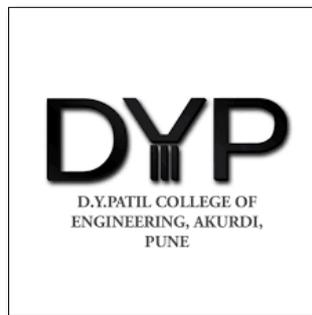


Dr. D.Y .Patil Pratishtan's
D.Y. Patil College of Engineering, Akurdi, Pune
An Autonomous Institution affiliated to Savitribai Phule Pune University



ACADEMICS RULES AND REGULATIONS

V 1.1

Governing

Under Graduate Programs

With effect from the Academic Year 2024-25

(www.dypcoeakurdi.ac.in)

1. FOREWORD

It is with immense pride and a deep sense of responsibility, we announce that D Y Patil College of Engineering, (DYPCOE) Akurdi, Pune has been conferred Autonomous status starting from the Academic Year 2024-25. This significant milestone marks the beginning of a new era for our institution, empowering us to enhance our academic framework and align it with global standards of education.

The autonomy granted to DYPCOE enables us to independently design and implement curricula, conduct examinations, and evaluate academic performance with a focus on quality and relevance. Our objective is to foster an environment that encourages innovation, critical thinking, and the holistic development of our students.

These **Academic Rules and Regulations** have been carefully formulated to provide a clear and structured approach to the academic processes at DYPCOE under this new autonomous framework. They serve as a guide for students, faculty, and all stakeholders, ensuring that the academic journey is smooth, transparent, and conducive to excellence.

As we get on this exciting journey, we remain committed to our vision of imparting quality education and equipping our students with the skills and knowledge necessary to thrive in an ever-changing world. We believe that this autonomy will enable DYPCOE to set higher benchmarks in academic and institutional achievements, contributing meaningfully to the field of engineering and technology.

We extend our heartfelt gratitude to all the stakeholders—students, faculty, staff, and well-wishers—whose dedication and support have been instrumental in achieving this milestone. Together, we will continue to build on this foundation of excellence, fostering a legacy of academic distinction at DYPCOE.

Director

DYPCOE

Institute Vision

Empowerment through Knowledge

Institute Mission

M1 - To educate the students to transform them as professionally competent and quality conscious engineers

M2 - To Provide Conducive Environment for Teaching Learning and overall personality development

M3 - To culminate the Institute into an International seat of excellence

Institute Objectives

- To produce technically competent, quality conscious engineers.
- To develop functionally suitable and conducive environment for students and staff for academic purpose.
- To develop the departments into the centre of excellence.
- To develop post graduate centres for all branches.
- To produce technically competent, quality conscious engineers.
- To develop functionally suitable and conducive environment for students and staff for academic purpose.
- To develop the departments into the centre of excellence.
- To develop post graduate centres for all branches.
- To implement Effective & efficient Teaching–Learning practices.
- To increase percentage of campus placements.
- To strengthen industry institute interaction.
- Help students for personality development and career guidance.
- To develop the students and staff to get international Acclamation.
- To develop an e-learning campus.

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DEFINITIONS

1. "Institute" means D.Y.Patil College of Engineering, Akurdi, Pune
2. "University" means Savitribai Phule Pune University (SPPU), Pune
3. "Bachelor of Technology" B. Tech means, Under Graduate Degree awarded by SPPU
4. "Semester" means period in which Academic activities are carried out.
5. "Summer Term" means a period during Summer Vacation for approximately 8 weeks' duration after even semester examination
6. "Course" means Theory/laboratory/Seminar/Project/Mini Project/ Tutorial etc.
7. "Course Credit" means weightage assigned to a Course.
8. "Course Coordinator " means Faculty member assigned to teach a Course.
9. "Grade" means an Alphabet assigned to indicate the Performance of Student in a Course.
10. "Academic Council" means apex Academic Body governing the academic programmes & policies in DYPCOE.
11. "Board of Studies" (BOS) means departmental Academic Body common for UG and PG Programmes.
12. "Board of Examinations" (BOE) means apex Examination Body responsible for Examination conduction, Examination Evaluation, Results declaration, framing and implementing Examination Rules and Regulations approved by Academic Council.
13. "Department Advisory Board" (DAB) means Department Advisory Board common for UG and PG Programmes.
14. "Programme Assessment and Quality Improvement Committee" (PAQIC) means departmental committee for Assessment and Quality Initiative of the respective Program.
15. "Semester Grade Performance Average (SGPA)" means the weighted average of Grade Point of a Student in a Semester.
16. "Cumulative Grade Performance Average (CGPA)" means the weighted average of Grade Points for all the Semesters completed by a Student.
17. "Academic Examination and Assessment R&R" means Academics, Examination & Evaluation Rules and Regulations governing system of the Institute.
18. "COE" means Controller of Examinations.
19. "CIE" means Continuous Internal Evaluation

