

PLANNING MONITORING & CONTINUING STUDIES

INFORMATION BOOKLET

1. INTRODUCTION

Planning, Monitoring and Continuing Studies is a strategic academic support system established to ensure effective planning, implementation, monitoring, and continuous improvement of all academic activities within the Institute. The PMCS framework facilitates systematic academic governance by coordinating semester planning, monitoring teaching-learning processes, assessing academic progress, and promoting continuous professional development among faculty members.

Academic planning and monitoring are essential for maintaining quality standards, achieving institutional objectives, and ensuring a sustainable academic environment. The PMCS process promotes transparency, accountability, and effective communication among all stakeholders, thereby enhancing institutional effectiveness and student success.

The PMCS office acts as a central coordinating body for academic planning, execution, monitoring and continuous improvement activities throughout the academic year. In the context of modern education, Planning, Monitoring, and Continuing Studies function as an interconnected, continuous loop. Together, they ensure that educational systems, institutions, and individual learners remain relevant, efficient, and aligned with global standards. In engineering education, Planning, Monitoring, and Continuing Studies form the structural backbone that keeps academic programs aligned with rapid technological breakthroughs, industrial demands, and global accreditation standards (such as the Washington Accord or ABET). Because engineering concepts translate directly into public safety, infrastructure, and innovation, these three pillars ensure that what is taught in the classroom matches what is required in the field. Planning in engineering education is highly strategic and forward-looking. It bridges the gap between theoretical science and industry application.

- **Curriculum Mapping & Industrial Alignment:** Engineering fields evolve rapidly (e.g., the sudden rise of AI, quantum computing, and green energy). Planning involves rewriting curricula so students graduate with relevant skills.
- **Outcome-Based Education (OBE) Design:** Unlike traditional education, engineering planning relies heavily on OBE. Planners define Program Educational Objectives (PEO's)—what graduates are expected to achieve 3–5 years after graduation—and Program Outcomes (PO's)—the skills they must possess upon graduation.
- **Infrastructure and Lab Planning:** Engineering requires heavy capital investment. Planning dictates the budgeting for advanced software licenses (like MATLAB, CAD, or Ansys), robotics labs, fabrication spaces (maker spaces), and safety equipment.

Monitoring ensures that the planned curriculum is effectively delivered and that students are actually achieving the required technical competencies.

Accreditation Compliance: Continuous monitoring is mandatory for maintaining accreditation. Programs must document proof that students are mastering complex engineering problem-solving.

Course Outcome (CO) Attainment: Every exam, project, and lab experiment is mapped to specific Course Outcomes. Monitoring involves using data analytics to see exactly where students are struggling.

Feedback Loops: Gathering data from student course evaluations, internship provider surveys, and alumni feedback to track if the teaching methods are yielding real-world competency. An engineer's education does not end at graduation. Due to the blistering pace of technology, "half-life of engineering knowledge" is shrinking, making continuing education vital.

Professional Upgrading (Lifelong Learning): Professional Engineers (PEs) or Chartered Engineers (CEng) are often legally required to earn a specific number of Continuing Professional Development (CPD) credits or Professional Development Hours (PDH) each year to maintain their licenses.

Micro-credentials and Specializations: Continuing studies allow working engineers to pivot or specialize without committing to a full 2-to-4-year degree. Examples include short courses or certifications in cloud architecture, cyber-physical systems, or sustainable construction.

Faculty Development Programs (FDP's): Engineering professors must also participate in continuing studies. To teach cutting-edge engineering, faculty must regularly return to the industry or attend specialized workshops to learn new methodologies and technologies.

2. Objectives of PMCS

The primary objectives of Planning, Monitoring and Continuing Studies are:

Academic Planning

- To ensure quality teaching-learning processes across all departments.
- To ensure proper academic planning before the commencement of every semester.
- To facilitate effective scheduling of lectures, practical sessions, and academic activities.
- To promote the use of innovative pedagogical practices and teaching methodologies.
- To ensure holistic development of students through curricular, co-curricular, extracurricular activities.

Monitoring

- To monitor effective teaching-learning throughout the semester.
- To ensure fair and continuous assessment practices.
- To evaluate academic performance and learning outcomes.
- To integrate stakeholder feedback for continuous quality improvement.
- To ensure compliance with academic regulations and institutional policies.

Continuing Studies

- To encourage faculty members to pursue higher education and research.
- To promote participation in Faculty Development Programs (FDP's), Workshops, STTP's, MOOC's, QIP's, and other professional development activities.
- To enhance faculty competencies through continuous learning initiatives.

Characteristic	Goal	Key Activities	Focus	Outcome	Innovation
Academic Planning	Ensure quality teaching-learning	Proper academic planning	Effective scheduling	Holistic student development	Promote innovative practices
Academic Monitoring	Monitor effective teaching-learning	Fair and continuous assessment	Stakeholder feedback	Compliance with regulations	Evaluate academic performance
Continuing Studies	Encourage faculty development	Participate in professional development	Enhance faculty competencies	Promote research	Promote participation

Figure 1: Objectives of PMCS

3. PMCS Functional Framework:

The PMCS framework consists of three major domains:

Academic Calendar Preparation

Academic Calendar Preparation is the process of planning and organizing the academic year's schedule. It includes setting important dates such as the commencement of classes, examinations, holidays, semester breaks, admissions, registration periods, academic events, and result announcements. The calendar serves as a roadmap for students, faculty, and administrators, ensuring smooth and timely execution of academic activities throughout the year.

Course Allotment

Course Allotment is the process of assigning courses to faculty members based on their qualifications, expertise, teaching experience, workload, and departmental requirements. It ensures that each course is handled by the most suitable instructor, enabling effective curriculum delivery and maintaining academic

quality. The process involves balancing faculty workloads, accommodating scheduling constraints, and aligning course assignments with institutional objectives and student learning outcomes.

Timetable Preparation

Timetable Preparation is the process of systematically scheduling classes, laboratories, tutorials, and other academic activities within a semester. It involves allocating time slots, classrooms, laboratories, and faculty members while considering curriculum requirements, faculty availability, student needs, and institutional policies. A well-designed timetable ensures the smooth conduct of academic activities, minimizes scheduling conflicts, and optimizes the utilization of available resources.

- Efficient scheduling of classes and academic activities
- Optimal utilization of classrooms, laboratories, and faculty resources
- Reduced timetable conflicts and overlaps
- Improved coordination among departments and faculty
- Enhanced learning experience for students
- Smooth and organized academic operations throughout the semester

Schedule of Instructions

The Schedule of instructions is a comprehensive academic plan that outlines the sequence, duration, and delivery of instructional activities for a course or program during a semester. It includes details such as course topics, learning objectives, teaching methods, assessment schedules, practical sessions, assignments, and important academic milestones. The schedule of instructions serves as a roadmap for faculty and students, ensuring that the curriculum is covered systematically and learning outcomes are achieved within the prescribed timeframe.

Examination Scheduling

Examination Scheduling is the process of planning and organizing examination timetables for academic programs in a systematic and efficient manner. It involves determining examination dates, time slots, venues, and invigilator assignments while considering course requirements, student enrollment, faculty availability, and institutional guidelines. Effective examination scheduling ensures the smooth conduct of assessments minimizes conflicts and provides students with a fair and organized examination experience.

Project Work Planning

Project Work Planning is the process of organizing, scheduling, and managing academic projects to ensure their successful completion within the prescribed timeframe. It involves defining project objectives, scope, milestones, timelines, resource requirements, and evaluation criteria. The planning process also includes assigning project guides, monitoring progress, and ensuring alignment with academic and industry standards. Effective project work planning helps students develop research, analytical, problem-solving, and project management skills while achieving the intended learning outcomes.

Attendance Monitoring

Attendance Monitoring is the process of systematically tracking and analyzing student attendance in classes, laboratories, tutorials, and other academic activities. It helps ensure student participation, compliance with institutional attendance policies, and timely identification of attendance-related issues. Regular monitoring enables faculty and administrators to take corrective measures, provide academic support, and improve student engagement and retention. Effective attendance monitoring contributes to better academic performance and overall student success.

Class Incharge Diary Verification

Class In-charge Diary Verification is the process of reviewing and validating the records maintained by class in-charges regarding academic and student-related activities. The diary typically contains details such as attendance records, syllabus coverage, student performance, counseling sessions, disciplinary matters, parent interactions, and co-curricular activities. Regular verification ensures that records are accurate, complete, and updated in accordance with institutional guidelines. It also helps monitor academic progress, identify student concerns, and maintain accountability in class management.

Syllabus Coverage Monitoring

Syllabus Coverage Monitoring is the systematic process of tracking the completion of the prescribed syllabus within a course or semester. It ensures that all topics outlined in the curriculum are taught within the scheduled timeframe. Faculty members regularly update the status of syllabus delivery, and academic coordinators review this progress to ensure timely completion. This process helps maintain academic

discipline, ensures uniform coverage across sections, and supports effective preparation for examinations and learning outcomes.

Teaching pedagogy

Teaching pedagogy is the process of reviewing and validating academic presentations prepared by faculty members or students to ensure quality, accuracy and alignment with the prescribed syllabus. It involves checking the content for correctness, relevance, completeness, and adherence to institutional standards such as formatting, learning objectives, and instructional design. This process ensures that the teaching materials are effective, engaging, and suitable for classroom delivery.

Project Monitoring

Project Monitoring is the continuous process of tracking, reviewing, and evaluating the progress of student or academic projects to ensure they are being completed according to the planned objectives, timeline, and quality standards. It involves regular check-ins by faculty guides or coordinators to assess milestones, verify progress reports, and provide feedback for improvement. This process helps ensure that projects remain on track, meet academic requirements, and achieve desired learning outcomes.

Laboratory Worksheet Evaluation

Laboratory Worksheet Evaluation is the process of assessing students' lab records, worksheets, and experimental reports to ensure understanding of practical concepts and correct application of theoretical knowledge. It involves checking the accuracy of observations, calculations, diagrams, procedures, and conclusions recorded during laboratory sessions. Faculty evaluates these worksheets based on predefined criteria such as completeness, correctness, presentation, and adherence to experimental guidelines. This process helps reinforce practical learning and ensures that students actively engage in hands-on experiments.

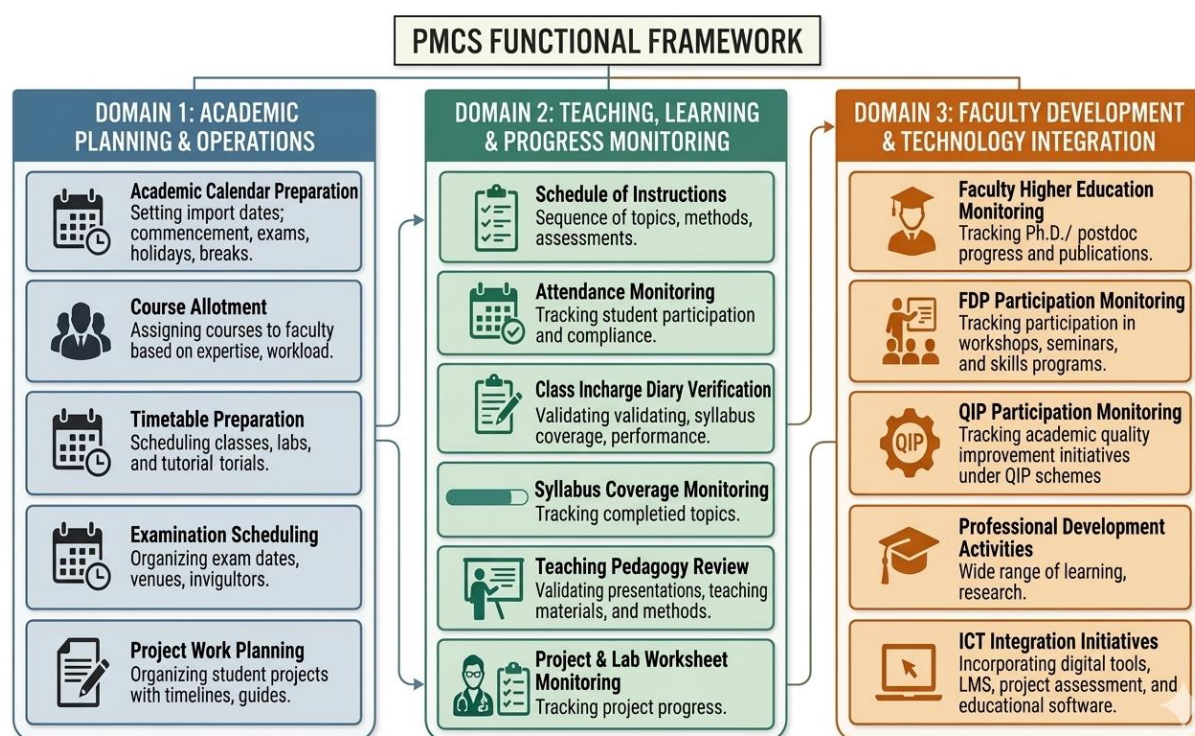


Figure 2: PMCS Functional Frame work

Faculty Higher Education Monitoring

Faculty Higher Education Monitoring is the structured process of tracking and supporting faculty members who are pursuing higher studies such as Ph.D., postdoctoral research, certifications, or other advanced academic qualifications. It involves monitoring their academic progress, research activities, course completion, publications, and adherence to institutional policies while they are engaged in higher education. This process ensures that faculty development aligns with institutional goals and contributes to improved teaching quality and research output.

