1.17	1.33
C113	CO2I	WPD	Web page designing with HTML	22014	1.17	2.00	2.00	2.00	-	2.00	2.00	2.00	2.00
C201	CO3I	OOP	Object Oriented programming using C++	22316	1.00	1.20	2.00	2.00	-	2.00	2.00	2.00	2.00
C202	CO3I	DSU	Data structure using C	22317	1.40	1.60	1.75	-	-	2.00	2.00	2.00	2.00
C203	CO3I	CGR	Computer Graphics	22318	2.00	1.50	1.83	2.00	1.67	2.00	1.33	2.00	1.67
C204	CO3I	DMS	Data Management Syystem	22319	2.00	-	1.00	1.00	-	-	1.00	1.00	-
C205	CO3I	DTE	Digital Techniques	22320	1.00	1.00	1.00	1.00	-	1.00	-	1.00	-
C206	CO4I	JPR	Java Programming	22412	2.00	1.00	1.17	1.50	-	2.00	2.00	2.33	2.33
C207	CO4I	SEN	Software Engineering	22413	1.00	1.40	1.40	1.80	1.50	1.20	1.40	2.00	1.20
C208	CO4I	DCC	DataCommunivation and Computer Network	22414	1.00	1.33	1.40	1.00	-	-	1.00	1.00	1.25
C209	CO4I	MIC	Microprocessors	22415	1.20	1.40	1.20	1.00	-	1.00	-	1.00	-
C210	CO4I	GAD	GUI Application Development using VB.NET	22034	1.20	1.60	1.60	1.40	-	1.40	1.20	2.00	1.40
C301	CO5I	EST	Environmental studies	22447	1.00	1.00	1.00	-	1.20	-	-	-	-
C302	CO5I	OSY	Operating System	22516	1.17	1.17	1.50	-	1.83	2.00	1.50	1.33	1.20
C303	CO5I	AJP	Advanced Java Programming	22517	1.17	1.33	1.17	1.33	1.00	1.00	1.83	1.67	2.00
C304	CO5I	STE	Software Testing	22518	1.00	1.00	1.20	1.00	1.00	1.25	1.33	1.60	-
C305	CO5I	CSS	Client Side Scripting Lang	22519	1.12	1.25	1.28	1.18	-	-	1.47	1.52	1.53
C306	CO5I	ITR	Industrial training	22057	2.00	2.50	2.50	2.40	-	3.00	3.00	3.00	3.00
C307	CO5I	CPP	Capstone Project Planning	22058	2.86	2.67	2.00	2.00	2.33	2.14	2.00	2.14	2.00
C308	CO6I	MAN/ MGT	Management	22509	3.00	2.00	2.00	2.00	1.00	2.00	1.00	1.00	1.00
C309	CO6I	PWP	Programming with Python	22616	3.00	1.00	2.00	1.00	-	-	1.00	1.00	-
C310	CO6I	MAD	Mobile Application Development	22617	1.67	1.75	1.00	1.00	1.00	1.00	1.20	3.00	3.00
C311	CO6I	ETI	Emerging Trends in Information Technology	22618	1.17	1.33	1.17	1.33	1.67	1.00	1.17	1.67	1.17
C312	CO6I	NIS	Network Information and Security	22620	1.40	2.00	1.00	1.00	-	1.33	1.00	1.00	1.00
C313	CO6I	EDE	Entrepreneurship development	22032	-	-	-	-	1.00	1.00	1.00	-	-
C314	CO6I	CPE	Capstone project execution and report writing	22060	2.44	1.89	2.00	2.22	2.78	2.33	2.33	2.44	2.44
				AVG	1.78	1.59	1.52	1.54	1.46	1.60	1.62	1.72	1.76

DEPARTMENT OF COMPUTER ENGINEERING

COURSE PO-PSO MAPPING (2020-2023)

Course	Semester	Course Abbr	Course Title	Course c	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C101	CO1I	ENG	English	22101	-	-	-	-	1.00	2.00	3.00	-	-
C102	CO1I	BSC	Basic science physics and chemistry	22102	3.00	-	-	1.00	1.00	-	1.00	-	-
C103	CO1I	BMS	Basic mathematics	22103	3.00	2.00	1.00	1.00	-	-	1.00	-	-
C104	CO1I	ICT	Fundamental of ICT	22001	1.80	2.00	2.67	2.00	1.80	3.00	2.20	2.00	1.00
C105	CO1I	EGE	Engineering graphics	22003	3.00	3.00	3.00	3.00	2.00	-	2.50	1.00	1.00
C106	CO1I	WPC	Workshop practise	22005	1.60	1.60	1.00	2.00	1.00	1.00	1.60	3.00	3.00
C107	CO2I	EEC	Elements of Electrical Engg	22215	1.83	2.50	1.00	1.00	-	1.83	1.33	1.40	1.60
C108	CO2I	AMI	Applied Mathematics	22224	3.00	1.00	1.00	1.00	-	1.00	-	-	-
C109	CO2I	BEC	Basic Electronics	22225	2.00	1.80	1.40	1.60	-	1.00	2.00	2.00	2.00
C110	CO2I	PCI	Programming in C	22226	2.00	1.17	1.33	2.00	-	2.00	2.00	1.17	2.00
C111	CO2I	BCC	Business Comm. using Computers	22226	1.00	-	2.00	-	-	1.00	2.00	1.75	1.75
C112	CO2I	CPH	Comp. peripherals & H/w maintenance	22013	2.00	1.00	1.00	2.00	-	1.00	1.00	1.17	1.33
C113	CO2I	WPD	Web page designing with HTML	22014	1.17	2.00	2.00	2.00	-	2.00	2.00	2.00	2.00
C201	CO3I	OOP	Object Oriented programming using C++	22316	1.00	1.20	2.00	2.00	-	2.00	2.00	2.00	2.00
C202	CO3I	DSU	Data structure using C	22317	1.40	1.60	1.75	-	-	2.00	2.00	2.00	2.00
C203	CO3I	CGR	Computer Graphics	22318	2.00	1.50	1.83	2.00	1.67	2.00	1.33	2.00	1.67
C204	CO3I	DMS	Data Management Syystem	22319	2.00	-	1.00	1.00	-	-	1.00	1.00	-
C205	CO3I	DTE	Digital Techniques	22320	1.00	1.00	1.00	1.00	-	1.00	-	1.00	-
C206	CO4I	JPR	Java Programming	22412	2.00	1.00	1.17	1.50	-	2.00	2.00	2.33	2.33
C207	CO4I	SEN	Software Engineering	22413	1.00	1.40	1.40	1.80	1.50	1.20	1.40	2.00	1.20
C208	CO4I	DCC	DataCommunivation and Computer Network	22414	1.00	1.33	1.40	1.00	-	-	1.00	1.00	1.25
C209	CO4I	MIC	Microprocessors	22415	1.20	1.40	1.20	1.00	-	1.00	-	1.00	-
C210	CO4I	GAD	GUI Application Development using VB.NET	22034	1.20	1.60	1.60	1.40	-	1.40	1.20	2.00	1.40
C301	CO5I	EST	Environmental studies	22447	1.00	1.00	1.00	-	1.20	-	-	-	-
C302	CO5I	OSY	Operating System	22516	1.17	1.17	1.50	-	1.83	2.00	1.50	1.33	1.20
C303	CO5I	AJP	Advanced Java Programming	22517	1.17	1.33	1.17	1.33	1.00	1.00	1.83	1.67	2.00
C304	CO5I	STE	Software Testing	22518	1.00	1.00	1.20	1.00	1.00	1.25	1.33	1.60	-
C305	CO5I	CSS	Client Side Scripting Lang	22519	2.50	1.00	1.00	1.00	-	-	1.00	1.25	1.00
C306	CO5I	ITR	Industrial training	22057	2.00	2.50	2.50	2.40	-	3.00	3.00	3.00	3.00
C307	CO5I	CPP	Capstone Project Planning	22058	2.86	2.67	2.00	2.00	2.33	2.14	2.00	2.14	2.00
C308	CO6I	MAN/ M(	Management	22509	3.00	2.00	2.00	2.00	1.00	2.00	1.00	1.00	1.00
C309	CO6I	PWP	Programming with Python	22616	3.00	1.00	2.00	1.00	-	-	1.00	1.00	-
C310	CO6I	MAD	Mobile Application Development	22617	1.67	1.75	1.00	1.00	1.00	1.00	1.20	3.00	3.00
C311	CO6I	ETI	Emerging Trends in Information Technology	22618	1.17	1.33	1.17	1.33	1.67	1.00	1.17	1.67	1.17
C312	CO6I	NIS	Network Information and Security	22620	1.40	2.00	1.00	1.00	-	1.33	1.00	1.00	1.00
C313	CO6I	EDE	Entrepreneurship development	22032	-	-	-	-	1.00	1.00	1.00	-	-
C314	CO6I	CPE	Capstone project execution and report writing	22060	2.44	1.89	2.00	2.22	2.78	2.33	2.33	2.44	2.44
				AVG	**1.82**	**1.59**	**1.51**	**1.54**	**1.46**	**1.60**	**1.60**	**1.71**	**1.74**

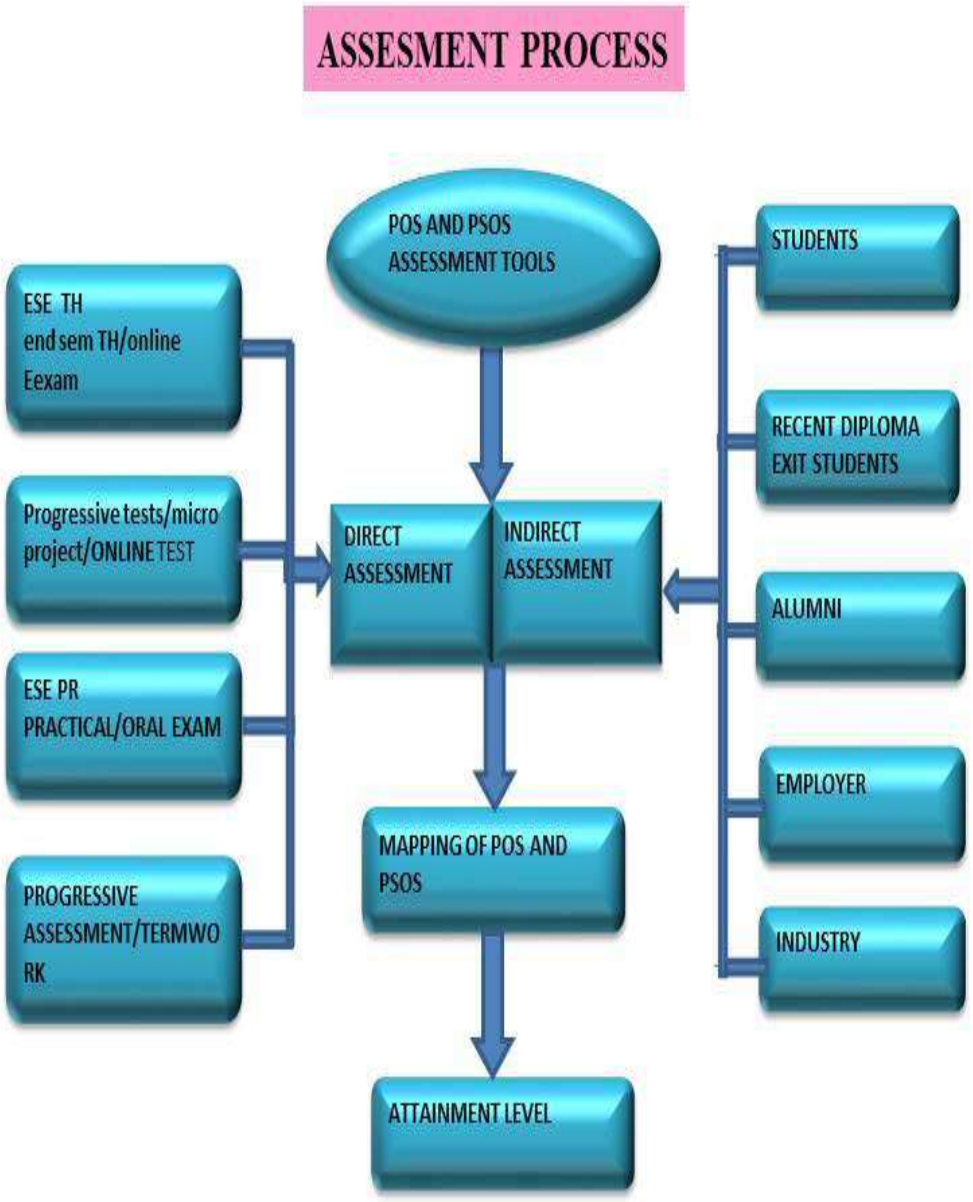
3.2. Attainment of Course Outcomes (40)

3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

MSBTE has specified different assessment tools in assessment norms which are direct measure of performance of the students. The processes used to gather the data for these tools are described below.

- The assessment tools used are in accordance with MSBTE's CIAAN 2017.
- End semester theory examinations are held at the end of every semester as per the academic calendar of MSBTE and the schedule given by MSBTE.
- End semester theory (TH-ESE) on Management and Environmental studies is conducted online by MSBTE.
- End semester practical/oral examinations are held at the end of every semester as per the academic calendar of MSBTE and as per the norms of MSBTE.
- Wherever applicable external examiners are appointed by MSBTE to evaluate the practical skills of students.
- Two theory unit tests, one in the middle of the term and the other at the end of the term, are held as per the academic calendar of MSBTE and as per the norms of MSBTE. Micro projects are assigned by course teacher as per course guidelines for each theory course and evaluated by him. Addition of average of unit test marks and evaluation of micro project forms the theory progressive assessment component.
- Assessment of the laboratory work of students with respect to performance of experiments, recording of the results done periodically by the individual course teacher, as per the norms (CIAAN) of MSBTE. Marks are awarded out of 25 (15 for process related and 10 for product related performance indicators) for every practical conducted and are entered in format D3 as suggested by MSBTE for every student. The total marks obtained by students are then translated as per the Teaching Examination (TE) scheme.
- Results of assessment with respect to theory unit test tests and micro project as TH-PA, term work as PR-PA and practical examinations as PR-ESE are reported to MSBTE as per its guidelines.
- MSBTE takes care of assessment of end semester theory and online examinations (TH-ESE).
- MSBTE declares the result within stipulated period.

Overall assessment process is given by following flow diagram.



3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (30)

The process used to define the attainment levels and target score is described and calculated course attainment with respect to their targets respectively are presented below (in following subsections).

3.2.2.1 Measuring Course Outcomes attained through board examinations:

Marks scored by the student in final theory exam, external practical/oral/project exam are considered to be external assessment tools. The approach used for measuring course outcomes attained through board examinations is as follows:

- The marks obtained by each student in various assessment tools such as End semester Theory Exam (TH-ESE), End semester External Practical/Oral Exam (PR-ESE) are entered.
- The set target levels must be observable, measureable and achievable. Due to gradual increase in students' performance from first to third year of the program, if common target levels are set for all the years it may result in under or over estimation, either at first or last year of study. Hence, defining attainable target levels for each year of study seems to be more realistic. Accordingly, the target attainment levels are defined as described below.

For first year:

- Attainment LEVEL 1: 40% of the students scoring more than the set target marks in final board examination is considered to be attainment level "1".
- Attainment LEVEL 2: 50% of the students scoring more than the set target marks in final board examination is considered to be attainment level "2".
- Attainment LEVEL 3: 60% of the students scoring more than the set target marks in final board examination is considered to be attainment level "3".

For second year:

- Attainment LEVEL 1: 40% of the students scoring more than the set target marks in final board examination is considered to be attainment level "1".
- Attainment LEVEL 2: 50% of the students scoring more than the set target marks in final board examination is considered to be attainment level "2".
- Attainment LEVEL 3: 60% of the students scoring more than the set target marks in final board examination is considered to be attainment level "3".

For third year:

- Attainment LEVEL 1: 40% of the students scoring more than the set target marks in final board examination is considered to be attainment level "1".
- Attainment LEVEL 2: 50% of the students scoring more than the set target marks in final board examination is considered to be attainment level "2".
- Attainment LEVEL 3: 60% of the students scoring more than the set target marks in final board examination is considered to be attainment level "3".

- MSBTE provides result data of all affiliated programs in the form of Theory Score Index "MSBTE TSI" for the courses having theory as passing head. MSBTE TSI is average of the marks scored by the students appeared in particular exam and particular course from all the institutes affiliated to MSBTE.
- MSBTE also provides result data of programs of affiliated institute individually in the form of Institute Theory Score Index "Institute TSI" which is average of the marks scored by the students appeared in particular exam and particular course from the institute.
- Sample space of MSBTE TSI is very large as compared to Institute TSI, for averaging overall performance of the students, and hence MSBTE TSI is more reliable for defining target scores, to assess program performance at state level.
- Last three years average of MSBTE TSI of a particular course is taken as basis for deciding target marks for that course. I scheme curriculum is introduced in 2017.
- In the cases where MSBTE TSI is less than minimum passing marks, target score is set as minimum passing marks.
- Since MSBTE does not provide average marks for End semester practical/oral examination, average of score for assessment years, corresponding to level 3, is considered and attainment levels are considered as defined for TH-ESE.
- Percentage of the students scoring more than target score is calculated for all the external assessment tools.
- Achieved attainment levels are then calculated.
- Average of achieved attainment levels of a course from all applicable external assessment tools is considered as attainment through board examinations.
- CO attainment table is then prepared for attainment through board examination. MSBTE follows standard process of paper setting which takes care of attainment of all COs while designing it. Hence it is reasonable to consider that all COs are equally met and attainment calculated as above is equal for all COs of a particular course.

3.2.2.2 Measuring CO attainment through Internal Assessments:

Marks scored by the student in progressive assessment through Theory unit tests and Micro project (TH-PA), internal practical/oral/project exam (PR-ESE internal) and Progressive assessment of TW (PR-PA) are considered to be internal assessment tools. The approach used for measuring course outcomes attained through internal assessments is as described below:

- Addition of Average marks obtained in progressive theory tests (UT1, UT2) and marks awarded to Micro project are entered as TH-PA.
- Marks awarded for internal practical/oral/project exam (PR-ESE internal) are entered.
- Marks awarded for progressive assessment (PA) of TW are entered as PR-PA.
- For TH-PA strategy applied is as same as used for TH_ESE is used for deciding levels and target.
- Progressive assessment of term work is benchmarked to 60% for 1st year, 65% for 2nd year and 70% for 3rd year of relevant maximum marks.

- As per MSBTE academic calendar first term progressive unit test at the middle of the term and second at the end of term is conducted. Almost all COs are covered for most the courses in these tests and hence it is reasonable to consider their equal attainment in TH-PA assessment.
- As per MSBTE course structure internal examination is suggested for practical/oral for some of the courses and assessment of project. With respect to this it is assumed that all CO's are equally attained in these assessment heads.
- For PA of term work, All COs are covered in practicals as per MSBTE standards. Hence it is assumed that all COs are equally attained.
- Average of attainment levels measured for all internal assessment tools is taken as measured attainment through internal assessment.
- CO attainment table of attainment through board examination is then appended to include attainment through internal assessment tools.

3.2.2.3 Course Outcome Attainment:

The process used to measure overall course outcome is as follows:

- Overall attainment is then found out as: sum of 70% of attainment through board assessment tools and 30% of attainment through internal assessment tools.
- For assessment tools for courses without theory head it is as per actual distribution of marks for internal and external assessment (e, g, For project 50% for Internal+50% for external).
- Overall CO attainment is then recorded in CO attainment table.
- Target attainment value is set by the course teacher depending on the difficulty level of the course content and importance and deviation if any are noted.
- Reasons for deviations and remedial measures for the same are suggested by the course teacher for meeting the target value in the ensuing semesters.
- Higher target is set for the next batch of students when the target is achieved.
- Final co attainment is prepared, based on which the PO attainment is deduced.
- CO attainment tables of all the courses are presented below.

Academic Batch 2022-2025

SEMESTER - CO1I (MSBTE EXAM- W 21)																
Course Code	**22101**				**22102**				**22103**		**22201**		**22003**		**22005**	
Course	**ENG**				**BSC**				**BMS**		**ICT**		**EGE**		**WPC**	
Exam Head	**TH**		**PA**		**TH**		**PA**		**TH**		**PR**		**PR**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
E-TH (ESE)	3.00				0.00				2.45							
E-PR (ESE)																
I-TH (PA)		3.00				3.00				3.00						
I-PR (ESE)			3.00				3.00				3.00		3.00		3.00	
I-PR (PA)				3.00				3.00				3.00		3.00		3.00
FINAL ATTENMENT (0.7* Ext + 0.3*Int)	**3.00**				**2.25**				**2.73**		**3.00**		**3.00**		**3.00**	

SEMESTER - CO2I (MSBTE EXAM- S 22)																				
Course Code	**22215**				**22224**		**22225**				**22226**				**22009**		**22013**		**22014**	
Course	**EEC**				**AMI**		**BEC**				**PCI**				**BCC**		**CPH**		**WPD**	
Exam Head	**TH**		**PR**		**TH**		**TH**		**PR**		**TH**		**PR**		**PR**		**PR**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	0.00	3.00	3.00	3.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	3.00	3.00	3.00	0.00	3.00	3.00	3.00	3.00
E-TH (ESE)	0.00				0.00		0.00				0.00									
E-PR (ESE)																				
I-TH (PA)		3.00				0.00		0.00				0.00								
I-PR (ESE)			3.00						0.00				3.00		3.00		3.00		3.00	
I-PR (PA)				3.00						3.00				3.00		0.00		3.00		3.00
FINAL ATTENMENT (0.7* Ext + 0.3*In	**2.25**				**0.00**		**0.75**				**1.50**				**1.50**		**3.00**		**3.00**	

SEMESTER - CO3I (MSBTE EXAM- W 22)																				
Course Code	**22316**				**22317**				**22318**				**22319**				**22320**			
Course	**OOP**				**DSU**				**CGR**				**DMS**				**DTE**			
Exam Head	**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	2.40	3.00	3.00	3.00	1.84	3.00	3.00	3.00	0.00	0.00	3.00	3.00	2.16	2.94	3.00	3.00	1.29	3.00	3.00	3.00
E-TH (ESE)	2.40				1.84				0.00				2.16				1.29			
E-PR (ESE)																				
I-TH (PA)		3.00				3.00				0.00				2.94				3.00		
I-PR (ESE)			3.00				3.00				3.00				3.00				3.00	
I-PR (PA)				3.00				3.00				3.00				3.00				3.00
FINAL ATTENMENT (0.7* Ext + 0.3*In	**2.85**				**2.71**				**1.50**				**2.77**				**2.57**			

SEMESTER - CO3I (MSBTE EXAM- W 22)																				
Course Code	**22412**				**22413**				**22414**				**22415**				**22034**			
Course	**JPR**				**SEN**				**DCC**				**MIC**				**GAD**			
Exam Head	**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	1.53	3.00	0.00	0.00	0.00	1.69	3.00	3.00	0.00	3.00	3.00	3.00	0.00	2.94	3.00	3.00	0.00	0.00	3.00	3.00
E-TH (ESE)	1.53				0.00				0.00				0.00				0.00			
E-PR (ESE)																				
I-TH (PA)		3.00				1.69				3.00				2.94				0.00		
I-PR (ESE)			0.00				3.00				3.00				3.00				3.00	
I-PR (PA)				0.00				3.00				3.00				3.00				3.00
FINAL ATTENMENT (0.7* Ext + 0.3*In	**1.13**				**1.92**				**2.25**				**2.23**				**1.50**			

SEMESTER - CO3I (MSBTE EXAM- W 22)																				
Course Code	**22447**				**22516**				**22517**				**22518**				**22520**			
Course	**EST**				**OSY**				**AJP**				**STE**				**ACN**			
Exam Head	**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	1.91	2.09	0.00	0.00	3.00	3.00	3.00	3.00	0.00	3.00	3.00	3.00	3.00	2.09	3.00	3.00	3.00	3.00	3.00	3.00
E-TH (ESE)	1.91				3.00				0.00				3.00				3.00			
E-PR (ESE)																				
I-TH (PA)		2.09				3.00				3.00				2.09				3.00		
I-PR (ESE)			0.00				3.00				3.00				3.00				3.00	
I-PR (PA)				0.00				3.00				3.00				3.00				3.00
FINAL ATTENMENT (0.7* Ext + 0.3*In	**1.00**				**3.00**				**2.25**				**2.77**				**3.00**			

SEMESTER - CO3I (MSBTE EXAM- W 22)																				
Course Code	**22509**				**22616**				**22617**				**22618**				**22620**			
Course	**MAN**				**PWP**				**MAD**				**ETI**				**NIS**			
Exam Head	**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**		**TH**		**PR**	
Sub Head	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**	**ESE**	**PA**
ATTENMENT	3.00	3.00	0.00	0.00	2.93	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.81	0.00	0.00	3.00	3.00	3.00	3.00
E-TH (ESE)	3.00				2.93				3.00				3.00				3.00			
E-PR (ESE)																				
I-TH (PA)		3.00				3.00				3.00				1.81				3.00		
I-PR (ESE)			0.00				3.00				3.00				0.00				3.00	
I-PR (PA)				0.00				3.00				3.00				0.00				3.00
FINAL ATTENMENT (0.7* Ext + 0.3*In	**1.50**				**2.98**				**3.00**				**1.20**				**3.00**			

3.3. Attainment of Program Outcomes & Program Specific Outcomes (40)

3.3.1. Describe assessment tools and processes used for assessing the attainment of each POs and PSOs as mentioned 3.1.2 & 3.2.3 respectively (10)

LIST OF ASSESSMENT TOOLS AND PROCESSES:

- Two types of tools are used for assessment of attainment of POs and PSOs: **Direct and Indirect.**
- CO attainment is considered/used as direct tool for assessment of PO and PSO attainment.
- CO attainment is done through board examination and internal assessment tools specified in MSBTE norms, as explained in 3.2.2.
- Direct attainment level of a PO is determined by taking average across all courses addressing that PO.
- Exit survey of last pass out batch students about their perception of PO and PSO attainment for through the curricular and co-curricular activities may be used as indirect assessment tool of diploma program.
- For indirect attainment of POS and PSOS, same number of levels was used.
- The course PO and PSO matrix is then prepared for all the courses considering 80% of direct attainment tool and 20% of indirect attainment tool.
- The course teacher based on CO attainment then prepares PO attainment table proportionately.
- Thus, the CO PO matrix based on CO attainment is prepared by the course teacher which is considered as direct attainment of POS and PSOS.

3.3.2. Provide results of evaluation of each PO & PSO (30)

The result of evaluation of POs and PSOs for all courses is presented in this subsection-

Course PO-PSO Mapping:-

DEPARTMENT OF COMPUTER ENGINEERING

COURSE PO-PSO MAPPING (2022-2025)

Course	Semester	Course Abbr	Course Title	Course co	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
C101	CO1I	ENG	English	22101	-	-	-	-	1.00	2.00	3.00	-	-
C102	CO1I	BSC	Basic science physics and chemistry	22102	3.00	-	-	1.00	1.00	-	1.00	-	-
C103	CO1I	BMS	Basic mathematics	22103	3.00	2.00	1.00	1.00	-	-	1.00	-	-
C104	CO1I	ICT	Fundamental of ICT	22001	1.80	2.00	2.67	2.00	1.80	3.00	2.20	2.00	1.00
C105	CO1I	EGE	Engineering graphics	22003	3.00	3.00	3.00	3.00	2.00	-	2.50	1.00	1.00
C106	CO1I	WPC	Workshop practise	22005	1.60	1.60	1.00	2.00	1.00	1.00	1.60	3.00	3.00
C107	CO2I	EEC	Elements of Electrical Engg	22215	1.83	2.50	1.00	1.00	-	1.83	1.33	1.40	1.60
C108	CO2I	AMI	Applied Mathematics	22224	3.00	1.00	1.00	1.00	-	1.00	-	-	-
C109	CO2I	BEC	Basic Electronics	22225	2.00	1.80	1.40	1.60	-	1.00	2.00	2.00	2.00
C110	CO2I	PCI	Programming in C	22226	2.00	1.17	1.33	2.00	-	2.00	2.00	1.17	2.00
C111	CO2I	BCC	Business Comm. using Computers	22226	1.00	-	2.00	-	-	1.00	2.00	1.75	1.75
C112	CO2I	CPH	Comp. peripherals & H/w maintenance	22013	2.00	1.00	1.00	2.00	-	1.00	1.00	1.17	1.33
C113	CO2I	WPD	Web page designing with HTML	22014	1.17	2.00	2.00	2.00	-	2.00	2.00	2.00	2.00
C201	CO3I	OOP	Object Oriented programming using C++	22316	1.00	1.20	2.00	2.00	-	2.00	2.00	2.00	2.00
C202	CO3I	DSU	Data structure using C	22317	1.40	1.60	1.75	-	-	2.00	2.00	2.00	2.00
C203	CO3I	CGR	Computer Graphics	22318	2.00	1.50	1.83	2.00	1.67	2.00	1.33	2.00	1.67
C204	CO3I	DMS	Data Management Syystem	22319	2.00	-	1.00	1.00	-	-	1.00	1.00	-
C205	CO3I	DTE	Digital Techniques	22320	1.00	1.00	1.00	1.00	-	1.00	-	1.00	-
C206	CO4I	JPR	Java Programming	22412	2.00	1.00	1.17	1.50	-	2.00	2.00	2.33	2.33
C207	CO4I	SEN	Software Engineering	22413	1.00	1.40	1.40	1.80	1.50	1.20	1.40	2.00	1.20
C208	CO4I	DCC	DataCommunivation and Computer Network	22414	1.00	1.33	1.40	1.00	-	-	1.00	1.00	1.25
C209	CO4I	MIC	Microprocessors	22415	1.20	1.40	1.20	1.00	-	1.00	-	1.00	-
C210	CO4I	GAD	GUI Application Development using VB.NET	22034	1.20	1.60	1.60	1.40	-	1.40	1.20	2.00	1.40
C301	CO5I	EST	Environmental studies	22447	1.00	1.00	1.00	-	1.20	-	-	-	-
C302	CO5I	OSY	Operating System	22516	1.17	1.17	1.50	-	1.83	2.00	1.50	1.33	1.20
C303	CO5I	AJP	Advanced Java Programming	22517	1.17	1.33	1.17	1.33	1.00	1.00	1.83	1.67	2.00
C304	CO5I	STE	Software Testing	22518	1.00	1.00	1.20	1.00	1.00	1.25	1.33	1.60	-
C305	CO5I	"ACN"	Advanced Computer and Network	22520	1.00	1.00	1.00	1.00	-	-	1.00	1.25	1.00
C306	CO5I	ITR	Industrial training	22057	2.00	2.50	2.50	2.40	-	3.00	3.00	3.00	3.00
C307	CO5I	CPP	Capstone Project Planning	22058	2.86	2.67	2.00	2.00	2.33	2.14	2.00	2.14	2.00
C308	CO6I	MAN/ MG	Management	22509	3.00	2.00	2.00	2.00	1.00	2.00	1.00	1.00	1.00
C309	CO6I	PWP	Programming with Python	22616	3.00	1.00	2.00	1.00	-	-	1.00	1.00	-
C310	CO6I	MAD	Mobile Application Development	22617	1.67	1.75	1.00	1.00	1.00	1.00	1.20	3.00	3.00
C311	CO6I	ETI	Emerging Trends in Information Technology	22618	1.17	1.33	1.17	1.33	1.67	1.00	1.17	1.67	1.17
C312	CO6I	NIS	Security	22620	1.40	2.00	1.00	1.00	-	1.33	1.00	1.00	1.00
C313	CO6I	EDE	Entrepreneurship development	22032	-	-	-	-	1.00	1.00	1.00	-	-
C314	CO6I	CPE	Capstone project execution and report writing	22060	2.44	1.89	2.00	2.22	2.78	2.33	2.33	2.44	2.44
				AVG	1.77	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74

PO-PSO Direct Attainment: -

PO-PSO Direct Attainment (2022-2025)														
Course	**Semester**	**Course Abbr**	**Course Title**	**Course code**	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PSO1**	**PSO2**
C101	CO1I	ENG	English	22101	-	-	-	-	1.00	2.00	3.00	-	-
C102	CO1I	BSC	Basic science physics and chemistry	22102	0.90	-	-	0.30	0.30	-	0.30	-	-
C103	CO1I	BMS	Basic mathematics	22103	2.62	1.75	0.87	0.87	-	-	0.87	-	-
C104	CO1I	ICT	Fundamental of ICT	22001	1.80	2.00	2.67	2.00	1.80	3.00	2.20	2.00	1.00
C105	CO1I	EGE	Engineering graphics	22003	3.00	3.00	3.00	3.00	2.00	-	2.50	1.00	1.00
C106	CO1I	WPC	Workshop practise	22005	1.60	1.60	1.00	2.00	1.00	1.00	1.60	3.00	3.00
C107	CO2I	EEC	Elements of Electrical Engg	22215	0.55	0.75	0.30	0.30	-	0.55	0.40	0.42	0.48
C108	CO2I	AMI	Applied Mathematics	22224	0.00	0.00	0.00	0.00	-	0.00	-	-	-
C109	CO2I	BEC	Basic Electronics	22225	0.20	0.18	0.30	0.16	-	0.10	0.20	0.20	0.20
C110	CO2I	PCI	Programming in C	22226	0.40	0.57	0.53	0.40	-	0.40	0.40	0.57	0.40
C111	CO2I	BCC	Business Comm. using Computers	22009	0.30	-	0.60	-	-	0.90	0.60	0.53	0.53
C112	CO2I	CPH	Comp. peripherals & H/w maintenance	22013	1.20	-	1.50	-	-	0.60	0.60	1.60	1.60
C113	CO2I	WPD	Web page designing with HTML	22014	1.18	-	1.22	-	-	0.98	1.00	1.28	1.20
C201	CO3I	OOP	Object Oriented programming using C++	22316	1.72	2.41	2.41	1.72	-	1.72	1.72	2.41	1.72
C202	CO3I	DSU	Data structure using C	22317	1.75	1.90	1.28	-	-	2.19	2.19	1.46	2.19
C203	CO3I	CGR	Computer Graphics	22318	0.60	0.50	0.37	0.45	-	0.53	0.27	0.53	0.33
C204	CO3I	DMS	Data Management Syystem	22319	3.00	-	2.00	2.00	-	-	1.00	1.00	-
C205	CO3I	DTE	Digital Techniques	22320	1.20	-	1.32	-	-	0.60	-	0.60	-
C206	CO4I	JPR	Java Programming	22412	0.91	1.37	1.30	1.37	-	0.91	1.37	1.37	1.37
C207	CO4I	SEN	Software Engineering	22413	0.36	0.67	0.56	-	-	0.62	0.46	0.56	0.36
C208	CO4I	DCC	DataCommunivation and Computer Network	22414	0.84	0.40	0.48	0.30	-	-	0.30	0.60	0.45
C209	CO4I	MIC	Microprocessors	22415	0.60	-	0.66	0.30	-	0.00	-	0.30	-
C210	CO4I	GAD	GUI Application Development using VB.NET	22034	1.80	1.56	1.80	1.20	-	0.00	1.20	1.20	1.56
C301	CO5I	EST	Environmental studies	22447	0.65	1.18	0.65	-	1.31	-	-	-	-
C302	CO5I	OSY	Operating System	22516	2.00	2.00	1.50	-	1.83	2.00	2.67	3.00	2.20
C303	CO5I	AJP	Advanced Java Programming	22517	0.45	0.55	0.45	0.70	0.30	0.30	0.55	0.90	0.90
C304	CO5I	STE	Software Testing	22518	1.75	0.97	1.75	0.97	0.97	1.21	1.29	2.91	-
C305	CO5I	"ACN"	Advanced Computer and Network	22520	1.00	1.00	1.00	1.00	-	-	1.00	1.25	1.00
C306	CO5I	ITR	Industrial training	22057	1.20	1.50	1.50	1.44	-	0.00	1.80	1.80	1.80
C307	CO5I	CPP	Capstone Project Planning	22058	1.71	1.60	1.20	1.20	-	1.29	1.20	1.29	1.20
C308	CO6I	MAN/ M	Management	22509	3.00	2.00	2.00	2.00	1.00	2.00	1.00	1.00	1.00
C309	CO6I	PWP	Programming with Python	22616	2.95	0.98	1.97	0.98	-	-	0.98	0.98	-
C310	CO6I	MAD	Mobile Application Development	22617	1.67	1.75	1.00	1.00	1.00	1.00	1.20	3.00	3.00
C311	CO6I	ETI	Emerging Trends in Information Technology	22618	1.03	1.18	1.03	1.18	1.47	0.88	1.03	1.47	1.03
C312	CO6I	NIS	Security	22620	1.00	1.00	1.00	1.00	-	1.00	1.00	1.00	1.00
C313	CO6I	EDE	Entrepreneurship development	22032	-	-	-	-	0.60	0.60	0.60	-	-
C314	CO6I	CPE	Capstone project execution and report writing	22060	1.47	1.13	1.20	1.33	1.67	1.40	1.40	1.47	1.47
				AVG	**1.33**	**1.27**	**1.19**	**1.08**	**1.16**	**0.96**	**1.15**	**1.31**	**1.23**

PO-PSO Indirect Attainment (Exit Batch Survey):-

Sr. NO	Enrollment Number	Name	PO 1: Basic and Discipline specific knowledge	PO 2: Problem analysis	PO 3: Design/ development of solutions	PO 4: Engineering Tools, Experimentation and Testing	PO 5: Engineering practices for society, sustainability and environment	PO 6: Project Management	PO 7: Life-long learning	PSO 1: Computer Software and Hardware Usage	PSO 2: Computer Engineering Maintenance
1	2211630135	JADHAV BHAGAWAT DNYANOBA									
2	2211630136	GUPTA KRISHNA SUNIL									
3	2211630137	SHINDE RAMESHWAR VISHWAMBHAR									
4	2211630138	CHEMELE ASMITA PRAKASH									
5	2211630142	AVHAD NEHA GAJANAN									
6	2211630144	SUVARNKAR VARADVINAYAK SHIVANAND									
7	2211630145	AKHARE SHIVANI DEVIDASRAO									
8	2211630146	BACHPALLE SUPRIYA GORAKH									
9	2211630147	BHATT ANUSHKA UMESH									
10	2211630148	BHUSAGIRE NITIN BALAJIREDDY									
11	2211630149	FAVADE RANI NAGNATH									
12	2211630150	GAIKWAD ANKITA HIRAMAN									
13	2211630151	GAIKWAD PARASRAM VILAS									
14	2211630155	BOKHARE KOMAL NAGORAO									
15	2211630156	JADHAV VAIBHAV RAJEBHAU									
16	2211630159	KADAM PALLAVI MAROTI									
17	2211630160	KALE SANKET PRADIP									
18	2211630162	KAMORE GAYATRI RAJU									
19	2211630163	KADAM PAVAN KASHINATH									
20	2211630164	KANPUDE GOVIND VISHNU									
21	2211630166	KHANDARE NIYATI GULAB									
22	2211630167	KHANDARE SUHAS BABURAO									
23	2211630168	KOMPALE PUNAM BHARAT									
24	2211630169	LANDGEKAR SADHANA DEVIDAS									
25	2211630171	MASKE SHREYA PREM									
26	2211630172	MULE KALYANI NIVRUTI									
27	2211630174	MUTKULE SHRADHA VAIJANATH	**2.32**	**2.24**	**2.56**	**2.12**	**2.36**	**2.64**	**2.36**	**2.36**	**2.32**
28	2211630175	NADRE VAMAN LIMABAJI									
29	2211630177	NAIK MANJUSHA LAXMIKANT									
30	2211630178	NAMEWAR GAYATRI PRAKASH									
31	2211630179	NARHARE SAMIKSHA RAVINDRA									
32	2211630180	NAGALGAVE BHIMASHANKAR SIDDHESHWAR									
33	2211630181	NAVGHARE MADAN VIKRAM									
34	2211630182	PALWADE VAIBHAV SUGRIV									
35	2211630183	PANDEY RASHMI DAYANAND									
36	2211630184	PATIL GANESH SURESH									
37	2211630187	SHRIDHAR RAMESH KADAM									
38	2211630188	SHENDGE ADITYA RATNESHWAR									
39	2211630189	TAWDE GAYATRI RAM									
40	2211630190	PUROHIT GAURI LAXMIKANT									
41	2211630191	WAGHMARE OMKAR SHIVAJI									
42	2211630192	RAUT VYANKATESH SANTOSH									
43	2211630193	YARGATWAR DHIRAJ NAGNATH									
44	2211630194	SALUNKE SHITAL BHAGWAN									
45	2211630195	YARGATWAR NAMITA GANGAPRASAD									
46	2211630196	SAWANT MAMTA BHAGWAN									
47	2211630197	PURI VEDANT JAGANNATH									
48	2211630198	SHINDE BHAGWAT DEVIDAS									
49	2211630201	PATIL RADHA SHIVAJI									
50	2211630202	SALEGAONKAR SNEHAL PRAMOD									
51	23510290047	NARDELE GAYATRI RAJARAM									
52	23510290048	KUBADE SAKSHI VISHVNATH									
53	23510290044	CHAMBALWAR MAYUR NARSING									
54	23510290046	PAPPULWAR SANDIP SANJAY									