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20. “CCA” means Continuous Comprehensive Assessment
 21. “ESE” means End Semester Examinations
 22. “DTE” means Directorate of Technical Education, Mumbai
 23. “AICTE” means All India Council for Technical Education, New Delhi
 24. “UGC” means University Grant Commission



2. INTRODUCTION

The introduction section outlines key provisions governing academic policies, procedures, curriculum, and more for an educational institute. Here's a breakdown of the points mentioned:

- 2.1 Medium of Instruction:** English is the language used for teaching throughout the program.
- 2.2 Semester System:** Academic activities are organized into semesters. Odd semesters start in the first week of July, and even semesters begin in the first week of January.
- 2.3 Admission Schedule:** The start of the first semester for B Tech programs follows the admission schedule declared by the Directorate of Technical Education (DTE), Government of Maharashtra.
- 2.4 Credit Structure:** There are eight semesters in total for UG programs with each undergraduate program requiring 174 credits.
- 2.5 Engineering Programs:** The rules and regulations apply to eight undergraduate engineering programs, with the disciplines in Artificial Intelligence and Data Science, Civil Engineering, Computer Engineering, Electronics and Telecommunication Engineering, Instrumentation and Control Engineering, Information Technology, Mechanical Engineering, Robotics and Automation.
- 2.6 Academic Calendar:** A comprehensive academic calendar is published before the start of each academic Semester.
- 2.7 Evaluation System:** Evaluation norms are strictly followed to ensure the quality of engineering education. The examination system is transparent and governed by established rules and regulations.
- 2.8 Honors and Minors Certification:** Students have an opportunity to earn honours and minor's certifications alongside their graduation degree.

2.9 Amendments: Rules and regulations may be amended by the Academic Council based on recommendations from the Boards of Studies (BOS) and Boards of Examinations (BOE). Amendments becoming effective immediately upon approval.

2.10 Binding Nature: The rules and regulations in this document are binding on all stakeholders, including students, faculty, staff, departments, and administrators. They may be revised or updated through approval by the Academic Council.

This introduction sets the framework for how academic affairs are managed within the institute, ensuring clarity and adherence to established standards and procedures.

3. ORGANIZATION STRUCTURE & ACADEMIC DEPARTMENTS

Here are the details about the Academic structure and academic departments as outlined in the Figure 3.1