FDP Participation Monitoring

Faculty Development Program Participation Monitoring is the process of tracking and documenting faculty involvement in various professional development programs such as workshops, training sessions, seminars, conferences, and skill enhancement courses. It ensures that faculty members actively participate in FDPs to update their knowledge, improve teaching methodologies, and stay aligned with current academic and industry trends. This monitoring process also includes verifying participation certificates, program duration, and relevance to academic growth and institutional objectives.

QIP Participation Monitoring

Quality Improvement Program Participation Monitoring is the systematic process of tracking faculty involvement in approved academic development programs such as higher education courses, research training, advanced certifications, workshops, and industry-oriented learning initiatives under quality improvement schemes. It ensures that faculty members are actively engaged in programs that enhance their academic qualifications, teaching effectiveness, and research capabilities. The monitoring process includes verifying participation records, duration of programs, institutional approvals, and outcomes achieved through these initiatives.

Professional Development Activities

Professional Development Activities refer to a wide range of structured learning and growth opportunities undertaken by faculty members to enhance their academic, pedagogical, research, and industry-related competencies. These activities include participation in workshops, seminars, conferences, Faculty Development Programs (FDP's), Quality Improvement Programs (QIP's), certifications, training sessions, research publications, industry collaborations, and skill enhancement courses. The primary goal is to continuously update knowledge, adopt innovative teaching practices, and stay aligned with evolving academic and technological advancements.

ICT Integration Initiatives

Information and Communication Technology Integration Initiatives refer to the systematic incorporation of digital tools, technologies, and platforms into the teaching-learning and administrative processes of an educational institution. These initiatives aim to enhance the effectiveness, accessibility, and engagement of education by using tools such as smart classrooms, Learning Management Systems (LMS), digital content, online assessments, virtual labs, and educational software. Faculties are encouraged to adopt ICT-enabled teaching methods to make learning more interactive, student-centered, and outcome-driven. These initiatives also support efficient academic management, communication, and data-driven decision-making.

4. Academic Calendars:

At the beginning of every academic year, the PMCS office prepares and circulates the Academic Calendar to all departments at least one month before the commencement of the semester.

Academic Calendar includes:

Commencement of Semester

Commencement of Semester refers to the formal beginning of an academic term in an educational institution. It marks the start of teaching-learning activities, including orientation programs, course introductions, distribution of syllabi, and preparation of academic schedules. During this phase, faculty members introduce course objectives, learning outcomes, evaluation methods, and instructional plans to students. It also involves finalizing timetables, confirming course allotments, and ensuring that all academic and administrative arrangements are in place for smooth execution of the semester.

Semester Closure Dates

Semester Closure Dates refer to the officially scheduled end of an academic semester after the completion of all instructional activities, internal assessments, laboratory work, assignments, and examinations. This phase marks the conclusion of teaching-learning processes and the transition to result processing, academic evaluation, and preparation for the next semester. It also includes submission of final grades, completion of academic records, and review of syllabus coverage and student performance. Proper planning of closure dates ensures smooth academic wrap-up and timely progression to the next academic cycle.

Continuous Internal Evaluation (CIE) Schedule

The Continuous Internal Evaluation Schedule is a structured plan that outlines the timing and conduct of all internal assessments carried out during a semester. It includes schedules for tests, quizzes, assignments, presentations, laboratory evaluations, and other formative assessment components. The CIE schedule ensures that evaluations are conducted periodically and systematically throughout the semester rather than at

the end, enabling continuous tracking of student learning progress. It also helps faculty coordinate assessments without disrupting regular teaching activities.

Semester End Examination (SEE) Schedule

The Semester End Examination Schedule is a structured timetable that defines the dates, time slots and venues for conducting final examinations at the end of an academic semester. It is prepared based on the academic calendar and ensures proper coordination among departments, faculty, and examination cells. The schedule is designed to avoid clashes between courses, provide adequate preparation gaps for students, and ensure smooth and fair conduct of examinations. It also includes guidelines for invigilation duties and examination procedures.

Practical Examination Schedule

The Practical Examination Schedule is a structured timetable that outlines the dates, time slots, batch-wise allocation, and laboratory venues for conducting practical examinations. It is prepared to ensure smooth coordination between students, faculty examiners, lab assistants, and departments. The schedule considers laboratory availability, student group divisions, experiment requirements, and external/internal examiner assignments. It ensures that practical assessments are conducted in an organized, fair, and efficient manner without overlapping with other academic activities.



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDARS: 2026 – 27

B. TECH III AND IV SEMESTER

Month	Week	Mon	Tue	Wed	Thur	Fri	Sat	Sun	No. of Academic days	Holidays / Events
JULY	--			1	2	3	4	5	--	
	01	6	7	8	9	10	11	12	6	06/07/2026-Commencement of V Semester Classwork
	02	13	14	15	16	17	18	19	6	
	03	20	21	22	23	24	25	26	6	
	04	27	28	29	30	31			5	
AUGUST	04						1	2	1	
	05	3	4	5	6	7	8	9	6	
	06	10	11	12	13	14	15	16	4	10-Bonalu, 15-Independence Day
	07	17	18	19	20	21	22	23	6	
	08	24	25	26	27	28	29	30	5	26-Eid Miladun Nabi
SEPTEMBER	--	31							1	
	--		1	2	3	4	5	6	--	CIE-I: 01/09/2026 to 08/09/2026 4-Sri Krishna Astami
	09	7	8	9	10	11	12	13	4	
	09	14	15	16	17	18	19	20	5	14-Vinayaka Chavithi
	10	21	22	23	24	25	26	27	6	
OCTOBER	11	28	29	30					3	
	11				1	2	3	4	2	2-Mahatma Gandhi Jayanthi
	12	5	6	7	8	9	10	11	6	
	13	12	13	14	15	16	17	18	3	
	14	19	20	21	22	23	24	25	4	20-Vijaya Dasami / Dushera
NOVEMBER	15	26	27	28	29	30	31		6	31/10/2026- End of V Semester
	--							1	--	
	--	2	3	4	5	6	7	8	-	CIE-II: 02/11/2026 to 07/11/2026
	--	9	10	11	12	13	14	15	--	Preparations Holidays: 09/11/2026 to 11/11/2026

										SEE: 12/11/2026 to 25/11/2026
	--	16	17	18	19	20	21	22	--	Practical's: 26/11/2026 to 01/12/2026
	--	23	24	25	26	27	28	29	--	24-Kartika Purnima / Guru Nanak's Birthday
	--	30							--	
DECEMBER	--		1	2	3	4	5	6	--	02/12/2026-Commencement of VI Semester Classwork
	01	7	8	9	10	11	12	13	6	
	02	14	15	16	17	18	19	20	6	
	03	21	22	23	24	25	26	27	5	25-Christmas
	04	28	29	30	31				4	
JANUARY	04					1	2	3	2	
	05	4	5	6	7	8	9	10	6	
	--	11	12	13	14	15	16	17	--	13-Bhogi, 14-Makar Sankranti/Pongal
	06	18	19	20	21	22	23	24	6	
	07	25	26	27	28	29	30	31	5	26-Republic Day
FEBRUARY	08	1	2	3	4	5	6	7	2	CIE-I: 03/02/2027 to 09/02/2027
	09	8	9	10	11	12	13	14	4	
	09	15	16	17	18	19	20	21	6	
	10	22	23	24	25	26	27	28	6	
MARCH	11	1	2	3	4	5	6	7	5	06- Maha Shivaratri
	12	8	9	10	11	12	13	14	5	10- Eid-UI-Fitr (Ramzan)
	13	15	16	17	18	19	20	21	6	
	14	22	23	24	25	26	27	28	4	22-Holi, 26- Good Friday
	15	29	30	31					3	31/03/2026- End of VI Semester
APRIL	--				1	2	3	4	--	CIE-II: 01/04/2027 to 10/04/2027 02- Good Friday
	--	5	6	7	8	9	10	11	--	05- Babu Jagjivan Ram Jayanti, 08- Ugadi
		12	13	14	15	16	17	18		Preparations Holidays: 12/04/2027 to 15/04/2027 SEE: 16/04/2027 to 28/05/2027 14-Dr. B. R. Ambedkar's Birthday,15-Sri Rama Navami
		19	20	21	22	23	24	25		
		26	27	28	29	30				Practical's: 29/04/2027 to 06/05/2027
							1	2		
MAY		3	4	5	6	7	8	9		
		10	11	12	13	14	15	16		
		17	18	19	20	21	22	23		
		24	25	26	27	28	29	30		
		31								

Note: Total No. of working days: 91 days for Odd semester (15 weeks), 89 days for Even semester (15 weeks).

Color Code Used:	
	Starting and Ending of Working day
	Holidays
	Continuous Internal Examinations (CIE)
	Preparation Holidays
	Summer Vacation
	Semester End Examinations (SEE)
	Commencement of Field Project



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ACADEMIC CALENDAR: 2026 – 27

B. TECH V AND VI SEMESTER

Month	Week	Mon	Tue	Wed	Thur	Fri	Sat	Sun	No. of Academic days	Holidays / Events
JULY	--			1	2	3	4	5	--	
	01	6	7	8	9	10	11	12	6	06/07/2026-Commencement of III and V Semester Classwork
	02	13	14	15	16	17	18	19	6	
	03	20	21	22	23	24	25	26	6	
	04	27	28	29	30	31			5	
AUGUST	04						1	2	1	
	05	3	4	5	6	7	8	9	6	
	06	10	11	12	13	14	15	16	4	10-Bonalu, 15-Independence Day
	07	17	18	19	20	21	22	23	6	
	08	24	25	26	27	28	29	30	5	26-Eid Miladun Nabi
SEPTEMBER	--	31							1	
	--		1	2	3	4	5	6	--	CIE-I: 01/09/2026 to 08/09/2026 4-Sri Krishna Astami
	09	7	8	9	10	11	12	13	4	
	09	14	15	16	17	18	19	20	5	14-Vinayaka Chavithi
	10	21	22	23	24	25	26	27	6	
OCTOBER	11	28	29	30					3	
	11				1	2	3	4	2	2-Mahatma Gandhi Jayanthi
	12	5	6	7	8	9	10	11	6	
	13	12	13	14	15	16	17	18	3	
	14	19	20	21	22	23	24	25	4	20-Vijaya Dasami / Dushera
NOVEMBER	15	26	27	28	29	30	31		6	31/10/2026- End of III and V Semester
	--							1	--	
	--	2	3	4	5	6	7	8	6	CIE-II: 02/11/2026 to 07/11/2026
	--	9	10	11	12	13	14	15	--	Preparations Holidays: 09/11/2026 to 14/11/2026 SEE: 16/11/2026 to 28/11/2026
	--	16	17	18	19	20	21	22	--	Practical's: 30/11/2026 to 05/12/2026
DECEMBER	--	23	24	25	26	27	28	29	--	24-Kartika Purnima / Guru Nanak's Birthday
	--	30							--	
	--		1	2	3	4	5	6	--	
	01	7	8	9	10	11	12	13	6	07/12/2026-Commencement of IV and VI Semester Classwork
	02	14	15	16	17	18	19	20	6	
JANUARY	03	21	22	23	24	25	26	27	5	25-Christmas
	04	28	29	30	31				4	
	04					1	2	3	2	
	05	4	5	6	7	8	9	10	6	
	06	11	12	13	14	15	16	17	--	11/01/2026 to 16/01/2026 – Pongal Vacation 13-Bhogi, 14-Makar Sankranti/Pongal
JANUARY	07	18	19	20	21	22	23	24	6	
	08	25	26	27	28	29	30	31	5	26-Republic Day

FEBRUARY	09	1	2	3	4	5	6	7	1	CIE-I: 01/02/2027 to 05/02/2027
	09	8	9	10	11	12	13	14	6	
	10	15	16	17	18	19	20	21	6	
	11	22	23	24	25	26	27	28	6	
MARCH	12	1	2	3	4	5	6	7	5	06- Maha Shivaratri
	13	8	9	10	11	12	13	14	5	10- Eid-UI-Fitr (Ramzan)
	14	15	16	17	18	19	20	21	6	
	15	22	23	24	25	26	27	28	4	22-Holi, 26- Good Friday
	15	29	30	31					2	30/03/2027- End of IV and VI Semester CIE-II: 31/03/2027 to 07/04/2027
APRIL	--				1	2	3	4	--	02- Good Friday
	-	5	6	7	8	9	10	11	--	05- Babu Jagjivan Ram Jayanti, 08- Ugadi Preparations Holidays: 08/04/2027 to 12/04/2027
		12	13	14	15	16	17	18	--	SEE: 13/04/2027 to 26/04/2027 14-Dr. B. R. Ambedkar's Birthday, 15-Sri Rama Navami
		19	20	21	22	23	24	25	--	
		26	27	28	29	30			--	Practical's: 27/04/2027 to 30/04/2027
							1	2	--	
MAY		3	4	5	6	7	8	9		
		10	11	12	13	14	15	16		
		17	18	19	20	21	22	23		
		24	25	26	27	28	29	30		
		31								

Note: Total No. of working days: 85 days for Odd semester (15 weeks), 83 days for Even semester (15 weeks).