PO-PSO Attainment & GAP Analysis:-

DEPARTMENT OF COMPUTER ENGINEERING

PO-PSO Attenment & GAP Analysis (2022-2025)

Sr. no	CO-PO Attenment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
a	CP-PO Mapping	1.77	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74
b	Direct Attainment (Academic Performance)	1.33	1.27	1.19	1.08	1.16	0.96	1.15	1.31	1.23
c	Indirect Attainment (Exit Survey)	2.32	2.24	2.56	2.12	2.36	2.64	2.36	2.36	2.32
d	Overall achived CO-PO Attainment (80%(b)+20%(c))	1.52	1.46	1.46	1.29	1.40	1.29	1.39	1.52	1.45
e	GAP ((a)-(d))	0.25	0.12	0.05	0.25	0.06	0.31	0.21	0.19	0.30
	Percentage of Attainment	85.98	92.19	96.96	83.93	96.08	80.74	86.71	89.15	83.04
	Percentage of GAP	16.31	8.47	3.14	19.15	4.08	23.85	15.33	12.16	20.43

DEPARTMENT OF COMPUTER ENGINEERING

PO-PSO Attenment & GAP Analysis (2021-2024)

Sr. no	CO-PO Attenment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
a	CP-PO Mapping	1.78	1.59	1.52	1.54	1.46	1.60	1.62	1.72	1.76
b	Direct Attainment (Academic Performance)	1.20	1.02	1.05	0.95	1.09	0.79	1.00	1.13	1.00
c	Indirect Attainment (Exit Survey)	2.31	2.27	2.50	2.27	2.38	2.58	2.46	2.31	2.42
d	Overall achived CO-PO Attainment (80%(b)+20%(c))	1.42	1.27	1.34	1.21	1.35	1.15	1.29	1.36	1.28
e	GAP ((a)-(d))	0.36	0.32	0.17	0.33	0.11	0.45	0.33	0.35	0.48
	Percentage of Attainment	79.95	79.70	88.47	78.53	92.65	71.78	79.80	79.42	72.76
	Percentage of GAP	25.08	25.47	13.03	27.34	7.94	39.32	25.32	25.91	37.44

DEPARTMENT OF COMPUTER ENGINEERING

PO-PSO Attenment & GAP Analysis (2020-2023)

Sr. no	CO-PO Attenment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
a	CP-PO Mapping	1.82	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74
b	Direct Attainment (Academic Performance)	1.27	1.14	1.10	0.96	0.93	0.90	1.02	1.14	1.07
c	Indirect Attainment (Exit Survey)	2.29	2.26	2.45	2.29	2.35	2.61	2.52	2.29	2.45
d	Overall achived CO-PO Attainment (80%(b)+20%(c))	1.47	1.36	1.37	1.23	1.21	1.24	1.32	1.37	1.35
e	GAP ((a)-(d))	0.34	0.23	0.14	0.31	0.25	0.36	0.28	0.34	0.40
	Percentage of Attainment	81.16	85.79	90.85	79.83	83.18	77.54	82.37	80.30	77.20
	Percentage of GAP	23.21	16.57	10.07	25.27	20.22	28.97	21.41	24.53	29.54

CRITERION 4	STUDENTS PERFORMANCE	200M

4.1	Enrolment Ratio (20 M)	Claimed: 20

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY 2024-25	CAYm1 2023-24	LYG CAYm2 2022-23	LYGm1 CAYm3 2021-22	CAYm4 2020-21	CAYm5 2019-20
Sanctioned intake of the program (N)	**60**	**60**	**60**	**60**	**60**	**60**
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus no. of students migrated to this program (N1)	**57**	**58**	**58**	**54**	**58**	**42**
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	-	**8**	**8**	**12**	**8**	**24**
Separate division students, if applicable (N3)	-	-	-	-	-	-
Total number of students admitted in the Program (N1 + N2 + N3)	**57**	**66**	**66**	**66**	**66**	**66**

Table 4.2

Year of Entry	Total No of students admitted in the program (N1+N2+N3)	Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study)		
		1st yr	2nd yr	3rd yr
2024-25	**57**	28	---	---
2023-24	**66**	42	28	---
2022-23	**66**	11	12	11
2021-22	**66**	9	16	14
2020-21	**66**	47	31	18
2019-20	**66**	13	31	26

Table 4.3

Year of Entry	Total No of students admitted in the program (N1+N2+N3)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)		
		1st yr	2nd yr	3rd yr
2024-25	**57**	41	---	---
2023-24	**66**	56	47	---
2022-23	**66**	24	47	48
2021-22	**66**	31	43	38
2020-21	**66**	53	34	28
2019-20	**66**	40	55	44

Enrolment Ratio = N1/N

Average of Total students admitted in the 1st year / Sanctioned intake of program for the previous 3 academic years including Current Academic Year (CAY)

Table 4.4

Year	N (Table 4.1)	N1 (Table 4.1)	Enrolment Ratio (ER) = N1/N	Average ER {(ER1+ER2+ER3)/3}
CAY: 2024-25	**60**	57	**95**	**96.114**
CAYm1: 2023-24	**60**	58	**96.67**	**94.447**
CAYm2: 2022-23	**60**	58	**96.67**	**94.447**
CAYm3: 2021-22	**60**	54	**90**	**85.557**
CAYm4: 2020-21	**60**	58	**96.67**	**---**
CAYm5: 2019-20	**60**	42	**70**	**---**

Item (Students enrolled at the First Year Level on average basis during the last three years starting from current academic year)	Marks
>=90% students enrolled	**92.65%**
>=80% students enrolled	
>=70% students enrolled	
>=60% students enrolled	
Otherwise	

4.2	**Success rate in the stipulated period of the program (60 M)**	**Claimed:**

4.2.1	**Success rate without backlogs in any semester/year of study (40 M)**	**Claimed: 09**

SI = (Number of students who have graduated from the program without backlog)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)
Average SI = Mean of Success Index (SI) for past three batches

Table 4.5

Item	LYG 2022-23	LYGm1 2021-22	LYGm2 2020-21	LYGm3 2019-20	LYGm4 2018-19
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable (X)	**66**	**66**	**66**	**66**	**40**
Number of students who have graduated without backlogs in the stipulated period (Y)	**11**	**14**	**18**	**26**	**24**
Success Index (SI=Y/X)	0.167	0.213	0.273	0.394	0.6
Average SI = [(SI1 + SI2 + SI3) / 3]	**0.218**	**0.294**	**0.423**	---	---
Success rate without backlogs in any year of study= 40 X (Average SI)	**8.72**	**11.76**	**16.92**	---	---

4.2.2	Success rate in stipulated period (With and Without Backlog) (20 M)	Claimed: 12

SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)
Average SI = mean of Success Index (SI) for past three batches.

Table 4.6

Item	LYG 2022-23	LYGm1 2021-22	LYGm2 2020-21	LYGm3 2019-20	LYGm4 2018-19
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable (X)	**66**	**66**	**66**	**66**	**40**
Number of students who have graduated with & without backlogs in the stipulated period (Y)	**48**	**38**	**28**	**44**	**36**
Success Index (SI=Y/X)	0.728	0.576	0.425	0.667	0.9
Average SI = [(SI1 + SI2 + SI3) / 3]	**0.577**	**0.556**	**0.664**	---	---
Success rate without backlogs in any year of study= 20 X (Average SI)	**11.54**	**11.12**	**13.28**	---	---

4.3	Academic performance in First year (25 M)	Claimed: 13

*Academic Performance Level = 2.5 * Average API*
API = ((Mean of 1st Year Grade Point Average of all successful Students on a 10-point scale) or (Mean of the percentage of marks of all successful students in First Year/ 10)) x (successful students/number of students appeared in the examination).
Successful students are those who are permitted to proceed to the second year.

Table 4.7

Academic Performance	2024-25	2023-24	2022-23	2021-22	2020-21
Mean of CGPA or Mean Percentage of all successful students (X)	**7.289**	**7.271**	6.504	6.272	6.771
Total no. of successful students (Y)	**41**	**52**	23	29	50
Total no. of students appeared in the examination (Z)	**55**	**54**	54	50	55
API = X* (Y/Z)	**5.434**	**7.002**	2.771	3.638	6.156
Average API= [(AP1 + AP2 + AP3)/3]	**5.069**	**4.471**	4.189		
Academic Performance Level = 2.5 * Average API = 2.5 *5.069 = 13					

4.4	Academic performance in second year (20 M)	Claimed: 11

*Academic Performance Level = 2.0 * Average API*
API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/ 10)) x (successful students/number of students appeared in the examination)
Successful students are those who are permitted to proceed to the final year

Table 4.8

Academic Performance	2023-24	2022-23	2021-22	2020-21	2019-20
Mean of CGPA or Mean Percentage of all successful students (X)	**7.208**	**6.596**	**7.155**	**6.955**	**7.638**
Total no. of successful students (Y)	**47**	**43**	**43**	**44**	**55**
Total no. of students appeared in the examination (Z)	**64**	**59**	**52**	**60**	**62**
API = X* (Y/Z)	**5.294**	**4.808**	**5.917**	**5.101**	**6.776**
Average API= [(AP1 + AP2 + AP3)/3]	**5.34**	**5.276**	**5.932**		
Academic Performance Level = 2.0 * Average API = 2.0 * 5.384 = 11					

4.5	Academic performance in Final year (15 M)	Claimed: 11

*Academic Performance Level =1.5 * Average API (Academic Performance Index)*
API = (Mean of Final Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Final Year/10) x (successful students/number of students appeared in the examination)
Successful students are those who passed in all the final year courses

Table 4.9

Academic Performance	2022-23	2021-22	2020-21	2019-20	2018-19
Mean of CGPA or Mean Percentage of all successful students (X)	**7.92**	**7.93**	**7.341**	**6.944**	**7.575**
Total no. of successful students (Y)	**47**	**38**	**28**	**44**	**36**
Total no. of students appeared in the examination (Z)	**51**	**41**	**51**	**54**	**36**
API = X* (Y/Z)	**7.299**	**7.35**	**4.031**	**5.659**	**7.575**
Average API= [(AP1 + AP2 + AP3)/3]	**6.227**	**5.68**	**5.755**		
Academic Performance Level = 1.5 * Average API = 1.5 * 7.214 = 10.821					

4.6	Placement, higher studies and entrepreneurship (40 M)	Claimed: 40

Table 4.10

Item	LYG 2022-23	LYGm1 2021-22	LYGm2 2020-21
Total No. of Final Year Students (N)	48	38	28
No. of students placed in companies or Government Sector (X)	0	0	0
No. of students admitted to higher studies (Y)	48	38	28
No. of students turned entrepreneur in engineering/technology (Z)	0	0	0
1.25X+Y+Z	48	38	28
Placement Index (P): (1.25X + Y + Z)/N	1.00	1.00	1.00
Average placement = [(P1 + P2 + P3)/3]	1.00		
Assessment Points = [40 × average placement]	**40.00**		

4.6. a. Provide the placement data in the below mentioned format with the name of the program and the assessment year (separately for CAYm1, CAYm2 and CAYm3):

Table 4.11

Programs Name: CO			**Assessment Year: 2022-23**
Sr. No.	Enrolment No.	Name of the student placed	Name of the Employer
1	2111635306	Vaishnavi Shriram Nevhal	Dhoot transmission Pvt Ltd.
2	2111630033	Ritika Sunil Dayama	Dhoot transmission Pvt Ltd.
3	2011630038	Renuka Bhaskarrao Shinde	Dhoot transmission Pvt Ltd.
4	2111630040	Priyanka Gautam Kamble	Dhoot transmission Pvt Ltd.
5	201630036	Anandrao Laxmanrao Kshirsagar	Dhoot transmission Pvt Ltd.
6	2011630035	Komal Gopinath Jadhav	Dhoot transmission Pvt Ltd.
7	2011630032	Shriom Dhirajlal Jaiswal	Dhoot transmission Pvt Ltd.
8	2011630031	Sumit Pandharinath Kaware	Dhoot transmission Pvt Ltd.
9	2011630023	Harshada Harishkumar Kalyankar	Dhoot transmission Pvt

			Ltd.
10	2011630018	Dattatrya Balaji Raut	Dhoot transmission Pvt Ltd.
11	2011630015	Swati Subhash Narwade	Dhoot transmission Pvt Ltd.
12	2011630010	Shridhar Dattatrya Borule	Dhoot transmission Pvt Ltd.
13	2011630011	Shrusti Shashikant Kaulwar	Dhoot transmission Pvt Ltd.
14	2011630009	Nisha Vasant Chaugule	Dhoot transmission Pvt Ltd.
15	2011630008	Babita Devidas Narwade	Dhoot transmission Pvt Ltd.
16	2011630004	Pranav Adesh Panchwatkar	Dhoot transmission Pvt Ltd.
17	1911630028	Sadik Dilkhush Korabu	Dhoot transmission Pvt Ltd.
18		Vaishnavi Rangnath Shinde	Dhoot transmission Pvt Ltd.
19	2111630053	Payal Ramesh Dhule	Dhoot transmission Pvt Ltd.
20	2111630005	Sumit Mallikarjun Narwade	Dhoot transmission Pvt Ltd.
21	2011630042	Devrao Laxman Gaikwad	Dhoot transmission Pvt Ltd.
22	2111630028	Ashish Ghaneshyam Sarda	Dhoot transmission Pvt Ltd.
23		Omkar Mallikarjun Ghopchade	Dhoot transmission Pvt Ltd.
24	2011630046	Munja Arjun Sakhare	Dhoot transmission Pvt Ltd.
25	2011630041	Yash Sanjay Pawar	Dhoot transmission Pvt Ltd.
26	2111630024	Ashtavinayak Panjabrao Lekule	Dhoot transmission Pvt Ltd.
27	2011630063	Rushikesh Nagorao Wakode	Dhoot transmission Pvt Ltd.
28	2111630229	Sahil Sunil Sahu	Dhoot transmission Pvt Ltd.

Programs Name: CO			**Assessment Year: 2021-22**
Sr. No.	Enrolment No.	Name of the student placed	Name of the Employer
1	2011630166	Pooja Ashok Zare	Dhoot transmission Pvt Ltd.
2	1911630040	Ankita Shirfule	Dhoot transmission Pvt Ltd.
3	1911630044	Nisha Anand Sharma	Dhoot transmission Pvt Ltd.
4	1911630037	Neha Yargatwar	Dhoot transmission Pvt

			Ltd.
5	2011630156	Gayatri Dilip Pawar	Dhoot transmission Pvt Ltd.
6	1911630012	Anjali Gautam	Dhoot transmission Pvt Ltd.
7	1911630013	Nikita Sinha	Dhoot transmission Pvt Ltd.
8	1911630006	Pooja Kadam	Dhoot transmission Pvt Ltd.
9	1911630045	Kiran Bhokare	Dhoot transmission Pvt Ltd.
10	1911630031	Shraddha Panadwar	Dhoot transmission Pvt Ltd.
11	2011630165	Neha Yadav	Dhoot transmission Pvt Ltd.
12	1911630038	Abhishek V Rakshale	Dhoot transmission Pvt Ltd.
13	1911630020	Maharudra Khetre	Dhoot transmission Pvt Ltd.
14	2011630151	Prathamesh Malode	Dhoot transmission Pvt Ltd.
15	1911630036	Niranjan Shelke	Dhoot transmission Pvt Ltd.
16	1911630048	Omkar Dahale	Dhoot transmission Pvt Ltd.
17	1911630035	Santosh Ganesh Khandagale	Dhoot transmission Pvt Ltd.
18	2011630160	Farid Shaikh	Dhoot transmission Pvt Ltd.
19	2011630153	Mopkar Rutuja Vishnu	Dhoot transmission Pvt Ltd.
20	1911630015	Karan Patange	Dhoot transmission Pvt Ltd.
21	1911630027	Shantanu Bedarkar	Dhoot transmission Pvt Ltd.
22	2011630145	Nagesh Kadam	Dhoot transmission Pvt Ltd.
23	2011630146	Akash S Kale	Dhoot transmission Pvt Ltd.
24	2011630159	Dnyaneshwar Sadhal	Dhoot transmission Pvt Ltd.
25	2011630166	Pooja Ashok Zare	Dhoot transmission Pvt Ltd.
26	1911630040	Ankita Shirfule	Dhoot transmission Pvt Ltd.

4.7	**Professional activities (20 M)**	**Claimed: 20**

4.7.1	**Professional societies/ Student chapters and organizing technical events (10 M)**	**Claimed: 10**

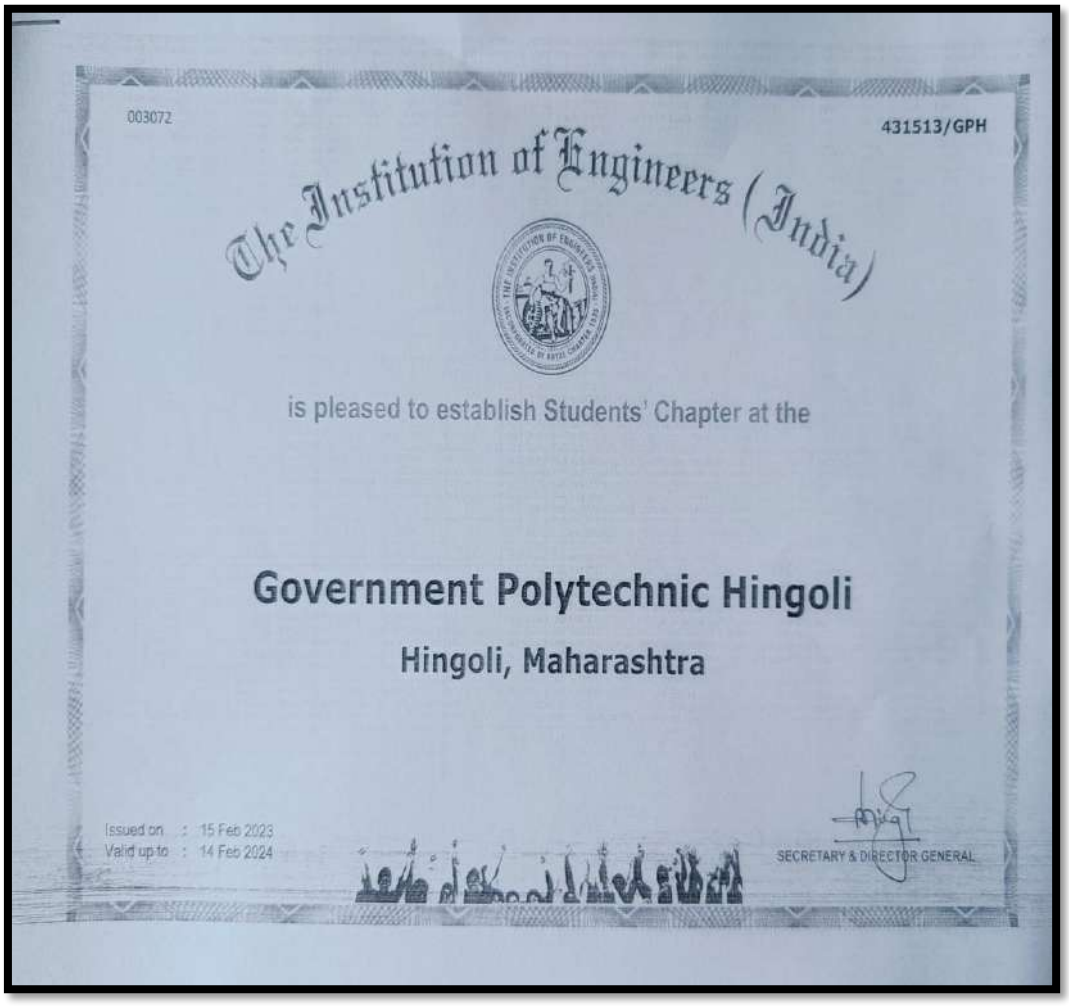
4.7.1 Professional societies/ student chapters and organizing technical events (10) Institute Marks10.00

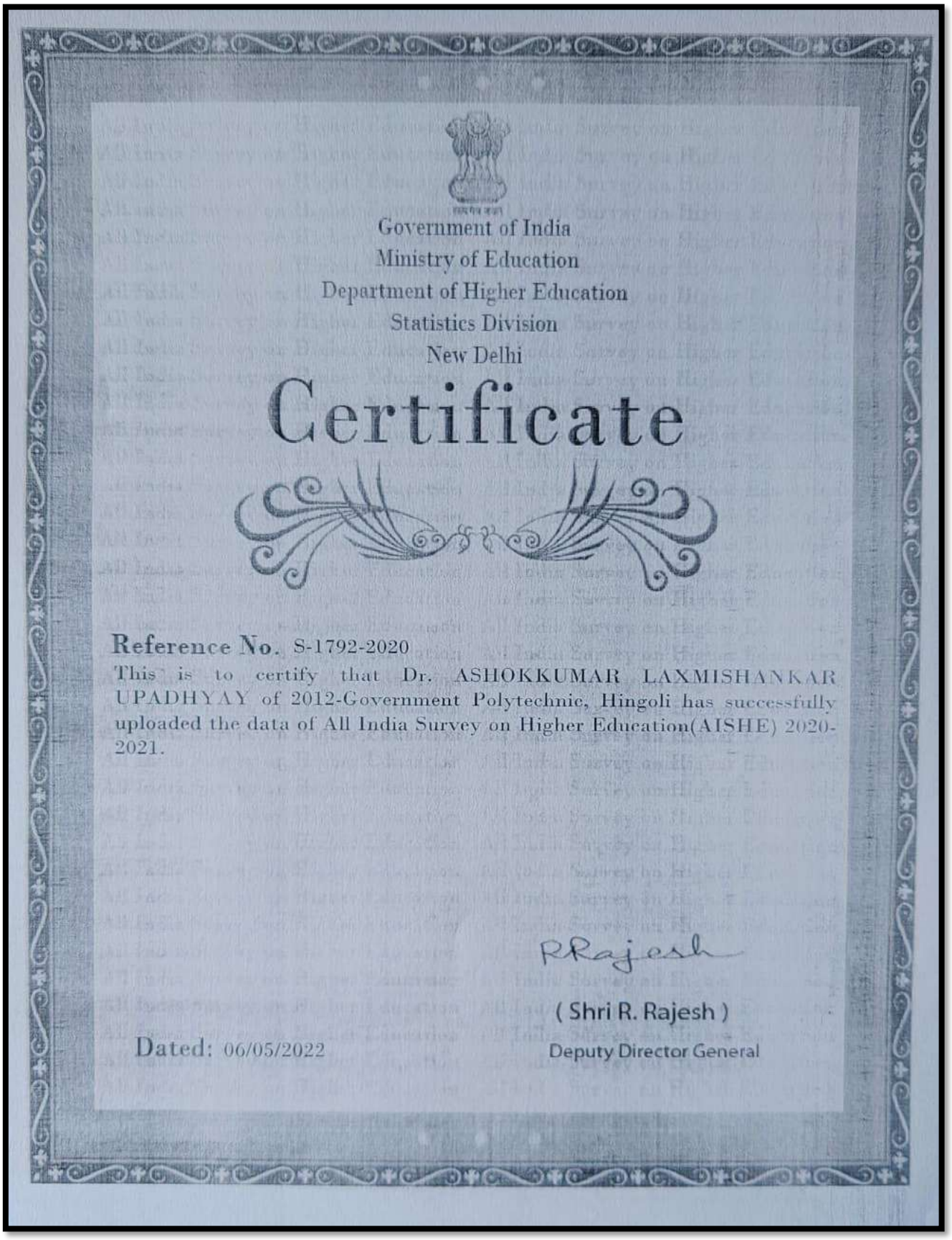
A. Availability of Professional Societies/Chapters & Relevant activities (5) Institute Marks 5.00

Following Professional Societies are active in the institute

1. Indian Society for Technical Education (ISTE)
2. The Institution of Engineers (IEI)
3. Ministry of Education New Delhi

Maximum students from Computer Engineering are active members of professional society student chapters. Under these professional societies we conduct different engineering events such as Technical Poster presentation, Quiz Competition, Expert Lectures etc. through professional societies activities students are aware of recent trends in engineering and get motivation for achieving their target.





Government of India
Ministry of Education
Department of Higher Education
Statistics Division
New Delhi

Certificate

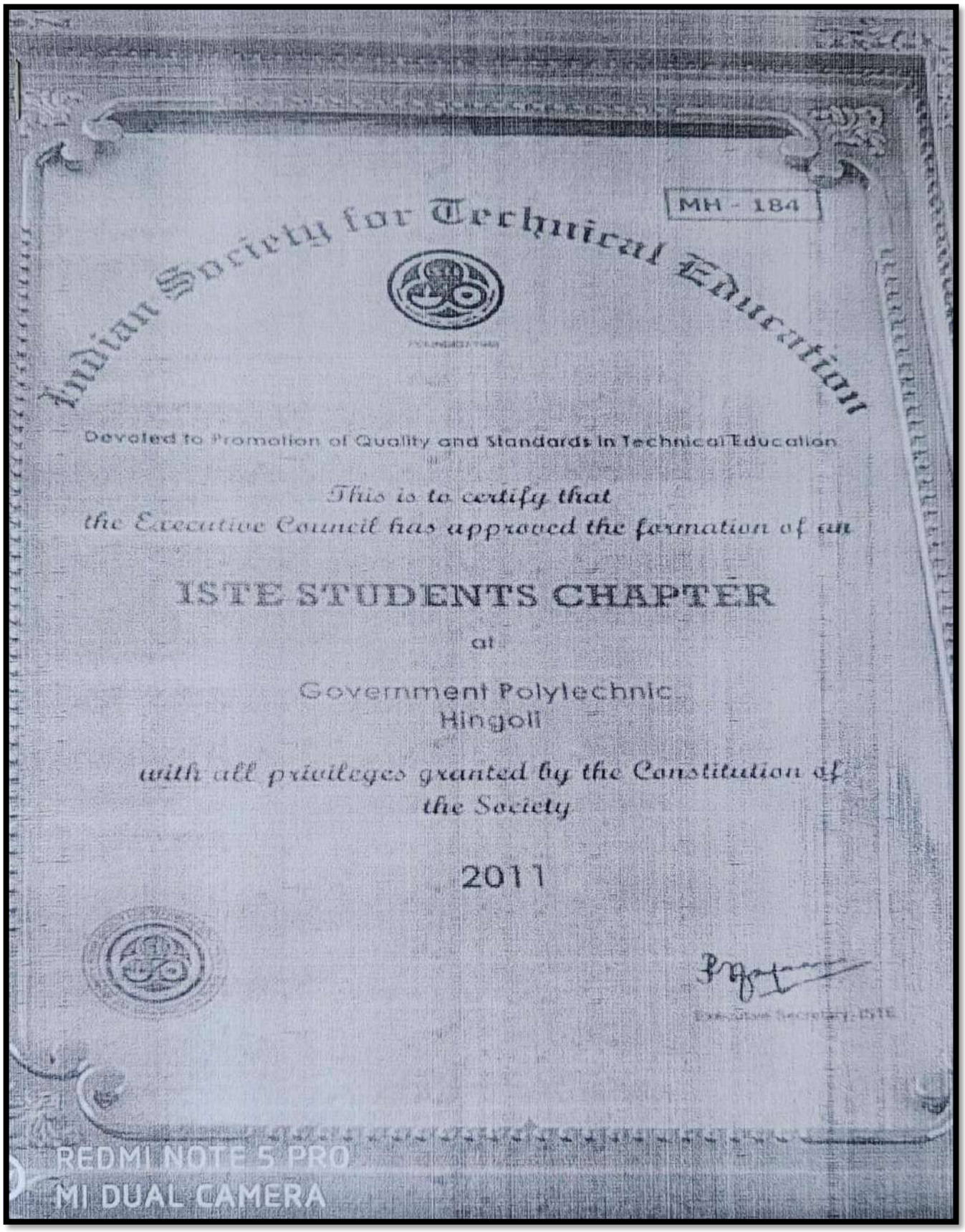
Reference No. S-1792-2020

This is to certify that Dr. ASHOKKUMAR LAXMISHANKAR UPADHYAY of 2012-Government Polytechnic, Hingoli has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2020-2021.

RRajesh

(Shri R. Rajesh)
Deputy Director General

Dated: 06/05/2022



MH - 184

Indian Society for Technical Education

Devoted to Promotion of Quality and Standards in Technical Education

This is to certify that
the Executive Council has approved the formation of an

ISTE STUDENTS CHAPTER

at

Government Polytechnic,
Hingoli

with all privileges granted by the Constitution of
the Society

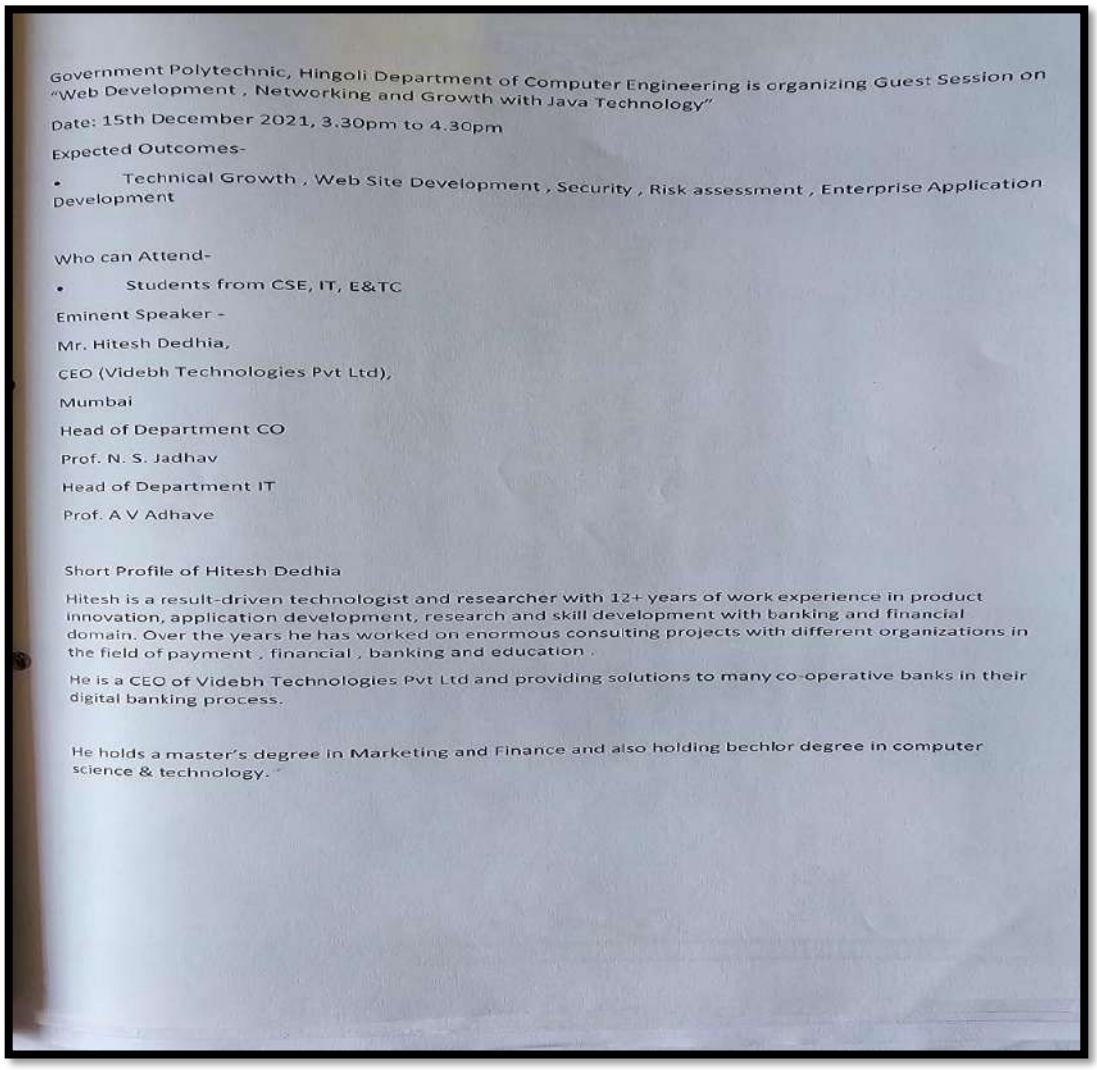
2011

B. Number, quality of engineering events (5) Institute Marks 5.00

Computer Engineering Program is organizing different engineering events for the following purposes

1. To aware students for content beyond syllabus through seminars, Expert lectures, hands on practice, Poster Presentation, Workshops etc.
2. To aware students for actual work of industry through industrial visits, Expert lectures etc.
3. To enhance Employability skill of students through expert lectures, Aptitude tests, workshops etc.
4. To Develop Personality of students through expert lectures, Aptitude tests, workshops etc.

Expert **Lectures**



Government Polytechnic, Hingoli Department of Computer Engineering is organizing Guest Session on "Web Development , Networking and Growth with Java Technology"

Date: 15th December 2021, 3.30pm to 4.30pm

Expected Outcomes-

- Technical Growth , Web Site Development , Security , Risk assessment , Enterprise Application Development

Who can Attend-

- Students from CSE, IT, E&TC

Eminent Speaker -

Mr. Hitesh Dedhia,

CEO (Videbh Technologies Pvt Ltd),

Mumbai

Head of Department CO

Prof. N. S. Jadhav

Head of Department IT

Prof. A V Adhave

Short Profile of Hitesh Dedhia

Hitesh is a result-driven technologist and researcher with 12+ years of work experience in product innovation, application development, research and skill development with banking and financial domain. Over the years he has worked on enormous consulting projects with different organizations in the field of payment , financial , banking and education .

He is a CEO of Videbh Technologies Pvt Ltd and providing solutions to many co-operative banks in their digital banking process.

He holds a master's degree in Marketing and Finance and also holding bechlor degree in computer science & technology.

राष्ट्रोद्धाराय तंत्र शिक्षणम्

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३

दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट www.gphingoli.in

संगणक विभाग, शासकीय तंत्रनिकेत, हिंगोली

GPH/CO/Ex.Lect./2022/ ९५ Date: 20-04-2022

To,

Mr. Akash S. Sangekar
Assistant Sub Inspector,
Police Wireless Inspector,
Hingoli.

Sub: Invitation for delivering Expert Lecture on **"Wireless Communication"**.

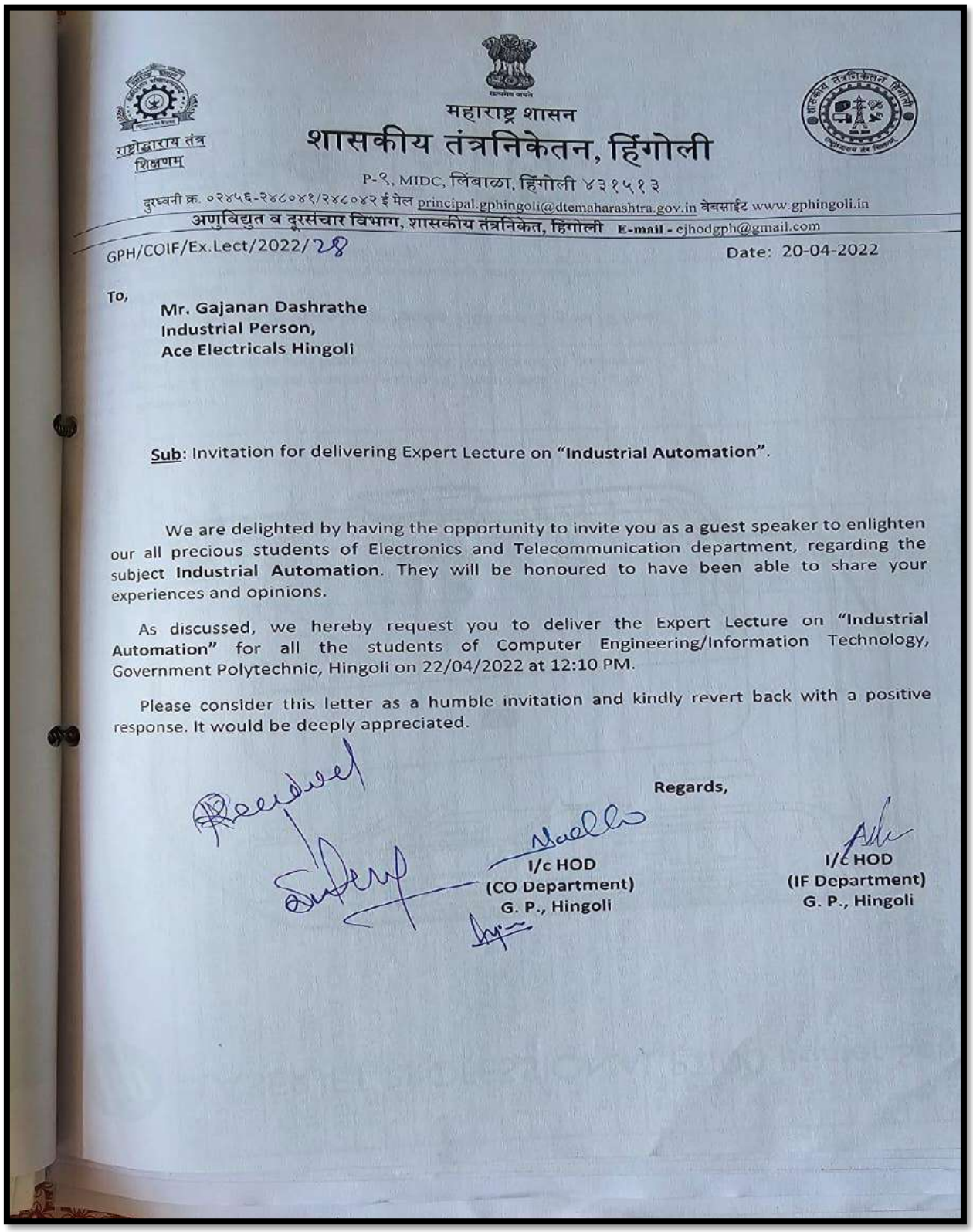
We are delighted by having the opportunity to invite you as a guest speaker to enlighten our all precious students of Computer Engineering Department, regarding the subject **Wireless Communication**. They will be honoured to have been able to share your experiences and opinions.

As discussed, we hereby request you to deliver the Expert Lecture on **"Wireless Communication"** for all the students of Computer Engineering Department, Government Polytechnic, Hingoli on 26/04/2022 at 11:30 AM.

Please consider this letter as a humble invitation and kindly revert back with a positive response. It would be deeply appreciated.