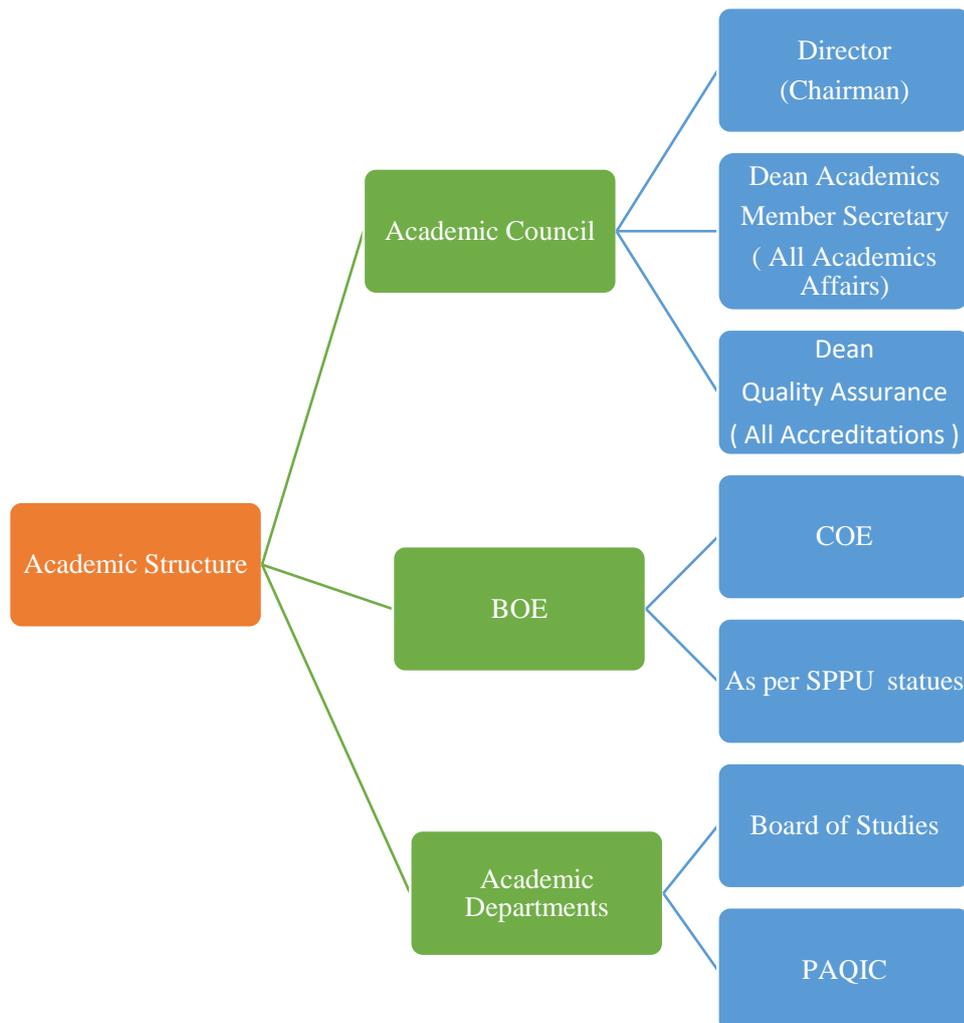


Figure 3. 1: Academic Departments and Academic Structure.

3.1 Organization Structure and Committees

3.1.1 Academic Council (AC):

- The AC is the supreme body governing all academic matters of the Institute.
- The decisions made by the Academic Council chaired by the director, is final and binding
- Sub-committees may be formed by the AC for specific purposes as needed.

3.1.2 Department Academic Coordinators (DAC):

- Responsible for continuous assessment of academic activities under the guidance of the respective Head of the Department
- Implements revisions, modifications, and improvements as necessary.
- Academic activities are scheduled based on an approved Academic Calendar for each academic year.

3.1.3 Board of Examination (BOE):

- Constituted as per statutes of Savitribai Phule Pune University.
- Ensures proper organization, conduct, moderation, tabulation, and declaration of examination results.

3.1.4 Department Level Committees:

- Board of Studies (BOS): Frames syllabi for various courses, reviews and updates syllabi, introduces new courses, and oversees details of continuous assessment.
- Programme Assessment and Quality Improvement Committee (PAQIC): Assesses and monitors the academic quality and outcomes of the programs offered.