Color Code Used:	
	Starting and Ending of Working day
	Holidays
	Continuous Internal Examinations (CIE)
	Preparation Holidays
	Summer Vacation
	Semester End Examinations (SEE)
	Commencement of Field Project



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ACADEMIC CALENDER 2026-27

B. TECH III | IV | V | VI Semesters

III & V Semesters

01 May, 2026

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	06.07.2026		
2	1 st spell of instructions	06.07.2026	29.08.2026	08 weeks
3	Continuous internal examinations - I	31.08.2026	05.09.2026	01 week
4	2 nd spell of instructions (Including Dusshera Recess)	07.09.2026	31.10.2026	08 weeks
5	Dussehra holidays	19.10.2026	24.10.2026	01 week
6	Continuous internal examinations - II	02.11.2026	07.11.2026	01 week
7	Preparation Holidays	09.11.2026	14.11.2026	01 week
8	Semester end examinations	16.11.2026	28.11.2026	02 weeks
9	Practical examinations	30.11.2026	05.12.2026	01 week
10	Commencement of next semester classwork	07.12.2026		

IV & VI Semesters

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	07.12.2026		
2	1 st spell of instructions (Including Pongal Vacation)	07.12.2026	30.01.2027	08 weeks
3	Pongal Vacation	11.01.2027	16.01.2027	01 week
4	Continuous internal examinations – I	01.02.2027	06.02.2027	01 week
5	2 nd spell of instruction	08.02.2027	03.04.2027	08 weeks
6	Continuous internal examinations – II	06.04.2027	13.04.2027	01 week
7	Preparation Holidays	14.04.2027	17.04.2027	01 week
8	Semester end examinations	21.04.2027	30.04.2027	02 weeks
9	Practical examinations	01.05.2027	05.05.2027	01 week

DEAN - PMCS

PRINCIPAL



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ACADEMIC CALENDAR: 2026 – 27

B.TECH VII AND VIII SEMESTER

Month	Week	Mon	Tue	Wed	Thur	Fri	Sat	Sun	No. of Academic days	Holidays / Events
JULY	--			1	2	3	4	5	--	
	01	6	7	8	9	10	11	12	6	06/07/2026- Commencement of VII Semester Classwork
	02	13	14	15	16	17	18	19	6	
	03	20	21	22	23	24	25	26	6	
	04	27	28	29	30	31			5	
AUGUST	04						1	2	1	
	05	3	4	5	6	7	8	9	6	
	06	10	11	12	13	14	15	16	4	10-Bonalu, 15-Independence Day
	07	17	18	19	20	21	22	23	6	
	08	24	25	26	27	28	29	30	5	26-Eid Miladun Nabi
	08	31							1	
SEPTEMBER			1	2	3	4	5	6	0	CIE-I: 01/09/2026 to 08/09/2026 4-Sri Krishna Astami
	09	7	8	9	10	11	12	13	4	
	09	14	15	16	17	18	19	20	5	14-Vinayaka Chavithi
	10	21	22	23	24	25	26	27	6	
	11	28	29	30					3	
OCTOBER	11				1	2	3	4	2	2-Mahatma Gandhi Jayanthi
	12	5	6	7	8	9	10	11	6	
	13	12	13	14	15	16	17	18	3	
	14	19	20	21	22	23	24	25	4	20-Vijaya Dasami / Dushera
	15	26	27	28	29	30	31		6	31/10/2026- End of VII Semester
NOVEMBER	--							1	--	
	--	2	3	4	5	6	7	8	6	CIE-II: 02/11/2026 to 07/11/2026
	--	9	10	11	12	13	14	15	--	Preparations Holidays: 09/11/2026 to 11/11/2026 SEE Theory: 12/11/2026 to 25/11/2026
	--	16	17	18	19	20	21	22	--	
	--	23	24	25	26	27	28	29	--	Practicals including viva-voces: 26/11/2026 to 30/11/2026 24-Kartika Purnima / Guru Nanak's Birthday
	--	30							--	
	--								--	
DECEMBER	01		1	2	3	4	5	6	4	02/12/2026- Commencement of VIII Semester Classwork
	01	7	8	9	10	11	12	13	6	
	02	14	15	16	17	18	19	20	6	
	03	21	22	23	24	25	26	27	5	25-Christmas
	04	28	29	30	31				4	
JANUARY	04					1	2	3	2	
	05	4	5	6	7	8	9	10	6	
	--	11	12	13	14	15	16	17	0	13-Bhogi, 14-Makar Sankranti / Pongal
	06	18	19	20	21	22	23	24	6	
	07	25	26	27	28	29	30	31	5	26-Republic Day

FEBRUARY	08	1	2	3	4	5	6	7	2	CIE-I:04/02/2027 to 06/02/2027
	09	8	9	10	11	12	13	14	3	
	00	15	16	17	18	19	20	21	6	
	11	22	23	24	25	26	27	28	6	
MARCH	12	1	2	3	4	5	6	7	5	06-Maha Shivaratri
	13	8	9	10	11	12	13	14	5	10-Eid-UI-Fitr (Ramzan)
	14	15	16	17	18	19	20	21	6	
	15	22	23	24	25	26	27	28	4	22-Holi, 26-Good Friday 27/03/2027 - End of VIII Semester Classwork
	-	29	30	31					-	CIE-II: 29/03/2027 to 31/03/2027
APRIL	-				1	2	3	4	-	02-Good Friday Preparations Holidays: 01/04/2027 to 03/04/2027
	-	5	6	7	8	9	10	11	-	05-Babu Jagjivan Ram Jayanti, 08-Ugadi SEE:06/04/2027 to 12/04/2027
	-	12	13	14	15	16	17	18	-	Capstone Project Viva-voce: 13/04/2027 to 17/04/2027 14-Dr. B R Ambedkar's Birthday, 15-Sri Rama Navami
	-	19	20	21	22	23	24	25		
	-	26	27	28	29	30				

Note: Total No. of working days: 85 days for Odd semester (15 weeks), 81 days for Even semester (15 weeks).

Color Code Used:	
	Starting and Ending of Working day
	Holidays
	Continuous Internal Examinations (CIE)
	Preparation Holidays
	Summer Vacation
	Semester End Examinations (SEE)
	Commencement of Field Project



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDER 2026-27

B.Tech VII and VIII Semesters

VII Semester

01 May, 2026

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	06.07.2026		
2	1 st spell of instructions	06.07.2026	29.08.2026	08 weeks
3	Continuous internal examinations - I	31.08.2026	05.09.2026	01 week
4	2 nd spell of instructions (Including Dussehra Recess)	07.09.2026	31.10.2026	08 weeks
5	Dussehra Recess	19.10.2026	24.10.2026	01 week
6	Continuous internal examinations - II	02.11.2026	07.11.2026	01 week
7	Preparation Holidays	09.11.2026	14.11.2026	01 week
8	Semester end examinations	16.11.2026	30.11.2026	02 weeks
9	Practical examinations	01.12.2026	05.12.2026	01 week
10	Commencement of next semester classwork	07.12.2026		

VIII Semester

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	07.12.2026		
2	1 st spell of instructions (Including Pongal Vacation)	07.12.2026	30.01.2027	08 weeks
3	Pongal Vacation	11.01.2027	16.01.2027	01 week
4	Continuous internal examinations - I	01.02.2027	05.02.2027	01 week
5	2 nd spell of instruction	06.02.2027	01.04.2027	08 weeks
6	Continuous internal examinations - II	06.04.2027	10.04.2027	01 week
7	Preparation Holidays	12.04.2027	17.04.2027	01 week
8	Semester end examinations	19.04.2027	24.04.2027	01 week

DEAN - PMCS

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INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDAR: 2026 – 27

M Tech III AND IV SEMESTER

Month	Week	Mon	Tue	Wed	Thur	Fri	Sat	Sun	No. of Academic days	Holidays / Events
AUGUST							1	2		
	01	3	4	5	6	7	8	9	3	03/08/2026-Commencement of III Semester
	02	10	11	12	13	14	15	16	4	10-Bonalu, 15-Independence Day
	03	17	18	19	20	21	22	23	6	
	04	24	25	26	27	28	29	30	5	26-Eid Miladun Nabi
SEPTEMBER	05	31							1	
	05		1	2	3	4	5	6	4	4-Sri Krishna Astami
	06	7	8	9	10	11	12	13	6	
	07	14	15	16	17	18	19	20	5	14-Vinayaka Chavithi
	08	21	22	23	24	25	26	27	6	
OCTOBER	--	28	29	30					--	CIE-I: 28/09/2026 to 05/10/2026
					1	2	3	4	--	2-Mahatma Gandhi Jayanthi
	09	5	6	7	8	9	10	11	5	
	09	12	13	14	15	16	17	18	6	
	10	19	20	21	22	23	24	25	--	19 October, 2026 to 24 October, 2026 20-Vijaya Dasami / Dushera
NOVEMBER	11	26	27	28	29	30	31		6	
	--							1	--	
	12	2	3	4	5	6	7	8	6	8 – Deepavali
	13	9	10	11	12	13	14	15	6	
	14	16	17	18	19	20	21	22	6	
DECEMBER	15	23	24	25	26	27	28	29	6	24-Kartika Purnima / Guru Nanak's Birthday 28/11/2026 - End of III Semester
	--	30							--	
	--		1	2	3	4	5	6	--	CIE-II: 30/11/2026 to 05/12/2026
	--	7	8	9	10	11	12	13	--	Preparations Holidays: 07/12/2026 to 11/12/2026
	--	14	15	16	17	18	19	20	--	SEE: 12/12/2027 to 26/12/2026
JANUARY	--	21	22	23	24	25	26	27	--	25-Christmas
	01	28	29	30	31				4	28/12/2026-Commencement of IV Semester
	01					1	2	3	2	
	02	4	5	6	7	8	9	10	6	
	03	11	12	13	14	15	16	17	--	11/01/2026 to 16/01/2026 – Pongal Vacation 13-Bhogi, 14-Makar Sankranti/Pongal
FEBRUARY	04	18	19	20	21	22	23	24	6	
	05	25	26	27	28	29	30	31	5	26-Republic Day
	06	1	2	3	4	5	6	7	6	
	07	8	9	10	11	12	13	14	6	
	08	15	16	17	18	19	20	21	6	
MARCH	09	22	23	24	25	26	27	28	2	CIE-I: 22/02/2027 to 25/02/2027
	09	1	2	3	4	5	6	7	5	06- Maha Shivaratri
	10	8	9	10	11	12	13	14	5	10-Eid-UI-Fitr (Ramzan)
	11	15	16	17	18	19	20	21	6	

	12	22	23	24	25	26	27	28	4	22-Holi, 26- Good Friday
	13	29	30	31					3	
APRIL	13				1	2	3	4	2	02- Good Friday
	14	5	6	7	8	9	10	11	4	05- Babu Jagjivan Ram Jayanti, 08- Ugadi
	15	12	13	14	15	16	17	18	3	16/04/2026 - End of IV Semester CIE-II: 17/04/2027 to 21/04/2027 14-Dr. B. R. Ambedkar's Birthday,15-Sri Rama Navami
	15	19	20	21	22	23	24	25	-	Preparations Holidays: 22/04/2027 to 26/04/2027
		26	27	28	29	30			--	SEE: 27/04/2027 to 05/05/2027
MAY							1	2	--	
		3	4	5	6	7	8	9		
		10	11	12	13	14	15	16		
		17	18	19	20	21	22	23		
		24	25	26	27	28	29	30		
		31								

Note: Total No. of working days: 84 days for Odd semester (15 weeks), 75 days for Even semester (15 weeks).