Regards,

(Prof. N. S. Jadhavo)
I/c HOD
(CO Department)
Government Polytechnic, Hingoli



महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३

दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट www.gphingoli.in

अणुविद्युत व दूरसंचार विभाग, शासकीय तंत्रनिकेत, हिंगोली E-mail - ejhodgph@gmail.com

राष्ट्रोद्धाराय तंत्र शिक्षणम्

GPH/COIF/Ex.Lect/2022/28

Date: 20-04-2022

To,

Mr. Gajanan Dashrathe
Industrial Person,
Ace Electricals Hingoli

Sub: Invitation for delivering Expert Lecture on **"Industrial Automation"**.

We are delighted by having the opportunity to invite you as a guest speaker to enlighten our all precious students of Electronics and Telecommunication department, regarding the subject **Industrial Automation**. They will be honoured to have been able to share your experiences and opinions.

As discussed, we hereby request you to deliver the Expert Lecture on **"Industrial Automation"** for all the students of Computer Engineering/Information Technology, Government Polytechnic, Hingoli on 22/04/2022 at 12:10 PM.

Please consider this letter as a humble invitation and kindly revert back with a positive response. It would be deeply appreciated.

Regards,

I/c HOD
(CO Department)
G. P., Hingoli

I/c HOD
(IF Department)
G. P., Hingoli

For AICTE Diploma Courses

D-8

wef-2017-2018

Maharashtra State Board of Technical Education

DETAILS OF EXPERT LECTURE

Academic Year: 2022-23

Program: Computer Engineering

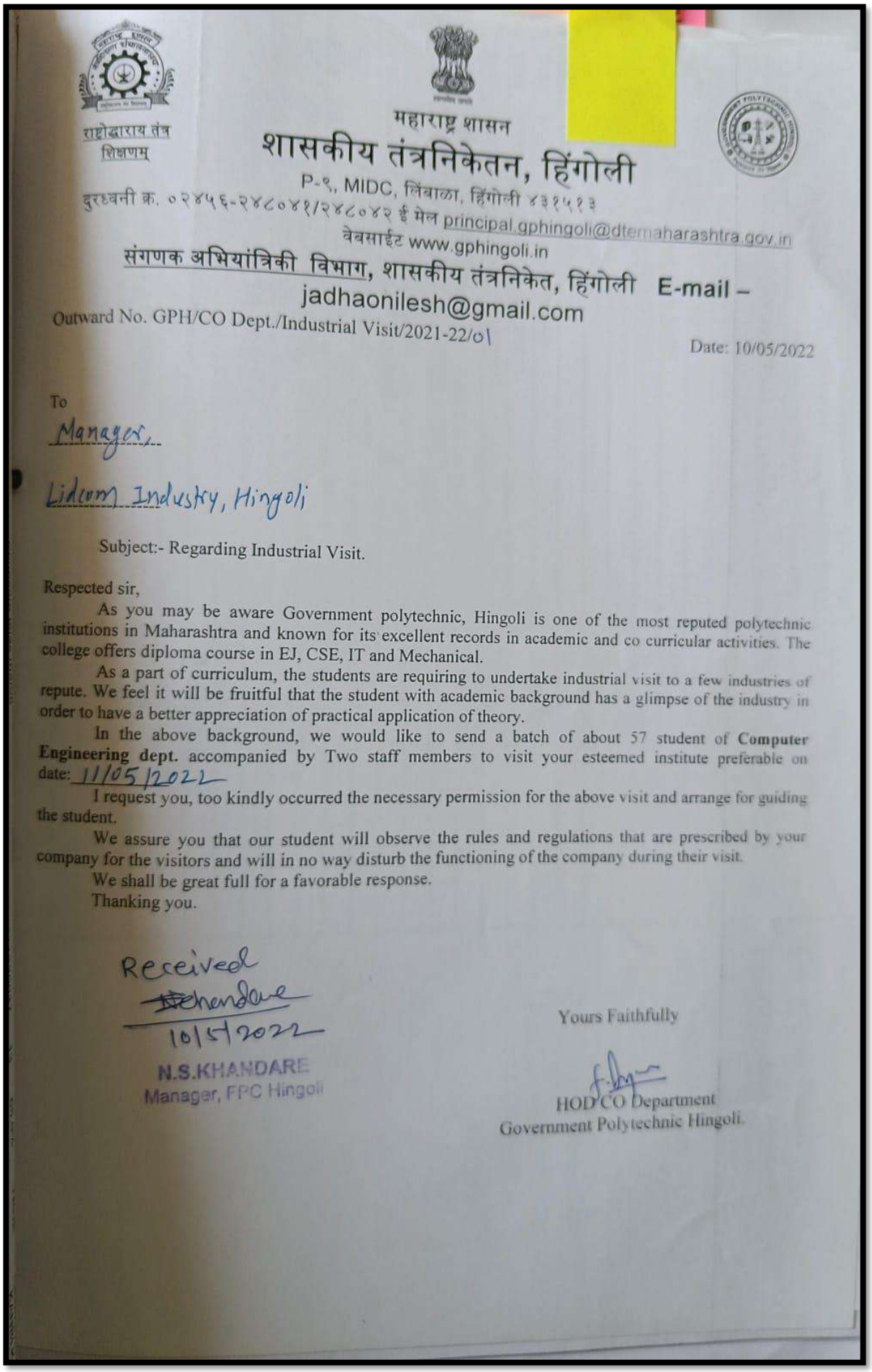
Sr. No.	Name of Expert & Contact Details	Topic	*Course Code & CO's No's.	Semester	Name of Coordinator	Date of Conduction of Activity	No. of Benefi-ciaries	Relevance to PO's and PEO's
1	Samruddi Shahane, Software Developer, Congnizent Technology Pune	Selection Process and Interview Skills	CO6I,CO4I,CO2I	CO6I	N S Jadhav	25/03/2023	60	PO7, PS03
2	Prof Sushil Jamkar Prayas Learning Institute	Hygiene & Grooming And Job Interview Techniques	CO6I	CO6I	N S Jadhav	03-04-2023	45	PO7, PS03
3	Prof Sushil Jamkar Prayas Learning Institute	Leadership and Excellence	CO2I	CO2I	N S Jadhav	03-04-2023	40	PO7, PS03
4								
5								

Name & Signature of Academic Coordinator

Name & Signature of HOD

HOD
Computer Engg. Dept.
Govt.Polytechnic, Hingoli


EXIT



राष्ट्रोद्धाराय तंत्र शिक्षणम्

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

P-९, MIDC, लिंबाळा, हिंगोली ४३१५१३

दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल principal.gphingoli@dtemaharashtra.gov.in

वेबसाईट www.gphingoli.in

संगणक अभियांत्रिकी विभाग, शासकीय तंत्रनिकेत, हिंगोली E-mail – jadhaonilesh@gmail.com

Outward No. GPH/CO Dept./Industrial Visit/2021-22/01

Date: 10/05/2022

To

Manager,

Lidcom Industry, Hingoli

Subject:- Regarding Industrial Visit.

Respected sir,

As you may be aware Government polytechnic, Hingoli is one of the most reputed polytechnic institutions in Maharashtra and known for its excellent records in academic and co curricular activities. The college offers diploma course in EJ, CSE, IT and Mechanical.

As a part of curriculum, the students are requiring to undertake industrial visit to a few industries of repute. We feel it will be fruitful that the student with academic background has a glimpse of the industry in order to have a better appreciation of practical application of theory.

In the above background, we would like to send a batch of about 57 student of **Computer Engineering dept.** accompanied by Two staff members to visit your esteemed institute preferable on date: 11/05/2022

I request you, too kindly occurred the necessary permission for the above visit and arrange for guiding the student.

We assure you that our student will observe the rules and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

We shall be great full for a favorable response.

Thanking you.

Received
Khandare
10/5/2022
N.S.KHANDARE
Manager, FPC Hingoli

Yours Faithfully

HOD CO Department
Government Polytechnic Hingoli.

D-7

wef-2017-2018

For AICTE Diploma Courses

Maharashtra State Board of Technical Education

DETAILS OF INDUSTRIAL VISIT / VACATIONAL TRAINING

Academic Year: 2022-23

Program: Computer Engineering

Sr. No.	Name of Industry & Contact Details	Semester	Course Name	Name of Coordinator	Date of Conduction of Activity	No. of Beneficiaries	Relevance to PO's and PEO's (only no's)
1	LID COM MIDC Hingoli	CO6I CO4I		P B Mali M S Limje	29/03/2023	120	
2	AIRPORT NANDED	CO6I CO4I		P B Mali M S Limje	04-03-2023	120	
3	Ajay Cables Hingoli	CO6I CO4I		P B Mali M S Limje	Planed	120	
4							
5							

Name & Signature of Academic Coordinator

Name & Signature of HOD

HOD
Computer Engg. Dept.
Govt.Polytechnic, Hingoli

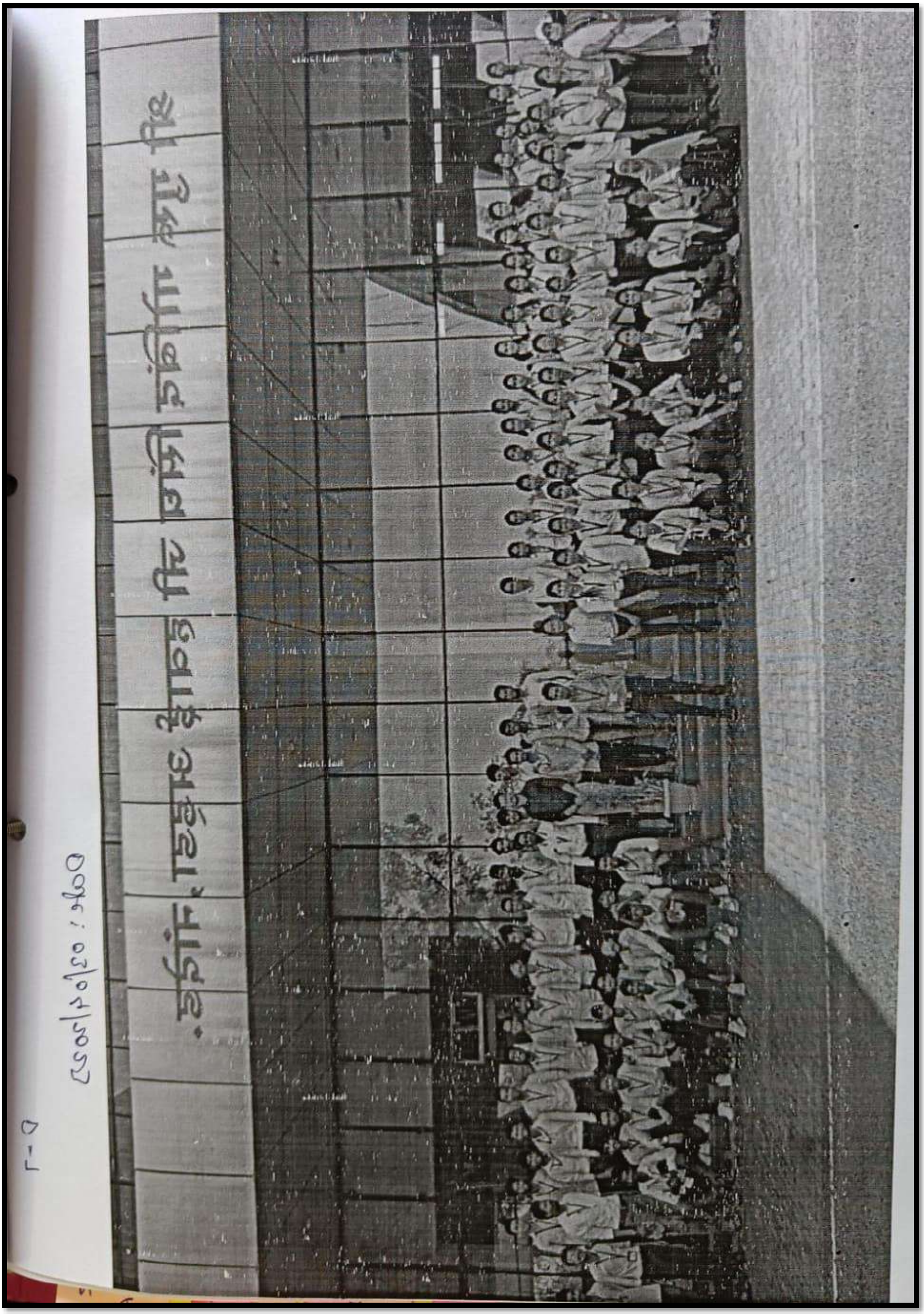
Government Polytechnic Hingoli
Computer Engineering Dept.
Attendance Industrial Visit-2021-22

Class-CO6I **Date:-** 11/05/22

Roll No	Full Name	
3101	SAHIL RAMESH BHAGWAT	
3102	JADHAV NARESH GULAB	
3103	CHAME PRATIKSHA NILKANT	
3104	KADAM POOJA RAMESHWAR	
3105	SHAIKH SADIYA SK. JAINODDIN	
3106	GOUTAM ANJALI SATISH	
3107	SINHA NIKITA VINAY	
3108	MUNGAL VISHAL PURBHAJI	
3109	PATANGE KARAN PANDURANG	
3110	KUKADE PRATHAMESH SATISH	
3111	JOSHI DISHA ARVIND	D.A. Joshi
3112	SK MUSADIQ AHMED SK MD MATEEN BAGWAN	
3113	OMKAR BALAJI AMBARKHANE	
3114	KHETRE MAHARUDAR MADHUKAR	
3115	AKHARE ROHAN PANDURANG	Rohan
3116	PETKAR SUMIT SUDHAKAR	
3117	BELLORE KAPIL SHAMKUMAR	
3118	NAVALE YASH SURESH	
3119	KALYANKAR RAOSAHEB SAMBHAJI	
3120	BEDARKAR SHANTANU S	Shantanu.
3121	RAUT KARAN MUNGASAJI	
3122	ARGE PAVANI GANGADHAR	
3123	PANADWAR SHRADDHA SHANKAR	Shraddha.
3124	PATIL VAISHNAVI BALAJI	
3125	KHANDAGALE SANTOSH GANESH	
3126	SHELKE NIRANJAN ATMARAM	
3127	YARGATWAR NEHA GANGAPRASAD	Neha
3128	RAKSHALE ABHISHEK VITTHAL	

All above mentioned students has visited our Lindcom Industry on 11/05/2022.

Footwear Production Center
LIDCOM. Hingoli
11/5/2022



ISTE Student Chapter Under:

1) For First Year Students Expert Lecture on "**LEADERSHIP AND EXCELLENCE"**
2) For Third Year Students expert Lecture on "**Hygiene & Grooming And Job Interview Techniques"**


Thank You!
INDIAN SOCIETY FOR
TECHNICAL EDUCATION (ISTE)

IEI Student Chapter Under:

१) डॉ.एस.बी मुंढे सर यांचे तज्ञ व्याख्यान आयोजित करण्यात आले. तज्ञ व्याख्यानाचा विषय " Curriculum and Career Planning for Diploma Engineering Students" होता. सर्व शाखेतील द्वितीय व तृतीय वर्षातील विद्यार्थी सदर व्याख्यानासाठी उपस्थितहोते.

२) IEI STUDENT CHAPTER- ४३१५१३/GPH अंतर्गत दुपारी २.३० वाजता “BEST OUT OF E-WASTE PROJECT COMPETITION” चे आयोजन करण्यात आले. सदर स्पर्धेत ५१ विद्यार्थ्यांनी सहभाग नोंदविला.


REDMI NOTE 5 PRO
MI DUAL CAMERA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“BEST OUT OF E-WASTE PROJECT COMPETITION” Prize Distribution

First Prize- LI-FI DATA TRANSMISSION

Second Prize-ROADSIDE AIR PURIFIER

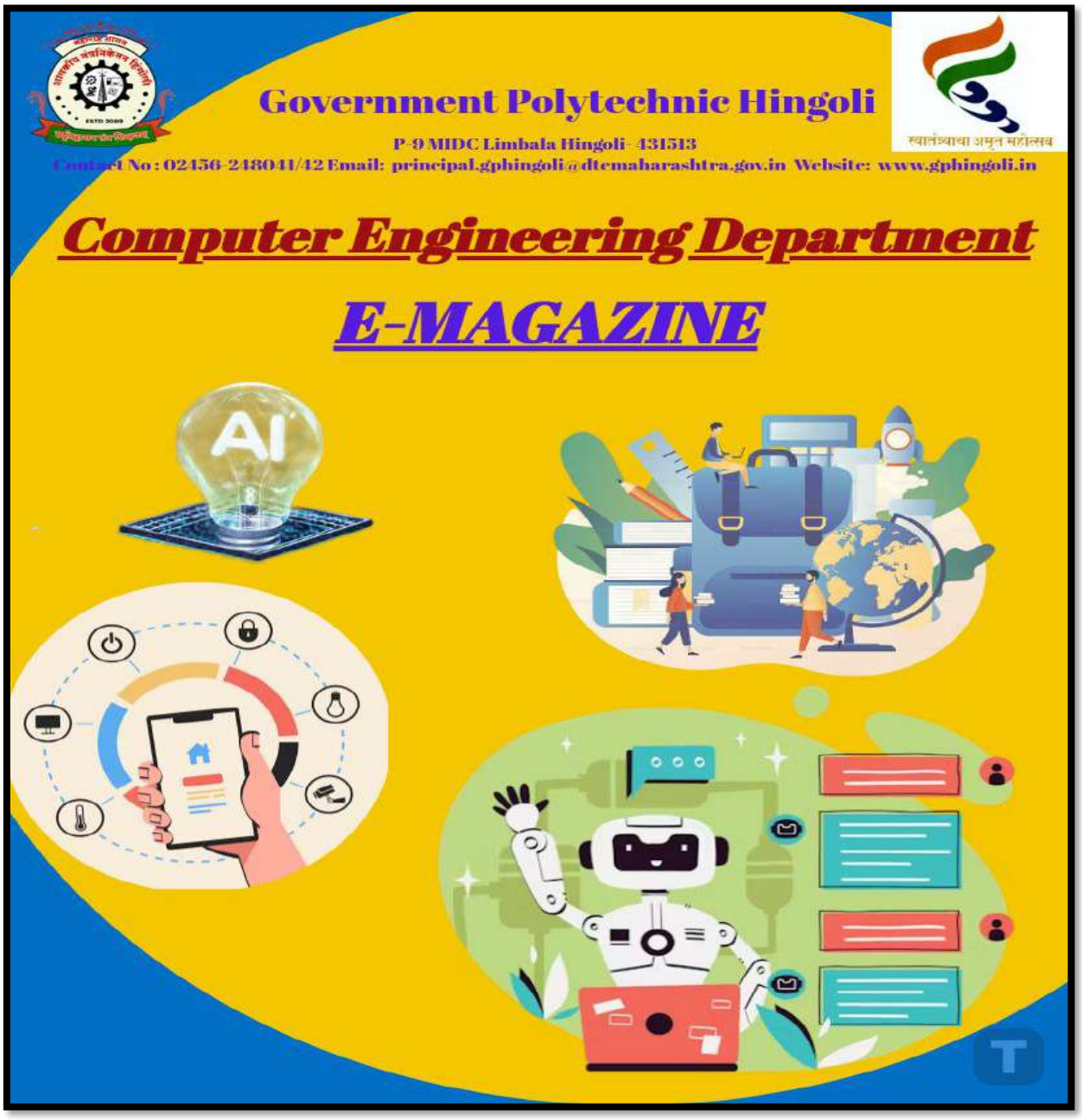
4.7.2	Publication of technical magazines, newsletters, etc. (05 M)	Claimed: 5

A. Quality & Relevance of the contents and Print Material (3) Institute Marks 3.00

Computer Engineering department is publishing their E-magazine for every academic year. The E-magazine Contains the students views on the Topics related to Computer Engineering as well as all the curricular activities, co-curricular activities and extra-curricular activities are showcased through the e-magazine. Motivational and inspirational quotes or articles are included in the e-magazine. E-magazine is published on the web site of the institute.

2024-2025 E-magazine Publishing Team was as follows

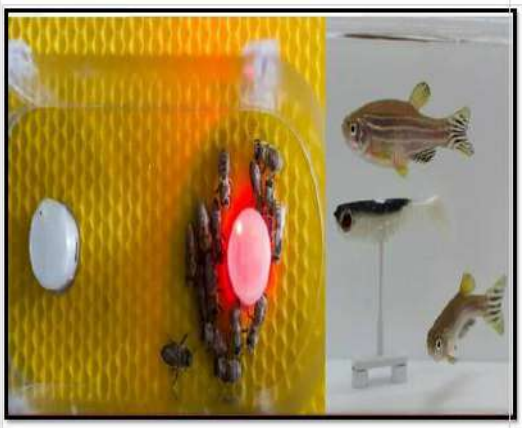
1. Staff Coordinator:- Mr. P.L.Satore , Ms. Priya S. Patil (Lecturer)
2. Editor: - Govind Kanpude (Third Year student)
3. Co-Editor:- Vyaknkatesh Raut (Third year Student)



B. Participation of Students from the program (2) Institute Marks 2.00

As the E-magazine is published by the Computer Engineering Program. Most of the students participate in E-magazine through their views on the topics related to Computer Engineering or Motivational and inspirational quotes. Sample article from the E-magazine is as follows.

COMMUNICATION OF BEES AND FISH BY ROBOTIC TRANSLATOR THEORY



A robot interacting with young honey bees in Graz, Austria, exchanged information with a robot swimming with zebrafish in Lausanne, Switzerland, and the robots' communication influenced the behavior of each animal group, according to a study published in *Science Robotics*.

"It's the first time that people are using this kind of technology to have two different species communicate with each other," says Simon Garnier, a complex systems biologist at New Jersey Institute of Technology who did not participate in the study. "It's a proof of concept that you can have robots mediate interactions between distant groups." He adds, however, that the specific applications of such a setup remain to be seen.

As robotics technology has advanced, biologists have sought to harness it, building robots that look and behave like animals. This has allowed researchers to control one side of social interactions in studies of animal behavior. Robots that successfully integrate into animal populations also provide scientists with a means to influence the groups' behavior.

"The next step, we were thinking . . . [is] adding features to the group that the animals cannot do because they don't have the capabilities to do so," José Halloy, a physicist at Paris Diderot University who has been working on developing robots to interact intelligently with animals for more than a decade, writes in an email. "The simple and striking thing is that robots can use telecommunication or the Internet and animals cannot do that."

In the new work, Halloy teamed up with collaborators at Swiss Federal Institute of Technology Lausanne (EPFL), the University of Graz in Austria, and elsewhere to have two different animal-robot societies interact via modern communications technology. The researchers worked with two very different species that wouldn't normally interact in nature—honey bees and zebrafish—and they housed the experimental animals more than 1,000 kilometers apart. "What we did is a bit extreme," admits coauthor and EPFL engineer Frank Bonnet.

In 30-minute trials, the teams presented the animals with a collective choice. In the case of bees, that choice was which of two heat-emitting robots they would gather around, while the zebrafish, which shared their donut-shaped tank with a fish-like robot, would decide which direction to swim. Both the robots in the bee colony and the fish robot interacted with the real animals as the experiments took place. The bee robots have infrared sensors that allow them to estimate density of nearby bees, and as more bees clustered, the robots produced more heat, enticing more bees to gather around. The fish robot detects the location of the fish and itself with a camera filming the aquarium, and responds to changes in the real fish's direction by following the majority, which in turn influences the group's collective decision about which way to swim.

The researchers then linked the two robots via an internet connection. As the bees gravitated toward one robot or the other, that information could be transferred to the fish robot, which interpreted the news as more fish choosing a swimming direction—clockwise or counterclockwise. Conversely, information on the swimming direction of the fish in the group could be transmitted from the fish robot to the bee robots, which interpreted the signal as more bees choosing a particular bot. "When we make the connection between the two setups, the robots act like translators," says Bonnet.

Left to their own devices, zebrafish, while they generally swim as a group, don't stay swimming in one direction; they frequently reverse course. But when the fish robot was receiving information from the bee robots, the fish would reach a consensus for several minutes or longer. That's because the young honey bees, when the robots in their colony were not receiving information from the fish robot, would after about 15 minutes settle with one of the two robots.

Conversely, the fish's indecisive swimming patterns influenced the behavior of the honey bees. If the fish robot shared information with the bee colony, the bees continued to move back and forth between the two heaters for the entire 30-minute trial. If the communication was two way, the bees settled around one of the two bots in the enclosure, but it took about five minutes longer. This then led the fish to settle on a swimming direction.

"It's technically very impressive; I buy the argument that there has been some form of communication," says Garnier. But he wonders how the technology will be used. "I'm not sure where it fits in terms of the science."

Guy Theraulaz, who studies collective behavior at the Research Center on Animal Cognition at CNRS in Toulouse, France, agrees. "From a biological point of view, we don't learn anything," he notes, and from an engineering point of view, the key aspect of the experiment is the integration of the robots into animal societies, which had already been done. "They are selling something which is a little bit trivial," he says.

The researchers argue that the proof-of-concept study points to new approaches for interrogating natural species interactions, just as robots have already been used to study within-species social behavior. "It allows us to do experiments with animals to build mathematical models of behaviors," says Halloy.

Nicole Abaid, an engineer at Virginia Tech who was not involved in the work, could also see this type of work providing insight into how best to develop multi-agent robotics systems, such as robotic swarm, in which many small robots are deployed in unison for applications such as precision agriculture or search and rescue. While most so-called distributed systems use many of one type of robot, engineers are starting to experiment with devices of different types—for example, a quadcopter and a ground vehicle, says Abaid. "The idea that you could have an interspecies interaction in the application of robotics is super interesting."

Stduents Name:

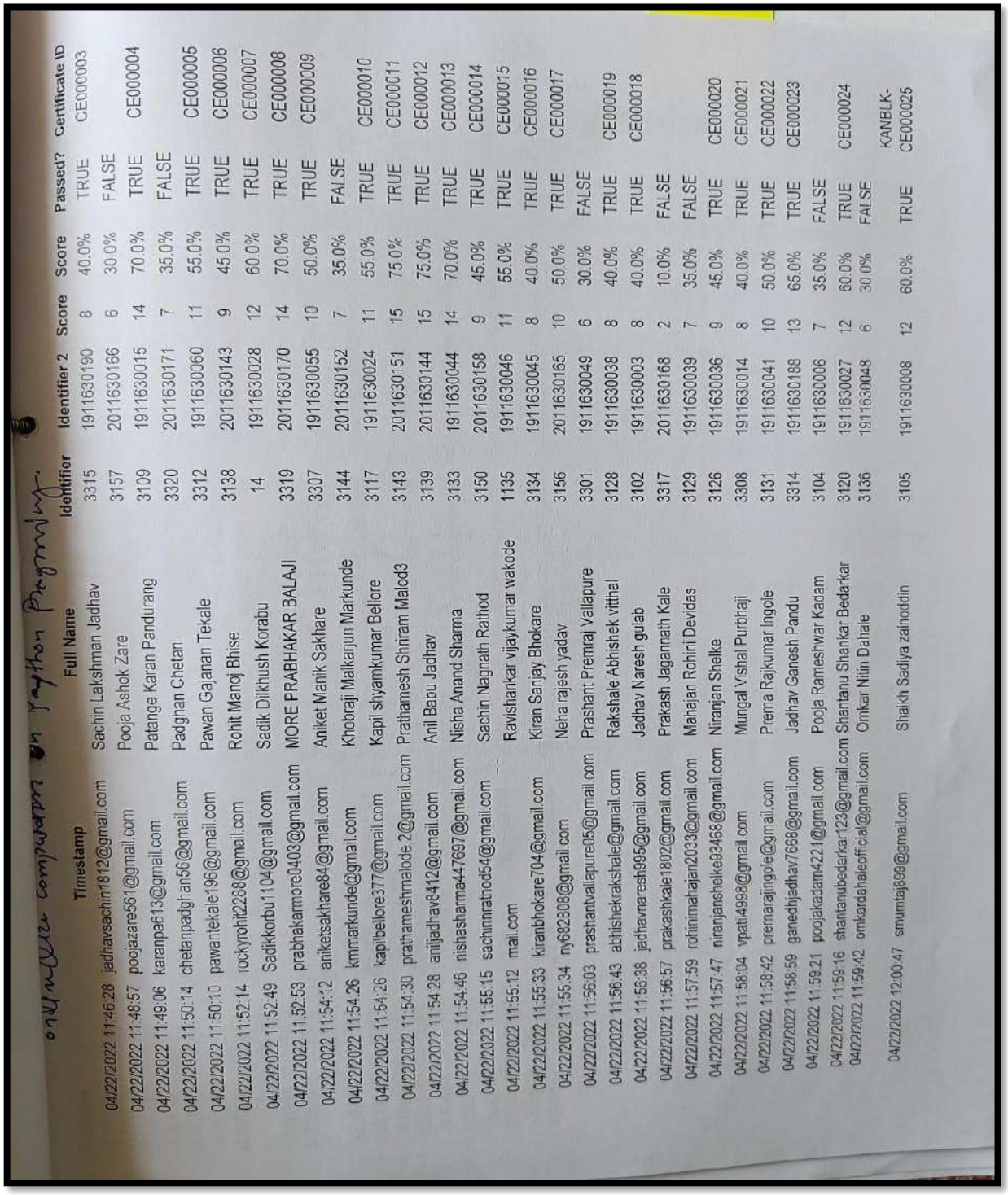
1. Ram Durge

2. Kauntey Patil

4.7.3	Participation in inter-institute events by students of the program of study (05)	Claimed: 5

Participation in inter-institute / state/national events by students of the program of study (5)

Institute Marks5.0



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04/22/2022 11:52:53	prabhakarmore0403@gmail.com	MORE PRABHAKAR BALAJI	3319	2011630170	14	70.0%	TRUE	CE000008
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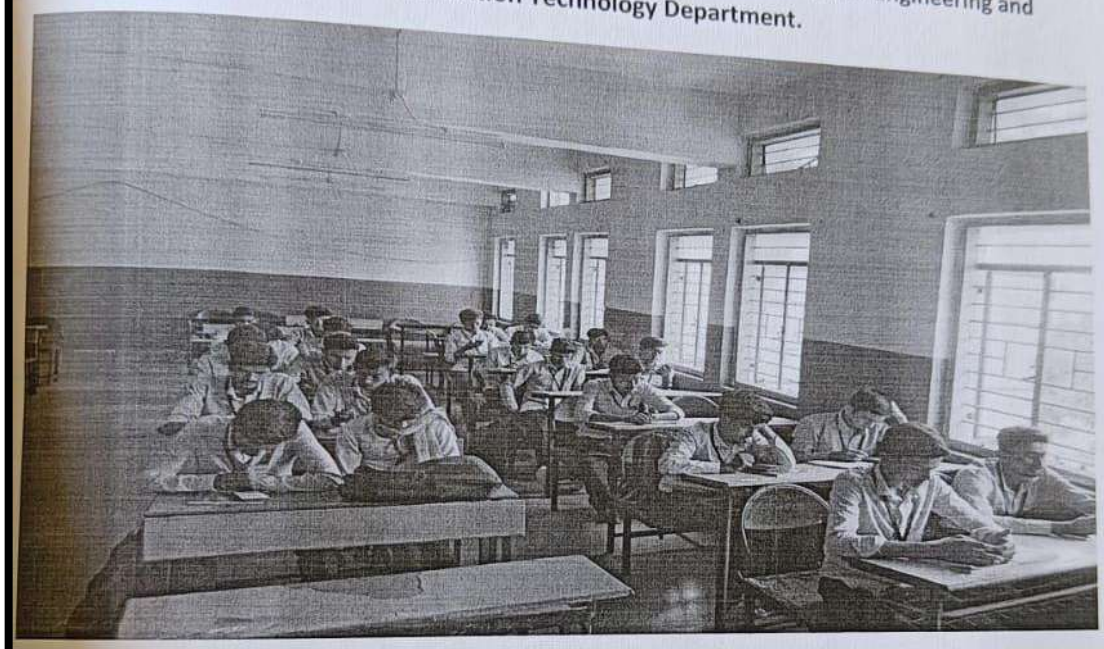
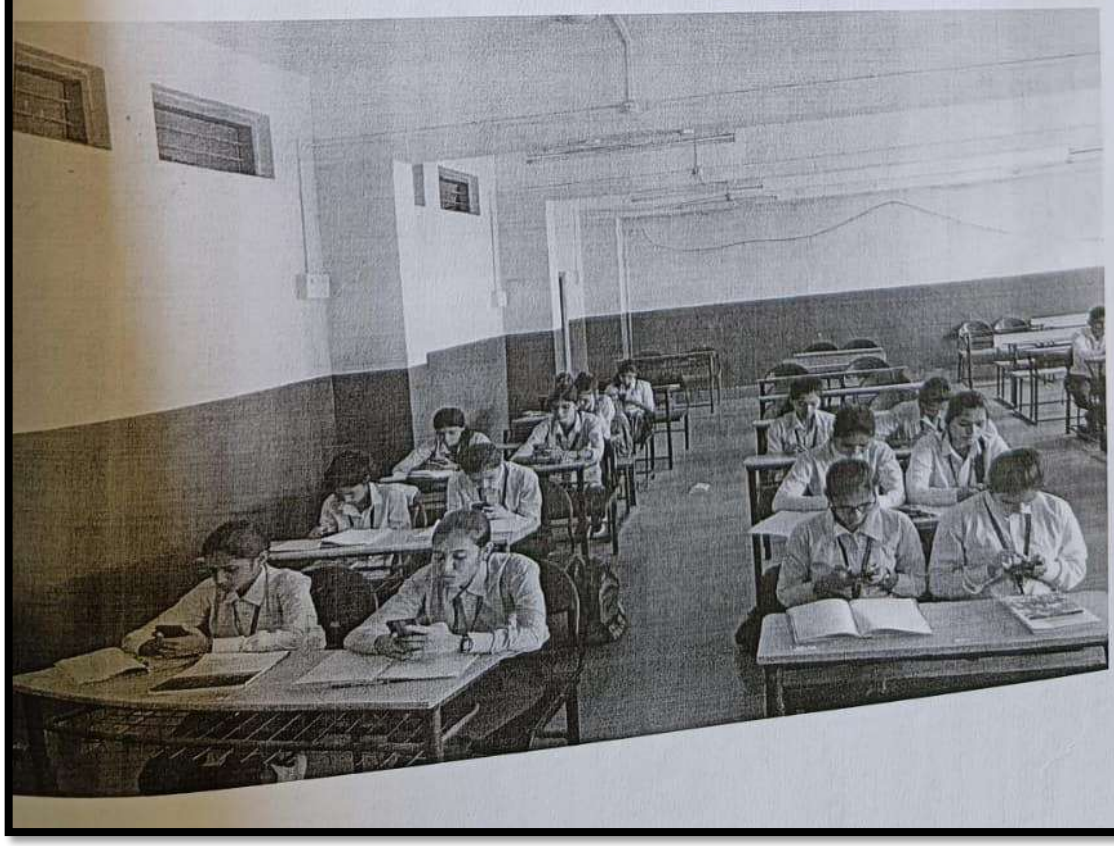
04/22/2022 11:54:46	nishasharma447697@gmail.com	Nisha Anand Sharma	3133	1911630044	14	70.0%	TRUE	CE000013
04/22/2022 11:55:15	sachinnrathod54@gmail.com	Sachin Nagnath Rathod	3150	2011630158	9	45.0%	TRUE	CE000014
04/22/2022 11:55:12	mail.com	Ravishankar vijaykumar wakode	1135	1911630046	11	55.0%	TRUE	CE000015
04/22/2022 11:55:33	kiranbhokare704@gmail.com	Kiran Sanjay Bhokare	3134	1911630045	8	40.0%	TRUE	CE000016
04/22/2022 11:55:34	ny682808@gmail.com	Neha rajesh yadav	3156	2011630165	10	50.0%	TRUE	CE000017
04/22/2022 11:56:03	prashantvalapure05@gmail.com	Prashant Premraj Vallapure	3301	1911630049	6	30.0%	FALSE	
04/22/2022 11:56:43	abhishekrakshale@gmail.com	Rakshale Abhishek vitthal	3128	1911630038	8	40.0%	TRUE	CE000019
04/22/2022 11:56:38	jadhavnaresh995@gmail.com	Jadhav Naresh gulab	3102	1911630003	8	40.0%	TRUE	CE000018
04/22/2022 11:56:57	prakashkale1802@gmail.com	Prakash Jagannath Kale	3317	2011630168	2	10.0%	FALSE	
04/22/2022 11:57:59	rohinimahajan2033@gmail.com	Mahajan Rohini Devidas	3129	1911630039	7	35.0%	FALSE	
04/22/2022 11:57:47	niranjanshelke934468@gmail.com	Niranjan Shelke	3126	1911630036	9	45.0%	TRUE	CE000020
04/22/2022 11:58:04	vpati4998@gmail.com	Mungal Vishal Purbhaji	3308	1911630014	8	40.0%	TRUE	CE000021
04/22/2022 11:58:42	premrajingole@gmail.com	Prerna Rajkumar Ingole	3131	1911630041	10	50.0%	TRUE	CE000022
04/22/2022 11:58:59	ganedhjadhav7668@gmail.com	Jadhav Ganesh Pandu	3314	1911630188	13	65.0%	TRUE	CE000023
04/22/2022 11:59:21	poojakadam4221@gmail.com	Pooja Rameshwar Kadam	3104	1911630006	7	35.0%	FALSE	
04/22/2022 11:59:16	shantanubedarkar123@gmail.com	Shantanu Shankar Bedarkar	3120	1911630027	12	60.0%	TRUE	CE000024
04/22/2022 11:59:42	omkardahalecfficial@gmail.com	Omkar Nitin Dahale	3136	1911630048	6	30.0%	FALSE	
04/22/2022 12:00:47	smumtaj899@gmail.com	Shaikh Sadiya zainoddin	3105	1911630008	12	60.0%	TRUE	KANBLK-CE000025

Quiz Competition on Python Programming Organised by Computer Engineering and Information Technology Department.





GOVERNMENT POLYTECHNIC, HINGOLI

P-9, M.I.D.C., Limbala, Hingoli - 431513

COMPETITION

Quiz / Drama / Extempore

Certificate

This certificate is awarded to

Shri / Ku. Rutik Krushna Dongre.

of class CO(Third Year) *has participated in* Quiz.