3.2 Functionaries Related to Academics and Examination

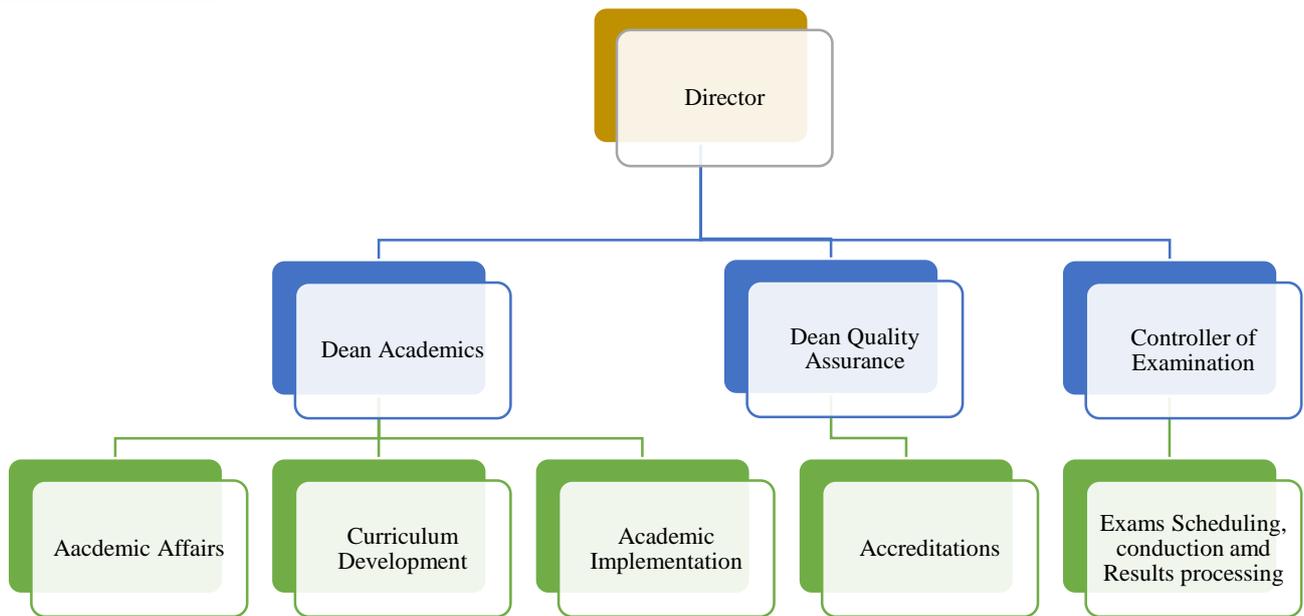


Figure 3.2 : Functionaries related to Academics and Examination

The Fig: 3.2 shows the functionaries related to Academics and Examination processes of the Institute the Roles discussed below are instrumental to implement, ensure and monitor the academic and examination processes are executed on timely basis to adhere with the approved Academic Calendar

- Director: Overall head of the institute.
- Dean Academics: Oversees academic affairs, curriculum development, and implementation.
- Dean Quality Assurance: Ensures academic processes and outcomes to line up with all Institute and Department Level Accreditations.
- Controller of Examinations: Manages all aspects related to examinations, including scheduling, conduct, and result processing.
- Heads of the Departments: Lead academic departments, responsible for curriculum delivery, faculty management, and student affairs.

3.3 Academic Departments and Programmes Offered

The specific details about the academic departments and programs offered is tabulated below. The Programs includes the disciplines as listed below

Sr No	Name of the Department	Programs offered	Program Code	Sanctioned Intake
1.	Artificial Intelligence and Data Science	BTech in Artificial Intelligence	ADS	180

2.	Civil Engineering	BTech in Civil Engineering	CVE	120
		MTech in Construction Management	CTM	18
		MTech in Environmental Engineering	ENE	18
		PhD Research Centre	-	NA
3.	Computer Engineering	BTech in Computer Engineering	CPE	180
		MTech in Computer Engineering	CME	13
4.	Electronics and Telecommunication Engineering	BTech in Electronics and Telecommunication	ETE	180
		MTech in VLSI and Embedded Systems	VES	9
		PhD Research Centre		NA
5.	Instrumentation and Control Engineering	BTech in Instrumentation and Control Engineering	ICE	60
6.	Information Technology	BTech in Information Technology	INT	180
7.	Mechanical Engineering	BTech in Mechanical Engineering	MNE	120
		MTech in Design Engineering	MDE	18
		PhD Research Centre		NA

8.	Robotics and Automation	BTech in Robotics and Automation	RNA	60
		MTech in Robotics and Automation	RAE	15

Each department offers courses structured under the guidance of the respective Board of Studies (BOS) and operates with oversight from the Academic Council (AC) and related committees to ensure adherence to academic standards and quality.

This structured approach ensures effective governance and management of academic activities within the institute, aimed at maintaining high standards in engineering education.

4. ADMISSIONS AND LATERAL MOBILITY WITHIN THE INSTITUTES

4.1 B Tech Admission Process

Admission Modes

- 4.1.1 Regular Entry: Admission for first, second (excluding lateral entry), third, and final year of the program in odd semesters.
- 4.1.2 Lateral Entry: Admission directly to the second year B. Tech. program for students with a Diploma qualification.

4.2 Admission Process and Eligibility

- Governed by the norms and procedures of the Directorate of Technical Education (DTE).
- Provisional admission is subject to fulfilling eligibility criteria prescribed by the government/university.
- Detailed admission procedures are available at DTE Maharashtra. Refer the website for the details on www.dtemaharashtra.gov.in

4.3 Credit Requirements for Admission

- **Second, Third, and Final Year Admission (Regular Entry):**
 - For 3rd year (5th semester): Must earn all credits of the 1st year and at least 60% credits of the 2nd year.

- For 4th year (7th semester): Must earn all credits of the 2nd year and at least 60% credits of the 3rd year.
- If the 60% credit calculation results in a mixed number (integer + fraction), only the integer part shall be considered.