Color Code Used:	
	Starting and Ending of Working day
	Holidays
	Continuous Internal Examinations (CIE)
	Preparation Holidays
	Summer Vacation
	Semester End Examinations (SEE)
	Commencement of Field Project



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDAR 2026-27

M.Tech III and IV Semesters

III Semester

07 May, 2026

S.No	Description	Duration		No of Instructional/ Examinations/ Holidays
		From	To	
1	Commencement of class work	03.08.2026		
2	1 st spell of instructions (Including Dusshera Recess)	03.08.2026	26.09.2026	8 weeks
3	First review – Oral presentation of Dissertation Work Review-II	24.08.2026		
4	Second review – Oral presentation of Dissertation Work Review-II	18.09.2026		
5	Dussehra holidays	19.09.2026	24.09.2026	1 week
6	Continuous internal examinations – I	28.09.2026	05.10.2026	1 week
7	2 nd spell of instructions	06.10.2026	28.11.2026	8 weeks
8	Third review – Oral presentation of Dissertation Work Review-II	30.10.2026		
9	Fourth review – Oral presentation of Dissertation Work Review-II	20.11.2026		
10	Continuous internal examinations – II	30.11.2026 to 05.12.2026		
11	Preparation holidays	07.12.2026 to 11.12.2026		
12	Semester end examinations	12.12.2026 to 22.12.2026		
13	End of III semester Dissertation Work Review-II	23.12.2026 to 26.12.2026		
14	Commencement of next semester class work	28.12.2026		

IV Semester

S.No	Description	Duration		No of Instructional/ Examinations/ Holidays
		From	To	
1	Commencement of IV semester Dissertation Work Review-III	28.12.2026		
2	First review – Oral presentation of Dissertation Work Review-III	22.01.2027	23.01.2027	02 days
3	Second review – Oral presentation of Dissertation Work Review-III	12.02.2027	13.02.2027	02 days
4	Third review – Oral presentation of Dissertation Work Review-III	11.03.2027	12.03.2027	02 days
5	Fourth review – Oral presentation of Dissertation Work Review-III	30.03.2027	31.03.2027	02 days
6	Submission of Dissertation Work Review-III Thesis Report	09.04.2027	10.04.2027	02 days
7	End of IV semester Dissertation Work Review-III	16.04.2027		
8	Semester end examinations Dissertation viva-voce	19.04.2027		



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDAR: 2026 – 27

MBA III AND IV SEMESTER

Month	Week	Mon	Tue	Wed	Thur	Fri	Sat	Sun	No. of Academic days	Holidays / Events
AUGUST							1	2		
	01	3	4	5	6	7	8	9	6	03/08/2026-Commencement of III Semester
	02	10	11	12	13	14	15	16	4	10-Bonalu, 15-Independence Day
	03	17	18	19	20	21	22	23	6	
	04	24	25	26	27	28	29	30	5	26-Eid Miladun Nabi
	05	31							1	
SEPTEMBER	05		1	2	3	4	5	6	4	4-Sri Krishna Astami
	06	7	8	9	10	11	12	13	6	
	07	14	15	16	17	18	19	20	5	14-Vinayaka Chavithi
	08	21	22	23	24	25	26	27	6	
	--	28	29	30					--	CIE-I: 28/09/2026 to 05/10/2026
OCTOBER					1	2	3	4	--	2-Mahatma Gandhi Jayanthi
	09	5	6	7	8	9	10	11	5	
	10	12	13	14	15	16	17	18	6	
		19	20	21	22	23	24	25	--	19 October, 2026 to 24 October, 2026 20-Vijaya Dasami / Dusshera
	11	26	27	28	29	30	31		6	
NOVEMBER	--							1	--	
	12	2	3	4	5	6	7	8	6	8 – Deepavali
	13	9	10	11	12	13	14	15	6	
	14	16	17	18	19	20	21	22	6	
	15	23	24	25	26	27	28	29	6	24-Kartika Purnima / Guru Nanak's Birthday 28/11/2026 - End of III Semester
		30							--	CIE-II: 30/11/2026 to 05/12/2026
DECEMBER	--		1	2	3	4	5	6	--	
	--	7	8	9	10	11	12	13	--	Preparations Holidays: 07/12/2026 to 12/12/2026
	--	14	15	16	17	18	19	20	--	SEE: 12/04/2027 to 24/04/2026
	--	21	22	23	24	25	26	27	--	25-Christmas Practical Examinations: 26/04/2026
	01	28	29	30	31				4	28/12/2026- Commencement of IV Semester
JANUARY	01					1	2	3	2	
	02	4	5	6	7	8	9	10	6	
	--	11	12	13	14	15	16	17	--	11/01/2026 to 16/01/2026 – Pongal Vacation 13-Bhogi, 14-Makar Sankranti/Pongal
	03	18	19	20	21	22	23	24	6	
	04	25	26	27	28	29	30	31	5	26-Republic Day
FEBRUARY	05	1	2	3	4	5	6	7	6	
	06	8	9	10	11	12	13	14	6	
	07	15	16	17	18	19	20	21	6	
	08	22	23	24	25	26	27	28	6	
MARCH	09	1	2	3	4	5	6	7	1	CIE-I: 01/03/2027 to 04/03/2027 06- Maha Shivaratri
	09	8	9	10	11	12	13	14	5	10- Eid-ul-Fitr (Ramzan)

	10	15	16	17	18	19	20	21	6	
	11	22	23	24	25	26	27	28	4	22-Holi, 26- Good Friday
	12	29	30	31					3	
APRIL	12				1	2	3	4	2	02- Good Friday
	13	5	6	7	8	9	10	11	4	05- Babu Jagjivan Ram Jayanti, 08- Ugadi
	14	12	13	14	15	16	17	18	3	14-Dr. B. R. Ambedkar's Birthday,15-Sri Rama Navami 16/04/2026 - End of IV Semester CIE-II: 17/04/2027 to 21/04/2027
	15	19	20	21	22	23	24	25	-	Preparations Holidays: 22/04/2027 to 26/04/2027
		26	27	28	29	30			--	SEE: 27/04/2027 to 05/05/2027
							1	2	--	
MAY		3	4	5	6	7	8	9		
		10	11	12	13	14	15	16		
		17	18	19	20	21	22	23		
		24	25	26	27	28	29	30		
		31								

Note: Total No. of working days: 84 days for Odd semester (15 weeks), 75 days for Even semester (15 weeks).

Color Code Used:	
	Starting and Ending of Working day
	Holidays
	Continuous Internal Examinations (CIE)
	Preparation Holidays
	Summer Vacation
	Semester End Examinations (SEE)
	Commencement of Field Project



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

ACADEMIC CALENDER 2026-27

MBA III and IV Semesters

III Semester

07 May, 2026

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	03.08.2026		
2	1 st spell of instructions	03.08.2026	26.09.2026	08 weeks
3	Dussehra Recess	19.10.2026	24.10.2026	01 week
4	Continuous internal examinations – I	28.09.2026	05.10.2026	01 week
5	2 nd spell of instructions	06.10.2026	28.11.2026	08 weeks
6	Continuous internal examinations – II	30.11.2026	05.12.2026	01 week
7	Preparation holidays	07.12.2026 to 11.12.2026		
8	Semester end examinations	12.12.2026	24.12.2026	02 weeks
9	Practical examinations	26.12.2026		
10	Commencement of next semester classwork	28.12.2026		

IV SEMESTER

S.No	Description	Duration		Number of weeks
		From	To	
1	Commencement of classwork	28.12.2026		
2	1 st spell of instructions (Including Pongal Vacation)	28.12.2026	20.02.2027	08 weeks
3	Pongal Vacation	11.01.2027	16.01.2027	01 week
3	Continuous internal examinations – I	22.02.2027	25.02.2027	01 week
4	2 nd spell of instructions	26.02.2027	16.04.2027	08 weeks
5	Continuous internal examinations – II	17.04.2027	21.04.2027	01 week
6	Preparation holidays	22.04.2027 to 26.04.2027		
7	Semester end examinations	27.04.2027	05.05.2027	09 days

DEAN-PMCS

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Figure 3: Sample Academic calendars of B.Tech and M.Tech

Holidays and Vacation Periods

Holidays and Vacation Periods refer to the officially designated breaks in the academic calendar during which regular teaching-learning activities are temporarily suspended. These include public holidays, festival holidays, mid-semester breaks, summer vacation, winter vacation, and other institutional breaks. The schedule is planned in advance to ensure that academic activities are not disrupted and that sufficient time is provided for rest, rejuvenation, faculty preparation, and administrative work. These periods also help students manage stress and engage in self-learning or co-curricular activities.

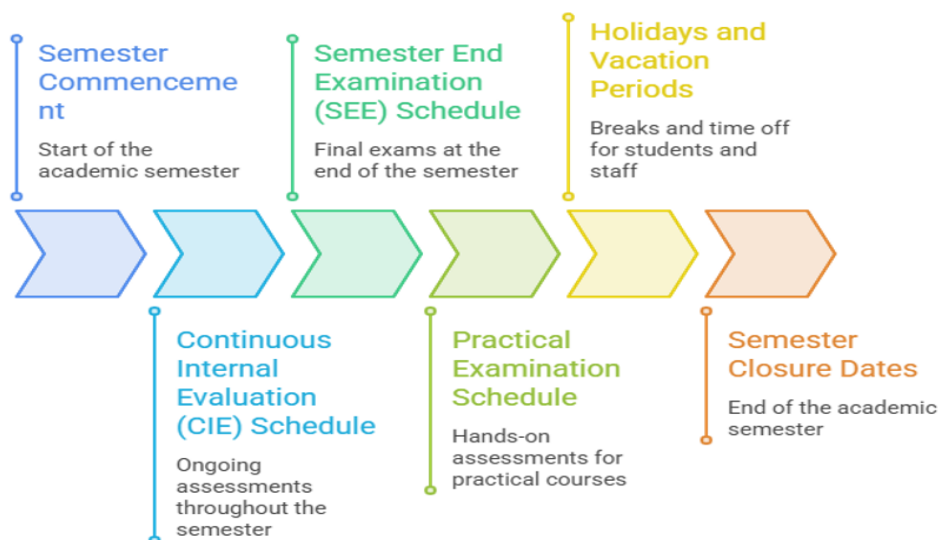


Figure 4: Semester Academic calendar

Academic Events and Activities

Academic Events and Activities refer to a wide range of organized programs conducted by an educational institution to enhance the academic, professional, and personal development of students and faculty. These include seminars, workshops, conferences, guest lectures, webinars, symposiums, hackathons, technical fests, project exhibitions, and academic competitions. Such events provide opportunities for knowledge sharing, skill development, innovation, and interaction with experts from academia and industry. They also complement classroom learning by promoting experiential and collaborative learning environments.

Objectives

- Ensure uniform academic planning.
- Facilitate timely completion of academic activities.
- Avoid conflicts in scheduling.

4. Schedule of Instructions

A Schedule of Instructions also known as a highly detailed Course Syllabus or Lesson Plan is an operational roadmap prepared by individual faculty members before the semester starts. It translates broad curriculum goals into a granular, week-by-week execution plan. It acts as a transparent contract between the instructor and the students regarding what will be taught, when, and how it will be assessed. Each faculty member shall prepare a detailed Schedule of Instructions for all the assigned courses.

Contents of Schedule of Instructions

- Course Outcomes
- Weekly Lecture Plan
- Laboratory Schedule
- Assessment Schedule
- Reference Materials
- Learning Resources

i). Course Outcomes (CO's):

Course Outcomes are explicit statements describing the measurable knowledge, skills, and behaviors a student will acquire by the end of the course.

ii). Weekly Lecture Plan:

This is the chronological heart of the document, mapping out exactly how the semester's contact hours will be spent.

Granularity: Broken down by week (e.g., Week 1 to Week 15) and individual lecture numbers.

Core Information: Specific topic/sub-topic to be covered in that precise hour.

Pedagogy/Teaching Methodology: Note whether the delivery is a traditional chalkboard lecture, flipped classroom, active learning exercise, case study, or group discussion.

Textbook/Reference Tagging: Cross-referencing the specific book chapter or page numbers relevant to that lecture.

Schedule Of Instruction Course Topics

Home / Schedule Of Instruction Course Topics

Course Topics List

Regulation

Branch

Sub Code

BT25

CSE

ACSE01 - Object Oriented Programming

Get Course Topics

Add New Course Topics

Course Topics List with Video Link

Show 10 entries

Search:

Sno.	Topic Type	Topic Title	Sort Order	COs	Action
1	TT	OBE Discussion	0	CO1	🔗
2	TT	Introduction to OOP	1	CO1	🔗
3	TT	Complex systems - Definition and Characteristics	2	CO1	🔗
4	TT	Introduction to OOP five attributes	3	CO1	🔗
5	TT	Hierarchy, abstraction and emergence	4	CO1	🔗
6	TT	Encapsulation and modularity	5	CO1	🔗
7	TT	Evolution of problem-solving	6	CO1	🔗
8	TT	Procedural Programming	7	CO1	🔗
9	TT	Object-oriented thinking	8	CO1	🔗
10	TT	Objects as fundamental building blocks	9	CO1	🔗

Figure 5: Sample of Schedule of Instructions

iii). Laboratory Schedule: For courses with an integrated or co-requisite practical component, this specifies the hands-on execution path. List of experiments to be conducted week-by-week.

Pre-requisites: Mapping the theoretical concepts taught in the lecture plan to ensure students have the required knowledge *before* stepping into the lab.

Deliverables: Expectations for lab manuals, pre-lab preparation, hardware/software tools to be utilized and post-lab viva-voce evaluation.

iv). Assessment Schedule:

This eliminates ambiguity by informing students exactly when and how they will be graded throughout the term.

Formative Assessments: Dates/weeks for internal milestones like Continuous Internal Evaluations (CIE), Mid-semester examinations, surprise quizzes, classroom assignments, or presentations.

Summative Assessment: Tentative dates for Semester End Examinations (SEE), final project submissions, or external practical exams.

Weightage Matrix: Explicitly listing the percentage breakdown (e.g., CIE: 40%, SEE: 60%) alongside rubrics for complex submissions.

v). Reference Materials:

High-quality, peer-reviewed traditional academic texts that students should consult for deeper mastery.

Textbooks: The primary prescribed books that tightly align with the official university syllabus.

Reference Books: Secondary books providing advanced, alternative viewpoints, or highly detailed derivations.