Competition achieved outstanding performance *Prize.*

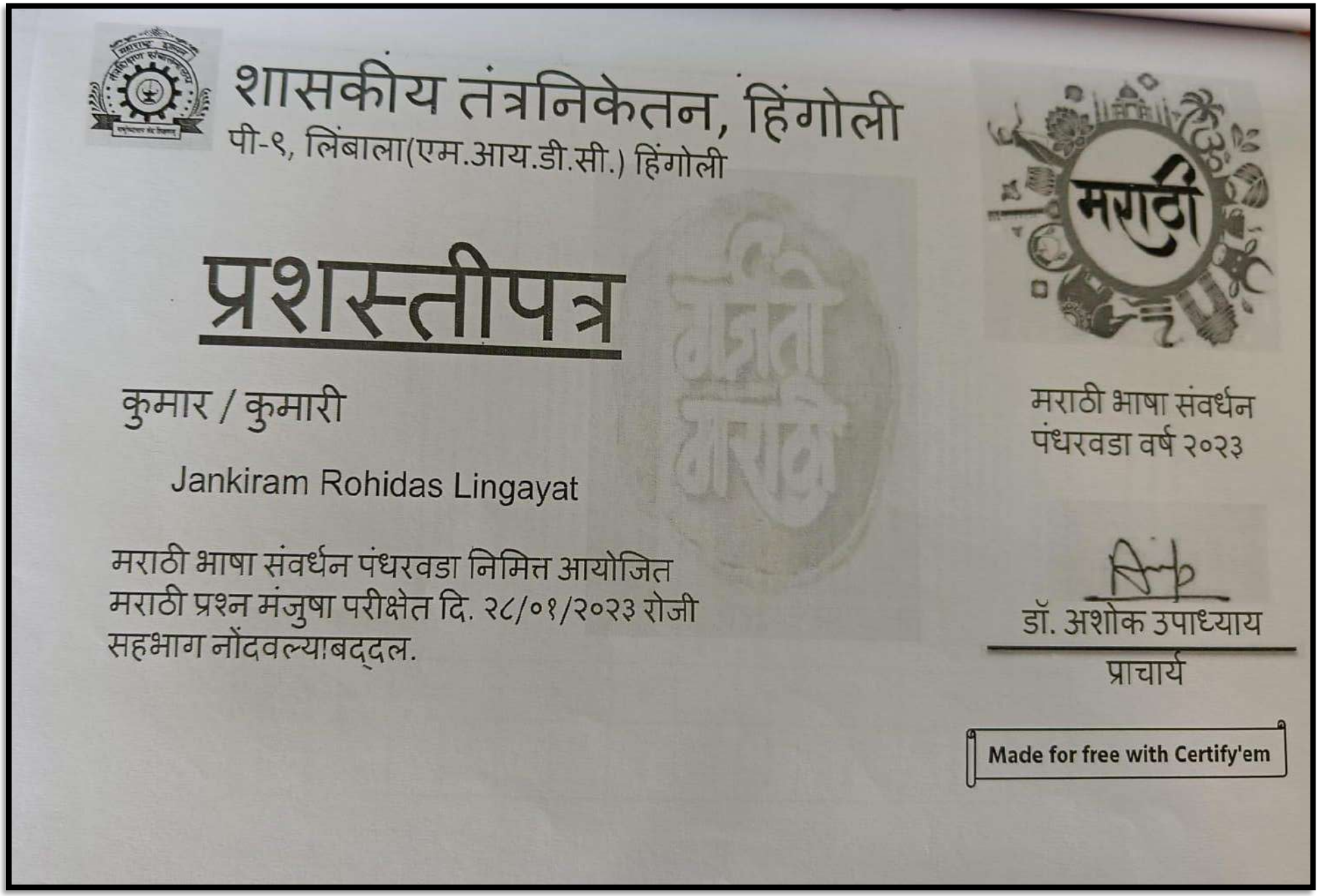
During 2022-2023.

H.O.D.
Electronics Department

HOD
Computer Engg. Dept.
Govt.Polytechnic, Hingoli

Principal
Govt.Polytechnic, Hingoli


KMNJRC-CE000143
Government Polytechnic Hingoli
This Certificate is presented to
Prathamesh panchal
In recognition of outstanding performance & participation with 80% score in Online Quiz competition on Indian National Flag Organised by Government Polytechnic Hingoli on 13-8-2022.
PROUD TO BE AN INDIAN
Dr. Ashok Upadhyay
Principal
PROUD TO BE AN
Made for free with Certify'em



शासकीय तंत्रनिकेतन, हिंगोली
पी-९, लिंबाला(एम.आय.डी.सी.) हिंगोली

मराठी

प्रशस्तीपत्र

कुमार / कुमारी

Jankiram Rohidas Lingayat

मराठी भाषा संवर्धन पंधरवडा निमित्त आयोजित
मराठी प्रश्न मंजुषा परीक्षेत दि. २८/०१/२०२३ रोजी
सहभाग नोंदवल्याबद्दल.

मराठी भाषा संवर्धन
पंधरवडा वर्ष २०२३

डॉ. अशोक उपाध्याय
प्राचार्य

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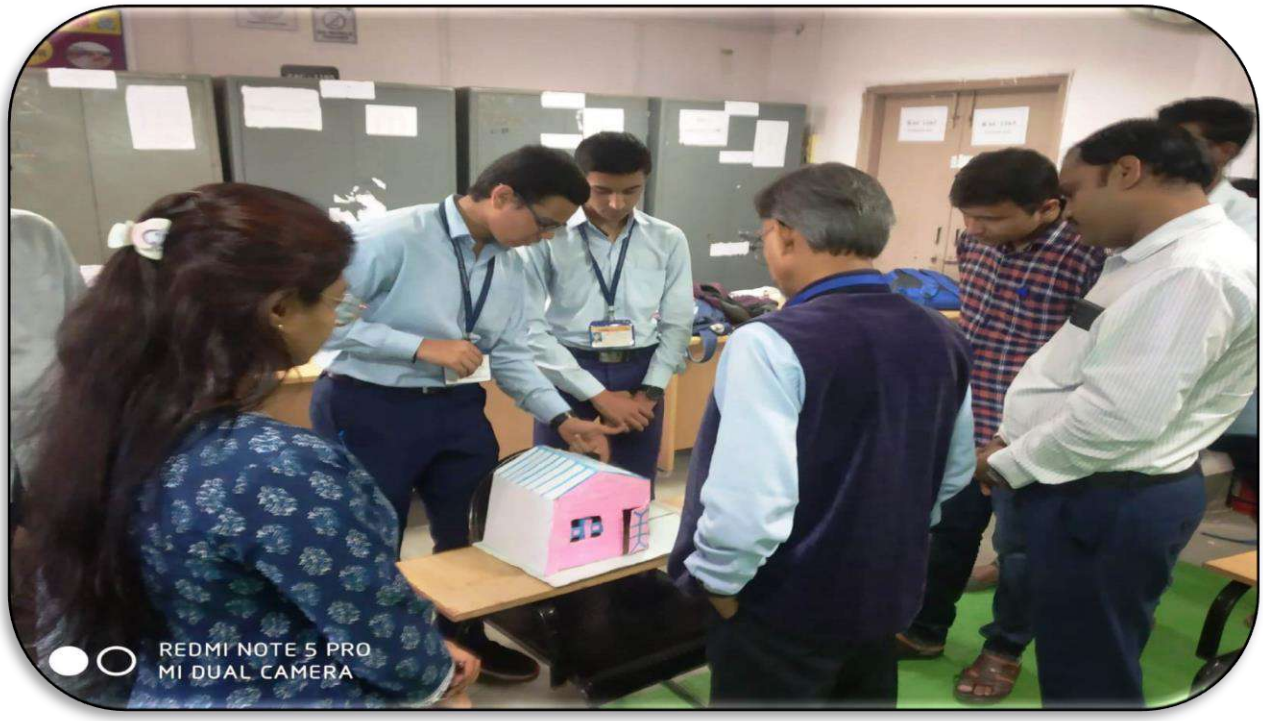
Participated In Poster Presentation Competition Snapshot



“BEST OUT OF E-WASTE PROJECT COMPETITION” स्पर्धेचे पारितोषिक वितरण समारंभ

First Prize- LI-FI DATA TRANSMISSION या प्रोजेक्ट साठी संगणक विभागातील तृतीय वर्षातील विद्यार्थी- प्रणव पंचावटकर, साहिल साहू, मोहम्मद सियाम यांना प्रथम पारितोषिक (विजय चिन्ह व प्रमाणपत्र) देण्यात आले.

Second Prize: ROADSIDE AIR PURIFIER या प्रोजेक्ट साठी संगणक विभागातील तृतीय वर्षातील विद्यार्थी- सुमित कावरे व अथर्व दुब्बेवर यांना द्वितीय पारितोषिक (विजय चिन्ह व प्रमाणपत्र) देण्यात आले. RAIN DETECTOR या प्रोजेक्ट साठी संगणक विभागातील तृतीय वर्षातील विद्यार्थी- गोपाल पडळकर, यश पवार, प्रदीप राठोड, सुरज खंदारे यांना तृतीय पारितोषिक (विजय चिन्ह व प्रमाणपत्र) देण्यात आले.

Summary

Sub-Criterion	Maximum Score	Obtained/Claimed Score
4.1	20	20
4.2	60	21
4.3	25	13
4.4	20	11
4.5	15	11
4.6	40	40
4.7	20	20
Total	**200**	**126**

Marks claimed: 126 Out of 200.

CRITERION 5	Faculty Information And Contributions	150

Faculty Information: For CAY 2024-2025

Sr. No.	Name of the Faculty Member	Qualification	University and Year of Graduation	Designation and date of Joining the institution	Distribution of TeachingLoad (%)			Academic Research		Years of experience	Nature of association (contract/ regular)	Date of leaving
					a	b	c	Research Paper publication	Faculty Receiving M. Tech/Ph.D.			
1	Mr. N S Jadhao	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2022	Lecturer 23.08.2021	100	0	0	Nil	Nil	15 Yr.	Regular	Continue
2	Mr. G K Mangnale	ME Computer Networking)	SRTMU, NANDED, 2019	Lecturer 13.07.2016	100	0	0	Nil	Nil	13 Yrs	Regular	Continue
3	Mr. P L Satore	ME (Computer Science & Engineering)	SRTMU, NANDED, 2020	Lecturer 23.03.2011	100	0	0	Nil	Nil	13 Yrs	Regular	Continue
4	Mrs. P P Deshpande	ME (Computer Science & Engineering)	Dr.BAMU, Aurangabad, 2008	Lecturer 08.09.2021	100	0	0	Nil	Nil	13 Yrs.	Regular	Continue
5	Mr. M S Limje	B.E. (Computer Science & Engineering)	SGBAU, AMARAVATI,	Lecturer 26.08.2021	100	0	0	Nil	Nil	12 Yrs	Regular	Continue
6	Ku. P S Patil	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2021	Lecturer 24.08.2021	100	0	0	Nil	Nil	8 Yrs	Regular	Continue

7	Mr. J C Rathod	ME	Solapur University, 2027	Lecturer 10/09/2024			0	Nil	Nil	7 Yrs	Regular	10/10/2024
8	Mr. A B Damkondwar	Ph.D MATHS	SRTMU, NANDED, 2025	Lecturer 03.08.2023			0	Nil	Nil	17 Yrs	Regular	Continue
9	Mrs S G Dutal	M.Phill Inorganic Chemistry	SRTMU, NANDED, 2021	Lecturer 09.09.2024			0	1	Nil	13 Yrs	Regular	Continue
10	Mr. M B Nawarkhele	MSC Physics	SGBAU, AMARAVATI, 2004	Lecturer 02.05.2011			0	Nil	Nil	15 Yrs	Regular	Continue
11	Mr. S R Mudholkar	M.A English	SRTMU Nanded	Lecturer in English			0	Nil	Nil	14 Yrs	Regular	Continue
12	Mr. A P Kedar	M.Tech (Mechanical System Design)	IIT Kharakpoor 2025	Lecturer 27.08.2020			0	Nil	Nil	4 Yrs	Regular	Continue
13	Mr. J K Kolhe	MSc Bed Physics	SGBAU AMARAVATI 2007	Lecturer 01.07.2023			0	Nil	Nil	7 Yrs	Regular	Continue
14	Mrs. V K Patil	B.E.(Electrical Engineering)	GECOA, 2016	Lecturer 22.12.2018			0	Nil	Nil	5 Yrs	Regular	Continue
15	Mr. T S Parodwar	M.E (Digital Electronics)	SGBAU, University 2023	Lecturer in Electronics 08/07/2012			0	NIL	NIL	12 Yrs	Regular	Continue

Faculty Information: For CAYm1 2023-2024

Sr. No.	Name of the Faculty Member	Qualification	University and Year of Graduation	Designation and date of Joining the institution	Distribution of TeachingLoad (%)			Academic Research		Years of experience	Nature of association (contract/ regular)	Date of leaving
					a	b	c	Research Paper pu	Faculty Receiving M. Tech/P			

								bli cat ion	h.D.	i e n c e		
1	Mr. N S Jadhao	ME (Computer Science & Engineering)	SGBAU, AMARAV ATI, 2022	Lecture r 23.08.2 021	1 0	(	0	Nil	Nil	14 Yr.	Regul ar	Con tinu e
2	Mr. G K Mangnale	ME (Computer Networking)	SRTMU, NANDED, 2019	Lecture r 13.07.2 016	1 0	(	0	Nil	Nil	12 Yr s	Regul ar	Con tinu e
3	Mr. P L Satore	ME (Computer Science & Engineering)	SRTMU, NANDED, 2020	Lecture r 23.03.2 011	1 0	(	0	Nil	Nil	12 Yr s	Regul ar	Con tinu e
4	Ms. P P Deshpande	ME (Computer Science & Engineering)	Dr.BAMU, Aurangaba d, 2008	Lecture r 08.09.2 021	1 0	(	0	Nil	Nil	12 Yr s.	Regul ar	Con tinu e
5	Mr. P B Mali	ME (Info.Tech.)	RGPV, BHOPAL, 2014	Lecture r 23.08.2 021	1 0	(	0	Nil	Nil	12 Yr s	Regul ar	Con tinu e
6	Mr. M S Limje	B.E. (Computer Science & Engineering)	SGBAU, AMARAV ATI,	Lecture r 26.08.2 021	1 0	(	0	Nil	Nil	11 Yr s	Regul ar	Con tinu e
7	Ku. P S Patil	ME (Computer Science & Engineering)	SGBAU, AMARAV ATI, 2021	Lecture r 24.08.2 021	1 0	(	0	Nil	Nil	7 Yr s	Regul ar	Con tinu e
8	Mr. V D Raut	M.Tech	SUK	Lecture r in Electro nics	(	5 (	0	NI L	NIL	7 Yr s	Regul ar	Con tinu e
9	Dr J S Shaikh	PHD MATHS	SRTMU, NANDED,	Lecture r 01.12.2 017	(	2 (	0	Nil	Nil	6 Yr s	Regul ar	Con tinu e
1 0	Mrs A A Joshi	P.hD	SRTMU Nanded	Lecture r in English 12/06/2 023	(	5 (	0	Nil	Nil	13 Yr s	Regul ar	19/1 0/20 23

11	Mr. M B Nawarkhele	MSC PHYSICS	SGBAU, AMARAVATI, 2004	Lecturer 02.05.2011			0	Nil	Nil	14 Yrs	Regular	Continue
12	Mr. A P Kedar	M.Tech (Mechanical System Design)	IIT Kharakpoor 2025	Lecturer 27.08.2020			0	Nil	Nil	3 Yrs	Regular	Continue
13	Mr. S R Mudholkar	M.A English	SRTMU Nanded	Lecturer in English			0	Nil	Nil	13 Yrs	Regular	Continue
14	Mrs. V K Patil	B.E.(Electrical Engineering)	GECOA, 2016	Lecturer 22.12.2018			0	Nil	Nil	4 Yrs	Regular	Continue

Faculty Information: For CAYm2 2022-2023

Sr. No.	Name of the Faculty Member	Qualification	University and Year of Graduation	Designation and date of Joining the institution	Distribution of TeachingLoad (%)			Academic Research		Year of experience	Nature of association (contract/ regular)	Date of leaving
					a	b	c	Research Paper publication	Faculty Receiving M.Tech/Ph.D.			
1	Mr. A. T Adhave	B.E. (Info.Tech.)	SRTMU, NANDED, 2008	Lecturer 07.06.2019			0	Nil	Nil	11 Yrs	Regular	24/07/2023
2	Mr. N S Jadhao	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2022	Lecturer 23.08.2021			0	Nil	Nil	13 Yr.	Regular	Continue
3	Mr. G K Mangnale	ME (Computer Networking)	SRTMU, NANDED, 2019	Lecturer 13.07.2016			0	Nil	Nil	11 Yrs	Regular	Continue
4	Mr. P L Satore	ME (Computer Science & Engineeri	SRTMU, NANDED, 2020	Lecturer 23.03.2011			0	Nil	Nil	11 Yrs	Regular	Continue

		ng)										
5	Ms. P P Deshpande	ME (Computer Science & Engineering)	Dr.BAMU, Aurangabad, 2008	Lecturer 08.09.2021	1	0	0	Nil	Nil	11 Yrs.	Regular	Continue
6	Mr. P B Mali	ME (Info.Tech.)	RGPV, BHOPAL, 2014	Lecturer 23.08.2021	1	0	0	Nil	Nil	11 Yrs	Regular	Continue
7	Mr. M S Limje	B.E. (Computer Science & Engineering)	SGBAU, AMARAVATI,	Lecturer 26.08.2021	1	0	0	Nil	Nil	10 Yrs	Regular	Continue
8	Ku. P S Patil	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2021	Lecturer 24.08.2021	1	0	0	Nil	Nil	6 Yrs	Regular	Continue
9	Mr. P H Gutte	MTEC (Computer Science & Engineering)	Shivaji University Kolhapur, 2014	Lecturer 01.08.2016	1	0	0	Nil	Nil	6 Yrs	Regular	24/07/2023
10	Mrs. V K Patil	B.E.(Electrical Engineering)	GECOA, 2016	Lecturer 22.12.2018	0	5	0	Nil	Nil	3 Yrs	Regular	Continue
11	Ms. S S Jayde	M.E.(D.E.)	SGBAU, AMARAVATI2011	Lecturer 18.08.2021	0	4	0	Nil	Nil	15 Yrs	Regular	Continue
12	Mr. G B Sude	M.PHILL ENG.	SavitribaiPhule Pune University. 2008	Lecturer 11.09.2009	0	4	0	Nil	Nil	13 Yrs	Regular	12.6.2023
13	Mr. M B Nawarkhele	MSC PHYSICS	SGBAU, AMARAVATI, 2004	Lecturer 02.05.2011	0	1	0	Nil	Nil	13 Yrs	Regular	Continue
14	Ms. N S Deshmukh	M. PHILL MATHS	SRTMU, NANDED, 2011	Lecturer 29.10.2021	0	8	0	Nil	Nil	14 Yrs	Regular	24/07/2023

Faculty Information: For CAYm3 2021-2022

Sr.	Name of the Faculty Member	Qualification	University and Year of	Designation and	Distribution of TeachingL	Academic Research	Ya	Nature of associ	Date of leav

No.			Graduation	date of Joining the institution	oad (%)					rs of experience	ation (contract/ regular)	ing
					a	l	c	Research Paper publication	Faculty Receiving M.Tech/Ph.D.			
1	Mr. N S Jadhao	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2022	Lecturer 23.08.2021			0	Nil	Nil	12 Yr.	Regular	Continue
2	Mr. G K Mangnale	ME (Computer Networking)	SRTMU, NANDED, 2019	Lecturer 13.07.2016			0	Nil	Nil	10 Yrs	Regular	Continue
3	Mr. P L Satore	ME (Computer Science & Engineering)	SRTMU, NANDED, 2020	Lecturer 23.03.2011			0	Nil	Nil	10 Yrs	Regular	Continue
4	Mr. A. T Adhave	B.E. (Info.Tech.)	SRTMU, NANDED, 2008	Lecturer 07.06.2019			0	Nil	Nil	10 Yrs	Regular	24/07/2023
5	Mr. P B Mali	ME (Info.Tech.)	RGPV, BHOPAL, 2014	Lecturer 23.08.2021			0	Nil	Nil	10 Yrs	Regular	Continue
6	Ms. P P Deshpande	ME (Computer Science & Engineering)	Dr.BAMU, Aurangabad, 2008	Lecturer 08.09.2021			0	Nil	Nil	10 Yrs.	Regular	Continue
7	Mr. M S Limje	B.E. (Computer Science & Engineering)	SGBAU, AMARAVATI,	Lecturer 26.08.2021			0	Nil	Nil	9 Yrs	Regular	Continue
8	Ku. P S Patil	ME (Computer Science & Engineering)	SGBAU, AMARAVATI, 2021	Lecturer 24.08.2021			0	Nil	Nil	5 Yrs	Regular	Continue

9	Mr. P H Gutte	MTEC (Computer Science & Engineering)	Shivaji University Kolhapur, 2014	Lecturer 01.08.2016	0	0	Nil	Nil	5 Yrs	Regular	24/07/2023
10	Ms. S S Jayde	M.E.(D.E.)	SGBAU, AMARAVATI,2011	Lecturer 18.08.2021	0	0	Nil	Nil	14 Yrs	Regular	Continue
11	Mr. G B Sude	M.PHILL ENG.	Savitribai Phule Pune University, 2008	Lecturer 11.09.2009	0	0	Nil	Nil	12 Yrs	Regular	12.6.2023
12	Mr. M B Nawarkhele	MSC PHYSICS	SGBAU, AMARAVATI, 2004	Lecturer 02.05.2011	0	0	Nil	Nil	12 Yrs	Regular	Continue
13	Ms. N S Deshmukh	M. PHILL MATHS	SRTMU, NANDED, 2011	Lecturer 29.10.2021	0	0	Nil	Nil	13 Yrs	Regular	24/07/2023
14	Mrs. V K Patil	B.E.(Electrical Engineering)	GECOA, 2016	Lecturer 22.12.2018	0	0	Nil	Nil	2 Yrs	Regular	

5.1 Student-Faculty Ratio (SFR)

S:F ratio = N/F; F= No. of faculty = (a+b) for every assessment year

a : Faculty of the specific program / department considering fractional load
b : Faculty serving this program / department considering fractional load
c : Faculty of this program serving other program / department considering fractional load
N = No. of Students = Sanctioned Intake + Actually Admitted lateral entry students

Term	N	F	F	SFR=N/F
CAY (2024-25)	192	8.69	8.24	23.30
		7.79		
CAYm1 (2023-24)	192	9.02	8.43	22.76
		7.84		
CAYm2 (2022-23)	182	12.35	12.13	15.83
		11.9		
Average SFR				20.63

5.1.1 Provide the information about the regular and contractual faculty as per the format mentioned below:

Table 5.1.1

Year	Total no. of regular faculty in the department	Total no. of contractual faculty in the department
CAY (2024-25)	9	0
CAYm1 (2023-24)	6.5~7	0
CAYm2 (2022-23)	6	0

5.2 Faculty Qualification(25)

5.2.1 Faculty Qualification Index(20)

FQ = 2.0 * (10X + 7Y)/F where X is no. of faculty with M.Tech (In case of humanities and science M.phil/ Ph.D.) and Y is no. of faculty with B.Tech (In case of humanities and science MA/M.sc), F is no. of faculty required to comply 1:25 Faculty Student Ratio.

Table 5.2.1

Year	X	Avg(X)	Y	Avg(Y)	AVG (O,E)=F	FQ=2.0*(10x +7y)/F
CAY (2024-25)ODD	9	7	3	4	7.86	2.0*(10*7 + 7 *4)/ 7.86 = 24.94
CAY (2024-25) EVEN	5		5			
CAYm1 (2023-24)ODD	9	7.5	3	3	7.86	2.0*(10*7.5 + 7 *3)/7.86 =24.43
CAYm1 (2023-24) EVEN	6		3			
CAYm2 (2022-23)ODD	11	10.5	3	3	7.86	2.0*(10*10.5 + 7 *3)/7.86 =32.06
CAYm2 (2022-23)EVEN	10		3			
					Average Assessment	27.143

5.2.2 Availability of Faculty/principal of that discipline with Ph. D. Qualification (05)

ame and Designation of Faculty	ualification	University	ar of Passing
Nil	Nil	Nil	Nil

5.3 Faculty Retention:

No. of faculty members in CAYm1 = 07
No. of faculty members in CAY = 06

To calculate Faculty retention the CAYm3 is taken as a base year and average percentage of CAYm2, CAYm1 and CAY is calculated. The average percentage faculty rented during period of assessment keeping CAYm3 as base year is more than the average of assessment years hence 100% retention.

No. of Faculty Members retained during the academic years 2020-21,2021-22, 2022-23, 2023-24, 2024-25 :

Assessment Year	Base Year 2019-20	2020-21 CAYm4	2021-22 CAYm3	2122-23 CAYm2	2023-24 CAYm1	2024-25 CAY
No. of Faculty Post Sanctioned	8	8	8	8	8	8
No. of Faculty Retained	3	3	3	9	7	6
Faculty Retention in %	37.5%	100%	100%	100%	77.78%	85.71%
Average Faculty Retention	Base Year-37.5%	Avg (CAYm4, CAYm3,CAYm2) 100%		Avg (CAYm3, CAYm2,CAYm1) 92.59%		Avg (CAYm2, CAYm1,CAY) 87.83

5.4 Faculty as participant in Faculty development/training activities (42)

5.4.1 Faculty as participant in Faculty development/training activities conducted by other organization(30) :

- A Faculty scores maximum five points for participation
- Participant in 1 to 2 days Faculty / faculty development program: 1 Points
- Participant in 3 to 5 days Faculty / faculty development program: 2 Points
- Participant in > 5 days Faculty / faculty development program: 5 Points

Sr No.	Name of the Faculty	CAYm3 2021-22			CAYm2 2022-23			CAYm1 2023-24			CAY 2024-25		
		1-2 days	3-5 days	> 5 days	1-2 days	3-5 days	> 5 days	1-2 days	3-5 days	> 5 days	1-2 days	3-5 days	>5days
1	Mr N S JADHAV	-	**2**	**5**	-	**2**	-	-	-	-	-	**2**	
2	Mr. G K MANGANALE	-	**2,2**	**5**	_	-	-	-	**2**	-	-	**2**	
3	Mr. P L SATORE	-	2,2	5, 5	-	-	-	-	**2**	-	-	2	
4	Mrs. P P	-	**2**	**5**	-	-	-	-	**2**	-	-	2	

	DESHPANDE												
5	Mr. M S LIMJE	-	**2**	**5**	-	-	**5**	-	**2**	-	-	**2**	-
6	Ms P S PATIL	-	**2,2, 2,2**	**5, 5**	-	-	**5**	-	-	-	-	**2**	-
7	Mr P B MALI	-	**2**	-	-	-	-	-	-	-	-	-	-
8	Mr. A T ADHAVE	-	**2**	-	-	-	-	-	-	-	-	-	-
9	Mr P H GUTTE	-	**2**	-	-	-	**5**	-	-	-	-	-	-
10	Mr. J C RATHOD	-		-	-	-	-		-	-	-	-	-
11	Mr. A B DAMKONDWAR	-	-	-	-	-	-		-	-	-	**2, 2, 2**	-
12	Mrs S G DUTAL	-		-	-	-	-	-	-	-	-	**2, 2**	**5**
13	Mr M B NAWARKHEL	-	**2**	-	-	-	-	-	**2,2, 2**	-	-	**2, 2**	**5**
14	Mr S R MUDHOLKAR	-	-	-	-	-	-	-	-	-	-	**2, 2**	-
15	Mr A P KEDAR	-	**2**	**5, 5, 5**	-	-	**5**	**1**	-	-	-	**2**	**5-**
16	Mr. J K KOLHE	-	-	-	-	-	-	-	**2,2, 2,2**	-	-	**2**	**5-**
17	Mrs V K PATIL	-	**2**	-	-	-	**5**	-	-	-	-	-	-
18	Mr V D RAUT	-	**2**	-	-	-	-	-	-	-	-	-	-
19	Mr. T S PARODWAR	-	**2**	-	-	-	**5**	-	-	**5**	-	-	-
20	Mr J S SHAIKH	-	**2**	-	-		-	-	-	-	-	-	-
21	Mrs A A JOSHI	-		-	-	-	-	-	-	-	-	-	-
22	Mrs S S JAYADE	-	**2**	-	-	-	-	-	-	-	-	-	-
23	Mr G B SUDE	-	**2**	-	-	-	-	-	-	-	-	-	-
24	Mrs. N S DESHMUKH	-	**2**	-	-	-	-	-	-	-	-	-	-
Sum		**57**			32			24			37		
RF=Number of Faculty Required		7.68			7.68			7.68			7.68		

to comply with 25:1 student – Faculty ratio as per 5.1				
Assessment=6*(sum/0.5RF)	**89.06**	**50**	**37.5**	**57.81**
Marks Limited to 30	**30**	**30**	**30**	**30**
Average assessment over three years **(**Marks limited to 30)				**30**

5.4.2 Organized/Conducted FDPs and STTP by this department at State/National Level (12)

AICTE-ISTE Sponsored One Week Online Induction Program in Three Phases on Development of Entrepreneurship & Managerial Skills was organized by Electronics and Telecommunication Department from 22nd February to 10 April 2021.

Sr.No.	Name of Training	Organized By	Date	Session of Training
1	Development of Entrepreneurship & Managerial Skills	AICTE-ISTE	22nd February to 10 April 2021	05 Days

5.5 Product development, Consultancy, Manufacturing contracts, testing contracts (8)

Product development, Consultancy, Manufacturing Contracts, testing contracts resulting into revenue Generation.

One faculty conducted an expert session for Road Transport Officer's in RTO Hingoli on topic "Use of AI in RTO and Transportation system".

One faculty worked as resource person for MSBTE 'I' scheme curriculum development and actively worked for industry competency need analysis, framing of PEOs, framing of course structure, development of rubrics, design of curriculum contents for one course, lab manual and sample question paper.

Apart from Classroom and Laboratory teaching and various departmental activities the faculties of Computer Engineering Department are involved in various institute level Portfolios. Department indirectly supports Product Development, Consultancy, Manufacturing Contracts, Testing Contracts which is done by other departments by contributing to institute level work. With this faculty from other departments is available for Product Development, Consultancy, Manufacturing Contracts, and Testing Contracts resulting into revenue generation. Contribution in activities like conduction of examination, regional assessment center, distribution center etc.

5.5.1 Consultancy (from Industry)

Following is the IRG generated by Computer Engineering Department through various exams.

- Apart from Classroom and Laboratory teaching and various departmental activities the faculties of Computer Engineering Department are involved in various recruitment exams conducted in department laboratory.
- Department indirectly supports Product Development, Consultancy, Manufacturing Contracts, Testing Contracts which is done by other departments by contributing.
- Contribution in activities like conduction of examination, regional assessment center, distribution center etc.
- Testing consultancy of electronics and electrical department done through our department resulting into revenue generation.
- Testing consultancy of various district departments like samaj kalyan, zillha parishad, Collector office, Forest Dept, CET Cell, ITDP as well private consultancy work is undertaken.
- Around 10 lakhs rupees of consultancy revenue generation was done at institute level in previous three years.

Sr. No.	Name of Exam	IRG Generated
1	Zillah Parishad Various Post Recruitment	Aprox. 50000/-
2	Forest Department Various Post Recruitment	Aprox. 80000/-
3	MHT-CET State CET Cell	Aprox. 200000/-
4	CET- MBA, MCA, LLB	Aprox. 50000/-
5	Other Exams	Aprox. 50000/-

5.5.2 Testing Contracts:

Following are the testing contracts done by Computer Engineering Department.

Sr. No.	Name of Office	Year	Amount
1	Social Welfare Department Hingoli	Year 2024-25	155654/-
2	Road Transport Office Hingoli	Year 2024-25	9708/-
3	Social Welfare Department Hingoli	Year 2023-24	128000/-
4	Zilla Parishad Hingoli	Year 2023-24	8032/-
5	Social Welfare Department Hingoli	Year 2022-23	5400/-
6	Zilla Parishad Hingoli	Year 2022-23	10000/-

5.6 Faculty Performance Appraisal and Development System (FPADS) (30)

A. A well-defined FPADS instituted for all the assessment years (05)

The main objective of Faculty Performance Appraisal and Development System to maintain standards of higher and technical education. Accordingly, resolutions issued by the Government from time to time specified the terms and conditions of service. Faculty Performance Appraisal and Development System(FPADS)approved by State Government of Maharashtra Higher and technical Education and Employment in Department,CRF 1096(20/96)TE-4 dated 25th march 1997 and further directed that the performance appraisal report shall be append to the annual confidential reports. The same format has been prescribed for the post of lecturer, senior grade lecturer, professor, Assistant professor. A separate format prescribed format for Head of Department and separate format prescribed for Head of institution/Principal. As per the prescribe "Performance Appraisal and Development Systems" format is for period of one year and assessment of performance is carried out on various academic, administrative and managerial indicators as given below.

A) Academic Indicators Assessment

1. Performance of engaging lecture
2. Performance of attendance of students
3. Performance of result

Assessments of academic performance indicators measures aptitude for teaching and efforts taken, to make lectures interesting, dedicated efforts to improve teaching skills and involvement of students in learning process, examinations results of regular students, average of results of last three years of particular course.

B) Administrative and managerial indicators assessment

This measures various qualities, functions and behavioral accepts of teachers such as class room planning and Control, Student Guidance and Counseling, Assignment Evaluation, Curriculum/Learning, Seminars/Training, Co-curricular activities and Administrative Functions. To measure the performance of each indicator 4 point scale viz. Excellent, Good, Average and Poor has been specified for indicators assessment.

C) Final Assessment

The final assessment grade is given by Head of Institute/Principle considering total weight achieved in academic, administrative and managerial functions out of 100.The special weight maximum to 05 can be awarded by Head of Institute/Principle for extra ordinary contribution for the institutional development.

Table 5.6.1: Administrative and managerial indicators assessment

Sr. no.	Weightage	Performance	Grade
1	100-081	Outstanding	A+
2	080-071	Excellent	A
3	070-061	Positively Good	B+
4	060-051	Good	B
5	050-035	Average	B
6	034-000	Below Average	C

An effective performance appraisal system for Faculty is vital for optimizing the Contribution of individual faculty to the institutional performance.

Furthermore the rules were revised by Maharashtra Government resolution no.CFR1210/Pra.Kra.47/2010/13 Dated 01/11/2011.

The New format of "Performance Appraisal and Development Systems" is also for period of one year and assessment of performance is carried out on various academic indicators as given below.

A) Academic Indicators Assessment

1. Number of Lectures delivered

2. Number of Tutorial taken

B) Number of interns supervised and post graduate students guided.

C) Number of research papers/paper published in national and international journals.

D) Skill Up-Gradation

- Acquired additional educational qualification
- Any recognition/reward earned for work

To measure the performance of each indicator grade viz. A, B, C, A+ has been specified for indicators assessment. "Overall Gradation is less than 4 would be treated as"C", Overall Gradation 4 and above but less than6 would be treated as"B",Overall Gradation 6 and above but less than 8 would be treated as "A "and overall Gradation 8 and above would be treated as "A+".

Sample of performance appraisal forms for Grade A (Lecturer, Head of the department and Principal) and Grade- C (Laboratory Instructor, Laboratory Assistant) staff are presented below.

Performance Appraisal Form For Grade-A Officer

शासन निर्णय क्रमांक: **सीएफआर-१२१८/प्र.क्र.८/तेरा**

शासन निर्णय,सामान्य प्रशासन विभाग, क्रमांक:सीएफआर-१२१८/प्र.क्र.८/तेरा,दि.५/३/२०१८ सोबतचे
"परिशिष्ट-अ"

प्रपत्र-६

For Professor /Associate Professor/Assistant Professor /Lecturer those working with colleges and universities other than medical and veterinary colleges and universities

वैद्यकीय व पशुवैद्यकीय महाविद्यालये व विद्यापीठे वगळून अन्य महाविद्यालये व विद्यापीठात कार्यरत प्राध्यापक / सहयोगी प्राध्यापक / सहायक प्राध्यापक/अधिव्याख्याता यांच्याकरिता

मूल्यमापन अहवालाचा कालावधि - पासून पर्यंत

(Appraisal report for the period from to)

भाग १ (Section -१)

आस्थापना शाखेने भरावयाची माहिती (To be filled in by Establishment section)

१. प्रतिवेदन करावयाच्या शासकीय अधिकाऱ्याचे नाव (Name of the officer reported upon)	
२. संवर्ग (Cadre)	
३. जन्म दिनांक (Date of Birth)	
४ . सध्याचे पद (Present Post)	
५. सध्याच्या पदावर नियुक्तीचा दिनांक (Date of appointment to present post)	
६ . प्रशासकीय विभाग/ कार्यालय (Administrative Department / office)	

७. प्रतिवेदन अधिकारी व पुनर्विलोकन अधिकारी यांचा तपशील (Details of Reporting and Reviewing officers)

	नाव (Name)	पदनाम (Designation)	कालावधि (Period)
आ)प्रतिवेदन अधिकारी (Reporting officer)			
ब) पुनर्विलोकन अधिकारी (Reviewing officer)			

पृष्ठ ४७ पैकी ३८

८. प्रतिवेदन काळातील रजा आणि इतर अनुपस्थितीचा तपशील (Details of leave and absence due to other reasons during period under report) –

	कालावधि (Period)	प्रकार (Type)	Remarks (शेरा)
अ) **रजा** (Leave)			
ब) इतर कारणे (विशद करा) जसे की, विनापरवानगी गैरहजेरी /फरार. (Other reasons (specify) such as absconding, unauthorized absence, etc.)			

९. प्रतिवेदन काळात घेतलेल्या प्रशिक्षणाचा तपशील (Details of training undergone during period under report)

अ. क्र.	कालावधि (Period) पासून (from) पर्यंत (to)	संस्था (Institute)	विषय (Subject)
१.			
२.			
३.			

१०. संबंधित अधिकाऱ्याने मूल्यमापनाच्या मागील वर्षापर्यंत प्रतिवेदन / पुनर्विलोकन अधिकारी म्हणून न लिहिलेल्या गोपनीय/मूल्यमापन अहवालाचा तपशील (Details of Confidential/Assessment Reports not Written/ Reviewed, as Reporting/ Reviewing officer, by officer under report upto previous assessment year)

अ.क्र.	कालावधि (Period) पासून (from) पर्यंत (to)	प्रतिवेदन/पुनर्विलोकन (Reporting/Review)	अधिकारी/कर्मचारी यांचे नाव व पदनाम (Name and Designation of officer/employee)
१.			
२.			

११. मागील वर्षाच्या दि. ३१ मार्च अखेरचे वार्षिक मालमत्ता विवरणपत्र संबंधित प्राधिकाऱ्याकडे सादर केल्याचा दिनांक (Date of filing Assets and Liability statement of previous year to concerned authority.)

दिनांक (Date) :-
ठिकाण (Place):-

आस्थापना अधिकारी यांचे नाव, पदनाम व स्वाक्षरी
Name, Designation and signature of Establishment officer

भाग - २ (Section-२)

स्वयंमूल्यनिर्धारण अहवाल (Self-Appraisal Report)
(ज्यांचे प्रतिवेदन व पुनर्विलोकन होईल त्या अधिकारी यांनी भरावयाची माहिती)
(To be filled in by officer reported upon and reviewed)

१. धारण केलेल्या पदावरुन करणे अपेक्षित असलेल्या कामाचे थोडक्यात विवरण (Brief description of tasks required to be performed while holding the post.) (५० शब्द)

२. वार्षिक/ प्रतिवेदनाच्या कालावधिकरिता कार्य नियोजन आणि कार्यसिद्धी (Work plan and output during the year or period reported upon) :-

		प्रदेये (Deliverables)		
अ.क्र. (Sr.No.)	करावयाचे काम (Task to be performed)	सुरुवातीची (Initials)	मध्य-वर्ष (Mid Year)	प्रत्यक्ष पूर्ण केलेले उद्दीष्ट Actual Achievement
१.				
२.				
३.				