4.4 Permanent Registration Number (PRN)

- Assigned at the time of registration/admission.
- Used for all purposes and communication.

4.5 Lateral mobility of programs within the Institute.

- Eligibility: Students can apply for a Program change after the first two semesters.
- Process:
 - Based on merit and subject to the rules of admissions at the time of change.
 - Allowed if the student has earned the credits of the first year.
 - Change is possible if the number of students in the desired program does not exceed its capacity.
 - Transfers are granted only at the beginning of the third semester.
 - Once a program change is accepted, no further requests for changes are permitted.
 - Students must undergo a Bridge Course specified by the respective department for Program-specific courses missed in the first year.

5. ACADEMIC CALENDAR

5.1 Overview

The academic activities at DYPCOE are regulated by an Academic Calendar approved by the Academic Council (AC) and released at the beginning of each academic semester. It is mandatory for students and faculty to strictly adhere to this calendar.

5.2 Preparation and Approval

1. Preparation: Dean Academics and Dean Quality Assurance prepares the Academic Calendar. They also monitor the adherence of the Academic Calendar on monthly basis.
2. Approval: The AC approves the calendar.

3. Notification: The calendar is issued and notified to all stakeholders at the beginning of each Academic Semester.

5.3 Dissemination

- The Academic Calendar is disseminated via the notice boards and the Institute's website and Institute ERP Software -JUNO- CAMPUS

5.5 Content of the Academic Calendar

The Academic Calendar includes schedules for:

- Admissions
- Course registration
- Course delivery
- Examination/Evaluation
- Course feedback
- Course/Program exit survey
- Co-curricular activities
- Extra-curricular activities
- Holidays
- Meeting schedules
- Make up classes
- Remedial classes

5.6 Academic Year Structure

- The curriculum is typically delivered in two semesters.
- Each semester lasts 20 weeks, including evaluation, grade moderation, and result declaration.
- Each semester provides at least 90 teaching days.

5.7 Scheduling Activities

- Co-curricular and extra-curricular activities are scheduled without hampering academic activities as per the academic calendar.

- Any missed academic activities on a particular teaching day, for any reason, are made up on a suitable day.

6. SEMESTER REGISTRATION, ATTENDANCE, COURSE DROPPING, COURSE WITHDRAWAL, STUDY BREAK, DETENTION AND TERMINATION

6.1 Semester Registration Guidelines

6.1.1 General Registration Process

- **Registration Requirement:** Students must register for courses at the beginning of each semester as per the institute's notification and the dates prescribed in the Academic Calendar.
- **Notification:** The Institute shall notify the registration process well in advance to all stakeholders.

Regular Entry Students

- **First Semester Core Courses:** Students admitted through regular entry must register for the core courses of the first semester.
- **Elective/Choice-Based Courses:** Such students must register separately for elective or choice-based courses.

Teacher Guardian (TG)

- Each student is assigned a TG on joining the Institute.
- Students are advised to discuss with their TG about the nature of courses to register for the semester, as per the curriculum and within the guidelines approved by the AC.

Delay in Registration

- **Prior Approval:** In case of delay in registration due to unforeseen reasons, students and parents must obtain prior approval from the Director through the respective Head of the Department, stating the reason for the delay.
- **Attendance Calculation:** For students with approved delays, attendance is calculated from the semester commencement date, not from the joining date.

6.1.2 Registration Eligibility

Only students meeting the following criteria are permitted to register for a course:

- Cleared Dues: All dues of the Institute, Hostel, and Library, including fines, must be cleared from the previous semester.
- Sufficient Credits: Students must have earned sufficient credits during the last academic year.

6.1.3 Consequences of Missing Registration

- Students who do not register within the prescribed schedule notified by the Institute shall have their admission with a late fee for the respective semester. Parents are advised to take note of this policy.

6.1.4 Re-Registration for Failed Courses

- Students must re-register and pay applicable fees for courses they failed in previous years.
- Students are not permitted to re-register for courses they have already passed.

6.2 Multi-Disciplinary Module (MDM)

As per the National Education Policy (NEP) 2020, all B.Tech. students must complete a Multi Discipline Module (MDM) as part of their degree program.

Structure:

Credits: The MDM curriculum consists of 14 credits.

Duration: The MDM is integrated into the 160-credit B.Tech. course structure and spans from Semester III to Semester VIII (across six semesters).

Registration:

Timing: MDM registration shall start before the beginning of the Second Year of the B.Tech. program.