Formatting: Typically structured using standard citation formats (like IEEE or APA) including Author Name, Book Title, Publisher, Edition, and Year of Publication.

vi). Learning Resources:

Modern digital and supplementary tools that complement traditional textbooks to enhance student engagement.

E-Content: Akanksha and Links to official MOOC's (like NPTEL, Coursera, or edX) corresponding to specific course modules.

Multimedia: Instructional video links, lecture slide repositories, simulation software links (e.g., MATLAB, Packet Tracer, CAD tools), and interactive coding platforms.

Research & Case Studies: Open-access journal articles, whitepapers, or industrial case studies relevant to the course's practical application.

Approval Process

The Schedule of instructions shall be approved by the respective Head of Department before implementation.

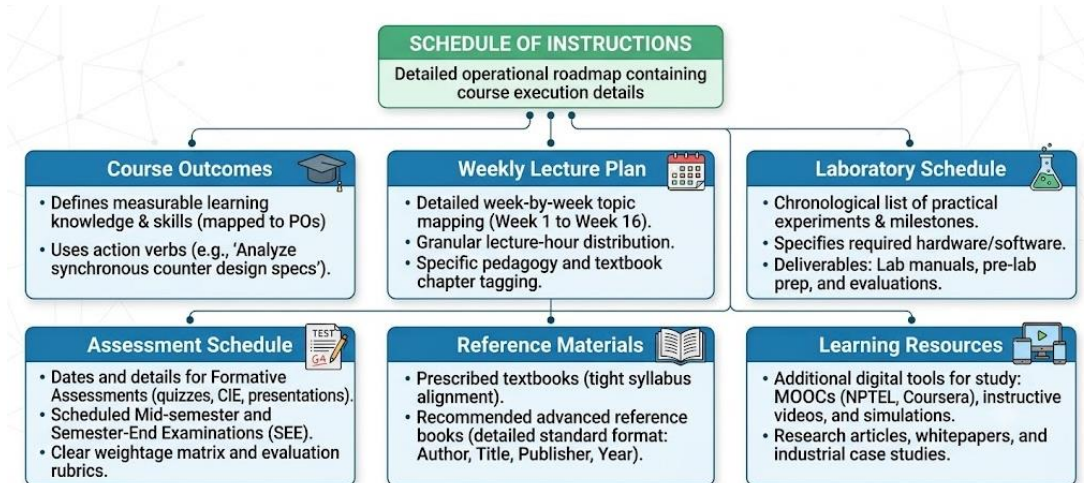


Figure 6: Contents of Schedule of Instructions

5. Examination Schedules

The PMCS office prepares examination schedules for all academic programs.

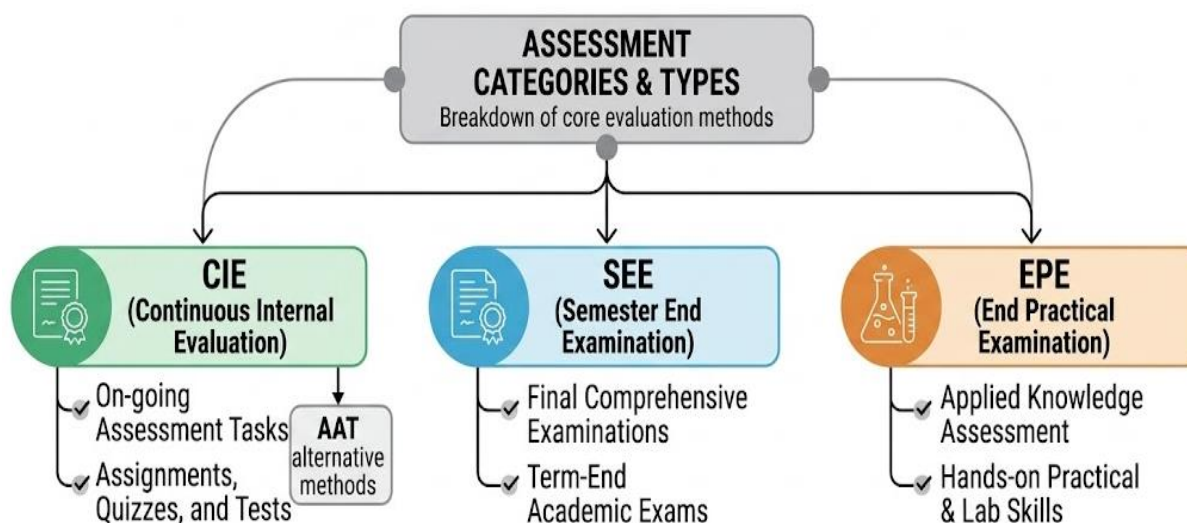


Figure 7: Examination Categories Overview

Examination Categories

Continuous Internal Evaluations (CIE)

Continuous Internal Evaluation (CIE) is a systematic and ongoing assessment process used to measure students' academic performance throughout the semester. It includes various evaluation components such as unit tests, assignments, quizzes, presentations, laboratory work, projects, and other formative assessments. The primary purpose of CIE is to monitor student learning continuously, provide timely feedback, and improve understanding of course content before the final examinations. It also helps faculty identify learning gaps and implement corrective teaching strategies.

INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal - 500 043, Hyderabad, Telangana

Revised Schedule of B.Tech II Semester CIE - II Examinations, June 2026

Regulations: BT25

Timings: 10:15 AM to 12:15 PM

15 March, 2026

Date/Day	Course Code	Course Name	Branch
09-06-2026 Tuesday	AHSE08	Ordinary Differential Equations and Vector Calculus	AE CSE CSE (AI&ML) CSE (DS) ECE IT EEE ME CE
10-06-2026 Wednesday	ACSE05	Data Structures	AE CSE CSE (AI&ML) CSE (DS) ECE IT EEE ME CE
11-06-2026 Thursday	AHSE03	Engineering Chemistry	AE CSE (AI&ML) CSE (DS) ECE EEE ME CE
	AHSE02	Engineering Physics	CSE IT
12-06-2026 Friday	AMEE04	Thermodynamics	AE ME
	ACSE06	AI Foundations	CSE CSE (AI&ML) CSE (DS) IT
	ACSE02	Essentials of Problem Solving	ECE EEE
	ACEE01	Building Planning and Construction	CE
13-06-2026 Saturday	AEEE01	Basic Electrical and Electronics Engineering	AE CSE (AI&ML) CSE (DS) ME CE
	AHSE04	Professional Communication	CSE IT
	AEEE04	Network Analysis and Synthesis	ECE EEE


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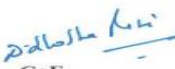
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Figure 8: Schedule of CIE Examinations

Alternative Assessment Tools (AAT)

Alternative Assessment Tools (AAT) refer to non-traditional methods of evaluating student learning that go beyond conventional written examinations. These tools are designed to assess higher-order thinking skills, creativity, practical understanding, and real-world application of knowledge. AAT includes methods such as Tech talks, Concept videos, case studies, open-book experiments. These approaches provide a more comprehensive understanding of student performance by focusing on both process and outcome of learning.

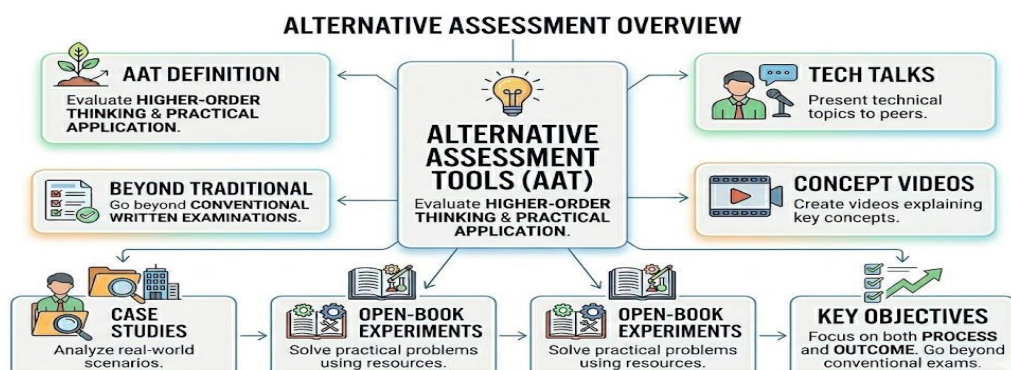


Figure 9: AAT Overview

The following list of AAT components are prepared for the assessment of continuous internal examinations.

Tech Talks (5 Marks)

- Students present a technical topic in a short talk.
- Assessment Criteria:
- Content Accuracy – 3 Marks
- Presentation Skills – 3 Mark
- Clarity & Communication – 2 Mark
- Response to Questions – 2 Mark

All the above content we take an average of 5 marks.

Assignments (5 Marks)

- Written or practical tasks completed individually.
- Assessment Criteria:
- Relevance of Content – 2 Marks
- Organization – 1 Mark
- Creativity/Analysis – 1 Mark
- Timely Submission – 1 Mark

Case Studies (5 Marks)

- Analysis of real-world scenarios.
- Assessment Criteria:
- Problem Identification – 2 Marks
- Analytical Thinking – 1 Mark
- Solution Quality – 1 Mark
- Presentation of Findings – 1 Mark

Definition and Terminology (5 Marks)

- Assessment of key concepts and terminology.
- Assessment Criteria:
- Correct Definitions – 3 Marks
- Proper Usage of Terms – 2 Marks

Quiz (5 Marks)

- Short objective assessment.
- Assessment Criteria:
- Total number of Questions 10,
- Type of Examination is MCQ
- Correct Answers – 0.5 Marks
- Example: 10 Questions × 0.5 Mark Each = 5Marks

Concept Video (5 Marks)

- Students create a short explanatory video.
- Assessment Criteria:
- Concept Accuracy – 2 Marks
- Creativity – 1 Mark
- Presentation Quality – 1 Mark
- Engagement – 1 Mark

Benefits over Alternative Assessment Tools

- Encourages active learning
- Improves communication skills
- Develops critical thinking



INSTITUTE OF AERONAUTICAL ENGINEERING (AUTONOMOUS)

Dundigal - 500 043, Hyderabad, Telangana

PLANNING MONITORING AND CONTINUING STUDIES

SCHEDULE OF ALTERNATIVE ASSESSMENT TOOL (AAT) SELECTION & EVALUATION

B.TECH I|III|V|VII SEMESTERS

Academic Year: 2025-26

23 July, 2025

Regulation & Semester	AAT	AAT Components	Week	Choice of Selection and uploading		Evaluation		Date of Marks Awarded
				From	To	From	To	
B.Tech I Semester (BT23)	AAT 1 - 1	Tech Talk	Week-3	01/09/2025	07/09/2025	10/09/2025	11/09/2025	12/09/2025
	AAT 1 - 2	Definition & Terminology	Week-8	06/10/2025	12/10/2025	15/10/2025	16/10/2025	17/10/2025
		Assignments/ Open-ended Problems						
		Hack-a-thon						
		Case studies						
	AAT 2 - 1	Complex Engineering Problem Solving	Week-12	03/11/2025	09/11/2025	12/11/2025	13/11/2025	14/11/2025
		Concept Video						
	AAT 2 - 2	Definition & Terminology	Week-15	17/11/2025	23/11/2025	26/11/2025	27/11/2025	28/11/2025
		Assignments/ Open-ended Problems						
		Hack-a-thon						
		Case studies						
B.Tech III Semester (BT23)	AAT 1 - 1	Tech Talk	Week-2	11/08/2025	17/08/2025	20/08/2025	21/08/2025	22/08/2025
	AAT 1 - 2	Definition & Terminology	Week-5	01/09/2025	07/09/2025	10/09/2025	11/09/2025	12/09/2025
		Assignments/ Open-ended Problems						
		Hack-a-thon						
		Case studies						
	AAT 2 - 1	Complex Engineering Problem Solving	Week-11	13/10/2025	19/10/2025	22/10/2025	23/10/2025	24/10/2025
		Concept Video						
	AAT 2 - 2	Definition & Terminology	Week-14	03/11/2025	09/11/2025	12/11/2025	13/11/2025	14/11/2025
		Assignments/ Open-ended Problems						
		Hack-a-thon						

Figure 10: Schedule of AAT selection and evaluation

The schedule of AAT-Hackathon will be as follows,

 INSTITUTE OF AERONAUTICAL ENGINEERING (Autonomous) Dundigal - 500 043, Hyderabad, Telangana					
PLANNING MONITORING AND CONTINUING STUDIES SCHEDULE OF ALTERNATIVE ASSESSMENT TOOL HACKATHON-I B. TECH III SEMESTER – DATA STRUCTURES (ACSD08) ACADEMIC YEAR: 2025-26					
02 September, 2025					
Branch	Section	Date	Timing	Room No	Faculty
Aeronautical Engineering	A	09-09-2025	09:30 AM to 12:15 PM	3104	Ms. V Alekhya. Mr. Chitte Anil
Civil Engineering & Mechanical Engineering	A	11-09-2025	01:05 PM to 03:50 PM	3113 & 3205	Dr. Venu Malagavelli Dr. Nanna Sri Ramya
Electrical and Electronics Engineering	A	11-09-2025	09:30 AM to 12:15 PM	3402	Mr. S Srikanth Ms. M Varalakshmi
Electronics and Communication Engineering	A	09-09-2025	09:30 AM to 12:15 PM	1216 & 1217	Dr. V Kishen Ajay Kumar Mr. Prasannanjanya Reddy V Dr. J Mohan
Electronics and Communication Engineering	B	11-09-2025	01:05 PM to 03:50 PM	1216 & 1217	Dr. S China Venkateswarlu Mr. Prasannanjanya Reddy V Dr. V Siva Nagaraju
Computer Science and Engineering	A	10-09-2025	09:30 AM to 12:15 PM	1114	Dr. P Govardhan Ms. K Jyothi
	B	11-09-2025	09:30 AM to 12:15 PM	1114	Dr. M Lakshmi Prasad Mr. A Shiva Raj Ms. Dasari Savitha
	C	10-09-2025	09:30 AM to 12:15 PM	1115	Mr. Achyuta Suresh Babu Mr. M Suryanarayana Mr. A Shiva Raj
	D	15-09-2025	09:30 AM to 12:15 PM	1115	Dr. K Laxminarayanamma Ms. Peddi Kavitha
	E	10-09-2025	01:05 PM to 03:50 PM	1114	Ms. K Sangeeta Ms. N Ramya Ms. Peddi Kavitha
	F	11-09-2025	01:05 PM to 03:50 PM	1115	Ms. S Kavitha. Ms. D Rajani

Figure 11: Schedule of AAT Hackthon

Semester End Examinations (SEE)

Semester End Examinations are the final formal assessments conducted at the end of an academic semester to evaluate students' overall understanding of the courses they have studied. These examinations assess the theoretical knowledge, problem-solving ability, analytical skills, and application of concepts acquired throughout the semester. SEE is conducted as per the academic calendar and follows a structured examination system with standardized question papers, invigilation, and evaluation procedures.



INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal - 500 043, Hyderabad, Telangana

Revised Schedule of B.Tech II Semester End Examinations (Regular), June 2026

Regulations: BT25

Timings: 10:15 AM to 01:15 PM

15 April, 2026

Date/Day	Course Code	Course Name	Branch
15-06-2026 Monday	AHSE08	Ordinary Differential Equations and Vector Calculus	AE CSE CSE (AI&ML) CSE (DS) ECE IT EEE ME CE
17-06-2026 Wednesday	ACSE05	Data Structures	AE CSE CSE (AI&ML) CSE (DS) ECE IT EEE ME CE
19-06-2026 Friday	AHSE03	Engineering Chemistry	AE CSE (AI&ML) CSE (DS) ECE EEE ME CE
20-06-2026 Saturday	AHSE02	Engineering Physics	CSE IT
22-06-2026 Monday	AMEE04	Thermodynamics	AE ME
	ACSE06	AI Foundations	CSE CSE (AI&ML) CSE (DS) IT
	ACEE01	Building Planning and Construction	CE
23-06-2026 Tuesday	ACSE02	Essentials of Problem Solving	ECE EEE
24-06-2026 Wednesday	AEEE01	Basic Electrical and Electronics Engineering	AE CSE (AI&ML) CSE (DS) ME CE
25-06-2026 Thursday	AHSE04	Professional Communication	CSE IT
27-06-2026 Saturday	AEEE04	Network Analysis and Synthesis	ECE EEE

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Figure 12: Schedule of Semester End Examinations

End Practical Examinations (EPE)

End Practical Examinations are formal assessments conducted at the conclusion of a semester to evaluate students' practical knowledge, laboratory skills, and ability to apply theoretical concepts in real experimental settings. These examinations are carried out in laboratories under the supervision of internal and external examiners.



INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal - 500 043, Hyderabad, Telangana

Schedule of B.Tech IV Semester End Practical Examinations (Regular), June 2026

Regulations: BT23

Date: 05-05-2026

AERONAUTICAL ENGINEERING				
SECTION-A				
S.No	Date	Time	Room No	Name of the Lab
1	30-06-2026 Tuesday	09:30 AM to 04:00 PM	3205	Aerospace Structures Laboratory (AAED11)
2	01-07-2026 Wednesday	09:30 AM to 04:00 PM	3104/3105	Aerodynamics and Propulsion Laboratory (AAED12)
3	02-07-2026 Thursday	09:30 AM to 04:00 PM	3104/3105	Aerospace Materials and Production Technology Laboratory (AAED13)
4	03-07-2026 Friday	09:30 AM to 04:00 PM	3104/3105	DevOps Engineering (ACSD18)
5	04-07-2026 Saturday	09:30 AM to 12:15 PM	5005	Field Practicum (AFID02)

Figure 13: Schedule of End Practical Examinations

Class Work Monitoring:

Classrooms CC Camera Monitoring Report prepared by the Planning, Monitoring and Continuing Studies department. The purpose of the report is to monitor classroom activities through CCTV surveillance and ensure compliance with institutional academic and disciplinary standards.

The report records observations related to:

- Faculty presence and class conduct during scheduled hours.
- Classroom occupancy and student attendance.
- Whiteboard utilization for effective teaching and learning.
- Dress code violations observed among students.
- Duration of class inactivity or absence, categorized into time intervals (01–05 minutes and 06–10 minutes).
- Room-wise details, including faculty name/ID, branch, semester/section, room number, class timings, and remarks.

This monitoring system helps the institution maintain academic discipline, improve teaching effectiveness, ensure regular conduct of classes, and support continuous quality enhancement in educational activities.



INSTITUTE OF AERONAUTICAL ENGINEERING (AUTONOMOUS)

Dundigal - 500 043, Hyderabad, Telangana

Planning, Monitoring and Continuing Studies

Class Rooms CC Camera Monitoring Report

10, JUNE 2026.

01 Min – 05 Min	06 Min – 10 Min	White Board	Dress Code Violation
Nil	Class	Classes	

S.No	Name/Id no	Branch/ Semester/ Section	Room no	Class		Remarks
				Time in	Time out	
1						
2						
3						

Figure 14: Sample class Room CC Camera Monitoring Report

Laboratories CC Camera Monitoring

This report is a monitoring document prepared by the Planning, Monitoring and Continuing Studies section of the Institute of Aeronautical Engineering (IARE) to track laboratory utilization and faculty engagement through CCTV surveillance.



INSTITUTE OF AERONAUTICAL ENGINEERING (AUTONOMOUS)

Dundigal - 500 043, Hyderabad, Telangana

Planning, Monitoring and Continuing Studies

Laboratories CC Camera Monitoring Report

10 JUNE 2026

0 – 5 Min	06 Min – 10 Min	11 Min – 15 Min	Lab Not Engaged
Labs	Lab	Nil	Lab

S.No	Name/Id no	Branch/ Semester/ Section	Room no	Class		Remarks
				Time in	Time out	
1						
2						
3						
4						

Figure 15: Sample Lab CC Camera Monitoring Report

Student Satisfaction Survey

Student Satisfaction Survey is a structured feedback tool used by educational institutions to measure students' perceptions of their academic experience, campus services, facilities, and overall environment. In engineering programs, where the academic workload is intense and heavily reliant on specialized infrastructure, these surveys are critical for identifying bottlenecks in student retention, well-being, and academic success.



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

Student Satisfaction Survey (SSS)

Academic Year: 2025-26

S. No	Student Satisfaction Survey
1	Facilities
2	Cafeteria
3	Career Services
4	Sanitation and Hygiene
5	Library Facilities
6	Internet / Computer Facilities
7	Safety and Security
8	Student Support

Figure 16: Sample Student Satisfaction Survey Report

Day Time-Tables Preparation:

Theory Classes Day Time Table is a monitoring report prepared by the Planning, Monitoring & Continuing Studies. The report provides a comprehensive schedule of theory and laboratory classes conducted during the day, facilitating effective academic monitoring and ensuring adherence to the institutional timetable.



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

Planning, Monitoring & Continuing Studies Theory Classes Day Time Table

08 May, 2026

PERIOD	FACULTY ID	FACULTY NAME	COURSE CODE	COURSE NAME	ROOM NO	ADJUSTED FACULTY
EEE II A						
4	IARE10077	MR. P SHIVA KUMAR	ACSE02	ESSENTIALS OF PROBLEM SOLVING	3416	
5	IARE10682	DR. VNSR VENKATESWARA RAO	AHSE03	ENGINEERING CHEMISTRY	3416	
6	IARE11159	DR. BINOY KRISHNA GIRI	AHSE08	ORDINARY DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS	3416	
ECE II A						
1	IARE11131	DR. C MAHENDER	AHSE03	ENGINEERING CHEMISTRY	1302	
2	IARE10869	DR. DOMA SREE LAKSHMI	ACSE02	ESSENTIALS OF PROBLEM SOLVING	1302	
3	IARE10696	MS. M SREEVANI	AEEE04	NETWORK ANALYSIS AND SYNTHESIS	1302	
ECE II B						
4	IARE11203	DR. UTTAM MONDAL	AHSE08	ORDINARY DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS	1303	
5	IARE10869	DR. DOMA SREE LAKSHMI	ACSE02	ESSENTIALS OF PROBLEM SOLVING	1303	
6	IARE10869	DR. DOMA SREE LAKSHMI	ACSE02	ESSENTIALS OF PROBLEM SOLVING	1303	
CSE II A						
1	IARE10874	DR. SHANKARAIAH NADDI	AHSE02	ENGINEERING PHYSICS	1108	
2	IARE10874	DR. SHANKARAIAH NADDI	AHSE02	ENGINEERING PHYSICS	1108	
3	IARE10510	DR. JETTY WILSON	AHSE04	PROFESSIONAL COMMUNICATION	1108	
CSE II B						
4	IARE10811	DR. MUKKU SAILAJA	AHSE04	PROFESSIONAL COMMUNICATION	1110	
5	IARE10955	DR. PAMULA RAJA KUMARI	AHSE08	ORDINARY DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS	1110	
6	IARE10567	DR. K SUVARCHALA	ACSE06	AI FOUNDATIONS	1110	
CSE II C						
4	IARE10147	DR. RIZWANA	AHSE02	ENGINEERING PHYSICS	1101	
5	IARE10477	MS. B PRAVEENA	AHSE08	ORDINARY DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS	1101	
6	IARE11094	DR. RAVINDER PANDYA	AHSE04	PROFESSIONAL COMMUNICATION	1101	
CSE II D						
4	IARE10573	MR. J THIRUPATHI	ACSE06	AI FOUNDATIONS	1211	
5	IARE11096	DR. PADMA RAPUR	AHSE02	ENGINEERING PHYSICS	1211	
6	IARE11108	DR. WASHIM SAJJAD	AHSE04	PROFESSIONAL COMMUNICATION	1211	
CSE II E						
4	IARE10816	DR. SANTOSH SINGH	AHSE02	ENGINEERING PHYSICS	1218	
5	IARE11199	MR. PARTHASARATHI MANDAL	AHSE08	ORDINARY DIFFERENTIAL EQUATIONS AND VECTOR CALCULUS	1218	
6	IARE10579	DR. RM NOORULLAH	ACSE06	AI FOUNDATIONS	1218	

Figure 17: Sample Theory classes Day Time Table



INSTITUTE OF AERONAUTICAL ENGINEERING

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Dundigal - 500 043, Hyderabad, Telangana

Planning Monitoring & Continuing Studies Laboratory Day Time table

20 September, 2025

Period	Faculty Id	Faculty Name	Course Code	Course Name	Room No	Adjustment faculty
DEPARTMENT OF AERONAUTICAL ENGINEERING						
AERO-IA						
1	IARE10881	Dr. M MADHUSUDHAN REDDY	ACSE03	Object Oriented Programming Laboratory	4003	
2	IARE10881	Dr. M MADHUSUDHAN REDDY	ACSE03	Object Oriented Programming Laboratory	4003	
3	IARE10881	Dr. M MADHUSUDHAN REDDY	ACSE03	Object Oriented Programming Laboratory	4003	
AERO-III A						
5	IARE10650	DR. YAGYA DUTTA DWIVEDI	ACSD12	Prototype and Design Building	3105	
6	IARE10650	DR. YAGYA DUTTA DWIVEDI	ACSD12	Prototype and Design Building	3105	
AERO-VII A						
4	IARE11018	Mr. K ARUN KUMAR	AAEC46	Project Work (Phase - I)	3103/ 3104	
5	IARE11018	Mr. K ARUN KUMAR	AAEC46	Project Work (Phase - I)	3103/ 3104	
6	IARE11018	Mr. K ARUN KUMAR	AAEC46	Project Work (Phase - I)	3103/ 3104	
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING						
CSE-IA						
1	IARE10686	Dr. P GOVARDHAN	ACSE04	Front-End Web Development Laboratory	1115	
2	IARE10686	Dr. P GOVARDHAN	ACSE04	Front-End Web Development Laboratory	1115	
3	IARE10686	Dr. P GOVARDHAN	ACSE04	Front-End Web Development Laboratory	1115	
CSE-IB						
1	IARE10850	Dr. B MADHAVI DEVI	ACSE04	Front-End Web Development Laboratory	1104	
2	IARE10850	Dr. B MADHAVI DEVI	ACSE04	Front-End Web Development Laboratory	1104	
3	IARE10850	Dr. B MADHAVI DEVI	ACSE04	Front-End Web Development Laboratory	1104	
CSE-IE						
4	IARE11166	Ms. N RAMYA	ACSE04	Front-End Web Development Laboratory	2006	
5	IARE11166	Ms. N RAMYA	ACSE04	Front-End Web Development Laboratory	2006	

Figure 18: Sample Laboratories classes' Day-Time Table

6. Project Work Monitoring

PMCS coordinates project activities for final-year students.