३. वर्षभरात / सदर कालावधित पार पाडलेल्या ४-५ महत्वाच्या व उल्लेखनीय कामांचे संक्षिप्त वर्णन (List ४-५ important and noteworthy works done during the period) (१०० शब्दात)

४. वर्षभरात/सदर कालावधीत महत्वाच्या तांत्रिक व प्रशासकीय निर्देशांकात केलेले काम (Details of performance in important technical and administrative indicators during the year)

अ)

अ.क्र. Sr.No.	निर्देशांक Indicator	वार्षिक उद्दिष्ट Annual Target	साध्य Achievement
१	विद्यार्थ्यांकरीता घेतलेली व्याख्याने (Number of lectures delivered)		
२	घेतलेल्या ट्युटोरिअल्सची संख्या (Number of tutorials taken)		

ब) देखरेख केलेल्या प्रशिक्षणार्थींची संख्या आणि मार्गदर्शन केलेल्या पदव्युत्तर विद्यार्थ्यांची संख्या (Number of interns supervised and post graduate students guided)	
क) राष्ट्रीय आणि आंतरराष्ट्रीय पातळीवर प्रसिद्ध केलेल्या संशोधन लेखांची /लेखांची संख्या (Number of Research Papers /papers published in national and international journals)	
ड) कौशल्य उंचावणे (Skill Up-gradation) • प्राप्त केलेली अतिरिक्त शैक्षणिक अर्हता (Acquired additional educational qualification) • प्राप्त झालेले मान / सन्मान (Any recognition/reward earned for work)	
५. जी उद्दीष्टे पूर्ण होऊ शकली नाहीत , त्याकरीता आलेल्या अडचणी (Difficulties faced in not achieving certain targets)	
६. कार्यक्षमता वाढविण्याकरीता स्वत:स आवश्यक वाटते असे प्रशिक्षणाचे क्षेत्र (Mention areas of required training which you feel necessary for higher efficiency)	
लगतच्या सेवाकालावधिसाठी (for near future in service period) दीर्घकालीन सेवाकालावधिसाठी (for long term service period)	
७. आपण प्रतिवेदन अधिकारी असलेल्या अधिकाऱ्यांकरीता/कर्मचाऱ्यांकरीता वार्षिक कार्यनियोजन तयार केले आहे काय? :- होय / नाही (Have you prepared Annual Work Plan for officers /employees for whom you are reporting officer ? :- Yes / No)	
८. मागील वर्षाच्या दि. ३१ मार्च अखेरचे वार्षिक मालमत्ता विवरणपत्र संबंधित प्राधिकाऱ्याकडे सादर केले आहे काय ? होय / नाही, सादर केले असल्यास दिनांक) (Whether Assets and Liability statement of previous year, submitted to concerned authority? - Yes / No, Date of submission, if submitted)	

ठिकाण (Place)
दिनांक (Date)

अधिकाऱ्याची सही, नाव व पदनाम
Signature, Name and Designation of officer

भाग ३ (Section 3)

प्रतिवेदन अधिकाऱ्याने लिहावयाचा मूल्यमापन अहवाल

Performance Appraisal Report prepared by reporting officer

१. भाग २ मध्ये नमुद करण्यात आलेल्या स्वयंमूल्यनिर्धारण अहवालाशी आपण सहमत आहात काय? नसल्यास, वस्तुस्थितीदर्शक अभिप्राय द्यावेत. (Whether you agree with self-assessment recorded in part two? If not, then state factual position)
२. प्रतिवेदन कालावधित पार पाडलेल्या महत्त्वपूर्ण व उल्लेखनीय कामांसंदर्भात आपले स्पष्ट अभिप्राय दयावेत. (Offer your remarks on important and noteworthy works mentioned in self-assessment report)
३. प्रतिवेदित अधिकारी/कर्मचारी यांचे त्यांच्या कामाच्या संदर्भात लक्षणीय अपयश निदर्शनास आले असल्यास वस्तुस्थितीदर्शक अभिप्राय द्यावेत. (Has the officer/employee reported upon met with significant failures in respect of his work? If yes, please furnish factual details)
४. संबंधित अधिकाऱ्यांनी कार्यक्षमता वाढविण्याकरीता आवश्यक असलेल्या प्रशिक्षणाचे क्षेत्रास सहमत आहात काय ? (Do you agree with the skill up-gradation needs as identified by the officer ?)
५. अधिकारी/कर्मचारी यांची कार्यपूर्तता, कार्यक्षमता व वैयक्तिक गुणवैशिष्टये याबाबतचे गुणांकन. (Gradation on works completed, efficiency and personal attributes by officers/ employees) {१-१० चा मर्यादेत गुणांकन देण्यात यावे.}

अ) कार्यपूर्तता (Work completion) (weightage ४० %)

अ.क्र. Sr.No.	मुद्दे Points	प्रतिवेदन अधिकारी Reporting Officer	पुनर्विलोकन अधिकारी (Review Officer)	पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी (Signature of Review Officer)
१	उद्दिष्टांनुसार नेमून दिलेल्या कार्याची पूर्तता (Accomplishment of planned work)			
२	केलेल्या कामाचा दर्जा (Quality of Output)			
३	केलेली उल्लेखनीय/ वैशिष्टयेपूर्ण कामे (Accomplishment of exceptional work /unforeseen tasks performed)			
प्राध्यापक / सहयोगी प्राध्यापक / सहायक प्राध्यापक/अधिव्याख्याता यांच्याकरिता अतिरीक्त मुद्दे (Additional points for Professor /Associate Professor/Assistant Professor/Lecturer)				
४	विद्यार्थ्याकरीता व्याख्याने, प्रात्यक्षिके घेऊन विहीत कालावधीत पूर्ण केलेल्या अभ्यासक्रमाचे मूल्यमापन (Evaluation of completed syllabus in stipulated period with lectures and practical)			
	कार्यपूर्तता या घटकाचे सरासरी गुणांकन (Average gradation on Work completion)			

ब) वैयक्तिक गुणवैशिष्टये (Personal attributes) (weightage ३० %)

अ.क्र. Sr.No.	मुद्दे Items	प्रतिवेदन अधिकारी Reporting Officer	पुनर्विलोकन अधिकारी (Review Officer)	पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी (Signature of Review Officer)
१	कामाबाबतचा दृष्टीकोन (Attitude to work)			
२	जबाबदारीची जाणीव (Sense of responsibility)			
३	सर्वसाधारण वर्तणूक व व्यक्तिमत्व (Overall bearing and Personality)			
४	भावनिक संतुलन (Emotional stability)			
५	संवाद कौशल्य (Communication Skills)			

६	नैतिक धैर्य आणि व्यावहारीक भूमिका घेण्याचा कल (Moral Courage and willingness to take professional stand)			
७	नेतृत्वगुण (Leadership qualities)			
८	विहीत कालमर्यादेत काम करण्याची क्षमता (Capacity to work in time limit)			
प्राध्यापक / सहयोगी प्राध्यापक / सहायक प्राध्यापक/अधिव्याख्याता यांच्याकरिता अतिरीक्त मुद्दे (Additional points for Professor /Associate Professor/Assistant Professor/Lecturer)				
९	विद्यार्थ्यांचे समुपदेशन, करिअरविषयक मार्गदर्शन, संशोधन कार्य/ विशेष कौशल्य यासंदर्भात मार्गदर्शन (Students counselling, career guidance, guidance in respect of research work/special skills)			
१०	अभ्यासक्रमाशी निगडीत आणि पूरक उपक्रमातील सहभाग जसे की, पर्यावरण, साक्षरता, वृक्षारोपण, नैतिक व सामाजिक मुल्ये याविषयांचे कार्यक्रम, शैक्षणिक सहल इ. (Participation In co-curricular and extra-curricular activities viz programmes related to environment, literacy, tree plantation, moral and social values study tours etc)			
	वैयक्तिक गुणवैशिष्टये या घटकाचे सरासरी गुणांकन (Average gradation on Personal Attributes)			

क) कार्यक्षमता (Efficiency) (weightage ३० %)

अ.क्र. Sr.No.	मुद्दे (items)	प्रतिवेदन अधिकारी Reporting Officer	पुनर्विलोकन अधिकारी (Review Officer)	पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी (Signature of Review Officer)
१	संबंधित कायदे, नियम व प्रचलित कार्यपद्धती, माहिती तंत्रज्ञान आणि संबंधित क्षेत्रातील स्थानिक पद्धती याबाबतचे ज्ञान (Knowledge of relevant Acts/ Rules/procedures/IT Skill and awareness of local norms in the relevant area)			

२	कौशल्यपूर्ण नियोजनाची क्षमता (Strategic planning ability)			
३	स्वत: निर्णय घेऊन काम करण्याची क्षमता (Decision making ability)			
४	उपक्रमशीलता (Initiative)			
५	आपल्या कामांशी संबंध येणाऱ्या इतर शासकीय यंत्रणेशी समन्वय साधण्याची क्षमता (Ability to co-ordinate with other government agencies in relation to work.)			
६	हाताखालील कर्मचाऱ्यांना प्रेरणा देणे आणि त्यांच्या विकसनाची क्षमता (Ability to motivate and develop subordinates/work in a team)			
प्राध्यापक / सहयोगी प्राध्यापक / सहायक प्राध्यापक/अधिव्याख्याता यांच्याकरिता अतिरीक्त मुद्दे (Additional points for Professor /Associate Professor/Assistant Professor/Lecturers)				
७	उपलब्ध साधन सामुग्रीचा इष्टतम विनियोग करण्याची क्षमता (Capacity to make use of available resources in an optimum manner)			
	कार्यक्षमता या घटकाचे सरासरी गुणांकन (Average gradation on Work efficiency)			

६. संबंधित कर्मचाऱ्याच्या सचोटी व चारित्र्याबाबत आपले स्वयंस्पष्ट अभिप्राय द्यावेत (प्रतिकूल अभिप्राय असल्यास सोबत त्याबाबतची उदाहरणे नमूद करावीत) (Offer your remarks on character and integrity (if remarks are negative, then mention instances)

७. अधिकारी/कर्मचारी यांचे एकंदरीत मूल्यमापन (जास्तीत जास्त १०० शब्द) (Overall Assessment of officer/employee (Maximum १०० words)
यामध्ये संबंधित अधिकाऱ्याची बलस्थाने, उणीवा आणि दिव्यांग व्यक्ती, महिला व मागासवर्गीयांबाबतचा दृष्टीकोन यांचा समावेश असावा. (Include Strengths and lesser strengths and his attitude towards disabled persons, women and Backward classes)

८. प्रकृतीमान (State of Health)
(उत्कृष्ट/चांगले/चांगले नाही) (Very good/Good/Not Good)

९. पुढील नियुक्तीसाठी कार्यक्षेत्राबाबत शिफारशी (कमीत कमी ४)(Recommendatins relating to domain assignment(At least ४))

१.	२.
३.	४.

१०. एकंदरीत गुणांकन (Overall Gradation)

ठिकाण (Place)
दिनांक (Date)

प्रतिवेदन अधिकाऱ्याची सही, नाव व पदनाम
Signature, Name & Designation of Reporting Officer

भाग -४ (Section ४)

पुनर्विलोकन (Review)

पुनर्विलोकन अधिकाऱ्याचे अभिप्राय (Remarks of Reviewing Officer)

१. आपण प्रतिवेदन अधिकाऱ्याने, संबंधित अधिकाऱ्याच्या कार्यपूर्तता, कार्यक्षमता, वैयक्तिक गुणवैशिष्टये यासंबंधाने भाग ३ मधील मुद्दांच्या सहाय्याने केलेल्या मूल्यनिर्धारणाशी सहमत आहात काय? (Do you agree with assessment of Reporting Officer on work done, efficiency, personal attributes in part ३ of concerned officer?)

होय (Yes)	नाही (No)

२. सहमत नसल्यास, तपशिल व कारणे द्यावीत (In case of difference of opinion details and reasons for the same may be given)

३. अधिकाऱ्याचे एकंदरीत मूल्यमापन (जास्तीत जास्त १०० शब्द) (Overall Assessment of officer (Maximum १०० words) यामध्ये संबंधित अधिकाऱ्याची बलस्थाने, उणीवा आणि दिव्यांग व्यक्ती, महिला व मागासवर्गीयांबाबतचा दृष्टीकोन यांचा समावेश असावा. (Include Strengths and lesser strengths and his attitude towards disabled persons, women and Backward classes)

४. पुढील नियुक्तीसाठी कार्यक्षेत्राबाबत शिफारशी (कमीत कमी ४)(Recommendations relating to domain assignment(At least ४))

१.	२.
३.	४.

५. एकंदरीत गुणांकन (Overall Gradation) -
{१-१० या मर्यादेत गुणांकन देण्यात यावे.}

ठिकाण (Place) -
दिनांक (Date) -

पुनर्विलोकन अधिकाऱ्याची सही, नाव व पदनाम
Signature, Name & Designation of Reviewing Officer

गोपनीय अहवालाची छायांकित प्रत समक्ष मिळाली, संबंधित अधिकारी/कर्मचारी यांचे नाव व दिनांकित स्वाक्षरी	गोपनीय अहवालाची छायांकित प्रत संबंधित अधिकारी/कर्मचारी यांना डाकेने पाठविल्यास पत्र क्र. - दिनांक - संस्करण अधिकारी यांचे नाव, पदनाम व स्वाक्षरी

Appraisal Form For Grade 3 Staff

" परिशिष्ट- अ "

प्रपत्र-२

" गट-ब (अराजपत्रित) आणि गट-क" मधील शासकीय अधिकारी /कर्मचारी यांच्यासाठी कार्यमूल्यमापन अहवाल

Performance Appraisal report for Group "Group B (Non Gazetted) and group C" Government Officers /employees

मूल्यमापन अहवालाचा कालावधि - पासून पर्यंत

(Appraisal report for the period from to)

भाग १ (Section -१)

आस्थापना शाखेने भरावयाची माहिती (To be filled in by Establishment section)

१. प्रतिवेदन करावयाच्या शासकीय अधिकाऱ्याचे / कर्मचाऱ्याचे नाव (Name of the officer /employee reported upon)	
२. संवर्ग (Cadre)	
३. जन्म दिनांक (Date of Birth)	
४ . सध्याचे पद (Present Post)	
५. सध्याच्या पदावर नियुक्तीचा दिनांक (Date of appointment to present post)	
६ . प्रशासकीय विभाग/ कार्यालय (Administrative Department / office)	

७. प्रतिवेदन अधिकारी व पुनर्विलोकन अधिकारी यांचा तपशील (Details of Reporting and Reviewing officers)

	नाव (Name)	पदनाम (Designation)	कालावधि (Period)
अ) प्रतिवेदन अधिकारी (Reporting officer)			
ब) पुनर्विलोकन अधिकारी (Reviewing officer)			

पृष्ठ २२ पैकी १५

८. **प्रतिवेदन काळातील** रजा आणि इतर अनुपस्थितीचा तपशील

(Details of leave and absence due to other reasons during period under report) -

	कालावधि (Period)	प्रकार (Type)	Remarks (शेरा)
आ) रजा (Leave)			
ब) इतर कारणे (विशद करा) जसे की, विनापरवानगी गैरहजेरी /फरार. (Other reasons (specify) such as absconding, unauthorized absence, etc.)			

९. **प्रतिवेदन काळात घेतलेल्या** प्रशिक्षणाचा तपशील (Details of training undergone during period under report)

अ. क्र.	कालावधि (Period) **पासून** (from) **पर्यंत** (to)	संस्था (Institute)	विषय (Subject)
१.			
२.			
३.			

११. मागील वर्षाच्या दि. ३१ मार्च अखेरचे वार्षिक मालमत्ता विवरणपत्र संबंधित प्राधिकाऱ्याकडे सादर केल्याचा दिनांक (Date of filing Assets and Liability statement of previous year to concerned authority.)

दिनांक (Date) :-

ठिकाण (Place):- आस्थापना /संस्करण अधिकारी यांचे नाव, पदनाम व स्वाक्षरी

Name, Designation and signature of Establishment /Processing officer

पृष्ठ २२ पैकी १६

भाग – २ (Section-२)

स्वयंमूल्यनिर्धारण अहवाल (Self-Appraisal Report)
(ज्यांचे प्रतिवेदन व पुनर्विलोकन होईल त्या अधिकारी /कर्मचारी यांनी भरावयाची माहिती)
(To be filled in by officer /employee reported upon and reviewed)

१. धारण केलेल्या पदावरुन करणे अपेक्षित असलेल्या कामाचे थोडक्यात विवरण (Brief description of tasks required to be performed while holding the post.) (५० शब्द)

२. वार्षिक/ प्रतिवेदनाच्या कालावधिकरिता नेमून दिलेल्या कामाची उद्दीष्टे (असल्यास) (Allocated Tasks (if any) for the year or period reported upon) :-

३. वर्षभरात / सदर कालावधित पार पाडलेल्या ४-५ महत्वाच्या व उल्लेखनीय कामांचे संक्षिप्त वर्णन (List ४-५ important and noteworthy works done during the period) (१०० शब्दात)

४. जे उद्दीष्टे पूर्ण होऊ शकली नाहीत, त्याकरीता आलेल्या अडचणी (Difficulties faced in not achieving certain targets)

५. कार्यक्षमता वाढविण्याकरीता स्वतःस आवश्यक वाटते असे प्रशिक्षणाचे क्षेत्र (Mention areas of required training which you feel necessary for higher efficiency)

६. मागील वर्षाच्या दि. ३१ मार्च अखेरचे वार्षिक मालमत्ता विवरणपत्र संबंधित प्राधिकाऱ्याकडे सादर केले आहे काय ? होय / नाही, सादर केले असल्यास दिनांक)
(Whether Assets and Liability statement of previous year, submitted to concerned authority? - Yes / No, Date of submission, if submitted)

ठिकाण (Place)
दिनांक (Date)

अधिकाऱ्याची /कर्मचाऱ्याची स्वाक्षरी, नाव व पदनाम
Signature, Name and Designation of officer/ employee

पृष्ठ २२ पैकी १७

भाग ३ (Section ३)

प्रतिवेदन अधिकाऱ्याने लिहावयाचा मूल्यमापन अहवाल

Performance Appraisal Report prepared by reporting officer

१. भाग २ मध्ये नमूद करण्यात आलेल्या स्वयंमूल्यनिर्धारण अहवालाशी आपण सहमत आहात काय? नसल्यास, वस्तुस्थितीदर्शक अभिप्राय द्यावेत. (Whether you agree with self-assessment recorded in part two? If not, then state factual position)

२. प्रतिवेदन कालावधित पार पाडलेल्या महत्त्वपूर्ण व उल्लेखनीय कामांसंदर्भात आपले स्पष्ट अभिप्राय दयावेत. (Offer your remarks on important and noteworthy works mentioned in self-assessment report)

३. प्रतिवेदित अधिकारी/कर्मचारी यांचे त्यांच्या कामाच्या संदर्भात लक्षणीय अपयश निदर्शनास आले असल्यास वस्तुस्थितीदर्शक अभिप्राय द्यावेत. (Has the officer/employee reported upon met with significant failures in respect of his work ? If yes, please furnish factual details)

४. संबंधित अधिकाऱ्यानी /कर्मचाऱ्यानी कार्यक्षमता वाढविण्याकरीता आवश्यक असलेल्या प्रशिक्षणाचे क्षेत्रास सहमत आहात काय ? (Do you agree with the skill up-gradation needs as identified by the officer?)

पृष्ठ २२ पैकी १८

५. **अधिकारी/कर्मचारी यांची कार्यपूर्तता, कार्यक्षमता व वैयक्तिक गुणवैशिष्टये याबाबतचे गुणांकन.** (Gradation on works completed, efficiency and personal attributes by officers/ employees) {१-१० **या मर्यादेत गुणांकन देण्यात यावे.**}

अ (कार्यपूर्तता (Work completion) (weightage ४० %)

अ.क्र. Sr.No.	**मुद्दे** Points	**प्रतिवेदन अधिकारी** Reporting Officer	**पुनर्विलोकन अधिकारी** (Review Officer)	**पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी** (Signature of Review Officer)
१	उद्दिष्टांनुसार नेमून दिलेल्या कार्याची पूर्तता (Accomplishment of planned work)			
२	केलेल्या कामाचा दर्जा (Quality of Output)			
३	केलेली उल्लेखनीय/ वैशिष्टयेपूर्ण कामे (Accomplishment of exceptional work /unforeseen tasks performed)			
	कार्यपूर्तता या घटकाचे सरासरी गुणांकन (Average gradation on Work completion)			

ब (वैयक्तिक गुणवैशिष्टये (Personal attributes) (weightage ३० %)

अ.क्र. Sr.No.	**मुद्दे** Items	**प्रतिवेदन अधिकारी** Reporting Officer	**पुनर्विलोकन अधिकारी** (Review Officer)	**पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी** (Signature of Review Officer)
१	कामाबाबतचा दृष्टीकोन (Attitude to work)			
२	जबाबदारीची जाणीव (Sense of responsibility)			
३	सर्वसाधारण वर्तणूक व व्यक्तिमत्व (Overall bearing and Personality)			
४	भावनिक संतुलन (Emotional stability)			
५	संवाद कौशल्य (Communication Skills)			

पृष्ठ २२ पैकी १९

६	विहीत कालमर्यादेत काम करण्याची क्षमता (Capacity to work in time limit)			
	वैयक्तिक गुणवैशिष्टये या घटकाचे सरासरी गुणांकन (Average gradation on Personal Attributes)			

क) कार्यक्षमता (Efficiency) (weightage **३० %**)

अ.क्र. Sr.No.	**मुद्दे** (items)	**प्रतिवेदन अधिकारी** Reporting Officer	**पुनर्विलोकन अधिकारी** (Review Officer)	**पुनर्विलोकन अधिकाऱ्यांची स्वाक्षरी** (Signature of Review Officer)
१	संबंधित कायदे, नियम व प्रचलित कार्यपद्धती, माहिती तंत्रज्ञान आणि संबंधित क्षेत्रातील स्थानिक पद्धती याबाबतचे ज्ञान (Knowledge of relevant Acts/ Rules/procedures/IT Skill and awareness of local norms in the relevant area)			
२	कौशल्यपूर्ण नियोजनाची क्षमता (Strategic planning ability)			
३	स्वत: निर्णय घेऊन काम करण्याची क्षमता (Decision making ability)			
४	उपक्रमशीलता (Initiative)			
५	आपल्या कामांशी संबंध येणाऱ्या इतर शासकीय यंत्रणेशी समन्वय साधण्याची क्षमता (Ability to co-ordinate with other government agencies in relation to work.)			
	कार्यक्षमता या घटकाचे सरासरी गुणांकन (Average gradation on Work efficiency)			

५. संबंधित अधिकारी/कर्मचाऱ्याच्या सचोटी व चारित्र्याबाबत आपले स्वयंस्पष्ट अभिप्राय दयावेत (प्रतिकूल अभिप्राय असल्यास सोबत त्याबाबतची उदाहरणे नमूद करावीत) (Offer your remarks on character and integrity (if remarks are negative, then mention instances)

६. अधिकारी/कर्मचारी यांचे एकंदरीत मूल्यमापन (जास्तीत जास्त १०० शब्द) (Overall Assessment of officer/employee (Maximum १०० words)
यामध्ये संबंधित अधिकाऱ्याची बलस्थाने, उणीवा आणि दिव्यांग व्यक्ती, महिला व मागासवर्गीयांबाबतचा दृष्टीकोन यांचा समावेश असावा. (Include Strengths and lesser strengths and his attitude towards disabled persons, women and Backward classes)

७. प्रकृतीमान (State of Health)
(उत्कृष्ट/चांगले/चागले नाही) (Very good/Good/Not Good)

८. एकंदरीत गुणांकन (Overall Gradation)

ठिकाण (Place)
दिनांक (Date)

प्रतिवेदन अधिकाऱ्याची सही, नाव व पदनाम
Signature, Name & Designation of Reporting Officer

पृष्ठ २२ पैकी २१

भाग -४ (Section ४)

पुनर्विलोकन (Review)

पुनर्विलोकन अधिकाऱ्याचे अभिप्राय (Remarks of Reviewing Officer)

१. आपण प्रतिवेदन अधिकाऱ्याने, संबंधित अधिकारी/कर्मचाऱ्याच्या कार्यपूर्तता, कार्यक्षमता, वैयक्तिक गुणवैशिष्टये यासंबंधाने भाग ३ मधील मुद्दांच्या सहाय्याने केलेल्या मूल्यनिर्धारणाशी सहमत आहात काय? (Do you agree with assessment of Reporting Officer on work done, efficiency, personal attributes in part 3 of concerned officer/ employee?)

होय (Yes)	नाही (No)

२. सहमत नसल्यास, तपशिल व कारणे द्यावीत (In case of difference of opinion details and reasons for the same may be given)

३. अधिकारी/कर्मचाऱ्याचे एकंदरीत मूल्यमापन (जास्तीत जास्त १०० शब्द) (Overall Assessment of officer/employee (Maximum १०० words)

यामध्ये संबंधित अधिकारी/कर्मचाऱ्याची बलस्थाने, उणीवा आणि दिव्यांग व्यक्ती, महिला व मागासवर्गीयांबाबतचा दृष्टीकोन यांचा समावेश असावा. (Include Strengths and lesser strengths and his attitude towards disabled persons, women and Backward classes)

४. **एकंदरीत गुणांकन** (Overall Gradation) -
{१-१० **या मर्यादेत गुणांकन देण्यात यावे.**}

ठिकाण (Place) -

दिनांक (Date) -

पुनर्विलोकन अधिकाऱ्याची सही, नाव व पदनाम
Signature, Name & Designation of Reviewing Officer

गोपनीय अहवालाची छायांकित प्रत समक्ष मिळाली, संबंधित अधिकारी/कर्मचारी यांचे नाव व दिनांकित स्वाक्षरी	गोपनीय अहवालाची छायांकित प्रत संबंधित अधिकारी/कर्मचारी यांना डाकेने पाठविल्यास पत्र क्र. - दिनांक - संस्करण अधिकारी यांचे नाव, पदनाम व स्वाक्षरी

Maharashtra Government resolution no.CFR1218/Pra.Kra.8/13 Dated 05/03/2018.

B. Its implementation and effectiveness (15)

Table 5.6.2 : Schedule for Implementation

Activity	Task	Date of Completion
Formulation	Issue of Self-Appraisal form	31 March
	Completion and submission to Reporting Officer	15 April
	Authentication and evaluation by Reporting officer	30 April
Notification	Remark of Review Officer	15 may
	Inform Confidential Report to individual staff/faculty	30 June
Implementation	Monitoring compliance by reporting officer	During academic Year

Implementation of the system provided by Government of Maharashtra is done as per suggested guidelines.

- Appraisal forms are distributed to faculty.
- Faculty fills self-appraisal and submits it to Head of the Department (Reporting Officer).
- Based on observations pertaining to responsibilities as listed and handled by faculty, general behavior of faculty, style of work etc. Head of the department (Reporting Officer) puts his observations in the form of grades
- Head of the department then forwards it to the Head of the institution (Reviewing officer).
- Again Head of the institution puts his remarks and may alter the grades, if feels necessary, assigned by Head of the Department (Reporting Officer) with his/her own observations about particular faculty.

Its effectiveness:

Once the appraisal form if filled by faculty the reporting officer evaluate the faculty based on the evaluation criteria given in Annexure-A and a copy of performance appraisal report is given to the faculty/employee as per directive of GR.

C. Details of qualification up-gradation of faculty (10)

All rules regarding service, promotion and qualification up gradation are applicable as per Government of Maharashtra resolutions. Government of Maharashtra has adopted AICTE pay scales and qualification from time to time. Rules regarding qualification up gradation are also in line with AICTE recommendations. Government of Maharashtra had implemented sixth pay from August 2010 and was effective from 1st January 2006 and recently adopted seventh pay from 11thSeptember 2019 and made effective from 1stJanuary 2016 and for service condition from 11thSeptember 2019.

All India Council for Technical Education revised the pay structure of teachers and other academic staff in Diploma level technical Institutions as per the 7thpay commission recommendation Letter of Government of India, MHRD to AICTE Letter No-1-37/2016/TS II Dated 23rdJanuary,2019.

AICTE also communicated to State Government vide notification of All India Council for Technical Education Notification F. No. 61-1/RIFD/7th CPC/2016-17,dated 1stMarch 2019to take appropriate action to implement the recommendations contained in the notification dated 1St march 2019 issued by AICTE. The scheme announced by the All India Council for Technical Education is applicable to all

Diploma level Technical institutions imparting technical education and such other courses/programs approved by AICTE and areas as notified by AICTE from time to time.

The schemes announced by All India Council for Technical Education for the Revision of Pay Scales, Minimum Qualifications for the appointment, Career Advancement Schemes, Terms and Conditions of Teachers and other academic staff such as Library and equivalent cadre in Diploma Level Technical Education as per AICTE Scheme (7th Pay Commission) are considered by Government of Maharashtra for application to Dr. BabasahebAmbedkar Technological University, Lonere, all Government and Non- Government aided diploma level technical institutions imparting technical education and such other courses/programs approved by AICTE and areas as notified by AICTE from time to time.

After considering all the aspects of the scheme and approval of State Cabinet, the State Government has implemented revised Pay Scales, Minimum Qualifications for the appointment, Terms and Conditions of Teachers and other academic staff which are briefed as follows: -

Applicability –

The revised pay scales together with conditions mentioned in this Government Resolution shall apply to all Teachers and other academic staff in MSBTE affiliated/Autonomous Government, Non-Government/University departments Aided Engineering and Technology/Architectural/Pharmacy/HMCT Diploma Level Technical institutions imparting technical education and such other courses / programs approved by AICTE and areas as notified by AICTE from time to time.

Date of Effect-

a) Pay Scales and DA: The revised pay-scales shall be effective from 01-01-2016

b) Other Allowances: The rate of other allowances shall be at par with the State Government employees.

Effective date of application of Service Conditions is from the date of resolution.

Revised Designations and Mode of Appointments-

There shall be only three designations in respect of teachers in the diploma level institutes/polytechnics namely Lecturer, Head of the Department and Principal as given below in Table 5.2. Also there shall be no change in the present designations in respect of Library and Physical Education personnel at various levels.

Table 5.6.3: Cadre Structure and Mode of Appointment

Sr No.	Designation of Teaching Faculty	Entry Pay (Rs.)	Level	Mode of Appointment
1	Lecturer	56,100	9A	Direct Recruitment
2	Lecturer	57,700	10	Promotion/ Direct Recruitment
3	Lecturer (Senior Scale)	68,900	11	Promotion
4	Lecturer (Selection Grade – I)	79,800	12	Promotion
5	Lecturer (Selection Grade – II)	131,400	13A1	Promotion
6	Head of the Department (HOD)	131,400	13A1	Direct Recruitment
7	Principal	131,400	13A1	Promotion/Direct Recruitment

Continuation of service after appointment for every employee in teaching cadre is subjected to satisfactory completion of probation period of two years. As suggested by AICTE pay scales and service rules, there are provisions for upward advancement in career path for Lecturer from Lecturer to Sr. Lecturer and Sr. Lecturer to Selection Grade Lecturer and so on, subject to fulfillment of conditions. Rules are equally applicable to the teaching staff of all polytechnic institutes owned by Government of Maharashtra Service books are maintained as per Government of Maharashtra rules.

The details regarding probation completion and CAS implementation from 2016 onwards pertaining to Electronics and Communication Engineering Department are listed in following table 5.3.

Table 5.6.4: Probation completion

Sr No.	Name of Faculty	Designation	Probation	Remark
1.	Mr. N S Jadhao	Lecturer Computer Engineering	Exempted	Service continued
2.	Mr. G K Manganale	Lecturer Computer Engineering	Completed	Service continued
3.	Mr. P L Satore	Lecturer Computer Engineering	Completed	Service continued
4.	Mrs P P Deshapande	Lecturer in Information Technology	Completed	Service continued
5.	Mr. M S Limje	Lecturer in Information Technology	Exempted	Service continued
6.	Ms. P S Patil	Lecturer in Information Technology	Completed	Service continued

Table 5.6.5: Faculty Qualification Up-gradation

Sr No.	Name of Faculty	Designation	Up gradation of PG/Ph.D	University	Date of Admission	Date of completion
1.	Mr. N S Jadhao	Lecturer Computer Engineering	M.E. (Computer Science & Engineering)	SGBAU, AMARAVATI, 2022	July, 2018	August, 2022
2.	Mr. G K Manganale	Lecturer Computer Engineering	Ph.D	Sunrise University, Alwar, Rajasthan	05/04/2023	Continue Pursuing
3.	Mr. P L Satore	Lecturer Computer Engineering	M.E. (Computer Science & Engineering)	SRTMU, NANDED, 2020	July 2017	February, 2020
4.	Mrs P P Deshapande	Lecturer in Information Technology	Ph.D	Sunrise University, Alwar, Rajasthan	05/04/2023	Continue Pursuing
5.	Ms. P S Patil	Lecturer in Information Technology	M.E. (Computer Science & Engineering)	SGBAU, AMARAVATI, 2021	July, 2018	September, 2021

CRITERION 6	Facilities and Technical Support	100

6.1 Availability of adequate, well equipped class rooms to meet the curriculum requirements. (10)

Department has adequate and well equipped class rooms to meet the requirements of curriculum. The details of class rooms are presented in following Table 6.1

Table 6.1: Classroom details

Room Number	Location	Seating Capacity	Area in Square Metre	Facilities Available
C1 (First Year)	**Administrative Building Ground Floor**	**72**	**113.12**	**Blackboard, LCD Projector, Screen, LAPTOP, Desk and benches, fans, tube lights.**
C2 (Second Year)	**Administrative Building First Floor**	**72**	**96**	
C3 (Third Year)	**Administrative Building First Floor**	**72**	**96**	

Available resources are used effectively through proper time table management. Three class rooms are sufficient to impart theoretical part of curriculum and for conduction of tutorials.

6.2 Availability of adequate, well equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements. (40)

A. Adequacy (10)

There are eight laboratories in the department. Laboratory work load is adjusted in such a way that laboratory is available for each course having practicals and at a time only one batch of students enters in laboratory. Every class is divided in two to three batches depending on class strength. Normal batch size is 22. Each batch is then divided into smaller groups. Students perform practical's in groups. The details of laboratories are presented in following Table 6.2.

Table 6.2 : Laboratory details

Sr. No.	Name of Laboratory	No. of Students per setup (Batch Size)	Area in Square meter	Location	Facilities available
01.	Operating System Laboratory (1001)	4-5 (20-22)	73.72	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
02.	Computer Network –I Laboratory (1002)	4-5 (20-22)	60.24	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
03.	Computer Network –II Laboratory (1003)	4-5 (20-22)	60.24	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
04.	Web Development and Project Laboratory (1004)	4-5 (20-22)	47.28	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
05.	Programming - I Laboratory (1005)	4-5 (20-22)	60.24	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
06.	Programming - II Laboratory (1006)	4-5 (20-22)	60.24	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.
07.	CET Cell Laboratory)	4-5 (20-22)	192.48	First floor, Administrative building	Computers for conduct of practicals, Parts of Computer, Chairs, Working tables, Fans, Tubelights, Charts.
08	Language Laboratory	4-5 (20-22)	120.48	Ground floor, Administrative building.	Computers for conduct of practicals, Chairs, Working tables, Fans, Tubelights, Charts.

B. Quality of Labs/Workshop (20)

- Department has eight laboratories adequate to satisfy curriculum need.
- Adequate all equipment's required for conduct of practical's are available and are in working condition.
  With revision in curriculum efforts are going on to improve the laboratory facilities as per I-scheme curriculum.
- Obsolete removal/ addition of new equipment is carried out regularly.
- Self-learning facilitation center.
- Internet facility in all laboratories and for all staff.

- Networking facility for all PCs in the institute.
- Latest Computer's/software's are available.
- Power backup is available.
- Within the working hours all laboratories are open to the students to carry out the project work with necessary technical support.
- Laboratory slots are provided for courses as per curriculum requirement.

Details of Laboratories along with technical manpower support are provided in next section.

C. Technical Manpower support – Eligible and Adequate (10)

Table 6.4

Sr. No.	Name of Laboratory	No. of Students per setup (Batch Size)	Name of Important equipment (costing more than Rs. 40,000)	Weekly Utilization status (all the course for which the lab is utilized)	Technical Manpower support		
					Name of Technical Staff	Designation	Qualification
01.	Operating System Laboratory (1001)	4-5 (20-22)	Computer-22	30 Hrs	Miss. P. S. Patil Mr. S M Mahavalkar	Lecturer Instructor	M.E. Diploma in comp.Engg
02.	Computer Network –I Laboratory (1002)	4-5 (20-22)	Computer-22	30 Hrs	Mr. P. L. Satore Mr. S M Mahavalkar	Lecturer Instructor	M.E. Diploma in comp.Engg
03.	Computer Network –II Laboratory (1003)	4-5 (20-22)	Computer-22	30 Hrs	Mr. P. L. Satore Mr. S M Mahavalkar	Lecturer Instructor	M.E. Diploma in comp.Engg
04.	Web Development and Project Laboratory (1004)	4-5 (20-22)	Computer-22	30 Hrs	Mrs. P. P. Deshpande Mr. R.S. Swami	Lecturer Instructor	M.E. Diploma in comp.Engg
05.	Programming - I Laboratory (1005)	4-5 (20-22)	Computer-22	30 Hrs	Mr. M. S. Limje Mr. R.S. Swami	Lecturer Instructor	B.E. Diploma in comp.Engg
06.	Programming - II Laboratory (1006)	4-5 (20-22)	Computer-22	30 Hrs	Mr. N S Jadhao Mr. R.S. Swami	Lecturer Instructor	M.E. Diploma in comp.Engg
07.	CET Cell Laboratory	4-5 (20-22)	Computer-10	30 Hrs	Mr. P L Satore Mr Ranvir	Lecturer Instructor	M.E.
08.	Language Laboratory	4-5 (20-22)	Computer-22	30 Hrs	Mr. A N Yadav Mr D M Pasare	Lecturer Instructor	M.A. English HSC MCVC

6.3 Additional facilities created for improving the quality of learning experience in laboratories.

A. Facilities (10)
B. Effective Utilization (05)
C. Relevance to POs/PSO (05)

List of additional facilities created for improving the quality of learning experience in the department with respect to its details, reason for creation, utilization, expected areas of enhanced learning and relevance to POs and PSOs is presented below in Table 6.5

Table 6.5: Additional facilities created for enhanced learning experience.

Sr.no	Facility name	Details	Reason(s) for creating facility	Utilization	Area in which students are expected to have enhanced learning	Relevance POs/ PSOs
01	Departmental Library	Various Reference Books.	To give additional inputs to gain more knowledge.	Issue book to a student for specific period.	All Courses	PO1,PO3,PO7
02	PC maintenance and support to Other Programs	PC maintenance	To facilitate repair and maintenance mechanism of the PC in the institute	All students and staff members of institute	All courses	PO3
03	Departmental digital library	Various Courses	For better Learning Experience from the Expert Faculties from different IIT and PPTs and videos from department faculties.	Students can copy the video lectures, PPTs and books for enhanced learning.	Conceptual learning, knowledge gaining in technical area.	PO1,PO4,PO6,PO7,PSO1
04	Internet / WIFI facility	BSNL 300 Mbps Fiber Optic Connection	To enhance the existing knowledge and to upgrade the knowledge level	Every student has access to WIFI network campus wide. Every PC has Wired LAN connection.	All Courses	PO1,PO2, PO3,PO4,PO5,PO6, PO7, PSO1,PSO2.
05	Online Exam Center	80 PC are connected in LAN	To conduct online exams of Courses JPR , MAN ,EVS, Basic Science – Physics & Chemistry, ETI ETM	All online exams for the institute is conducted in IT dept Training and placement cell's online exams are conducted in IT dept	Gives exposure to face online exams	PO4, PSO1,PSO2
06	Pictorial/ Graphics/ Charts	Graphical representation of different parts of PC	To use visual teaching aid for understanding of ideas.	Charts gives clear idea of physical parts of PC and Graphical representation of ideas	CHM SEN	PO1,PO7

07	**Lab Networking**	**Networking in Hardware Lab and OS lab is done by Staff member.**	**To give real time experience of networking to students**	**All students and faculties can use**	**All courses**	**PO1, PO3, PO4, PO7, PSO1**
08	**Institute Website**	**http://gphingoli.in/**	**To display the information about institute on internet this can be available 24*7 easily.**	**All the stakeholders of the institutes**	**All courses**	**PSO1**
09	**Virtual Lab**	**For the course PIC and DSU**	**To provide remote-access to simulation-based Lab**	**Any students**	**PIC and DCO**	**PO1, PO3, PO4, PO7, PSO1**
10	**Easy Class**	**For the course OS**	**To provide course materials online, manage class discussions, give assignments, quizzes and exams**	**For the final year students**	**OS**	**PO1, PO4, PO7, PSO1**
11	**OBS studio**	**For the course DCO**	**It record our video, connect to any live streaming or video conferencing platform**	**For second year students**	**DCO**	**PO1, PO4, PO7**

6.4 Laboratories: Maintenance and overall ambiance (10)

- Laboratories are well furnished.
- Good ambience is maintained.
- All laboratories are having proper ventilation.
- Staff/Laboratory in-charge seating arrangement is in laboratory.
- Curtains are provided to windows in laboratories.
- Cupboards are used as storage for safety of equipment's.
- Department Vision, Mission, PEOs and POs are displayed in each laboratory.
- List of practical's and timetable are displayed in every laboratory.
- Utilization register is maintained in the laboratory.
- DSR is maintained.
- Maintenance of equipment is carried out.
- Laboratories are under CCTV surveillance.
- The instructions with respect to dos and don'ts are displayed for students understanding.
- Proper seating arrangement is provided in all laboratories for students to sit and complete their manual related activities.
- Safety measures are undertaken and students are warned about the same to prevent accidents in laboratories.
- In Chemistry lab, students are advised to take the help of lab assistant while dealing with the strong acids. The laboratories are provided with proper storage cupboards.
- Each lab is provided with a black/white board to enable laboratory teaching.
- The relevant charts, list of major equipment's, list of practical's and timetable are displayed.
- Obsolete removal/ addition of new equipment is carried out periodically.