Selection: Students must select and register for one MDM from the available options provided.

Requirements: Completion of all courses within the chosen MDM is mandatory to fulfil the 14-credit requirement.

Restrictions:

Course Changes: Students cannot change their selected MDM after registration due to inter-dependencies among courses.

Degree Award:

Students shall be awarded a B.Tech. degree with the relevant discipline and respective MDM upon successful completion of all required courses.

Attendance Requirement

6.2.1 General Expectation

- The Institute expects all B.Tech. students to attend 100% of lectures.
- A shortfall of up to 25% of lectures may be excused if caused by valid reasons (e.g., medical illness, compassionate grounds) and supported by appropriate evidence.
- Academics must not be missed without valid reasons, and sessions missed for valid reasons must not exceed 25%.

6.2.2 Minimum Attendance Requirement

- Unit of Attendance: Each semester is considered as a unit.
- Minimum Attendance: Students must attend a minimum of 75% of each Theory course and 100% completion of Term work requisite for Practical courses.
- Provision for Consideration: Up to 25% of the attendance can be considered by the Director as per recommendation by the respective Head of the Department and Dean Academics for reasons like serious medical conditions or representing the Institute/University/State/Nation in sports, cultural, technical, or academic activities with the Dean Student Affairs's permission.

6.2.3 Special Considerations

- Representation: Students representing the institution at University, National, or international levels would be considered for those days. Prior permission from the Dean Student Affairs, Head of the Department (HOD) and submission of relevant documents post-activity are required.

6.2.4 Consequences of Insufficient Attendance

- Students who fail to fulfil the criteria of minimum attendance as stated in 6.2.2 would be declared as Detained (X1- Ref. Examination Rule Book) and not permitted to attend the End Semester Examination (ESE).

6.2.5 Attendance Calculation

- The period prescribed by the Institution through its Academic Calendar shall be the basis for calculating attendance.
- For students with late admission or transfer from other institutes/universities, the date of admission shall be considered for attendance calculation (this rule does not apply to higher semesters).

6.2.6 Notification and Counselling

- The Institute shall inform students periodically about their attendance status by notifying the percentage of attendance on the notice board before each Continuous Internal Evaluation (CIE) and during multiple counselling sessions.

6.2.7 Examination Attendance

- Attendance is mandatory for all examinations, including Continuous Comprehensive Assessment(CCA) and End Semester Examination (ESE) for each registered course.

6.3 Course Dropping Policy

6.3.1 Eligibility and Process

- **Eligible Courses:** A student can drop a maximum of 2 elective courses before Mid Sem Examination (MSE).
- **Guidance and Recommendation:** Dropping a course must be done under the guidance of the Teacher Guardian (TG) and with the recommendation of the Course coordinator.
- **Reason for Dropping:** The student and parent must feel that the student cannot cope with all the courses registered at a time during the semester.

6.3.2 Credit Requirements

- **Minimum Credits:** After dropping courses, the total registered credits must not fall short of 16, which is the minimum number of credits required per semester.

6.3.3 Registration for New Electives

- Students can register for new elective courses (other than the dropped courses) in the next academic year.

6.3.4 Notification and Record

- **Intimation:** The dropping of courses must be intimated to the Dean Academics through the Head of the Department (HOD) before the announced dropping date.
- **Grade Card:** Dropped courses are not recorded in the grade card.

6.3.5 Restrictions

- **First Year Students:** This facility is not applicable to first-year students.

6.4 Course Withdrawal Policy

6.4.1 Eligibility and Process

- **Eligible Courses:** A student can withdraw from a maximum of 2 elective courses before the Mid Semester Examination (MSE).
- **Guidance and Recommendation:** Withdrawal must be done under the guidance of the Teacher Guardian (TG) and with the recommendation of the Course Teacher.
- **Reason for Withdrawal:** The student and parent must feel that the student cannot cope with the courses.

6.4.2 Credit Requirements

- **Minimum Credits:** After withdrawal, the total registered credits must not fall short of 16, which is the minimum number of credits required per semester.

6.4.3 Re-Registration

- Students must re-register for the same withdrawn course in the next academic year by paying the applicable fees.

6.4.4 Limitations and Restrictions

- **Withdrawal Limit:** Withdrawals are permitted only twice during the entire span of the program.
- **First Year Students:** This facility is not applicable to first-year students.