Project Batch Formation

Project Batch Formation is the process of grouping students into small teams or batches for carrying out academic or final-year projects. It is done based on criteria such as student interests, specialization, academic performance, and available faculty guides. The main objective is to ensure balanced team composition and effective distribution of students among project guides. This process helps in smooth coordination, better collaboration, and efficient monitoring of project work throughout the semester.

Selection of Project Titles

Selection of Project Titles is the process of identifying, reviewing, and approving suitable topics for student academic or final-year projects. It involves collaboration between students and faculty guides to ensure that the chosen titles are relevant, innovative, feasible, and aligned with the curriculum and industry needs. The process also considers factors such as availability of resources, technical scope, research value, and student interest. Approved project titles provide a clear direction for students to begin their project work effectively.

Assignment of Project Guides

Assignment of Project Guides is the process of allocating faculty members to supervise and mentor student project groups based on their expertise, specialization, workload, and academic interests. This ensures that each project group receives appropriate guidance throughout the project lifecycle, from topic selection to final submission. The process also considers faculty availability and the relevance of project topics to their domain knowledge. Effective guide allocation plays a key role in ensuring the quality, direction, and successful completion of student projects.

Project Review Scheduling

Project Review Scheduling is the process of planning and organizing periodic evaluation sessions for student projects throughout the academic semester. It involves fixing dates, time slots, venues, and panel members (internal and external) for reviewing project progress at different stages. The schedule is designed to assess milestones such as problem definition, design, implementation, and final outcomes. It ensures that all student groups receive timely feedback and guidance to improve their work before final submission. Proper scheduling also helps maintain fairness, consistency, and smooth coordination among students, faculties.

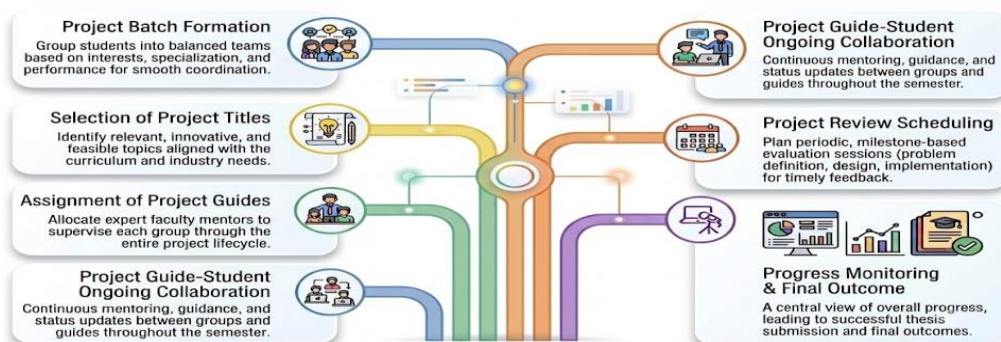


Figure 19: Project work monitoring

Thesis Submission

Thesis Submission is the formal process of submitting the final research document prepared by students at the end of their academic program. It represents the culmination of their research work, including problem identification, literature review, methodology, analysis, results, and conclusions. The submission must follow institutional guidelines regarding format, structure, plagiarism standards, and documentation requirements. It is usually reviewed by faculty guides and external examiners before evaluation. Thesis submission demonstrates a student's ability to conduct independent research and contribute meaningful insights to their field of study.

Viva Voce Examination

Viva Voce Examinations are oral examinations conducted to assess a student's depth of understanding, conceptual clarity, and ability to articulate knowledge related to their subject, project, or thesis work. In this format, students are questioned by internal and/or external examiners who evaluate their comprehension of theoretical concepts, practical applications, and problem-solving approaches. Viva voce is commonly conducted for projects, laboratory work, dissertations, and final examinations, serving as an important tool to validate independent learning and academic authenticity.

Objectives

- Systematic execution of projects.
- Timely completion of project work.
- Enhancement of research and innovation.

7. Attendance Registers and Class In-Charge Diaries verification

The Class incharge shall submit Attendance Registers for every 15 days and Class In-charge diaries for every 30 days.

Monitoring Purpose

- Attendance analysis
- Student progression monitoring
- Academic issue identification

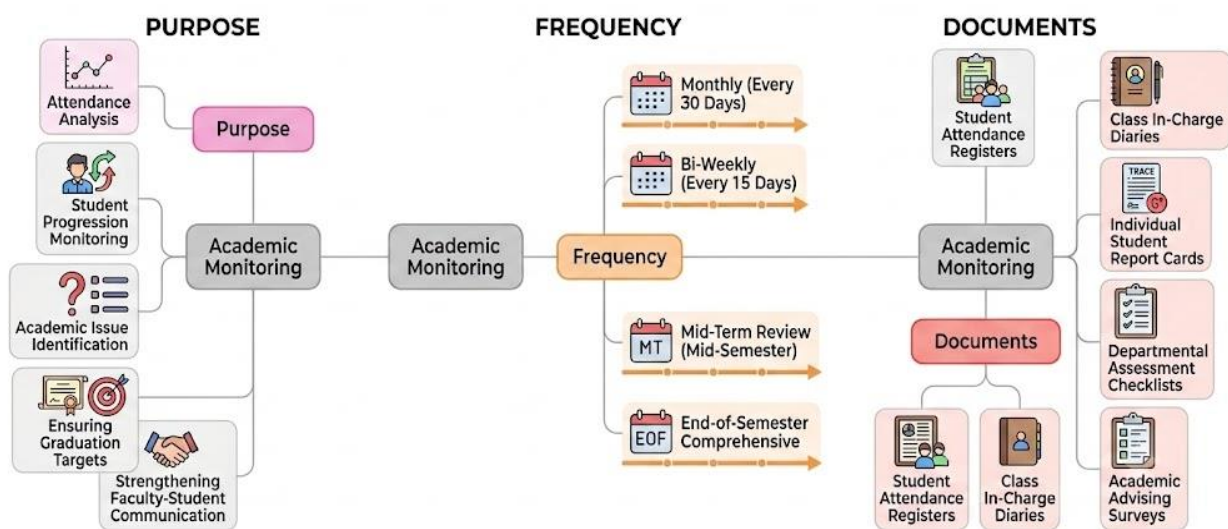


Figure 20: Academic Monitoring Process

8. Syllabus Coverage Monitoring

PMCS monitors syllabus coverage every fortnight.

Activities

- Collection of syllabus coverage reports.
- Department-wise analysis.
- Identification of backlog topics.
- Corrective action recommendations.

Objectives

- Ensure timely syllabus completion.
- Improve course delivery effectiveness.

9. Teaching Pedagogy

Faculty members are required to upload instructional PPTs into the Samvidha Student Portal.

Verification Parameters

- Content Quality
- Outcome Alignment
- Technical Accuracy
- Presentation Standards
- Pedagogical Effectiveness

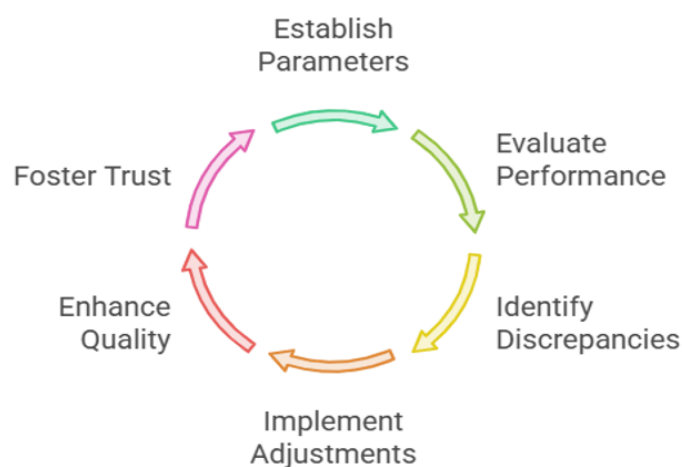


Figure 21: Verification Parameter cycle

10. Laboratory Worksheet Evaluation Monitoring

Laboratory performance is monitored through weekly worksheet evaluation.

Process

Faculty uploads student batch details in Samvidha

Faculty Upload Student Batch Details in Samvidha is the administrative process of entering and maintaining student batch information in the Samvidha academic management system. In this process, faculty members or authorized staff uploads details such as student names, registration numbers, program, semester, section, and assigned batch for courses, projects, or laboratory work. This ensures that all student grouping information is accurately recorded and updated in the institutional database for smooth academic operations, monitoring, and evaluation processes.

Worksheets evaluated weekly

Worksheets Evaluated Weekly refers to the systematic process of assessing students' weekly assignments, exercises, or problem-solving worksheets to monitor their learning progress on a continuous basis. Faculty members review these worksheets regularly to evaluate students' understanding of concepts, accuracy of solutions, and ability to apply theoretical knowledge. This frequent evaluation helps maintain academic discipline, encourages consistent study habits, and provides timely feedback for improvement.

Evaluation statistics published periodically

Evaluation Statistics Published Periodically refers to the systematic compilation, analysis, and dissemination of student performance data at regular intervals during an academic term. These statistics include information such as Continuous Internal Evaluation (CIE) marks, assignment scores, attendance-based performance, laboratory evaluations, and overall academic progress. The purpose is to provide transparency, track learning outcomes, and keep students, faculty, and academic administrators informed about performance trends. Publishing these reports periodically helps in early identification of underperformance and supports timely corrective actions.

Departmental compliance monitored.

Departmental Compliance Monitored refers to the systematic process of ensuring that all academic and administrative activities within a department are carried out in accordance with institutional policies, regulatory requirements, and quality standards. This includes monitoring adherence to academic calendars, syllabus coverage, examination procedures, documentation practices, faculty responsibilities, and accreditation norms. Regular audits, reviews, and reporting mechanisms are used to verify compliance and ensure consistency in departmental functioning.

Benefits

- Continuous laboratory assessment.
- Improved practical learning outcomes.
- Enhanced student engagement.

11. Continuing Studies

Continuing Studies promotes lifelong learning and professional growth among faculty members.

a). Faculty Higher Education Monitoring

Faculty members are encouraged to pursue doctoral studies from reputed institutions.

PMCS Monitoring Activities in continuing studies

i). Issue of No Objection Certificates (NOC)

The Issue of No Objection Certificates (NOC) is an administrative process in which an educational institution formally grants permission to faculty for specific requests such as internships, higher studies, industrial training, conferences, transfers, or other external academic or professional activities. The NOC confirms that the institution has no objection to the individual participating in the stated activity and that it aligns with institutional policies. The process involves verification of eligibility, academic standing, attendance, and departmental approval before issuing the certificate.

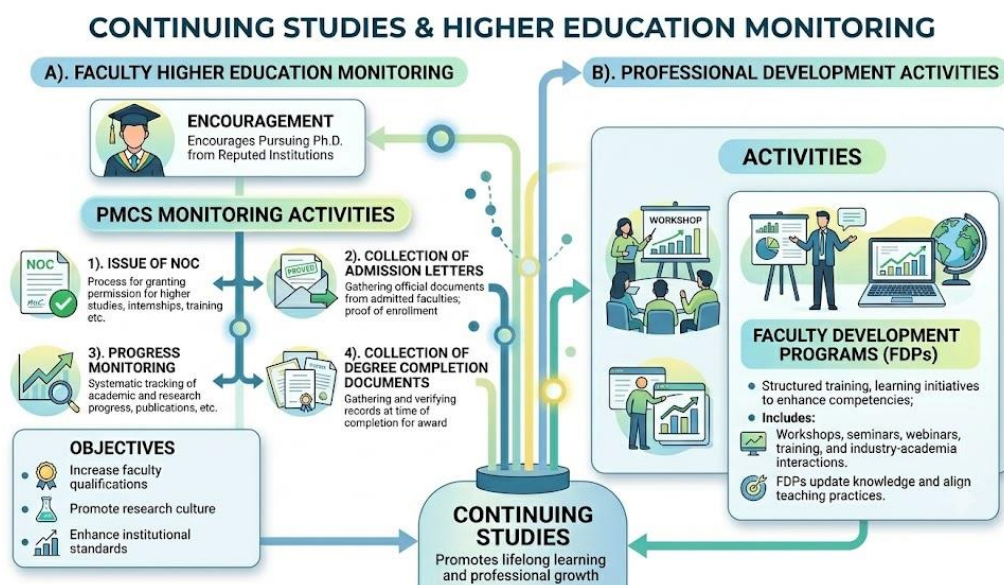


Figure 23: Continuing studies process

ii). Collection of Admission Letters

Collection of Admission Letters is the administrative process of gathering and maintaining official admission documents submitted by newly admitted students. These admission letters serve as proof of enrollment and include essential details such as the student's name, program of study, admission number, and date of admission. The process ensures that all admission records are properly verified, organized, and stored for academic, regulatory, and auditing purposes. It also supports smooth onboarding and integration of students into the institutional system.

iii). Progress Monitoring

Progress Monitoring in Higher Education Monitoring is the systematic process of tracking the academic, research, and professional development progress of faculty members who are pursuing higher education such as Ph.D or other advanced qualifications. It involves periodic review of milestones such as coursework completion, research work, publications, thesis progress, and institutional compliance requirements. The monitoring process ensures that faculty members are progressing as per approved timelines while balancing their academic responsibilities within the institution. It also supports timely guidance, feedback, and intervention to ensure successful completion of higher studies.

iv). Collection of Degree Completion Documents

Collection of Degree Completion Documents is the administrative process of gathering, verifying, and maintaining all essential records submitted by faculties at the time of completing their academic program. These documents typically include transcripts, course completion certificates, project reports, thesis submissions, no-dues certificates, and other required clearance forms. The process ensures that all academic and administrative obligations are fulfilled before awarding the degree. Proper verification of these documents helps maintain institutional compliance, accuracy of faculties records, and smooth processing.