6.5 Availability of computing facility in the department (10)

No. of Computer Terminal	Student Computer Ratio	Details of Legal software	Details of Networking	Details of printers, Scanners etc.
110	**2:1**	**UBUNTU, Windows-11 etc. Open Source software such as Php, turbo c etc.**	**All Computers are in Network**	**LaserJet Printers - 4 Nos. Scanjet Scanner – 1No.**

6.6 Language Lab (10)

(Availability and Utilization)

Language lab of 22 computer terminals is available at institute level and is managed by department of Humanities and science and is utilized as per curriculum need for students of all programs.

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (25)

Program outcomes are evaluated in criterion 3 and gaps calculated in target level attainment of POs and PSOs. To close the loop, actions need to be proposed based on achieved and target PO and PSO attainment. PO and PSO are assumed to be **achieved if 70% target level is reached**. With observation it is found that target levels for all POs and PSOs are satisfied. For improvement in program outcomes following actions are proposed for Current Academic Year 2021-22 and are being implemented.

A. Documentary evidence of POs and PSOs attainment levels (10)

2020-2023

POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
Target Level	1.82	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74
Attainment Level	1.27	1.14	1.10	0.96	0.93	0.90	1.02	1.14	1.07

B. Gaps identified/shortfalls/improvement from continuous improvement perspective (5)

C. Plan of action to bridge the gap and its Implementation (10)

POs Attainment Levels and Actions for improvement - (2020-2023):

POs	Target Level	Attainment Level	Observations
PO1: Basic and Discipline specific knowledge			
PO1	**1.82**	**1.27**	**70% of attainment is achieved. Target achieved.** Computer Engineering curriculum requires the foundation of theoretical and practical knowledge of science and mathematics, which the students concepts with application. Practical curriculum must include problems which focus on how & where to apply discipline knowledge. Students performed well in Basic Science, Basic Mathematics EGE.
Action1: Tutorials based on real application inclusion of simulation software in teaching learning process. **Action 2:** Students are encouraged to focus on basic discipline specific problems and think of possible approaches/solutions to these problems.			
PO2: Problem Analysis			
PO2	**1.59**	**1.14**	**72 % of attainment is achieved. Target achieved.** More emphasis on paper presentations, quiz competitions, expert lecture and industrial visits. Students are encouraged to use standard methods for solving the problems. Physical conduction of practical is expected to support analysing of engineering problems,
Action1: Faculties are instructed to increase participation of students in various curricular and extracurricular activities.			

Action 2: Set higher target level for next year.			
PO3: Design Development of solutions			
PO3	**1.51**	**1.10**	**73% of attainment is achieved. Target achieved.** Design solution for well-defined technical problems one needs appropriate planning and more practical oriented approach towards system process than focusing on basic programming languages like C, C++. However it is observed that the students lack the skills of interpretation of the process.
Action1: Students are asked to refer technical magazines, newsletters and recent updates to get exposed to real life problem, and set solution. **Action 2:** More number of workshops on recent technology needs to be arranged.			
PO4: **Engineering tools, Experimentation and Testing**			
PO4	**1.54**	**0.96**	**62 % attainment is achieved. Target not achieved.** For computer engineering problem one needs to work with modern tools appropriate planning and more practical oriented approach to develop end specification It is observed that student's performance in EEC, AMI, BEC.PWP, MAD need improvement. Using emerging tools for programming strengthen students to perform well practically. Gap is due to lack of performance in laboratories due to Covid.
.**Action1:** To give more exposure to modern software, CEP programs are conducted by the department. **Action 2:** Looking into technology advancements, Staff and students are encouraged to take new technology based projects.			
PO5: Engineering practices for society, sustainability and environment			
PO5	**1.46**	**0.93**	**64 % of attainment is achieved. Target not achieved.** The courses of computer engineering are addressing the needs of social concerns regarding engineering practices in real life with ease. We are active in social activities like tree plantation, awareness rallies, blood donation camps are arranged in institute. It is observed that student's performance in Operating System and Advanced Java Programming need improvement. . Gap is due to lack of performance in laboratories due to Covid.
Action1: The project are selected on the basis of industry, environment and of social concern. **Action2:** More number of workshops on recent technology needs to be arranged.			
PO6 Project Management			
PO6	**1.60**	**0.90**	**56 % of attainment is achieved. Target not achieved.** The communication, presentation and report writing skills are to be further improved among the students. Micro project is given to build. As the students are from different cultural, social and financial backgrounds, they are reluctant to different abilities or leader.

			It is observed that student's performance in BEC, MIC need improvement. . Gap is due to lack of performance in laboratories due to Covid
Action1: Institute has initiated different activities which provide platform for students to work individually, as well as in group to manage projects and effectively communicate. **Action2:** Students are motivated to do extra - curricular activities like cultural programs, I.S.T.E programs, participation in project competition, exhibition etc.			
PO7: Life-long learning			
PO7	**1.60**	**1.02**	**64 % of attainment is achieved. Target not achieved.** The computer engineering problem one needs updating the skills to survive in globally changing technological needs to meet requirement of future and the resource for contempory issues and lifelong learning. Gap is due to students find difficulty in implementing management skills.
Action1: In every course micro - project are given to every student for updating of engineering and technological changes. **Action2:** Students are motivated to gain life - long learning by collecting knowledge about engineering technology used in the industries, through the industrial visit and industrial training and report writing is made compulsory in various courses like Industrial Training, Seminar, Project etc**.**			

PSOs Attainment Levels and Actions for improvement:

PSOs	Target Level	Attainment Level	Observations
PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.			
PSO1	**1.71**	**1.14**	**67 % of attainment is achieved.** **Target not achieved.** The computer engineering students needs strong fundamental skill of programming logic which help them to achieve higher level skills and update the knowledge required.
Action1: We have encouraged student to participate in programming quiz competition. **Action2**: The tutorial is arranged for student to learn basic needed for computer system.			
PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.			
PSO2	**1.74**	**1.07**	**61 % of attainment is achieved.** **Target not achieved.** The student who prepare for employability, they should have strong foundation of algorithm, network architecture, modelling of software system.
Action1: Student is encouraged to participate in workshop on different technologies. **Action2**: Hands on for computer engineering maintenance.			

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (25)

Program outcomes are evaluated in criterion 3 and gaps calculated in target level attainment of POs and PSOs. To close the loop, actions need to be proposed based on achieved and target PO and PSO attainment. PO and PSO are assumed to be **achieved if 65% target level is reached**. With observation it is found that target levels for all POs and PSOs are satisfied. For improvement in program outcomes following actions are proposed for Current Academic Year 2021-22 and are being implemented.

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A. Documentary evidence of POs and PSOs attainment levels (10)

POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
Target Level	1.78	1.59	1.52	1.54	1.46	1.60	1.62	1.72	1.76
Attainment Level	1.20	1.02	1.05	0.95	1.09	0.79	1.00	1.13	1.00

B. Gaps identified/shortfalls/improvement from continuous improvement perspective (5)

C. Plan of action to bridge the gap and its Implementation (10)

POs Attainment Levels and Actions for improvement - (2021-2024):

POs	Target Level	Attainment Level	Observations
PO1: Basic and Discipline specific knowledge			
PO1	**1.78**	**1.20**	**67% of attainment is achieved. Target is achieved.** Computer Engineering curriculum requires the foundation of theoretical and practical knowledge of science and mathematics, which the students concepts with application. Practical curriculum must include problems which focus on how & where to apply discipline knowledge.
Action1: Tutorials based on real application inclusion of simulation software in teaching learning process. **Action 2:** Students are encouraged to focus on basic discipline specific problems and think of possible approaches/solutions to these problems.			
PO2: Problem Analysis			
PO2	**1.59**	**1.02**	**64% of attainment is achieved. Target not achieved.** More emphasis on paper presentations, quiz competitions, expert lecture and industrial visits. Students are encouraged to use standard methods for solving the problems
. **Action1:** Faculties are instructed to increase participation of students in various curricular and extra-curricular activities. **Action 2:** Set higher target level for next year.			
PO3: Design Development of solutions			
PO3	**1.52**	**1.05**	**69 % of attainment is achieved. Target achieved.** Design solution for well-defined technical problems one needs appropriate planning and more practical oriented approach towards system process than focusing on basic programming languages like C, C++. However it is observed that the

			students lack the skills of interpretation of the process.
Action1: Students are asked to refer technical magazines, newsletters and recent updates to get exposed to real life problem, and set solution. **Action 2:** More number of workshops on recent technology need to be arranged.			
PO4: **Engineering tools, Experimentation and Testing**			
PO4	**1.54**	**0.95**	**62% attainment is achieved. Target not achieved.** For computer engineering problem one needs to work with modern tools appropriate planning and more practical oriented approach to develop end specification.
Action1: To give more exposure to modern software, CEP programs are conducted by the department. **Action 2:** Looking into technology advancements, Staff and students are encouraged to take new technology based projects.			
PO5: Engineering practices for society, sustainability and environment			
PO5	**1.46**	**1.09**	**75% of attainment is achieved. Target achieved.** The courses of computer engineering are addressing the needs of social concerns regarding engineering practices in real life with ease. We are active in social activities like tree plantation, awareness rallies, blood donation camps are arranged in institute.
Action1: The project are selected on the basis of industry, environment and of social concern. **Action2:** Set higher target level for next year.			
PO6 Project Management			
PO6	**1.60**	**0.79**	**49 % of attainment is achieved. Target not achieved.** The communication, presentation and report writing skills are to be further improved among the students. Micro project is given to build. As the students are from different cultural, social and financial backgrounds, they are reluctant to different abilities or leadership. Students faced difficulties in implementing management approach and decision making in different situation of project management.
Action1: Institute has initiated different activities which provide platform for students to work individually, as well as in group to manage projects and effectively communicate. **Action2:** Students are motivated to do extra - curricular activities like cultural programs, I.S.T.E programs, participation in project competition, exhibition etc.			
PO7: Life-long learning			
PO7	**1.62**	**1.00**	**62 % of attainment is achieved. Target not achieved.** The computer engineering problem one needs updating the skills to survive in globally changing technological needs to meet requirement of future and the resource for contempory issues and lifelong learning.
Action1: In every course micro - project are given to every student for updating of engineering and technological changes. **Action2:** Students are motivated to gain life - long learning by collecting knowledge about engineering technology used in the industries, through the industrial visit and industrial training and			

report writing is made compulsory in various courses like Industrial Training, Seminar, Project etc**.**

PSOs Attainment Levels and Actions for improvement:

PSOs	Target Level	Attainment Level	Observations
PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.			
PSO1	**1.72**	**1.13**	**66 % of attainment is achieved.** **Target achieved.** The computer engineering students needs strong fundamental skill of programming logic which help them to achieve higher level skills and update the knowledge required.
Action1: We have encouraged student to participate in programming quiz competition. **Action2**: The tutorial is arranged for student to learn basic needed for computer system.			
PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.			
PSO2	**1.76**	**1.00**	**57% of attainment is achieved.** **Target not achieved.** The student who prepare for employability, they should have strong foundation of algorithm, network architecture, modelling of software system.
Action1: Student is encouraged to participate in workshop on different technologies. **Action2**: Hands on for computer engineering maintenance.			

2022 – 2025

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (25)

A. Program outcomes are evaluated in criterion 3 and gaps calculated in target level attainment of POs and PSOs. To close the loop, actions need to be proposed based on achieved and target PO and PSO attainment. PO and PSO are assumed to be **achieved if 70% target level is reached**. With observation it is found that target levels for all POs and PSOs are satisfied. For improvement in program outcomes following actions are proposed for Current Academic Year 2021-22 and are being implemented.

B. Documentary evidence of POs and PSOs attainment levels (10)

POs & PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
Target Level	1.77	1.59	1.51	1.54	1.46	1.60	1.60	1.71	1.74
Attainment Level	1.33	1.27	1.19	1.08	1.16	0.96	1.15	1.31	1.23

C. Gaps identified/shortfalls/improvement from continuous improvement perspective (5)

D. Plan of action to bridge the gap and its Implementation (10)

POs Attainment Levels and Actions for improvement - (2022-2025):

POs	Target Level	Attainment Level	Observations
PO1: Basic and Discipline specific knowledge			
PO1	**1.77**	**1.33**	**75% of attainment is achieved. Target is achieved.** Computer Engineering curriculum requires the foundation of theoretical and practical knowledge of science and mathematics, which the students concepts with application. Practical curriculum must include problems which focus on how & where to apply discipline knowledge.
Action1: Tutorials based on real application inclusion of simulation software in teaching learning process. **Action 2:** Students are encouraged to focus on basic discipline specific problems and think of possible approaches/solutions to these problems.			
PO2: Problem Analysis			
PO2	**1.59**	**1.27**	**80% of attainment is achieved. Target is achieved.** More emphasis on paper presentations, quiz competitions, expert lecture and industrial visits. Students are encouraged to use standard methods for solving the problems. Assignments were given to analyse different scenarios while solving the problems.
Action1: Faculties are instructed to increase participation of students in various curricular and extracurricular activities. **Action 2:** Set higher target level for next year.			
PO3: Design Development of solutions			
PO3	**1.51**	**1.19**	**79% of attainment is achieved. Target is achieved.** Design solution for well-defined technical problems one needs appropriate planning and more practical oriented approach towards system process than focusing on basic programming languages like C, C++. However it is observed that the students lack the skills of interpretation of the process.
Action1: Students are asked to refer technical magazines, newsletters and recent updates to get exposed to real life problem, and set solution. **Action 2:** More number of workshops on recent technology need to be arranged.			
PO4: **Engineering tools, Experimentation and Testing**			
PO4	**1.54**	**1.08**	**70% attainment is achieved. Target is achieved.** For computer engineering problem one needs to work with modern tools appropriate planning and more practical oriented approach to develop end specification.
Action1: To give more exposure to modern software, CEP programs are conducted by the department. **Action 2:** Looking into technology advancements, Staff and students are encouraged to take new technology based projects.			
PO5: Engineering practices for society, sustainability and environment			
PO5	**1.46**	**1.16**	**79% of attainment is achieved. Target is achieved.** The courses of computer engineering are addressing the needs of social concerns regarding engineering practices in real life with ease. We are active in social activities like tree plantation,

			awareness rallies, blood donation camps are arranged in institute.
Action1: The project are selected on the basis of industry, environment and of social concern. **Action2:** Set higher target level for next year.			
PO6 Project Management			
PO6	**1.60**	**0.96**	**60 % of attainment is achieved. Target is not achieved.** The communication, presentation and report writing skills are to be further improved among the students. Micro project is given to build. As the students are from different cultural, social and financial backgrounds, they are reluctant to different abilities or leadership. Students faced difficulties in implementing management approach and decision making in different situation of project management.
Action1: Institute has initiated different activities which provide platform for students to work individually, as well as in group to manage projects and effectively communicate. **Action2:** Students are motivated to do extra - curricular activities like cultural programs, I.S.T.E programs, participation in project competition, exhibition etc.			
PO7: Life-long learning			
PO7	**1.60**	**1.15**	**72 % of attainment is achieved. Target is achieved.** The computer engineering problem one needs updating the skills to survive in globally changing technological needs to meet requirement of future and the resource for contempory issues and lifelong learning.
Action1: In every course micro - project are given to every student for updating of engineering and technological changes. **Action2:** Students are motivated to gain life - long learning by collecting knowledge about engineering technology used in the industries, through the industrial visit and industrial training and report writing is made compulsory in various courses like Industrial Training, Seminar, Project etc**.**			

PSOs Attainment Levels and Actions for improvement:

PSOs	Target Level	Attainment Level	Observations
PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.			
PSO 1	**1.71**	**1.31**	**64% of attainment is achieved. Target is not achieved.** The computer engineering students needs strong fundamental skill of programming logic which help them to achieve higher level skills and update the knowledge required.
Action1: We have encouraged student to participate in programming quiz competition. **Action2**: The tutorial is arranged for student to learn basic needed for computer system.			
PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.			
PSO2	**1.74**	**1.23**	**62% of attainment is achieved.** **Target is not achieved.** The student who prepare for employability, they should have strong foundation of algorithm, network architecture, modelling of software system.

Action1: Student is encouraged to participate in workshop on different technologies.
Action2: Hands on for computer engineering maintenance.

7.2 Improvement in Success Index of Students without the backlog (10)

Items	LYG (2022-23)	LYG m1 (2021-22)	LYG (2020-21)#	LYG m3 (2019-20)	LYG m4 (2018-19)
Success Index (from Criteria 4.2.1)	0.167	0.213	0.273	0.394	0.6
Average Success Index (from Criteria 4.2.1)	0.218	0.294	0.423	–	–
Success Rate (from Criteria 4.2.1)	8.72	11.76	16.92	-	-

7.3 Improvement in Placement and Higher Studies (10)

Items	LYG (2022-23)	LYG m1 (2021-22)	LYG m2 (2020-21)#	LYG m3 (2019-20)	LYG m4 (2018-19)
Placement Index (from Criteria 4.6)	1.00	1.00	1.00	-	-

CAY(2023-2024)			
S.No	Name of the Industry	No. of students placed	Salary offered / month
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	25	12000/-

Placement: number, quality placement, core industry, pay packages etc.

CAY(2023-2024)				
S.No	Name of the student	Enrollment Number	Nature &Name of	Salary package offered (Lakhs/Annum)

			Company	
1.	Soham Sachin Kotalwar	2111630110	Dhoot Transmission Pvt Ltd Chhatrapati Sambhaji Nagar	1.4 lakhs/ Annum
2.	Nikita Nanarao Jadhao	2111630116		
3.	Tanvi Lavhande	2111630117		
4.	Gayatri N Umrikar	2111630113		
5.	Anjali Limbajirao Pakale	2111630125		
6.	Komal Ramesh Mule	2111630135		
7.	Akshay Mohan Maske	2111630160		
8.	Vivek Prashant Rathod	2111630162		
9.	Rohit Devidas Pawade	2111630161		
10.	Shreya Sunil Bhoyalkar	2211630276		
11.	Shinde Ajit Uttam	2211630273		
12.	Rutuja Rajendra Sawale	2211630139		
13.	Munjaji Bapurao Sawant			
14.	Ganesh Raosaheb Londe	2211630274		
15.	Pranav P. Kanakpure			
16.	Yogeshwari Mutyalu	2211630278		
17.	Arjun Tukaram Raut	2211630280		
18.	Chakradhar R Padole	2211630283		
19.	Rushikesh G Bhutkar	2111630123		
20.	Vedanti Raju Ingale	2111630107		
21.	Pooja Ramrao Rathod	2211630281		
22.	Yash Pradeep Deshpande	2111630124		
23.	Lokesh Santosh Kale	2111630126		
24.	Payal Vishnu Jadhav	2111630155		
25.	Kapil Dinesh Hokarne	2011630012		
TOTAL NO OF STUDENTS PLACED				**25**

CAYm1(2022-2023)			
S.No	**Name of the Industry**	**No. of students placed**	**Salary offered / month**
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	34	12000/-
2	Varroc Pvt. Ltd. Chh. Sambhaji nagar	15	12000/-
3	Wipro India Pvt. Ltd Bengaluru, Karnataka	1	12000/-

CAYm1(2022-2023)

S.No	Name of the student	Register Number	Nature &Name of Company	Salary package offered (Lakhs/Annum)
1.	Vaishnavi Shriram Nevhal	2111635306	Dhoot Transmission Pvt Ltd Chhatrapati Sambhaji Nagar	1.4 lakhs/ Annum
2.	Ritika Sunil Dayama	2111630033		
3.	Renuka Bhaskarrao Shinde	2011630038		
4.	Priyanka Gautam Kamble	2111630040		
5.	Anandrao Laxmanrao Kshirsagar	201630036		
6.	Komal Gopinath Jadhav	2011630035		
7.	Shriom Dhirajlal Jaiswal	2011630032		
8.	Sumit Pandharinath Kaware	2011630031		
9.	Harshada Harishkumar Kalyankar	2011630023		
10.	Dattatrya Balaji Raut	2011630018		
11.	Swati Subhash Narwade	2011630015		
12.	Shridhar Dattatrya Borule	2011630010		
13.	Shrusti Shashikant Kaulwar	2011630011		
14.	Nisha Vasant Chaugule	2011630009		
15.	Babita Devidas Narwade	2011630008		
16.	Pranav Adesh Panchwatkar	2011630004		
17.	Sadik Dilkhush Korabu	1911630028		
18.	Vaishnavi Rangnath Shinde			
19.	Payal Ramesh Dhule	2111630053		
20.	Sumit Mallikarjun Narwade	2111630005		
21.	Devrao Laxman Gaikwad	2011630042		
22.	Ashish Ghaneshyam Sarda	2111630028		
23.	Omkar Mallikarjun Ghopchade			
24.	Munja Arjun Sakhare	2011630046		
25.	Yash Sanjay Pawar	2011630041		
26	Ashtavinayak Panjabrao Lekule	2111630024		
27	Rushikesh Nagorao Wakode	2011630063		
28	Sahil Sunil Sahu	2111630229		
TOTAL NO OF STUDENTS PLACED				**28**

CAY m2(2021-2022)			
S.No	**Name of the Industry**	**No. of students placed**	**Salary offered / month**
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	26	12000/-

7.4 Improvement in Academic Performance in Final Year (10)

S.No	Name of the student	Register Number	Nature &Name of Company	Salary package offered (Lakhs/Annum)
1.	Pooja Ashok Zare	2011630166	Dhoot Transmission Pvt Ltd Chhatrapati Sambhaji Nagar	1.4 Lakhs / Annum
2.	Ankita Shirfule	1911630040		
3.	Nisha Anand Sharma	1911630044		
4.	Neha Yargatwar	1911630037		
5.	Gayatri Dilip Pawar	2011630156		
6.	Anjali Gautam	1911630012		
7.	Nikita Sinha	1911630013		
8.	Pooja Kadam	1911630006		
9.	Kiran Bhokare	1911630045		
10.	Shraddha Panadwar	1911630031		
11.	Neha Yadav	2011630165		
12.	Abhishek V Rakshale	1911630038		
13.	Maharudra Khetre	1911630020		
14.	Prathamesh Malode	2011630151		
15.	Niranjan Shelke	1911630036		
16.	Omkar Dahale	1911630048		
17.	Santosh Ganesh Khandagale	1911630035		
18.	Farid Shaikh	2011630160		
19.	Mopkar Rutuja Vishnu	2011630153		
20.	Karan Patange	1911630015		
21.	Shantanu Bedarkar	1911630027		
22.	Nagesh Kadam	2011630145		
23.	Akash S Kale	2011630146		
24.	Dnyaneshwar Sadhal	2011630159		
25.	Sachin Rathod	2011630158		
26.	Ravishankar Wakode	1911630046		
TOTAL NO OF STUDENTS PLACED				**26**

Items	LYG (2022-23)	LYG m1 (2021-22)	LYG m2 (2020-21)#	LYG m3 (2019-20)	LYG m4 (2018-19)

Academic Performance Index (from Criteria 4.5)	**7.299**	**7.35**	**4.031**	**5.659**	**7.575**
Average Academic Performance Index	**6.227**	**5.68**	**5.755**	**–**	**–**

7.5 Internal Academic Audits to review complete academics & to implement corrective actions on continuous basis (10)

Items	CAY (2024-25)	CAY m1 (2023-24)	CAYm2 - LYG (2022-23)	CAYm3/LYG m1 (2021-22)	LYG m2 (2020-21)#
Internal Academic Audits	**NA due to Excellent in 2023-24**	**Remark:** ➢ Highly qualified & experienced faculties ➢ Curriculum coverage is up to the mark ➢ Lack of documentation ➢ Industrial visits not organised **Corrective action:** ➢ Updation in documentation ➢ Industrial visits are organised **Result:** **EAMC Remark Excellent**	**NA due to EAMC Remark Excellent**	**Remark:** ➢ Highly qualified & experienced faculties ➢ All labs are well equipped with AC facilities. ➢ Less no of regular faculties ➢ Lack of latest configuration computer systems **Corrective action:** ➢ Improvement in regular faculties by administrative transfer ➢ Proposed for 50 latest configuaration computer systems **Result:** **EAMC Remark Excellent**	**NA due to Covid**

7.6. New Facility created in the program (10)

Sr. No.	Name of new Facility	Year
1	➢ **Upgradation of Learning Environment** ➢ **Magazine** ➢ **Reorganization of laboratories and creation of laboratory wise DSRs** ➢ **Improvement in classroom aesthetics and environment**	**2020-21**
2	➢ **Magazine** ➢ **Renovation and decoration of classrooms** ➢ **Upgradation of Learning Environment in Communication Lab** ➢ **Corridor colouring and decoration** ➢ **Medical care centre.**	**2021-22**

3	➢ **Self- learning Facilitation Centre,** ➢ **CCTV facility** ➢ **Wi-Fi facility for student** ➢ **Magazine** ➢ **Renovation of Computer Lab** ➢ **Open gym facility.**	**2022-23**
4	➢ **Upgradation of Learning Environment** ➢ **Improvement in classroom aesthetics and environment** ➢ **Magazine**	**2023-24**
5	➢ **Magazine** ➢ **Corridor, classroom and laboratories Colouring** ➢ **Development of CET Cell with advance computer configuaration**	**2024-25**

8.1 Mentoring system to help at individual level (10)

The mentoring system to help students at individual level begins with the process of online admission. DTE Mumbai along with MSBTE Mumbai have implement initiative has positively responded by student which results into attainment of 100 % admission in our institute from last five years.

School connect program involves every faculty by making their taluka-wise teams to guide the students regarding the importance of technical education in hostels etc. by visiting directly to the schools assigned to them.

The other measures to help students at individual's level includes following.

1. Allotment of Class Teachers (Class Teacher knows the difficulty of students through Class Representative of that class)
2. Expert lecture, technical events, Industrial visits etc. are arranged at the departmental level.
3. Career Guidance and counselling along with campus interviews are part of mentoring system to help students at individual level.
4. For girl students, women's grievance cell is placed to help needy students at individual level.
5. For overall development of student's gymkhana activities, IDESSA and mandatory industrial training for fifth semester students are part of mentoring system to help students at individual level.

School connect order

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, MIDC , सिरळा, हिंगोली ४३१५१३

दूरध्वनी क्र.(०२४५४)२४८०४१-२४०९, ई-मेल-principal.ghingoli@dtemaharashtra.gov.in वेबसाईट: www.ghingoli.in

जा.क्र.शातंनिहिं/आस्था-१/स्कूल कनेक्ट/२०२३/१६०४ दि. 6 DEC 2023

कार्यालयीन आदेश,

संदर्भ जा.क्र./विकासक्षे/शिक्षण/२०२३/३९३१ दि.२५.११.२०२३

संस्थेतील सर्वच्या सर्व जागा भरण्याचे उद्दिष्ये पूर्ण करण्यासाठी हिंगोली जिल्ह्यातील शाळामध्ये दि. ६/१२/२०२३ ते १०/०१/२०२४ या कालावधीत स्कूल कनेक्ट उपक्रम राबविण्यात येत आहे. सदर उपक्रमाच्या प्रभावी अंमलबजावणीसाठी खालीलप्रमाणे तालुकानिहाय, तालुका सक्षम अधिकारी म्हणून काम पहावे

अ. क्र.	संकेतांक	तालुका	अधिकारी यांचे नाव	कामाचे स्वरुप
०१	स्कूल कनेक्ट व्यवस्थापन समिती		श्री बी पी देवसरकर नोडल अधिकारी स्कूल कनेक्ट श्री एम बी नवरखेले स्कूल कनेक्ट प्रभारी	स्कूल कनेक्ट व्यवस्थापन
०२	SCT-01	हिंगोली शहर	श्रीमती पी. पी. देशपांडे	तालुकानिहाय शाळांना भेटीचे नियोजन करने त्यासाठी INO च्या सहयाने प्रत्यक्ष शाळांना भेटी देवून माहिती संकलित करने व जतन करुन ठेवणे
०३	SCT-02	हिंगोली ग्रामीण	श्री डी डी लबडे	
०४	SCT-03	औंढा शहर व तालुका	श्री एन एस जाधव	
०५	SCT-04	कळमनुरी शहर	डॉ जे एस शेख	
०६	SCT-05	कळमनुरी ग्रामीण (आखाडा बाळापूर)	श्री पी एम सातोरे	
०७	SCT-06	वसमत शहर	श्री ई ई तडवीपठाण	
०८	SCT-07	वसमत ग्रामीण	श्री जी के मंगनाळे	
०९	SCT-08	सेनगाव	श्री जी व्ही वानखडे	

तरी सर्व तालुका नोडल अधिकारी यांनी त्यांच्या नावासमोर दर्शविलेल्या तालुक्यातील सर्व शाळांना भेटीचे नियोजन करने त्यासाठी INO च्या सहयाने प्रत्यक्ष शाळांना भेटी देवून माहिती संकलित करने व जतन करुन ठेवणे व रोजचे कामाचा अहवाल गूगल शीट मध्ये नोंदविने

प्राचार्य

शासकीय तंत्रनिकेतन, हिंगोली

School connect EO letter

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जाक्र/जिपहि/शिविमा/कावि/ ३०५१ /२०२३ दिनांक :- 11 /१२/२०२३

प्रति,
प्राचार्य/मुख्याध्यापक,
माध्यमिक शाळा व कनिष्ठ महाविद्यालय,
जिल्हा हिंगोली.

विषय :- शासकीय तंत्रनिकेतन,हिंगोली,म.रा.त.शि.मंडळ मुंबई व तंत्रशिक्षण संचलनालय मुंबई याच्या माध्यमातून तंत्रशिक्षण संचलनालय मुंबई यांच्या माध्यमातून तंत्रशिक्षणा बाबत माहिती व मार्गदर्शन या करिता School Connect कार्यक्रम आयोजित करणे बाबत.

संदर्भ :- १.मा.सहसंचालक,म.राज्य तंत्र शिक्षण मंडळ,विभागीय कार्यालय,छत्रपती संभाजीनगर यांचे पत्र क्र. विकाछसं/शिक्षण/२०२३/३९३१ दि.२५.११.२०२३.
२.शासकीय तंत्रनिकेतन,हिंगोली या कार्यालयाचे पत्र क्र.शातनिहिं/आस्था-१/School Connect/२०२३/१८४८ दिनांक ०७/१२/२०२३ चा प्रस्ताव.

उपरोक्त विषयी संदर्भिय पत्रान्वये आपणास कळविण्यात येते की, शासकीय तंत्रनिकेतन,म.रा.त.शि.मंडळ मुंबई व तंत्रशिक्षण संचलनालय,मुंबई यांच्या माध्यमातून तंत्रशिक्षणा बाबत माहिती व मार्गदर्शन या करिता School Connect कार्यक्रम आपल्या माध्यमिक शाळेमध्ये तथा कनिष्ठ महाविद्यालयामध्ये Online/Offline पध्दतीने करावयाचे आहे.त्या अनुषंगाने आपण सदर कार्यक्रम आयोजन करावे व या करिता शासकीय तंत्रनिकेतन हिंगोली या संस्थेस या कार्यक्रमाच्या यशस्वी आयोजनासाठी आवश्यक ते सहकार्य करावे.

शासकीय तंत्रनिकेतन हिंगोली ही संस्था जिल्हयातील सर्व प्रमुख शाळांमध्ये Online/Offline पध्दतीने तंत्रशिक्षणाचे महत्व,तंत्रशिक्षणाचे महत्व,तंत्रशिक्षणातील संधी व व्यापकता तसेच तंत्रशिक्षण पदविका प्रवेश प्रक्रिया नियमावली व केंद्रीय प्रवेश प्रक्रियेची संपुर्ण माहिती २०२४-२०२५ या करिता मार्गदर्शनपर कार्यक्रम दि.०८/१२/२०२३ ते १५/०१/२०२३ या कालावधीमध्ये घेणार आहेत.तरी सदर कार्यक्रमासाठी आपल्या शाळा/कनिष्ठ महाविद्यालयातील विद्यार्थ्यांचे नाव,मोबाईल नंबर आणि ईमेल आय.डी.उपलब्ध करुन शासकीय तंत्रनिकेतन,हिंगोली संस्थेस सहकार्य करावे आणि या उपक्रमाचे Online/Offline पध्दतीने यशस्वी आयोजन करुन विद्यार्थी व पालक यांच्या पर्यंत उपक्रम पोहचवावा व केलेल्या कार्यवाहीचा अहवाल या कार्यालयास सादर करावा.

(भास्कर स.सालगर)
शिक्षणाधिकारी (मा.),
जिल्हा परिषद,हिंगोली.

प्रतिलिपी :
प्राचार्य,शासकीय तंत्रनिकेतन,हिंगोली यांना माहितीस्तव.

School connect Order (last 2 years' summary)

Government Polytechnic, Hingoli

School Connect Program 2022

Statistics

Team members	Team code	Assigned Territory	No. of schools visited	Total uploaded on portal
Dr B B Kapoor, Mrs M R Sheikh, Ms P S Patil	SCT 01	Hingoli - Urban	20	1679
A T Adhave, P L Satore, Mrs V K Patil	SCT 02	Hingoli - Rural	24	1198
M B Nawarkhele, Saddam C F, Y N Shivarkar	SCT 03	Aundha Nagnath	20	1320
Z A Khan, Mrs Prachi Deshpande, J V Wankhade	SCT 04	Kalamnuri - Urban	17	698
M S Limje, Dr J S Shaikh, P H Gutte	SCT 05	Kalamnuri - Rural	13	950
A G Rathod, Pravin Mali, M L Samleti, A P Kedar	SCT 06	Basmath - Urban	13	1751
E E Tadvipathan, N S Jadhav, Mrs N S Deshmukh	SCT 07	Basmath - Rural	23	1039
Mrs S S Jayde, G K Mangnale, V D Raut	SCT 08	Sengaon	29	1617
Grand Total			159	10252

Government Polytechnic, Hingoli

School Connect Program 2023-24

Team members	Team code	Assigned Territory	No. of schools visited	Total uploaded on portal
Dr B B Kapoor, Mrs M R Sheikh, Mrs P P Deshpande	SCT 01	Hingoli - Urban	17	1461
A T Adhave, M L Samleti, Ms P S Patil	SCT 02	Hingoli - Rural	23	1059
M B Nawarkhele, Saddam C F	SCT 03	Aundha Nagnath	09	376
J V Wankhade, Mrs V K Patil	SCT 04	Kalamnuri - Urban	13	532
P B mali, Dr J S Shaikh	SCT 05	Kalamnuri - Rural	22	1136
A G Rathod, A P Kedar	SCT 06	Basmath - Urban	16	1506
E E Tadvipathan, G K mangnale	SCT 07	Basmath - Rural	18	818
Mrs S S Jayde, N S jadhao	SCT 08	Sengaon	31	1334
Grand Total			149	8222

School connect Order (relevant letter from MSBTE/DTE)

महाराष्ट्र राज्य तंत्र शिक्षण मंडळ

(स्वायत्त) (ISO ९००१:२०१५) (ISO/IEC २७००१:२०१३)

शासकीय तंत्रनिकेतन इमारत, ४ था मजला, ४९, खेरवाडी, वांद्रे (पूर्व), मुंबई – ४०० ०५१

दू.क्र.: ०२२-६२५४२१००/२५१/२६०

संकेतस्थळ : www.msbte.org.in ई-मेल : director@msbte.com

जा.क्र. मराशिमं/का-५२/स्कुल कनेक्ट/२०२२/ 03 दिनांक : - 4 JAN 2022

महत्वाचे परिपत्रक

प्रति,
उपसचिव,
महाराष्ट्र राज्य तंत्र शिक्षण मंडळ,
विभागीय कार्यालय,
मुंबई, पुणे,नागपुर व औरंगाबाद.

विषय - शैक्षणिक वर्ष २०२२-२३ करीता पदविका अभ्यासक्रमांच्या प्रवेशात वाढ होण्याच्या अनुषंगाने विविध उपक्रमाद्वारे प्रसिद्धी करणेबाबत.

संदर्भ - १) मा. संचालक, तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य यांचे पत्र क्रं .१०/एनगोपी/प्रवेश-२०२२-२३/ ९५३ दि.१७/१२/२०२१

२) मंडळाचे पत्र क्रं. जा.क्र. मराशिमं/का-५०/स्कुल कनेक्ट/२०२१-२२/८४६२ दि. २०/१२/२०२१.

उपरोक्त विषयाच्या अनुषंगाने संदर्भाकीत पत्र क्रं १ अन्वये शैक्षणिक वर्ष २०२२-२३ करीता मा. संचालक, तंत्रशिक्षण संचालनालय, मुंबई यांचेकडून पदविका प्रवेशाकरिता संभाव्य विद्यार्थी व त्यांचे पालक यांचे करीता स्कुल कनेक्ट (Online/Offline) यांचे आयोजन करुन जन जागृती करण्याचे निर्देश महाराष्ट्र राज्य तंत्र शिक्षण मंडळ व तंत्रशिक्षण संचालनालयाच्या विभागीय कार्यालयांना देण्यात आले होते. त्या अनुषंगाने संदर्भ क्रं २ अन्वये मंडळाने स्कुल कनेक्ट उपक्रम तंत्रशिक्षण संचालनालयाच्या संबंधित विभागीय सहसंचालकांच्या समन्वयाने राबविण्याबाबत निर्देशित करण्यात आलेले आहे.

तदनंतर सदर उपक्रम परिणामकारकरित्या राबवून विद्यार्थ्यांची अचूक माहिती मंडळाच्या संगणकीय प्रणालीमध्ये भरण्याच्या दृष्टीने दि. ०३/०१/२०२२ रोजी मंडळामार्फत सर्व सहसंचालक, विभागीय कार्यालये, तंत्रशिक्षण संचालनालय व मंडळातील संबंधित अधिकारी व उपसचिव, विभागीय कार्यालय, महाराष्ट्र राज्य तंत्र शिक्षण मंडळ यांची ऑनलाईन बैठक आयोजित करण्यात आली होती. सदर बैठकित स्कूल कनेक्ट प्रोग्राम राबविण्याकरीता तयार करण्यात आलेल्या प्रणाली बद्दलची संपूर्ण माहिती देण्यात आली होती. त्याच अनुषंगाने स्कुल कनेक्ट प्रोग्रामकरीता तयार करण्यात आलेले युजर मॅन्युअल (School connect- User Manual) सोबत जोडले आहे. सदर युजर मॅन्युअल (School connect- User Manual) मध्ये मोडल संस्था नेमणुक करण्यापासून ते विद्यार्थ्यांची माहिती सदर पोर्टलवर upload करण्यापर्यंतचे सर्व टप्पे सविस्तरपणे नमुद करण्यात आले आहेत.