6.4.5 Application Process

- **Application:** Students must apply for withdrawal with the recommendation of the Course Teacher through the Head of the Department (HOD) to the Dean Academics.
- **Consultation:** The application must be made in consultation with the TG and parent.

The Dropping and withdrawal facilities are available only for REGULAR Semester(s).

6.5 Study Break

6.5.1 Eligibility and Application Process

- **Valid Reasons:** Students can apply for a study break for valid reasons such as entrepreneurship, incubation, start-ups, internships leading to placement, foreign university opportunities, research opportunities, etc.
- **Application Process:** The application must be submitted within at least 6 weeks of the commencement of the semester or from the date the student last attended classes, whichever is later. The application must include the reason for the break, supporting documents, and the endorsement of the student's parents/guardians through the Head of the Department (HOD) and Dean Academics.

6.5.2 Approval Process

- The Respective Head of the Department and the Dean Academics would recommend the student's application and The Director may permit the student for study break if:
 - The student has completed the program requirements within the specified time limits.
 - The student has no outstanding dues or demands at the Institute/University level, including tuition fees, other fees, and library materials.

6.5.4 Completion Time and Limitations

- **Total Program Period:** The total period for completing the program is calculated from the commencement of the semester to which the student was first admitted and must not exceed the maximum period prescribed for the respective program. This includes the break period.
- **Detention:** Periods of detention are not considered as a “break of study”.
- **Maximum Break:** Students are normally entitled to a study break **only once** for a maximum period of two years during their program subject to completion of UG program within 6 years of duration from the date of first semester of admission. This provision must be used only in exceptional cases with the permission of the Director.

6.6 Detention Policy

6.6.1 Conditions for Detention

A student would be declared as Detained and shall not be permitted to attend the End Semester Examination (ESE) if:

- **Minimum Attendance:** The student failed to attend at least 75% of Lectures and requisite Term work completion
- Student has fail scores in Continuous Comprehensive Assessment(CCA)

6.7 Termination Policy

6.7.1 Grounds for Termination

A student shall be terminated from the B Tech. program under the following circumstances:

- **Involvement in Ragging or Illegal Activities:**
 - Any involvement in ragging or illegal activities (as per prohibition and eradication of Ragging Act 2019) shall result in immediate termination.
- **Successive Failures in the First Year:**
 - If a student fails to get admitted to the third semester after three successive academic years from the date of admission, they shall be declared Not Fit for Technical Education (NFTE).
 - Such students may be given only one additional year to continue their education at the institute, provided permission is granted by the Academic Council (AC). The Director has the authority to terminate the student from the program.
- **Failure to Complete the Program in the Prescribed Period**

- Regular entry students must complete the B. Tech. program within a maximum of 6 years with effect from the date of admission of the first semester (12 semesters).
 - Lateral entry students must complete the program within a maximum of 5 years with effect from the Date of Admission of the first semester (10 semesters).
 - Genuine cases with proper justification may be referred to the AC for extending the program completion period based on the rules and guidelines of professional statutory bodies.
 - Students unable to complete the program within the stipulated period shall be declared Failed to Complete Technical Education (FCTE).
- Misconduct and Absenteeism:
 - Students are required to adhere the prevailing code of conduct policy approved by BOG.
 - Remaining absent without any information for a period of one year.

7. CURRICULUM POLICY

7.1 Overview

The curriculum for each academic program includes:

- **Course Structure:** Prescribes courses of study semester-wise.
- **Credits Assigned:** Specifies the credits for each course.
- **Teaching/Contact Hours:** Defines the hours of instruction for each course.
- **Evaluation Scheme:** Details the assessment methods and grading.
- **Degree Requirements:** Outlines the minimum requirements for the award of a degree.

7.2 Continuous Improvement

- **Curriculum Revisions:** The curriculum undergoes continuous revisions, reforms, and revamping.
- **Governing Principles:**
 - **Outcome-Based Education (OBE):** Ensures that the curriculum aligns with the desired outcomes of the educational program.
 - **Choice-Based Credit System (CBCS):** Offers flexibility and student choice in course selection.
 - **AICTE Model Curriculum:** Follows the guidelines and model curriculum prescribed by the All India Council for Technical Education (AICTE).
 - **NEP 2020 Guidelines and guidelines by provided by Maharashtra Government and UGC.**

7.3 Credit System Policy

7.3.1 Purpose of the Credit System

- **Continuous Evaluation:** The credit system aims to continuously evaluate a student's performance, measured by the number of credits earned.
- **Credit Measurement:** Credits reflect the quantum of work involved in a course.