Objectives

- Increase faculty qualifications.
- Promote research culture.
- Enhance institutional academic standards.

b). Professional Development Activities

Faculty members are encouraged to participate in:

Faculty Development Programs

Faculty Development Programs are structured training and learning initiatives designed to enhance the professional, academic, and pedagogical competencies of faculty members in higher education institutions. These programs include workshops, seminars, training sessions, short-term courses, webinars, and industry-academia interactions focused on emerging technologies, innovative teaching methodologies, research skills, curriculum development, and academic leadership. FDPs aim to continuously update faculty knowledge and align teaching practices with current academic and industry standards, thereby improving the overall quality of education.



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

Planning, Monitoring & Continuing Studies Faculty Development Programme Academic Year:2025-26

18 March, 2026

S No	Faculty Id	Name of the Faculty	Title of the FDP	Duration Dates		No of Days
1	IARE10024	MS. CSL VIJAYA DURGA	ADVANCED ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNIQUES FOR MEDICAL IMAGING	18-08-2025	23-8-2025	6
2	IARE10033	DR. K LAXMINARAYANAMMA	RUST	23-06-2025	28-06-2025	6
3	IARE10036	DR. G CHANDRA SEKHAR	ACADEMIC AND ADMINISTRATIVE LEADERSHIP IN HIGHER EDUCATIONAL INSTITUTIONS: PATHWAYS TO GOOD GOVERNANCE, ACCOUNTABILITY, RESPONSIBILITY AND ROLE CLARITY	28-02-2026	28-02-2026	1
4	IARE10036	DR. G CHANDRA SEKHAR	QUANTUM CRYPTOGRAPHY AND ITS IMPACT ON CYBERSECURITY	08-09-2025	13-09-2025	6
5	IARE10036	DR. G CHANDRA SEKHAR	ARTIFICIAL INTELLIGENCE IN CLOUD COMPUTING	01-12-2025	06-12-2025	6
6	IARE10044	DR. G MARY SWARNALATHA	FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE	01-07-2025	30-10-2025	120
7	IARE10046	DR. D KHALANDAR BASHA	INNOVATIVE APPLICATIONS OF MATHEMATICS (IAM-2025)	01-07-2025	31-10-2025	72
8	IARE10052	DR. G AJITHA	V2X BEYOND 5G	10-11-2025	15-11-2025	6

Figure 23: Sample of Faculty Development Programme Report

Workshops

Workshops are structured, interactive training sessions designed to develop practical knowledge and hands-on skills in a specific academic or professional area. Unlike traditional lectures, workshops focus on active participation, demonstrations, group activities, and real-time problem-solving. They are typically conducted by subject experts, industry professionals, or academicians to enhance participants' understanding of emerging tools, technologies, methodologies, and best practices. Workshops play a key role in bridging the gap between theoretical knowledge and practical application.

Short-Term Training Programs

Short-Term Training Programs are intensive, focused training sessions conducted over a short duration to enhance the knowledge and technical skills of faculty members, researchers, and students in specific domains. These programs are typically organized by academic institutions, industries, or professional bodies to address emerging technologies, advanced concepts, and current trends in engineering, science, and other disciplines. STTPs combine theoretical sessions with practical demonstrations, hands-on activities, and expert interactions to ensure effective skill development and knowledge enhancement.

MOOC's

MOOCs (Massive Open Online Courses) are online learning programs designed to provide flexible, accessible, and scalable education to a large number of learners through digital platforms. These courses are offered by universities, institutions, and online education providers on various subjects and disciplines. MOOCs typically include video lectures, reading materials, quizzes, assignments, and discussion forums, enabling self-paced learning. They allow students and faculty to gain knowledge and certifications from globally recognized institutions without geographical limitations.

Quality Improvement Programs

AICTE-QIP is an initiative of the All India Council for Technical Education (AICTE) aimed at upgrading the qualifications, knowledge, and skills of faculty members in technical institutions. Under this program, faculties are sponsored to pursue higher studies such as M.E./M.Tech, Ph.D., and post-doctoral research at reputed institutions. It also includes short-term training, research exposure, and academic development activities to strengthen teaching quality, research output, and institutional excellence. The program ensures continuous professional development of faculty in line with evolving academic and industry needs.

Professional Development Programs

Professional Development Programs are structured initiatives designed to enhance the professional, academic, and personal competencies of faculty members and educational professionals. These programs focus on improving teaching methodologies, research capabilities, communication skills, leadership qualities, and subject expertise. PDPs include workshops, seminars, training sessions, conferences, certifications, and industry interaction programs that help participants stay updated with current trends in education and their respective fields. The primary aim is to foster continuous learning and ensure overall professional growth aligned with institutional and academic goals.

Benefits:

- Knowledge enhancement
- Skill development
- Industry exposure
- Pedagogical improvement

12. Quality Assurance through PMCS

PMCS contributes significantly to institutional quality assurance through:

Academic Planning and Compliance Monitoring

Academic Planning and Compliance Monitoring is the process of organizing, managing, and tracking academic activities to ensure that educational goals, curriculum requirements, institutional policies, and regulatory standards are met effectively.

Teaching-Learning Quality Enhancement

Teaching-Learning Quality Enhancement refers to the systematic process of improving instructional methods, learning experiences, assessment practices, and educational outcomes to ensure effective and meaningful learning for students. It focuses on fostering excellence in teaching, promoting student engagement, and continuously improving academic standards.

Faculty Development Monitoring

Faculty Development Monitoring is the systematic process of tracking, evaluating, and supporting the professional growth and performance of faculty members to ensure continuous improvement in teaching, research, innovation, and academic leadership. It helps educational institutions assess the effectiveness of faculty development initiatives and align faculty competencies with institutional goals and quality standards.

Project Monitoring

Project Monitoring is the continuous process of tracking, reviewing, and evaluating the progress of a project to ensure that it is completed within the planned scope, schedule, budget, and quality standards. It involves regularly measuring project performance, identifying deviations from the plan, and implementing corrective actions to achieve project objectives effectively.

Outcome-Based Education Support

Outcome-Based Education support refers to the systems, processes, and tools that facilitate the planning, implementation, assessment, and continuous improvement of educational programs based on clearly defined learning outcomes. It ensures that teaching, learning, and assessment activities are aligned with the knowledge, skills, and competencies students are expected to achieve upon completion of a course or program.

Stakeholder Feedback Integration

Stakeholder Feedback Integration is the systematic process of collecting, analyzing, incorporating, and acting upon feedback received from key stakeholders to enhance institutional effectiveness, academic quality, and organizational performance. In educational institutions, stakeholders typically include students, faculty, alumni, employers, parents, industry partners, regulatory bodies, and the community. The process ensures that stakeholder perspectives contribute to informed decision-making and continuous improvement.

Continuous Improvement Mechanisms

Continuous Improvement Mechanisms are structured processes and practices designed to systematically evaluate, enhance, and optimize academic, administrative, and operational activities on an ongoing basis. These mechanisms enable institutions to identify performance gaps, implement corrective actions, monitor outcomes, and foster a culture of excellence and innovation. The objective is to ensure sustained quality enhancement, stakeholder satisfaction, and achievement of institutional goals.

13. Roles and Responsibilities

Preparation of Academic Calendars

Preparation of Academic Calendar is the systematic process of planning and scheduling all academic activities for an academic year or semester. It serves as a comprehensive roadmap that outlines important dates, timelines, and events related to teaching, learning, assessment, co-curricular activities, and administrative functions. The academic calendar helps ensure the smooth and timely execution of academic programs while maintaining compliance with institutional and regulatory requirements.

Monitoring Academic Activities

Monitoring Academic Activities is the continuous process of tracking, reviewing, and evaluating academic operations to ensure that teaching, learning, assessment, research, and student development activities are conducted effectively and in accordance with institutional objectives, academic policies, and regulatory requirements. It helps maintain educational quality, improve performance, and ensure the timely achievement of academic goals.

Examination Scheduling

Examination Scheduling is the systematic process of planning, organizing, and coordinating examination activities to ensure the smooth, fair, and efficient conduct of assessments. It involves creating examination timetables, allocating resources, assigning examination venues and invigilators, and ensuring compliance with academic regulations and institutional policies. Effective examination scheduling helps minimize conflicts, optimize resource utilization, and maintain the integrity of the assessment process.

Project Monitoring

Project Monitoring is the continuous process of tracking, reviewing, and evaluating the progress of a project to ensure that all activities are aligned with the planned objectives, timelines, budget, and quality standards. It involves collecting and analyzing project data, identifying deviations from the plan, and taking corrective actions to ensure successful project completion.

Faculty Development Tracking

Faculty Development Tracking is the systematic process of recording, monitoring, and evaluating the professional growth and development activities of faculty members. It focuses on capturing faculty participation in training programs, research, teaching improvements, and academic contributions to ensure continuous enhancement of their competencies and alignment with institutional quality standards.

Quality Assurance Coordination

Quality Assurance Coordination is the structured process of organizing, managing, and aligning all quality-related activities within an institution to ensure that academic, administrative, and operational processes meet established standards and continuously improve. It involves coordinating stakeholders, monitoring quality initiatives, and ensuring compliance with internal policies, accreditation requirements, and regulatory frameworks.

Departmental Academic Planning

Departmental Academic Planning is the process of designing, organizing, and coordinating academic activities at the departmental level to ensure effective delivery of curriculum and achievement of learning outcomes. It involves planning teaching schedules, resource allocation, faculty responsibilities, and academic activities in alignment with institutional goals, regulatory requirements, and program objectives.

Timetable Approvals

Timetable Approval is the process of reviewing, validating, and authorizing the academic timetable prepared by departments or scheduling authorities to ensure it is feasible, conflict-free, and aligned with institutional academic policies and resource availability. It ensures that teaching schedules are practical, balanced, and compliant with curriculum requirements before implementation.

Schedule of Instructions Verification

Schedule of Instructions Verification is the process of reviewing and validating the planned instructional schedule to ensure that teaching activities are properly organized, accurately allocated, and aligned with the approved academic timetable and curriculum requirements. It ensures that all instructional plans are feasible, complete, and compliant with institutional and regulatory standards before implementation.

Monitoring Faculty Performance

Monitoring Faculty Performance is the systematic process of evaluating and tracking the effectiveness, productivity, and professional contribution of faculty members in teaching, research, and institutional activities. It ensures that faculty performance aligns with academic standards, institutional goals, and quality assurance requirements, while supporting continuous improvement and professional development.

Ensuring Compliance

Ensuring Compliance is the systematic process of verifying that all academic, administrative, and operational activities within an institution adhere to established policies, regulatory requirements, accreditation standards, and statutory guidelines. It involves continuous monitoring, evaluation, and corrective action to maintain conformity with internal rules and external governing bodies.

Effective Course Delivery

Effective Course Delivery refers to the systematic planning, execution, and evaluation of teaching–learning activities to ensure that course content is delivered in a clear, engaging, and outcome-oriented manner. It focuses on achieving intended learning outcomes through well-structured instruction, appropriate teaching methodologies, and continuous assessment of student understanding.

Timely Submission of Reports

Timely Submission of Reports refers to the process of preparing, reviewing, and submitting academic, administrative, and compliance-related reports within the prescribed deadlines. It ensures that all required documentation is accurately completed and delivered on time to support decision-making, regulatory compliance, and institutional transparency.

Syllabus Completion

Syllabus Completion Report is a formal academic document that provides a detailed account of the extent to which the prescribed syllabus of a course has been covered within a specified period. It is used to monitor teaching progress, ensure curriculum adherence, and support academic planning, quality assurance, and compliance requirements.

Participation in Professional Development

Participation in Professional Development refers to the active involvement of faculty and academic staff in structured learning and training activities designed to enhance their knowledge, skills, and competencies. These activities support continuous improvement in teaching, research, and professional practice, ensuring alignment with evolving academic standards, industry needs, and institutional goals.

Attendance Monitoring

Attendance Monitoring is the systematic process of recording, tracking, and analyzing the presence of students or staff in academic and institutional activities. It ensures regular participation in teaching–learning processes, supports academic discipline, and helps identify attendance patterns that may require intervention or support.

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