स्कूल कनेक्ट प्रोग्राम सॉफ्टवेअरमध्ये शाळांची व विद्यार्थ्यांची अचूक माहिती भरण्याकरीता सोबत जोडलेल्या युजर मॅन्युअल (School connect- User Manual) चा उपयोग करावा. संस्थामार्फत करण्यात येणा-या कार्यवाहीचा आढावा नियमितपणे विभागीय स्तरावर घेण्यात यावा व सर्व संस्थाप्रमुखांना School connect अंतर्गत घेतलेल्या सर्व कार्यक्रमांमध्ये उपस्थित असलेल्या विद्यार्थ्यांची माहिती दररोज अपलोड करण्याबाबत निर्देश आपल्या स्तरावरुन देण्यात यावेत.

(डॉ. विनोद मोहितकर)
संचालक
म. रा. तंत्र शिक्षण मंडळ, मुंबई.

प्रत माहितीस्तव सादर:

- मा. संचालक, तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य ,मुंबई.

प्रत माहिती व कार्यवाहीकरीता:

- सह संचालक,तंत्रशिक्षण संचालनालय, विभागीय कार्यालय मुंबई, पुणे, औरंगाबाद,नाशिक,नागपूर व अमरावती.
- प्राचार्य, शासकीय व अनुदानित तंत्रनिकेतने.

Admission status over last 5 years:

Government Polytechnic, Hingoli **Consolidated Report of Admissions status** **First year Post SSC Diploma**					
2024-25	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	69	0	100%
	EJ	60	69	0	100%
	ME (Shift)	60	57	0	100%
	ME (Reg)	60	66	0	100%
	Total		**261**	0	**100%**
2023-24	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	68	0	100%
	EJ	60	69	0	100%
	ME (Shift)	60	68	0	100%
	ME (Reg)	60	65	0	100%
	Total		**270**	0	**100%**
2022-23	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	69	0	100%
	EJ	60	69	0	100%
	ME (Shift)	60	69	0	100%
	ME (Reg)	60	65	0	100%
	Total		**272**	0	**100%**
2021-22	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	68	0	100%
	EJ	60	64	0	100%
	ME (Shift)	60	65	0	100%
	ME (Reg)	60	32	28	54%
	Total		**229**	28	**89%**
2020-21	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	65	2	100
	EJ	60	26	38	43
	ME (Shift)	60	17	45	28
	ME (Reg)	60	34	28	57
	Total		**142**	113	**57%**
2019-20	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	46	14	77
	IT	60	14	46	23
	EJ	60	7	53	12
	ME (Shift)	60	15	45	25
	ME (Reg)	60	38	22	63
	Total		**120**	180	**40%**
2018-19	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	20	40	33
	IT	60	3	57	5
	EJ	60	3	57	5
	ME (Shift)	60	18	42	30
	ME (Reg)	60	33	27	55
	Total		**77**	223	**26%**
2017-18	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	32	28	53
	IT	60	8	52	13
	EJ	60	24	36	40
	ME (Shift)	60	47	13	78
	ME (Reg)	60	51	9	85
	Total		**162**	138	**54**
2016-17	Branch	Sanctioned Intake	**Total Admissions**	vacancy	% Admission
	CO	60	24	36	40
	IT	60	3	57	5
	EJ	60	24	36	40
	ME (Shift)	60	38	22	63
	ME (Reg)	60	54	6	90
	Total		**143**	157	**48**

Office orders of the women's grievance cell & Reserved category grievance cell

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, एम.आय.डी.सी, लिंबाळा, हिंगोली ४३१५१३

दुरध्वनी क्र. ०२४५६-२४८०४१/२४८०४२ ई मेल - principal.gphingoli@dtemaharashtra.gov.in वेबसाईट - www.gphingoli.in

डॉ.अशोक उपाध्याय, प्राचार्य [बी.ई.(सिव्हील इंजि.) एम.टेक,पी.एचडी.(आय.आय.टी.बी.एच.यु./ एम.एन.एन.आय.टी.ए.)] E - akluphd@gmail.com

जा.क्र.शातंनिहि/स्टेनो/ अंतर्गत तक्रार समिती /२०२१/ १०८० दि. ०२.११.२०२१

कार्यालयीन आदेश,

Ref: AICTE Regulation 2016 Section 4 (Gender Sensitization, Prevention and Prohibition of sexual harassment of Woman Employees and Students and Redressal of Grievances)

उपरोक्त संदर्भान्वये, खालीलप्रमाणे Online Grievance Redressal Committee/ Internal Complaint Committee पुढील आदेश निर्गमित होईपर्यंत गठीत करण्यात येत आहे.

अ.क्र.	अधिकाऱ्याचे नाव व पदनाम	समितीतील पद
०१	श्री. एफ बी तानूरकर उपप्राचार्य	अध्यक्ष
०२	श्री. ई ई तडवी पठाण विभागप्रमुख अणुविद्युत	सदस्य
०३	श्री. ए टी आढावे विभागप्रमुख मा. तंत्रज्ञान	सदस्य
०४	श्री. एन एस जाधव विभागप्रमुख संगणक	सदस्य
०५	श्री. ए जी राठोड विभाग नियंत्रक	सदस्य
०६	डॉ. बी बी कपूर अधि. रसायनशास्त्र	सदस्य

सदर समितीने एआयसीटीई नियम २०१६ खंड ४ अन्वये कार्यवाही करावी.

प्राचार्य,

प्रत: संबंधितांना अनुपालनार्थ.

SC/ST grievance committee order

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, MIDC लिंबाळा, हिंगोली ४३१५१३
दूरध्वनी क्र. ०२४५६-२४८०४२ ई-मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट: www.gphingoli.in

जा.क्र.शातंनिहि/आस्था/AICTE/२०२४/ 342 दि.१३/०२/२०२४

Office Order. [Establishment of Committee for SC/ ST]

As per the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989, No. 33 of 1989, dated 11.09.1989, the following SC/ST committee is constituted for the year 2024-25.

Sr. No	Name of Officer	Designation	Post in Committee
1	Mr. B. P. Deosarkar	Principal	Chair person
2	Mr. M. S. Chaudhari	Registrar	Member
3	Mr. P L Satore	Lecturer in CO	Member
4	Ku. P. S. Patil	Lecturer in CO	Member
5	Mr. V. D. Raut	Lecturer in EJ	Member
6	Mr. A. D. Bhise	Sr. Clerk	Member Office

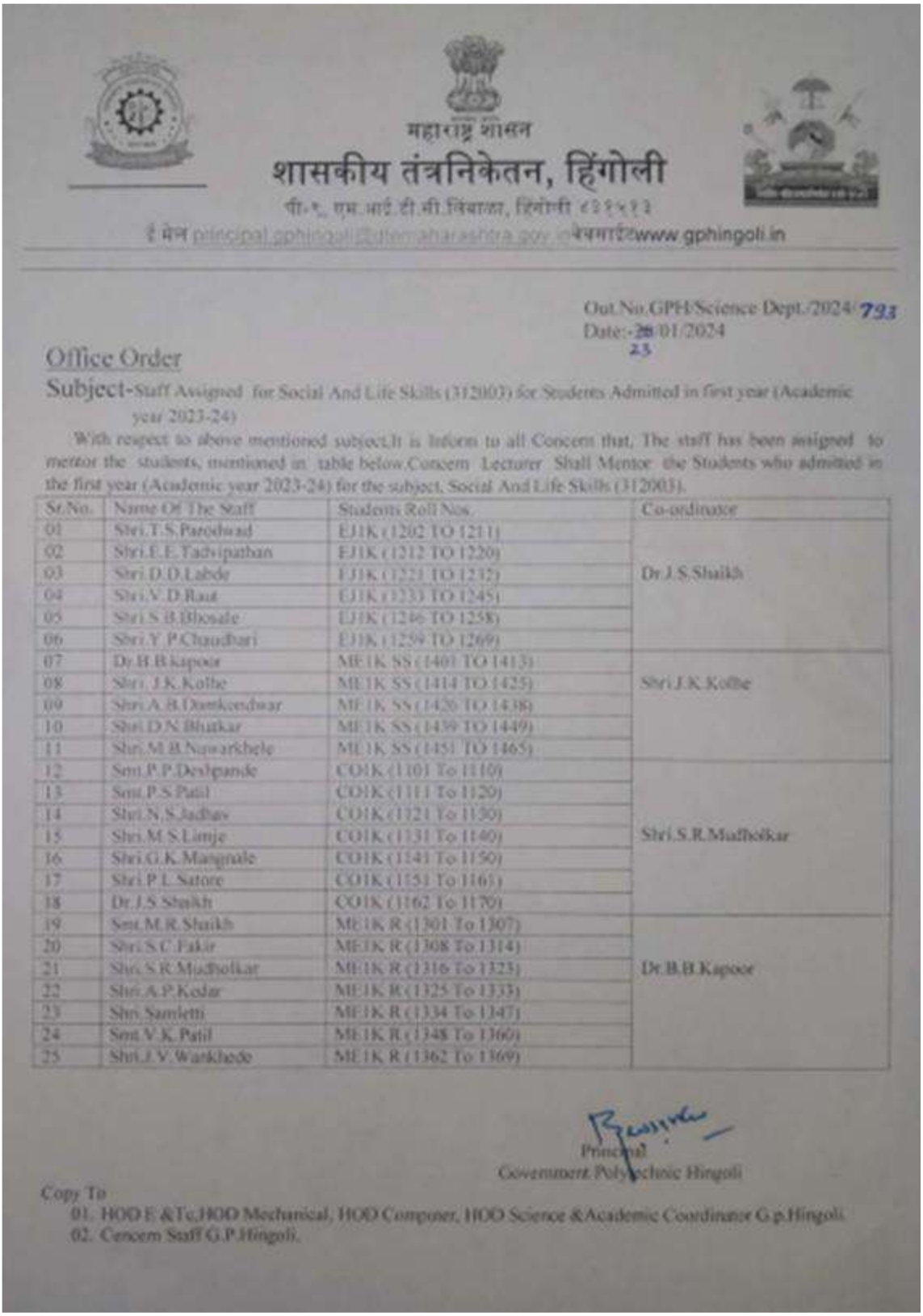
शासकीय तंत्रनिकेतन, हिंगोली

Principal
प्राचार्य,
शासकीय तंत्रनिकेतन, हिंगोली

Copy to:

1. All Hods and controller (CO/ME/EJ/Sci./Workshop/Office/Library
2. Institute website coordinator for N.A.
3. Concerned officer for necessary action.

Teacher student guardianship order



महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी.१, एम.आई.डी.सी.विभाग, हिंगोली ४३१५१३

ई मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईटwww.gphingoli.in

Out No.GPH/Science Dept./2024/733
Date:-29/01/2024
23

Office Order

Subject-Staff Assigned for Social And Life Skills (312003) for Students Admitted in first year (Academic year 2023-24)

With respect to above mentioned subject,It is Inform to all Concern that, The staff has been assigned to mentor the students, mentioned in table below.Concern Lecturer Shall Mentor the Students who admitted in the first year (Academic year 2023-24) for the subject, Social And Life Skills (312003).

Sr.No.	Name Of The Staff	Students Roll Nos.	Co-ordinator
01	Shri.T.S.Parodwad	EJ1K (1202 TO 1211)	Dr.J.S.Shaikh
02	Shri.F.E.Tadvipathan	EJ1K (1212 TO 1220)	
03	Shri.D.D.Labde	EJ1K (1221 TO 1232)	
04	Shri.V.D.Raut	EJ1K (1233 TO 1245)	
05	Shri.S.B.Bhosale	EJ1K (1246 TO 1258)	
06	Shri.Y.P.Chaudhari	EJ1K (1259 TO 1269)	
07	Dr.B.B.kapoor	ME1K SS (1401 TO 1413)	Shri.J.K.Kolhe
08	Shri. J.K.Kolhe	ME1K SS (1414 TO 1425)	
09	Shri.A.B.Damkondwar	ME1K SS (1426 TO 1438)	
10	Shri.D.N.Bhatkar	ME1K SS (1439 TO 1449)	
11	Shri.M.B.Nawarkhele	ME1K SS (1451 TO 1465)	
12	Smt.P.P.Deshpande	CO1K (1101 To 1110)	Shri.S.R.Madholkar
13	Smt.P.S.Patil	CO1K (1111 To 1120)	
14	Shri.N.S.Jadhav	CO1K (1121 To 1130)	
15	Shri.M.S.Limje	CO1K (1131 To 1140)	
16	Shri.G.K.Mangnale	CO1K (1141 To 1150)	
17	Shri.P.L.Satore	CO1K (1151 To 1161)	
18	Dr.J.S.Shaikh	CO1K (1162 To 1170)	
19	Smt.M.R.Shaikh	ME1K R (1301 To 1307)	Dr.B.B.Kapoor
20	Shri.S.C.Fakir	ME1K R (1308 To 1314)	
21	Shri.S.R.Madholkar	ME1K R (1316 To 1323)	
22	Shri.A.P.Kedar	ME1K R (1325 To 1333)	
23	Shri.Samletti	ME1K R (1334 To 1347)	
24	Smt.V.K.Patil	ME1K R (1348 To 1360)	
25	Shri.J.V.Wankhede	ME1K R (1362 To 1369)	

Principal
Government Polytechnic Hingoli

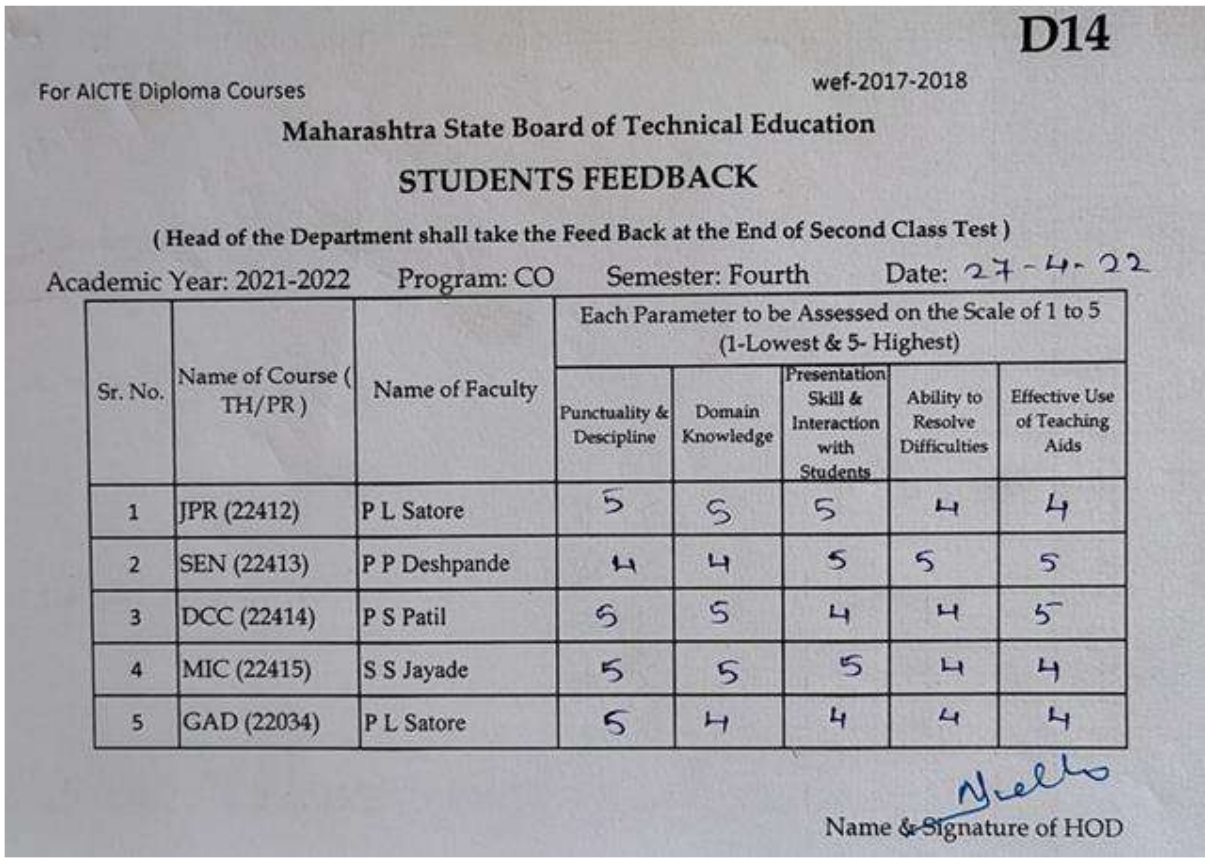
Copy To
01. HOD E &Tc,HOD Mechanical, HOD Computer, HOD Science &Academic Coordinator G.p.Hingoli.
02. Concern Staff G.P.Hingoli.

8.2 Feedback analysis and reward/ corrective measures taken, if any (10)

Feedback collected for all courses: YES/NO; Specify the feedback collection process; Average Percentage of students who participate; Specify the feedback analysis Indices used for measuring quality of teaching & learning and summary of the index values for all courses/teachers; Number of corrective actions taken.

A. Methodology being followed for feedback collection, analysis and its effectiveness (5)

Feedback is collected for all courses in a semester as per format provided by Maharashtra State Board of Technical Education (MSBTE), Mumbai on the following



D14

For AICTE Diploma Courses wef-2017-2018

Maharashtra State Board of Technical Education

STUDENTS FEEDBACK

(Head of the Department shall take the Feed Back at the End of Second Class Test)

Academic Year: 2021-2022 Program: CO Semester: Fourth Date: 27-4-22

Sr. No.	Name of Course (TH/PR)	Name of Faculty	Each Parameter to be Assessed on the Scale of 1 to 5 (1-Lowest & 5- Highest)				
			Punctuality & Discipline	Domain Knowledge	Presentation Skill & Interaction with Students	Ability to Resolve Difficulties	Effective Use of Teaching Aids
1	JPR (22412)	P L Satore	5	5	5	4	4
2	SEN (22413)	P P Deshpande	4	4	5	5	5
3	DCC (22414)	P S Patil	5	5	4	4	5
4	MIC (22415)	S S Jayade	5	5	5	4	4
5	GAD (22034)	P L Satore	5	4	4	4	4

Name & Signature of HOD

B. Record of corrective measures taken (5)

Feedback collection & Analysis process –

Feedback is taken once in a semester for all the courses. Feedback is collected from minimum 1/3rd of class strength. Overall performance of the teacher is analysed performance of the teacher is conveyed to every teacher. A teacher is encouraged for better performance and corrective measures are taken if the performance of the analysis is carried out for assessing the performance of the students and faculty as well. If the result is poor the course teacher is conveyed and asked the teacher to assignments etc.

8.3 Feedback on facilities (5)

A. Student feedback on facilities, analysis and corrective action taken (5)

Assessment is based on student feedback collection, analysis and corrective action(s) taken. For ex.

- Classroom ambience
- Computer/Internet facility
- Gymkhana Activities
- Library
- Office
- Student Section
- Drinking Water Facility
- Cleanliness of Campus
- Canteen Facility
- Co-operative store

Based on feedback analysis and suggestions for improvement following measures are taken.

Suggestions for improvement	Measures Undertaken
Internet facility	Establishment of server room in process for internet facility incampus.
Playground for Girls	Separate playground for girls is made available.
Washroom Cleanliness	Continuous efforts are being taken.
Drinking water facility	3 water coolers are being procured.
Co-operative store	Establishment of co-operative store is in process.

8.4 Career Guidance, Training, Placement (20)

Training & Placement Cell:

Institute has nominated one senior lecturer as Training and Placement Officer (TPO). Each department has a Training & Placement Coordinator who reports to TPO

Objectives:

To guide and practiced the students to meet the corporate expectation and place them in reputed companies based on the anticipated job profiles.

Training and Placement Cell is working in the institute which is headed by Training and Placement officer.

Functions:

Making liaison with the industry for campus interview and placement.

Arranging Campus Interviews and counselling students to appear in interview and join the industry.

Counselling or organizing expert lectures to inspire the students for self-employment.

The Department has assigned one faculty who looks after training and placement activity of students of the department. Different activities and initiatives taken by the department are,

- Aptitude test
- Group Discussion
- Personality development workshop
- Resume writing guidance
- In plant training for students

Placement Data of last 03 Years:

		CAY m2(2021-2022)	
S.No	**Name of the Industry**	**No. of students placed**	**Salary offered / month**
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	26	12000/-

CAYm1(2022-2023)			
S.No	**Name of the Industry**	**No. of students placed**	**Salary offered / month**
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	34	12000/-
2	Varroc Pvt. Ltd. Chh. Sambhaji nagar	15	12000/-
3	Wipro India Pvt. Ltd Bengaluru, Karnataka	1	12000/-

CAY(2023-2024)			
S.No	**Name of the Industry**	**No. of students placed**	**Salary offered / month**
1	Dhoot Transmission Pvt. Ltd, Chh. Sambhaji nagar	25	12000/-

Training and placement cell creates facility for career Guidance including counselling for higher studies, campus placement support, industry Interaction for trainingplacement data and activities carried out by this cell in last three years. Most of the students go for degree in engineering.

8.5 Entrepreneurship Cell/Technology Business Incubator (5)

The institute has established the Entrepreneurship Development Cell. The Cell intends to encourage, motivate and provide training for the students who wish to becyear students and encouraged them to think about this career option. This leads to make a mind of students to become entrepreneur.

Professionals/ experts from industries are invited to share their success stories and encourage them to be an entrepreneur.

9.1.1 State the Vision and Mission of the Institute (5)

Institute Marks 5.00

VISION OF INSTITUTE

"Transform human lives through quality technical education to achieve sustainable development."

MISSION OF INSTITUTE

M1: Continuous upgradation of infrastructure to fulfill technological needs.

M2: Build competent engineers through quality technical education and effective curriculum implementation.

M3: Foster industry-institute interaction for skill development in student as well as faculty.

M4: Develop leadership quality, supervisory skills, ethical values, patriotism and entrepreneurial attitude for enhancing employability.

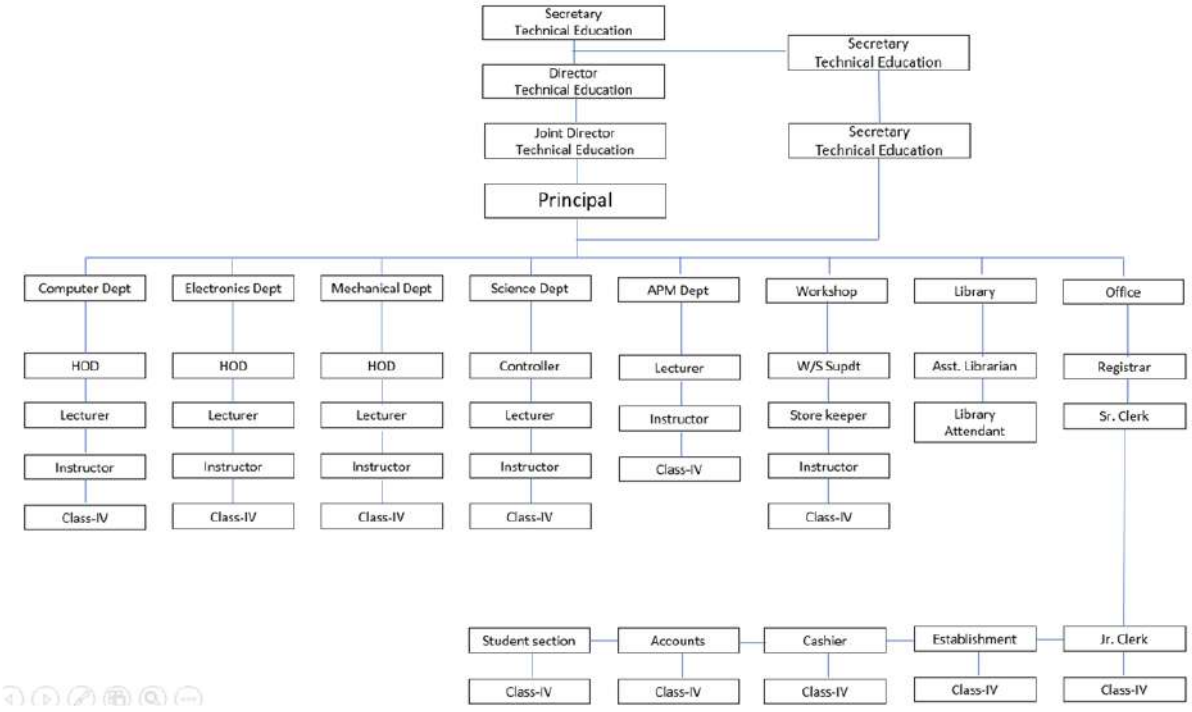
9.1.2 **Governing body, administrative setup, functions of various bodies, define rules procedures, recruitment and promotional policies (5)**

A. Governing Body

The institute is under administrative control of Directorate of Technical Education (DTE), Maharashtra State, and Mumbai and affiliated to MSBTE, Mumbai. However, DTE and RDTE are governing the activities of the institute. Also, this institute is approved by All India Counsel of Technical Education, New Delhi from which the rules, regulations and Norms for diploma education in engineering and technology are adopted.

B. Administrative Setup

The administrative setup of Government Polytechnic, Hingoli is as per following hierarchy shown in the figure.



C. Service Rules, Recruitment, Promotional Policies, Roles and Responsibilities of Staff

As Government Polytechnic, Hingoli is an institute of Government of Maharashtra. The details of above points are described in brief as,

1. Service Rules

Following set of service rules constituted by Government of Maharashtra and amended time to time are applicable to all the staff.

Maharashtra Civil Services (General Conditions of Services) Rules (1981).

Maharashtra Civil Services (Pay) Rules (1981).

Maharashtra Civil Services (Joining Time, Foreign Service and Payments during Suspension, Dismissal and Removal) Rules (1981).

Maharashtra Civil Services (Leave) Rules (1981).

Maharashtra Civil Services (Pension) Rules (1982).

Maharashtra Civil Services Honoraria, Fees, Compensatory local and House Rent Allowances) Rules (1981).

Maharashtra Civil Services (Occupation of Government Residences) Rules (1984).

Maharashtra Civil Services (Travelling Allowances) Rules (1984).

2. Recruitment Rules and Recruitment

In exercise of the powers conferred by the proviso to article 309 of the Constitution of India and in supersession of all the existing rules, orders or instruments made in this behalf, excepting the Government Resolutions (1) Higher and Technical Education and Employment Department No. PTI. 2089/(1516)/TE-2, dated 24th December1992 and Government Resolution, Higher and Technical Education Department No.Misci.2801/(245/05)/TE-2, dated 2nd June 2008, the Governor of Maharashtra framed following rules under the Directorate of Technical Education in the Higher and Technical Education Department of the Government, called- "The Principal, Government Polytechnic; Principal, Hotel Management and Catering Technology; Head of the Department in engineering disciplines or Workshop Superintendent (Head of the Department level) in Government Polytechnic; Head of the Department in Non- Engineering Disciplines; Head of the Department in Hotel Management and Catering Technology; Lecturer in various engineering disciplines or System Analysts or Workshop Superintendent (lecturer level) or Controller of Examinations in Government Polytechnic or Maharashtra State Board of Technical Education, Lecturer in Various Non-engineering disciplines; Lecturer in Hotel Management and Catering Technology in the Maharashtra Polytechnic Services in Group "A" under the Directorate of Technical Education in the Higher and Technical Education Department (Recruitment) Rules, 2008".

Recruitment of teaching staff mentioned in above paragraph is done by Maharashtra Public Service Commission (MPSC). It is a Constitutional Body established under article 315 of Constitution of India which provides a smooth and efficient functioning of the Government of Maharashtra (GoM) by providing suitable candidates for various posts.

3. Promotional Policies

The carrier Advancement Scheme of AICTE is applicable to teaching staff as per AICTE Notification F. No. 37-3/Legal/2010, dated 5th March, 2010 for diploma education of this institute. Higher &Technical Education Department of Government of Maharashtra issued a Government Resolution No. SPC- 2010/ (34/10)/TE-2 Mantralaya Annex, Mumbai – 400 032 Dated 20th August, 2010 and Government Resolution No.: CAS-2013/ (32/13)/TE-2, Mantralaya Annex, Mumbai- 400 032, dated 17th October, 2015 recently for implementation of CAS.

The government of Maharashtra has directed to implement its promotional policies recently as per GR dated 03/06/2022 with number MISC /1111/ 28/ 16/ TE-2.

4.Roles and Responsibilities

Principal

Principal. being a Head of polytechnic is answerable to the Director, Technical Education (and to Chairman of Governing body in case of autonomous institutes) for all academic, financial and administrative/personnel activities of the institute. He is responsible for academic, financial administrative, human resources management of the institute. He is admission authority for the institute to implement admission process as prescribed by state government, DTE time to time. He has to assess the curriculum implementation processes (including Planning, scheduling, coordinating and monitoring) pertaining to various departments & CEP activities of the institute and take corrective actions if necessary. Also he has to assess the requirements of the material, financial and human resources for effective institutional operations inclusive of academic & supporting operations.

In addition, following are the duties and responsibilities of the Principal:

Advising & facilitating the required resources for institute operations

Development and implementation of strategic plan for short term and long term development of the institute and sustainable quality improvement.

To lead the accreditation activities of institute for various quality standards

Plan & facilitate guidance & counseling and other students services at institute level

Maintaining support services, academic facilities

Responsible authority for financial controls, transactions, academic, personnel and security functions and to maintain necessary records financial, assets & academic records of the institute in stipulated formats.

To facilitate, plan & organize faculty and supporting staff development programs

Promoting interactions with all stake-holders {Industries, MSBTE, DTE, RO, RBTE, Apprenticeship board, AICTE/ NITTTRs etc.), facilitating students placements and students development programs

Provide motivation & guidance to faculty and other staff in the institute

Participate, motivate, guide and facilitate professional development through continuing education, training, testing, consultancy and industry sponsored projects, entrepreneurship development, research.

To act as a chief officer in charge for examinations

To facilitate industry interaction

To plan and implement the activities to take care of hygiene, safety and housekeeping in institute

Take teaching load prescribed as per the norms issued time to time by state government.

Evaluate the performance of the faculty and supporting staff Create, maintain and motivate cordial relations and team spirit in the institute & provide impartial & equal opportunities for contribution to faculty and staff.

Keep abreast of the newer knowledge, skills and technology through self-up-gradation and dissemination of knowledge through articles, books, journals and seminars etc.

Self-development through qualification improvement, enrichment, professional activities and interactions with bodies.

Participate in non-formal mode of education for benefit of society / Community.

Implementation of Right to information (RTI) in the institute.

To plan and implement the activities to take care of hygiene, safety and housekeeping in institute.

Up liftment of Institutions image in the society

The above mentioned job responsibilities are reviewed by Government from time to time.

B)Head of the Department

Head of Department is answerable to the Principal of the polytechnic for all academic and administrative/personnel activities of the department.

Academic and administrative management of the department

Assessing the requirements of the material, financial and human resources for effective implementation of prescribed curricula of program offered by the department.

Planning, scheduling, coordinating and monitoring the curriculum implementation pertaining to the department.

Responsible authority to perform academic, personnel and security functions and to maintain necessary records (like DSR) of the departmental assets in stipulated formats.

To act as facilitator for the departmental faculty in laboratory development, laboratory set- up, and laboratory maintenance.

Provide motivation & guidance to faculty and other staff in the department.

Participate, motivate, guide & facilitate professional development through continuing education, testing and consultancy & research.

Identify and organize faculty and supporting staff development programs.

To act as authority for coordinating and conducting examinations / test examinations.

Maintaining student’s attendance record submitted by lecturers and student’s evaluation record.

Development and implementation of short term and long-term plan for department development and quality improvement

Preparation of timetable and mobilization of teaching-learning resources.

Provide guidance & counseling and other students services at department level

Plan, organize and facilitate industry visits and expert lectures

To plan and implement the activities to take care of hygiene, safety and housekeeping in the department
Take teaching load prescribed as per the norms issued time to time by state government
Evaluate the performance of the faculty and supporting staff
Create, maintain and motivate cordial relations and team spirit in the team working under him/her & provide impartial opportunities for contribution to faculty & staff.
Promote, guide, facilitate and participate in professional activities through interaction with industries, consultancy, testing, continuing education and trainings, industry sponsored projects ,entrepreneurship development
Assist Principal in institute level activities
Keep abreast of the newer knowledge, skills and technology through self-up-gradation and dissemination of knowledge through articles, books, journals and seminars etc.
Self-development through qualification improvement, experience enrichment, professional activities and interactions with professional bodies.
Participate in non-formal mode of education for benefit of society/ Community
Certify and recommend the vouchers/bills of department/ related expenditures for further processing
To plan and implement the activities to take care of hygiene, safety and housekeeping in the institute
To develop and maintain inter departmental relation for effective working in the institute
Motivator and facilitator for carrying co-curricular and extracurricular activities for developing overall personality of students.

C)Lecturer
Lecturer is answerable to the Head of concerned department.
Effective implementation of curricula of the concerned course/ subject.
Planning and delivering class room and laboratory instructions.
Student's assessment and evaluation including tasks related with mid-term tests and term- end examinations
Design and development of learning resources
Planning, setting of laboratories
Guiding the concerned Lab Assistant in maintenance and repairs of laboratories and equipment's concerned with the course/subject
Laboratories and academic facilities development
Preparing and maintaining students‟ records for the academic term
Plan and execute students development activities
Guidance and counseling to students
Participate in professional activities through interaction with industries, consultancy, testing continuing education and trainings, industry sponsored projects, entrepreneurship development, research.
Assist Head of the department in departmental activities and providing students‟ services
Keep abreast of the newer knowledge, skills and technology through self- up gradation and dissemination of knowledge through articles, books, journals and seminars etc.
Self-development through qualification improvement, experience enrichment, professional activities and interactions with professional bodies.
Participate in non-formal mode of education for benefit of society / community
To plan and implement the activities to take care of hygiene, safety and housekeeping in institute.
Motivator and facilitator for carrying con-curricula and extracurricular activities for developing overall personality of students.

A. Decentralization in Working

Institute level committees are established for effective and efficient functions of various activities in the institute before start of academic year. Following committees are set up for each academic session.

PORTFOLIO DISTRIBUTION ORDER FOR ACDEMIC YEAR 2025-26 TILL FURTHER ORDER

Sr. No.	Portfolio/Institutional Activities	Brief Information about Portfolio/ Activities	Faculty In-Charges(s)	Member	Remark
1.	Academic Coordination & Monitoring Time Table, Attendance & Detention	Display of academic calendar of MSBTE & Its Implementation. Coordination internal academic monitoring. Preparing & uploading Institutional & Departmental Information. Regarding academic monitoring on MSBTE web portal. Enhance & Promote use of multimedia in teaching learning process. Promote spoken tutorial programme of IIT Mumbai Collect student's feedback & analyze it for improvement. Correspondence with MSBTE & RBTE & follow up of their website, Result Analysis of all branches. Attendance Register. Preparation Of Institutional Time-table. Optimum utilization of Classrooms, classrooms time-table & incorporation of room no. in time-table. Collecting attendance record & communicating it to guardian/parent in case short attendance. Coordinating detention meeting. Planning & Conduction of sessional test. Preparation of time-table, arrangement of Classrooms, invigilator & Supporting staff. Guidelines for question paper setting & question paper template. Conducting vigilance during test Examination.	E.E. Tadvi Pathan	M.B.Nawarkhele, M.S.Limje, A.P.Kedar, T.S.Parodwad, H.D.Sawant, K.S.Kharade.	
2.	IEDSSA/ Gymkhana	Nomination of class representative. Constitution of gymkhana Committee. Planning and conduction of cultural & games. Conducting meeting of CR's,to provide facility, Overall coordinating. Conducting Annual Cultural Programme. Planning & Co-ordination. Appointing various Committees & Representatives. Ground Preparation, Institute level games. Team selection for various IEDSSA events. Co-coordinating Zonal /Inter-zonal events.	Dr.A.B.Damkondwar (Vice President) M.L.Samleti (Secretary) D.N.Wankhade	A.N.Yadav IEDSSA (Boys) S.G.Dutal IEDSSA (Girls)	
3	RTI Committee	Work as per RTI Act 2005	Dr.A.B.Damkondwar (Information officer)	Smt.J.G.Munde (Asst. Information Officer) H.D.Sawant	

GOVERNMENT POLYTECHNIC HINGOLI

PORTFOLIO DISTRIBUTION ORDER FOR ACDEMIC YEAR 2025-26 TILL FURTHER ORDER

Sr. No.	Portfolio/Institutional Activities	Brief Information about Portfolio/ Activities	Faculty In-Charges(s)	Member	Remark
4	Magazine & Newsletter Publication	Wall Magazine:- Promotion & Record Keeping. Annual magazine publication. Magazine promotion, collection & publication of e-papers. Articles on the institute web site.	E.E. Tadvi Pathan	M.B. Nawarkhele, A.N.Yadav	Yearly
5.	Training & Placement, Industry Academia	Coordinate between Industry and Institution. Arrange Campus Interviews. Identify Industries for In plant training of students. Keeping records of placement and database of final year students. Organize Entrepreneurship Workshop. Coordination with BOAT.	E.E. Tadvi Pathan	S.C.Fakir, D.D.Labde, P.S.Patil, K.S.Kharade	
6.	Garden Maintenance, House-keeping & campus Cleanliness	Development of Landscape & Garden. Maintenance of Garden. Cleanliness of class rooms, staff rooms, labs, Corridor, toilets etc. Campus cleanliness.	S.R.Mudholkar, A.N.Yadav M.B.Nawarkhele	P.P.Deshpande, A.P.Kedar, Dr .A.B. Damkondwar, J.K.Kolhe, J.V.Wankhade, S.M.Bendke, S.Y.Pandhawle	
7.	Students co-operative stores	Management, Controlling & Functioning of students co-operative stores as per norms. Planning & providing of student cantered facilities/items.	Dr.Javed Shaikh	S.B.Bhosle, A.P.Kedar	
8.	Guidance, Counselling, Discipline & Students Mentoring Cell	Guidance & Counselling of students. Hearing & redresses of grievances, General students discipline, Controlling and prohibiting of ragging	E.E. Tadvi Pathan	All HOD & Class Teachar	
9.	Staff development Cell	Identifying training & deputing staff for training programme. Arranging personality development workshops/one day induction programme for New Teachers. Advanced Technology Training for imparting quality education.	D.D.Labde	S.B.Bhosle, A.P.Kedar	
10.	Accreditation	Correspondence with NBA. Submitting proposal. Submitting proposal for Funds & Its Follow-up. Planning & Controlling on implementation. AICTE standards & norms.	S.R.Mudholkar, T.S.Parodwad	S.B.Bhosle, M.L.Samleti	
11.	Girls, Women's Development & Grievances Redressal Cell	Conducting Meeting & creating Facilities for development. Arranging personality development. Workshop Medical check-up camps.	G.Dutal,	Members Of Wishakha Samiti	

GOVERNMENT POLYTECHNIC HINGOLI

PORTFOLIO DISTRIBUTION ORDER FOR ACDEMIC YEAR 2025-26 TILL FURTHER ORDER

Sr. No.	Portfolio/Institutional Activities	Brief Information about Portfolio/ Activities	Faculty In-Charges(s)	Member	Remark
12.	Entrepreneurship Development	Organize lectures, workshops and seminars by renowned personalities form different domains of expertise, competitions of various kind etc. Round the year in order to create awareness and sharpen business acumen of students and aspiring entrepreneurs. Make an effort to increase and facilitate industry academia interaction to promote new entrepreneurial ventures. An annual business summit may be conducted at G.P. Hingoli to encourage exchange of ideas between industry and academia.	M.L.Samleti	E.E. Tadvi Pathan	
13.	Hostel and Campus security including minority Hostel	Overall administration of all hostels, campus and security	J.K.Kolhe	D.D.Labde, S.C.Fakir, M.R.Shaikh, A.L.Metange, S.Y.Pandhawle	
14.	Alumni Association	Registration alumni association. Members planning & organizing meeting of aluminise.	M.L.Samleti	E.E. Tadvi Pathan	
15.	Equipment purchase, Maintenance and writ off	Planning and Purchase of equipments and consumable etc, yearly maintenance contract and its implementations, Writ off proposals and implementations. Repair of furniture and writ off un repairable furniture.	J.V.Wankhade	All HOD & Registrar, Store-Keeper	
16.	Parent-Teacher Meet	Fix-up the schedule of PTM branch-wise/year wise. Coordinate the PTM.Collect the suggestions & formulate for improvement.	E.E. Tadvi Pathan	All HOD	
17.	Scholarship Scheme	Liaison with office Social Welfare & District Collector	RO Level:- M.B.Nawarkhele:-**EBC** M.S.Limje:- **Minority** S.S.Bhosle:- **Dr.Panjabrao Deshmukh Scholarship**	Inst Level:- J.K.Kolhe:- **GOI, Minority** V.D.Raut:- **Panjabrao Deshmukh Scholarship,EBC**	
18.	MIS	Online & offline submission of proposals for approval	Dr.A.B.Damkondwar	R.S.Swami S.M.Mahawalkar	
19.	Website maintenance & AICTE website follow up, Internet & Telephone Computer Hardware Networking	Maintenance of institute website. Maintenance of IT infrastructures such as computers, Printers, networking & peripherals. Coordination with server Provider etc.	M.S.Limje	N.S.Jadhav , R.S.Swami	

PORTFOLIO DISTRIBUTION ORDER FOR ACDEMIC YEAR 2025-26 TILL FURTHER ORDER

Sr. No.	Portfolio/Institutional Activities	Brief Information about Portfolio/ Activities	Faculty In-Charges(s)	Member	Remark
20.	MHT-CET & another online exam	Planning and conduction of MHT CET and other exams etc.	N.S.Jadhao	P.L.Satore, P.S.Patil	
21.	MSBTE Exam DC	Work as per guidelines of MSBTE	Order issue separately		
22.	MSBTE Theory Exam	Planning and conduction of MSBTE Theory exam etc			
23.	MSBTE Online TH Exam	Planning and conduction of MSBTE Online Theory exam etc			
24.	RAC In charge	As per guidelines of MSBTE.			
25.	DEC In charge	As per guidelines of MSBTE.			
26.	Building Plumbing & water supply Air cooler & water cooler	Coordination with PWD for repair & Maintenance, minor contruction /alteration including plumbing works, proposal of discretionary grants, Repairs and maintenance of air cooler and water cooler including purification water supply system within institute premises.	A.P.Kedar J.V.Wankhade	R.P.Bahurupe	
27.	Electrification	Overall Maintenance of lights, fans switch-boards, wiring , generator	V.K.Patil	A.M.Sontakke	
28.	Professional bodies Students chapters (ISTE & IEI Chapters)	Nomination of various representatives, constitution of committee, planning and conduction of co-curricular activities & competitions, organizing students project Exhibition. Facilitating and encouraging students participation in technical events/competitions organized by other institutes.	T.S.Parodwad, D.D.Labde,	H.D.Sawant	
29.	Publicity, Public Relations & Marketing	Publishing various advertisements, publishing news in MSBTE newsletter & local News Paper, Keeping records of institutional achievements with news cut-outs, Publishing institute broachers, Marketing the Institute.	Dr.Javed Shaikh	S.R.Mudholkar, M.S.Limje	
30.	Library Development Management	Computerization of library, Procurement of news books Journals, Magazine & LRs, Writ-off Absolute Books	N.S.Jadhav, S.B.Bhosle,	S.Y.Pandhawle,	
31.	AICTE approval, AISHE & MHRD related activities	Online & offline submission of proposals for approval, publishing mandatory disclosure on institute website, any other activity related to MHRD.	P.S.Patil	P.L.Satore	
32.	CMYKPY and project proposals for funding	CMYKPY All activities	J.V.Wankhade	A.L.Metange,	
33.	Guest Hospitality	To attend & make necessary arrangement for their welcome to the institute.	A.P.Kedar J.V.Wankhade	S.R.Mudholkar M. R. Shaikh,	

PORTFOLIO DISTRIBUTION ORDER FOR ACDEMIC YEAR 2025-26 TILL FURTHER ORDER

Sr. No.	Portfolio/Institutional Activities	Brief Information about Portfolio/ Activities	Faculty In-Charges(s)	Member	Remark
34.	Canteen In charge	Responsible for overseeing the daily operations of a canteen, ensuring efficient service, food quality, and Key responsibilities include staff management, inventory control, food safety and hygiene	J.V.Wankhade	N.S.Jadhav,M R Shaikh	
35.	Admission Cell	First year and second year FC/ARC	S R Mudholkar, T S Parodwad, V D Raut	Dr .A.B.Damkondwar A N Yadav, S G Dutal, Dr.J S Shaikh, M B Nawarkhele J. K. Kolhe P P Deshpande, M R.Shaikh, N.S.Jadhav, S.B.Bhosle, V K Patil	
36.	Tree Plantation.	Tree Plantation, Maintenance of Tress, They help regulate the water cycle: ... They provide resources and a positive effect on mental health: ... They provide shade and Improve the environment.	S.R.Mudholkar, A.N.Yadav M.B.Nawarkhele	P.P.Deshpande, A.P.Kedar, Dr .A.B. Damkondwar, J.K.Kolhe, J.V.Wankhade, S.M.Bendke	
37.	NSS/RRC	The scheme aims to involve student youth in community service activities, fostering their personality development and social responsibility. RRC stands for Red Ribbon Club. The Red Ribbon Club is a movement in educational institutions, focused on raising awareness about HIV/AIDS among students.	A.N.Yadav, Dr .A.B. Damkondwar	S G Dutal, D.N.Pasare	

तरी उपरोक्त सर्व अधिकारी/कर्मचारी यांनी नेमून दिलेली जबाबदारी व्यवस्थितरित्या पार पाडावी.

(B.P.Deosarkar)
Principal
Government Polytechnic, Hingoli.

GOVERNMENT POLYTECHNIC HINGOLI

Student's Guidance, Grievance and Reddresal cell

To develop a responsive and accountable attitude among all stakeholders in order to maintain a harmonious educational environment in the institute Student's Guidance, Grievance and Redressal cell is established in the institute. List of committee members for academic session are given below:

SC/ ST Committee Details

Validate Record

1 - 6 of 6

Committee type	Appointment Order Reference Number	Date of Appointment	Name of the Committee	Profession	Associated with	Mobile Number	e-mail address	Caste
SC/SC COMMITTEE	342	13/2/2024	Mr. B P DEOSARKAR	Principal	College	9527930967	deosarkarbp@gmail....	OTHER
SC/SC COMMITTEE	342	13/2/2024	P L SATORE	Lecturer	College	9970820570	plsatore@gmail.com	SC
SC/SC COMMITTEE	342	13/2/2024	A D BHISE	office staff	College	9881770520	adbhise@gmail.com	ST
SC/SC COMMITTEE	342	13/2/2024	M S CHAUDHARI	REGISTRAR	College	8459619845	msc_4673@rediffmail....	OTHER
SC/SC COMMITTEE	342	13/2/2024	Vishal Raut	Lecture	College	9284715643	imvishalraut@gmail.com	SC
SC/SC COMMITTEE	342	13/2/2024	Priya Patil	Lecturer	College	9665805633	patil.priya2289@gmail...	OTHER

Anti-Ragging Committee

To prohibit, prevent and eliminate the scourge of ragging including any conduct by the student which has the effect of teasing, treating with rudeness a fresher or any other student or indulging in undisciplined activities which cause physical or psychological harm to student, the following committee is formed in the institution for healthy, physical and psychological development of all students.

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, MIDC, सिंवाळा, हिंगोली ४३१५१३

दूरध्वनी क्र. ०२४५६-२४८०४२ ई-मेल principal.gphingoli@dtemaharashtra.gov.in वेबसाईट: www.gphingoli.in

जा.क्र.शातंनिहिं/आस्था/AICTE/२०२४/ 340A दि.१३/०२/२०२४

Office Order. [Anti-Ragging Squad]

As per All India Council for Technical Education notified Regulation for prevention and prohibition of ragging in AICTE approved Technical Institutions vide No. 37-3/ Legal/ AICTE/ 2009 dated 01.07.2009 and UGC Regulation issued in this regard, the following Anti-Ragging squad is constituted for the year 2024-25.

Sr. No	Name Designation	Designation	Post
1	Mr. B. P. Deosarkar	Principal	Chair person
2	Mr. D. N. Bhatkar	I/C HOD ME	Member Secretary
3	Mr. M. S. Chaudhari	Registrar	Member
4	Mr. E. E. Tadvipathan	I/C HOD EJ	Member
5	Mr. N. S. Jadhao	I/C HOD CO	Member
6	Mr. F. C. Saddam	I/C Hostel	Member

Principal
प्राचार्य,
शासकीय तंत्रनिकेतन, हिंगोली

Copy to:
4. All Hods and controller (CO/ME/EJ/Sci./Workshop/Office/Library
5. Institute website coordinator for N.A.
6. Concerned officer for necessary action.

Women's Grievance Committee

In pursuance of AICTE/UGC (Prevention, prohibition and redressal of sexual harassment of women employees and students in higher educational institutions) Regulations,

2015 read with Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, and Government of Maharashtra Resolution dated 19th September 2006, Internal Complaints Committee (ICC) is constituted as under to deal with the complaints relating to Sexual Harassment at work.

महाराष्ट्र शासन

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, MIDC, सिंवाळा, हिंगोली ४३१५१३

ई-मेल-principal.gphingoli@dtemaharashtra.gov.in वेबसाईट: www.gphingoli.in

जा.क्र.शातंनिहिं/आस्था-१/म.तक्रार निवारण/२०२४/ 2132 दिनांक:- 01 OCT 2024

कार्यालयीन आदेश

संदर्भ:- शासन निर्णय महिला व बाल विकास विभाग मकची-२०१३/प्र.क्र.६३/मकक दि.१९ जून २०१४

उपरोक्त संदर्भिय शासन निर्णयानुसार या संस्थेत शिशाखा जजमेंटमधील मार्गदर्शक तत्वानुसार सन २०२४-२५ या वर्षाकरीता खालीलप्रमाणे महिला तक्रार निवारण समिती पुढील आदेश निर्गमीत होईपर्यंत गठीत करण्यात येत आहे.

अ.क्रं	अधिका-याचे नाव व पदनाम	समितीतील पद
१	श्रीमती सारीका ग.दुटाळ, अधि.रसायनशास्त्र	अध्यक्ष
२	श्रीमती प्राची प्र.देशपांडे, अधि.माहिती तंत्रज्ञान	सदस्य
३	श्रीमती मुनइझा झरीन रा.शेख, अधि.अणुविद्युत	सदस्य
४	श्रीमती वसुंधरा के.पाटील, अधि.विद्युत	सदस्य
५	श्रीमती शितल आ.फुपाटे, वरीष्ठ लिपीक	सदस्य सचिव
६	श्रीमती संध्या व.मेहेत्रे, निदेशक तांत्रिक प्रयोगशाळा सहाय्यक	सदस्य
७	ॲड.रीना दि.झंवर, जिल्हा सत्र न्यायालय हिंगोली	सदस्य
८	श्रीमती विभावरी अ.डुब्बेवार, सामाजिक कार्यकर्त्या(शिक्षण क्षेत्र)हिंगोली	अशासकीय सदस्य

सदर समितीने कामाच्या ठिकाणी महिलांचे लैंगिक छळापासून संरक्षण प्रतिबंध मनाई व निवारण अधिनियम-२०१३ व नियम दिनांक ०९/१२/२०१३ नुसार कार्यवाही करावी.

(भा.पुं.देवसरकर)
प्र.प्राचार्य
शासकीय तंत्रनिकेन, हिंगोली

शासकीय तंत्रनिकेतन, हिंगोली

पी-९, MIDC, सिंवाळा, हिंगोली ४३१५१३

जा.क्र.शातंनिहिं, आस्था-१/म.तक्रार निवारण/२०२४/ 111 दिनांक 15 JAN 2025

कार्यालयीन आदेश

संदर्भ:- शासन निर्णय महिला व बाल विकास विभाग मकची-२०१३/प्र.क्र.६३/मकक दि.१९ जून २०१४

उपरोक्त संदर्भिय शासन निर्णयानुसार या संस्थेत शिशाखा जजमेंटमधील मार्गदर्शक तत्वानुसार सन २०२४-२५ या वर्षाकरीता खालीलप्रमाणे महिला तक्रार निवारण समिती पुढील आदेश निर्गमीत होईपर्यंत गठीत करण्यात येत आहे.

अ.क्रं	अधिका-याचे नाव व पदनाम	समितीतील पद
१	श्रीमती सारीका ग.दुटाळ, अधि.रसायनशास्त्र	अध्यक्ष
२	श्रीमती प्राची प्र.देशपांडे, अधि.माहिती तंत्रज्ञान	सदस्य
३	श्रीमती मुनइझा झरीन रा.शेख, अधि.अणुविद्युत	सदस्य
४	श्रीमती वसुंधरा के.पाटील, अधि.विद्युत	सदस्य
५	श्रीमती शितल आ.फुपाटे, वरीष्ठ लिपीक	सदस्य सचिव
६	ॲड.रीना दि.झंवर, जिल्हा सत्र न्यायालय हिंगोली	सदस्य
७	श्रीमती विभावरी अ.डुब्बेवार, सामाजिक कार्यकर्त्या(शिक्षण क्षेत्र)हिंगोली	अशासकीय सदस्य

सदर समितीने कामाच्या ठिकाणी महिलांचे लैंगिक छळापासून संरक्षण प्रतिबंध मनाई व निवारण अधिनियम-२०१३ व नियम दिनांक ०९/१२/२०१३ नुसार कार्यवाही करावी.

(भा.पुं.देवसरकर)
प्र.प्राचार्य
शासकीय तंत्रनिकेन, हिंगोली

9.1.4 Delegation of financial powers (5)

Principal of the institute is a drawing and disbursing officer (DDO). The financial powers are delegated to Principal as per Government of Maharashtra revised GR No.2013/Letter No.-30/2013/Part-2 /Mantralaya, Mumbai dated 17th April 2015. Principal of the institute delegates the power to the Head of the Department and relevant in-charge for purchase of material & supply consumables and equipment's as per the requirement and availability of grants from time to time.

9.1.5 Transparency and availability of correct/unambiguous information in public domain (5)

As per the Right to Information Act (RTI) 2005. Information related to institute is available on institute website http://www.gphingoli.in/. Following designated officers of the institute are responsible for providing information under RTI act. Information of RTI act, processes and policies is made available on web site of the institute.

Period	Appellate officer	Information officer	Assistant Information officer	Responsibilities
2023-24	Shri.B.P. Deosarkar PRINCIPAL	Shri.A.B. Damkondwar, Lecturer	Shri. J.G. Munde I/c Registrar	To provide information under RTI act.

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (10)

2024-25

Total Income				**Actual Expenditure**			
						No. of students:733	
Fee	Govt	Grants	Other Sources	Recurring including Salaries	Non Recurring	Special Projects/ Any Other	Expenditure per student
3660000	0	104541577	0	93727178	0	0	127867.9

2023-24

Total Income				**Actual Expenditure**			
						No. of students:612	
Fee	Govt	Grants	Other Sources	Recurring including Salaries	Non Recurring	Special Projects/ Any Other	Expenditure per student
3720000	0	104657791	0	102371498	0	0	167273.68

2022-23

Total Income				**Actual Expenditure**			
						No. of students: 618	
Fee	Govt	Grants	Other Sources	Recurring including Salaries	Non Recurring	Special Projects/ Any Other	Expenditure per student
936200	89495356	0	0	87057033	11918422	0	160154.45

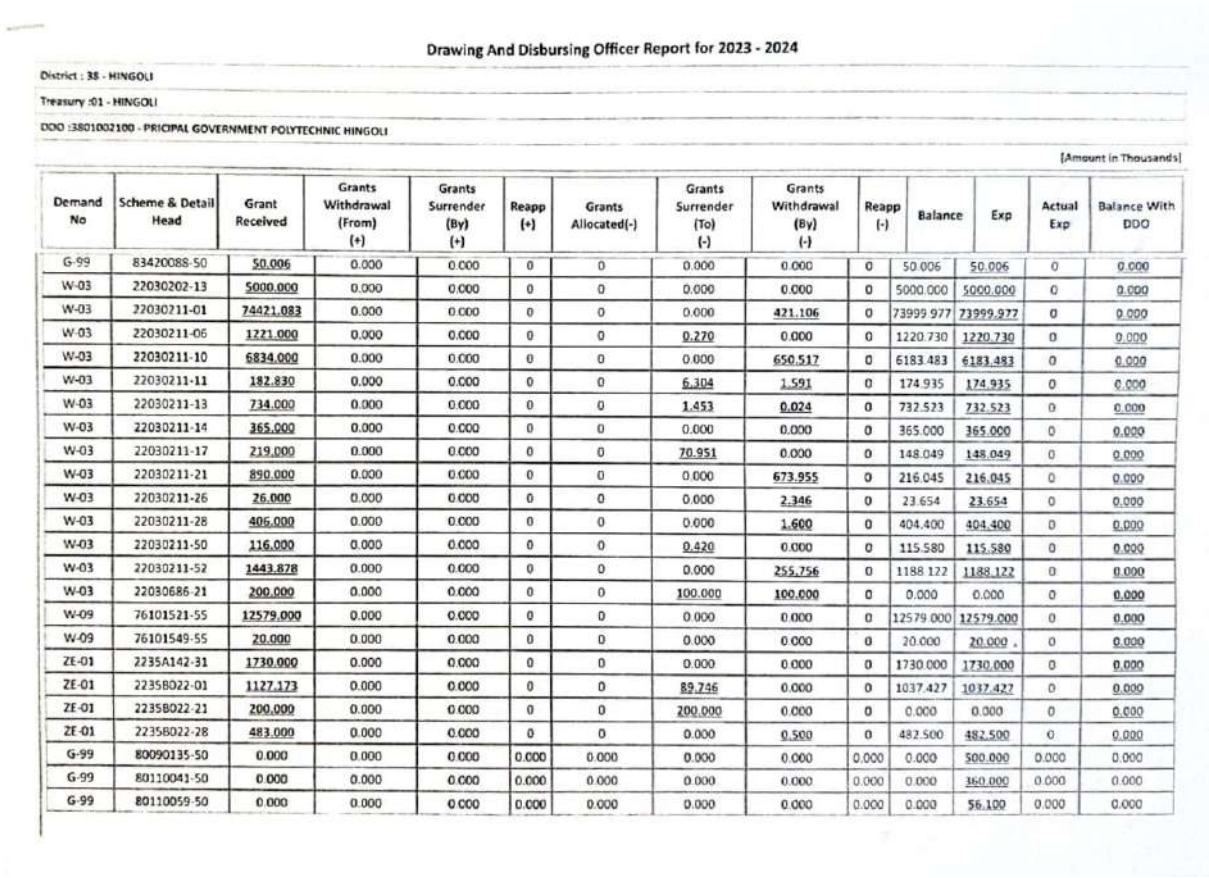
Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years

9.2.1 Adequacy of Budget Allocation (4)

Requirement of funds for various activities is proposed in the budget preparation as per the guidelines of DTE and is submitted to the Government through DTE. Funds are made available by the government. For discrepancy if any in allocation of the budget and requirement of the institute, revised proposal is sent to the DTE and funds are made available as per the requirements.

9.2.2 Utilization of allocated funds (4)

Allocated funds are utilized on various items during the last three years are detailed as below.



Drawing And Disbursing Officer Report for 2023 - 2024

District : 38 - HINGOLI

Treasury :01 - HINGOLI

DDO :3801002100 - PRICIPAL GOVERNMENT POLYTECHNIC HINGOLI

[Amount in Thousands]

Demand No	Scheme & Detail Head	Grant Received	Grants Withdrawal (From) (+)	Grants Surrender (By) (+)	Reapp (+)	Grants Allocated(-)	Grants Surrender (To) (-)	Grants Withdrawal (By) (-)	Reapp (-)	Balance	Exp	Actual Exp	Balance With DDO
G-99	83420088-50	50.006	0.000	0.000	0	0	0.000	0.000	0	50.006	50.006	0	0.000
W-03	22030202-13	5000.000	0.000	0.000	0	0	0.000	0.000	0	5000.000	5000.000	0	0.000
W-03	22030211-01	74421.083	0.000	0.000	0	0	0.000	421.106	0	73999.977	73999.977	0	0.000
W-03	22030211-06	1221.000	0.000	0.000	0	0	0.270	0.000	0	1220.730	1220.730	0	0.000
W-03	22030211-10	6834.000	0.000	0.000	0	0	0.000	650.517	0	6183.483	6183.483	0	0.000
W-03	22030211-11	182.830	0.000	0.000	0	0	6.304	1.591	0	174.935	174.935	0	0.000
W-03	22030211-13	734.000	0.000	0.000	0	0	1.453	0.024	0	732.523	732.523	0	0.000
W-03	22030211-14	365.000	0.000	0.000	0	0	0.000	0.000	0	365.000	365.000	0	0.000
W-03	22030211-17	219.000	0.000	0.000	0	0	70.951	0.000	0	148.049	148.049	0	0.000
W-03	22030211-21	890.000	0.000	0.000	0	0	0.000	673.955	0	216.045	216.045	0	0.000
W-03	22030211-26	26.000	0.000	0.000	0	0	0.000	2.346	0	23.654	23.654	0	0.000
W-03	22030211-28	406.000	0.000	0.000	0	0	0.000	1.600	0	404.400	404.400	0	0.000
W-03	22030211-50	116.000	0.000	0.000	0	0	0.420	0.000	0	115.580	115.580	0	0.000
W-03	22030211-52	1443.878	0.000	0.000	0	0	0.000	255.756	0	1188.122	1188.122	0	0.000
W-03	22030686-21	200.000	0.000	0.000	0	0	100.000	100.000	0	0.000	0.000	0	0.000
W-09	76101521-55	12579.000	0.000	0.000	0	0	0.000	0.000	0	12579.000	12579.000	0	0.000
W-09	76101549-55	20.000	0.000	0.000	0	0	0.000	0.000	0	20.000	20.000	0	0.000
ZE-01	2235A142-31	1730.000	0.000	0.000	0	0	0.000	0.000	0	1730.000	1730.000	0	0.000
ZE-01	2235B022-01	1127.173	0.000	0.000	0	0	89.746	0.000	0	1037.427	1037.427	0	0.000
ZE-01	2235B022-21	200.000	0.000	0.000	0	0	200.000	0.000	0	0.000	0.000	0	0.000
ZE-01	2235B022-28	483.000	0.000	0.000	0	0	0.000	0.500	0	482.500	482.500	0	0.000
G-99	80090135-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	500.000	0.000	0.000
G-99	80110041-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	360.000	0.000	0.000
G-99	80110059-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	56.100	0.000	0.000

9.2.3 Availability of the audited statements on the institute's website (2)

Available

9.3 Department Specific Budget Allocation, Utilization (5)

2024-25

Total budget		Actual expenditure	
Non recurring	Recurring	Non recurring	Recurring
0	17423600	0	15621000

2023-24

Total budget		Actual expenditure	
Non recurring	Recurring	Non recurring	Recurring
0	17442970	0	17061920

2022-23

Total budget		Actual expenditure	
Non recurring	Recurring	Non recurring	Recurring
181032	10582068	181032	10582068

9.3.1 Adequacy of Budget Allocation (2)

Budget is adequate for routine requirement of the department. In case of more budget requirement for the developmental activities, the proposal is required to be sent to the DTE, Mumbai for the allocation.

9.3.2 Utilization of allocated funds (3)

Refer 9.2.2

Drawing And Disbursing Officer Report for 2024 - 2025

District : 38 - HINGOLI

Treasury :01 - HINGOLI

DDO :3801002100 - PRICIPAL GOVERNMENT POLYTECHNIC HINGOLI

[Amount in Thousands]

Demand No	Scheme & Detail Head	Grant Received	Grants Withdrawal (From) (+)	Grants Surrender (By) (+)	Reapp (+)	Grants Allocated(-)	Grants Surrender (To) (-)	Grants Withdrawal (By) (-)	Reapp (-)	Balance	Exp	Actual Exp	Balance With DDO
W-03	22030211-01	70239.000	0.000	0.000	0	0	0.000	1816.403	0	68422.597	68422.597	64481.586	0.000
W-03	22030211-06	2525.000	0.000	0.000	0	0	1337.865	0.000	0	1187.135	1187.135	1187.135	0.000
W-03	22030211-10	8599.000	0.000	0.000	0	0	0.000	24.300	0	8574.700	8574.700	7991.322	0.000
W-03	22030211-11	451.000	0.000	0.000	0	0	132.404	0.000	0	318.596	318.596	270.985	0.000
W-03	22030211-13	545.000	0.000	0.000	0	0	22.989	100.000	0	422.011	422.011	377.011	0.000
W-03	22030211-14	1061.000	0.000	0.000	0	0	720.541	0.000	0	340.459	340.459	340.459	0.000
W-03	22030211-21	633.000	0.000	0.000	0	0	319.597	0.000	0	313.403	313.403	313.403	0.000
W-03	22030211-24	120.000	0.000	0.000	0	0	120.000	0.000	0	0.000	0.000	0	0.000
W-03	22030211-28	3293.000	0.000	0.000	0	0	1267.800	320.000	0	1705.200	1705.200	1705.200	0.000
W-03	22030211-52	1190.577	0.000	0.000	0	0	15.500	0.000	0	1175.077	1175.077	1175.077	0.000
W-09	76101521-55	12985.000	0.000	0.000	0	0	0.000	0.000	0	12985.000	12985.000	12985.000	0.000
W-09	76101539-55	2900.000	0.000	0.000	0	0	0.000	0.000	0	2900.000	2900.000	2900.000	0.000
ZE-01	2235A142-31	1730.000	0.000	0.000	0	0	923.870	0.000	0	806.130	806.130	806.130	0.000
ZE-01	2235B022-01	1556.000	0.000	0.000	0	0	0.000	114.380	0	1441.620	1441.620	1441.620	0.000
ZE-01	2235B022-21	500.000	0.000	0.000	0	0	24.517	200.000	0	275.483	275.483	275.483	0.000
ZE-01	2235B022-28	430.000	0.000	0.000	0	0	0.000	1.200	0	428.800	428.800	428.800	0.000
ZE-01	2235B022-52	1747.500	0.000	0.000	0	0	0.000	0.000	0	1747.500	1747.500	1747.500	0.000
G-99	80090019-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1812.231	0.000	0.000
G-99	80090135-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	200.000	0.000	0.000
G-99	80110059-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	80.973	0.000	0.000

Print Report

Drawing And Disbursing Officer Report for 2022 - 2023

:38 - HINGOLI
easury :01 - HINGOLI
DO :3801002100 - PRICIPAL GOVERNMENT POLYTECHNIC HINGOLI

[Amount in Thousanc

Demand No	Scheme & Detail Head	Grant Received	Grants Withdrawal (From) (+)	Grants Surrender (By) (+)	Reapp (+)	Grants Allocated(-)	Grants Surrender (To) (-)	Grants Withdrawal (By) (-)	Reapp (-)	Balance	Exp	Actual Exp	Balance Wit DDO
W-03	22030211-01	77040.863	0.000	0.000	0	0	1629.174	0.000	0	75411.689	75411.689	0	0.000
W-03	22030211-06	1471.508	0.000	0.000	0	0	153.178	0.000	0	1318.330	1318.330	0	0.000
W-03	22030211-10	7043.551	0.000	0.000	0	0	235.828	0.000	0	6807.723	6807.723	0	0.000
W-03	22030211-11	437.950	0.000	0.000	0	0	83.092	0.000	0	354.858	354.858	0	0.000
W-03	22030211-13	782.000	0.000	0.000	0	0	0.083	4.000	0	777.917	777.917	0	0.000
W-03	22030211-14	227.500	0.000	0.000	0	0	0.000	0.000	0	227.500	227.500	0	0.000
W-03	22030211-17	318.355	0.000	0.000	0	0	36.303	0.000	0	282.052	282.052	0	0.000
W-03	22030211-21	378.000	0.000	0.000	0	0	0.266	0.000	0	377.734	377.734	0	0.000
W-03	22030211-26	27.500	0.000	0.000	0	0	21.500	0.000	0	6.000	6.000	0	0.000
W-03	22030211-28	743.790	0.000	0.000	0	0	62.290	0.000	0	681.500	681.500	0	0.000
W-03	22030211-50	235.625	0.000	0.000	0	0	148.025	0.000	0	87.600	87.600	0	0.000
W-03	22030211-52	788.714	0.000	0.000	0	0	0.000	64.584	0	724.130	724.130	0	0.000
ZE-01	2235B022-01	595.853	0.000	0.000	0	0	0.000	0.000	0	595.853	584.868	0	10.985
ZE-01	2235B022-21	964.280	0.000	0.000	0	0	708.425	0.000	0	255.855	255.855	0	0.000
ZE-01	2235B022-28	1500.000	0.000	0.000	0	0	1354.500	0.000	0	145.500	145.500	0	0.000
ZE-01	2235B022-52	964.280	0.000	0.000	0	0	964.280	0.000	0	0.000	0.000	0	0.000
G-99	80090135-50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	257.000	0.000	0.000

9.4 Library and Internet (20)

1. Quality of learning resources (hard/soft) (10)

9.4.1.1Titles and Volumes per Programme

S.N.	Name of Course	Titles Available	Volumes Available	No. of Journals Available
1	Computer Engineering	190	1370	03
2	Electronics & Telecommunication Engineering	171	1880	03
3	Mechanical Engineering	265	2450	03
4	Science and Humanities	60	1296	02
5	General Books	00	00	00
	Total	686	6996	11

9.4.2 Internet (10)

Sr. No.	Name of Program/ Section	Name of Internet Service Provider	Bandwidth (Mbps)	Data (GB)
1	Computer Engg.	Airtel	100	Unlimited
2	Electronics and Comm Engg.	Airtel	100	Unlimited
3	Mechanical Engg.	Airtel	100	Unlimited
4	Workshop	Airtel	100	Unlimited
5	Office	Airtel	100	Unlimited

Name of the Internet provider	Airtel
Available band width	100mbps
WiFi availability	yes
Internet access in labs, classrooms, library and offices of all Departments	internet access provided in labs, library and offices.
Security arrangements	Antivirus systems are provided

9.5 Institutional Contribution to the Community Development (5)

Tree plantation

लोकमत

वृक्षारोपण...

हिंगोली जवळील शासकीय तंत्रनिकेतनमध्ये प्राचार्य बी. पी. देवसरकर यांच्या हस्ते वृक्षारोपण करण्यात आले. यावेळी विविध विभागाचे प्रमुख, विद्यार्थी उपस्थित होते.

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Blood donation camp

लोकमत

रक्तदान शिबिर

हिंगोली येथील शासकीय तंत्रनिकेतनमध्ये आयोजित रक्तदान शिबिरप्रसंगी उपस्थित विद्यार्थी, प्राध्यापक.

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लोकमत

शासकीय तंत्रनिकेतनमध्ये रक्तदान शिबिरास प्रतिसाद

लोकमत न्यूज नेटवर्क

हिंगोली : येथील शासकीय तंत्रनिकेतनमध्ये राष्ट्रीय सेवा योजनेअंतर्गत स्वातंत्र्यवीर वि. दा. सावरकर यांच्या पुण्यतिथीनिमित्त २५ फेब्रुवारी रोजी रक्तदान व मरणोत्तर नेत्रदान शिबिर घेण्यात आले. यात २७ विद्यार्थी, प्राध्यापक, कर्मचाऱ्यांनी रक्तदान केले.

२७
जणांनी शिबिरात केले रक्तदान

स्वातंत्र्यवीर वि. दा. सावरकर यांची २६ फेब्रुवारी रोजी पुण्यतिथी आहे. या निमित्त या कार्यक्रमाचे आयोजन करण्यात आले होते. यावेळी प्राचार्य बी.पी. देवसरकर यांची उपस्थिती होती. रक्तदान हेच श्रेष्ठदान आहे. समाजाला आपले काही देणे आहे, याचे भान ठेवून प्रत्येक विद्यार्थी, कर्मचाऱ्यांनी रक्तदान केले पाहिजे, असे आवाहन प्राचार्य देवसरकर यांनी केले. जिल्हा रुग्णालयातील संतोष सोनटक्के, नितीन हंडगे, बंडू नरवाडे, सतीश तडस, वैभव मुटकुळे यांनी रक्त पिशवीचे संकलन केले. शिबिर यशस्वीतेसाठी मुधोळकर, यादव, नवरखेले, कोल्हे, दमकोंडवार, जाधव, मंगनाळे, सालमेटी, तडवी पठाण, पसारे आदींनी पुढाकार घेतला.

शासकीय तंत्रनिकेतनच्या राष्ट्रीय सेवा योजनेअंतर्गत दरवर्षी हा उपक्रम राबविला जातो. त्यास विद्यार्थ्यांचा प्रतिसाद मिळतो.

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Medical Awareness Camp

School connect program


दै. गाववाला- 09/01/2025

बहिर्जी स्मारक विद्यालयात स्कूल कनेक्ट २.० संपर्क अभियान उत्साहात संपन्न

Felicitation of Women on International Women's Day

दैनिक भास्कर

परभणी-

अंतर्राष्ट्रीय महिला दिवस पर विभिन्न कार्यक्रमों का आयोजन, महिल

शासकीय तंत्रनिकेतन में महिलाओं का सम्मान

जिला संवाददाता | हिंगोली

हिंगोली शहर के लिंबाला मक्ता एमआईडीसी में स्थित शासकीय तंत्र निकेतन महाविद्यालय में 8 मार्च को महिला दिवस कार्यक्रम उत्साह के साथ मनाया गया। शनिवार को संस्था की महिला शिकायत निवारण समिति द्वारा आयोजित कार्यक्रम में मुख्य अतिथि के रुप में श्रीदेवी वाग्गे, पुलिस उपनिरीक्षक, सरस्वती कोर्डे, जिला बाल संरक्षण अधिकारी, विभावरी डुब्बेवार, विशाखा समिति सदस्य, आंतरिक शिकायत निवारण समिति (आईसीसी) के गैर-सरकारी सदस्य चंद्रकांत पाईकराव उपस्थित थे। कार्यक्रम की अध्यक्षता संस्था के प्राचार्य बी.पी. यह देवसरकार ने की।

कार्यक्रम का शुभारंभ दीप प्रज्वलन और सरस्वती पूजा के साथ हुआ। कार्यक्रम की प्रस्तावना महिला शिकायत निवारण समिति की अध्यक्षा सारिका दुताल ने कर उपस्थित सभी छात्राओ को अंतर्राष्ट्रीय महिला दिवस मनाने के पीछे की पृष्ठभूमि के बारे में बताया। मुख्य अतिथि पुलिस उपनिरीक्षक श्रीदेवी वाग्गे ने परिवार में माता-पिता तथा शिक्षकों को महत्व देने की बात कही। उन्होंने कहा कि जहां माता-पिता हमें जन्म देते हैं, वहीं शिक्षक हमारे जीवन में सबसे महत्वपूर्ण भूमिका निभाते हैं। जिला बाल संरक्षण अधिकारी सरस्वती कोर्डे ने लोगों से आधुनिक संचार माध्यमों का सदुपयोग करने का आग्रह करते हुए समाज में कहीं भी बाल विवाह को रोकने अथवा 1098 पर शिकायत दर्ज कराने के निर्देश दिए। डुब्बेवार ने हमें बताया कि मोबाइल के कारण हम घर और खुद से कट गए हैं और हमें लक्ष्य को ध्यान में रखते हुए छोटी-छोटी चीजों में प्रगति करने का प्रयास करना चाहिए। चंद्रकांत पाईकराव ने डिप्लोमा की पढ़ाई कर रही छात्राओं को सलाह दी कि यदि वे अवसाद के कारण आत्महत्या से बचना चाहती हैं तो उन्हें तनाव प्रबंधन और समय प्रबंधन पर ध्यान देना चाहिए। अध्यक्षीय समापन भाषण में संस्था के प्राचार्य बी.पी. देवसरकार ने सभी लड़कियों और महिलाओं को महिला दिवस की शुभकामनाएं दीं और उन्हें समाज में आदर्श व्यक्तियों के गुण विकसित करने, लगातार काम में लगे रहने और भटकाव से दूर रहने की सलाह दी।

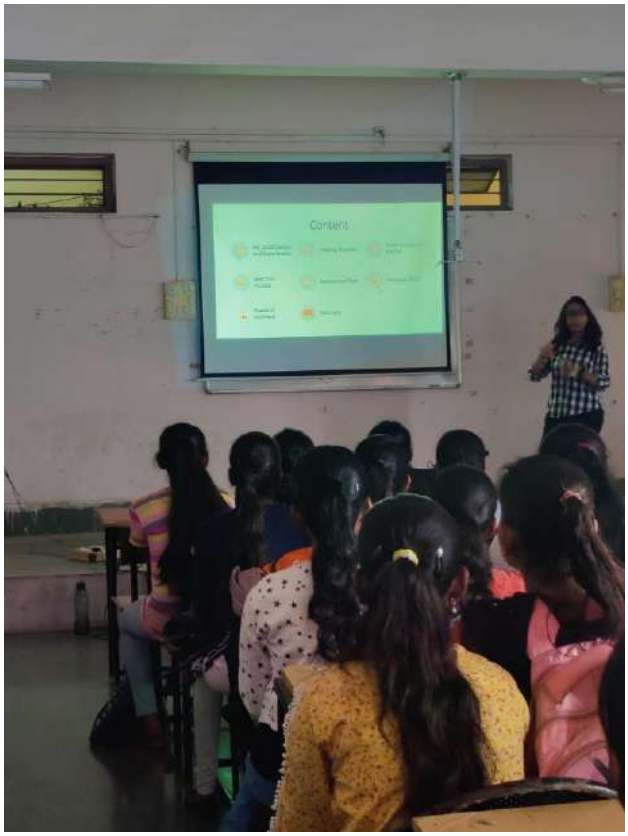
इस अवसर पर प्रो. दुताल, प्रो. मुनांजा शेख, प्रो. पी. एस. पाटील, प्रो. वसुंधरा पाटील छात्रों और छात्र प्रतिनिधियों का उपहार और गुलदस्ते देकर स्वागत किया गया। राजरत्न पाईकराव ने गीत गाया। जिला परियोजना समन्वयक संदीप कोल्हे, काउंसलर सखी दिनेश पाटील, कृतिका जोशी, प्रो. दामकोंडवार, प्रो. नवारखेल, प्रो. अजय यादव, प्रो. मंगनाले, प्रो. कोल्हे, प्रो. शेख जावेद, प्रो. तड़वी पठान, प्रो. लाबडे, प्रो. समलेट्टी, प्रो. मुधोलकर, पासरे, कूरे, कैलाश अन्य अधिकारी एवं कर्मचारी तथा बड़ी संख्या में विद्यार्थी उपस्थित थे। कार्यक्रम का संचालन छात्रा श्रुति कोटकर ने किया तथा धन्यवाद ज्ञापन छात्रा राधा पाटील ने दिया।

Constitution Day Rally

9.6 Alumni Performance and Connect (10)

Institute is comparatively newer and formation of Alumni association is in process.

Expert lecture Engaged by Passout student on Interview techniques



Declaration by the Head of Institution

महाराष्ट्र शासन
शासकीय तंत्रनिकेतन, हिंगोली
पी-९, MIDC, लिंबाळा, हिंगोली ४३१५१३
Telephone No. 02456-248041/42 Email ID: principal.gphingoli@dtemaharashtra.gov.in Website: www.gphingoli.in

जा.क्र.शातंनिहिं/NBA/२०२५/19 दि. 02/08/2025

Declaration

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.

It is submitted that information provided in this Self-Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Head of the Institute
Name: Bhaskarrao Pundlikrao Deosarkar
Designation: I/c Principal and HOD Electronics
Signature:

Seal of the Institute