7.3.2 Credit Structures

- **Credit Combinations:** Various combinations of theory/tutorial and Laboratory/Project/Seminar/Mini Project hours are detailed in Table 7.1.

7.3.3 Earning Credits

- **Minimum Requirements:** Credits for a course are awarded by fulfilling:
 - **Attendance Requirements:** Meeting the minimum attendance criteria.
 - **Assessment & Evaluation:** Meeting the minimum requirements for assessments and evaluations.
- **No Credit Award:** If a student meets attendance requirements but fails to meet the assessment and evaluation criteria, no credits shall be awarded.

7.3.4 Calculation of CGPA & SGPA (Refer Examination Rules and Regulations for details)

- **CGPA (Cumulative Grade Point Average) and SGPA (Semester Grade Point Average)** are calculated based on:
 - **Course Credits:** The number of credits assigned to each course.
 - **Grades Obtained:** The grades earned in the courses.
- **Degree Qualification:** To qualify for the degree, students must earn the minimum number of credits and achieve the minimum CGPA as specified by the program.

Table 7.1 Credits Assigned for the courses

Hours per week per student for engagement for			Credits Assigned
Theory	Tutorial/Seminar	Laboratory/Project	
1	0	0	1
0	1	0	1
0	0	2	1
0	0	4	2

1	1	0	2
1	0	2	2
3	0	0	3
2	0	2	3
2	1	0	3
3	1	0	4
3	0	2	4
4	0	0	4
2	0	4	4
Credit = Theory hours + Tutorial hours + 0.5 (Laboratory hours)			

7.4 Curriculum Components

7.4.1 Approval and Structure

- **Approval:** The structure of the curriculum and course syllabi must be approved by the Academic Council (AC) on the recommendation of the respective Board of Studies (BOS).

7.4.2 Curriculum Overview

- **Duration and Credits:** The curriculum spans eight semesters with a total of minimum 160 and Maximum up to 176 credits. The exact number of credits required for each program is specified in the respective curriculum structure.
- **Semester Credits:** Students typically register for 20-22 credits per semester. The maximum number of credits per semester shall not exceed 22.

7.4.3 Course Types

- **Credit and Audit Courses:** The curriculum includes both credit and audit (non-credit) courses.
- **Course Categories:**
 - Basic Science
 - Engineering Core
 - Professional Core
 - Professional Electives
 - Open Electives
 - Mandatory Courses

- Life Skill Courses
- Proficiency Courses
- Humanities & Social Science Courses
- Internship
- Project
- Institute Level Courses
- **Course Types:** Refer to Table 7.2 for details on course types.

7.4.4 Course Load

- **Course Limits:** Generally, a semester shall not have more than six theory courses and four Laboratory courses.

7.4.5 Audit Courses

- **Purpose:** Audit courses help students understand how their expertise/domain knowledge can be utilized for developing core engineering knowledge.

7.4.6 Course Description

A typical course description includes:

- **Course Title:** Name of the course.
- **Course Code:** Unique identifier for the course.
- **Course Category:** Defines the course types
- **Teaching Hours:** Weekly hours for lectures, tutorials, and practicals.
- **Credit Allotment:** Number of credits assigned to the course.
- **Pre-requisites:** Courses or knowledge required before enrolling.
- **Text Books and Reference Books:** Required and suggested reading materials.
- **Course Objectives and Outcomes (COs):** Learning goals and expected outcomes, mapped with Bloom's taxonomy levels.
- **Programme Outcomes (POs) and Programme Specific Outcomes (PSOs):** Goals and specific outcomes related to the program.
- **Mapping:** Alignment of COs with POs and PSOs.
- **Assessment Scheme:** Methods and criteria for evaluating student performance.

7.4.7 Publication

- **Details Availability:** The program structure and course details are published on the institute's website: www.dypcoekurdi.ac.in.

Table 7.2: Curriculum Components

Sr. No	Course Code	Component of Curriculum
1	HSC	Humanities, Social Science and Management Courses
2	BSC	Basic Science Course
3	ECC	Engineering Core Course
4	PCC	Professional Core Course
5	PEC	Professional Elective Course
6	OEC	Open Elective Course
7	PROJ	Project, Mini / Minor Projects, Integrated Projects
8	INTR	Internship
9	MC	Mandatory Course
10	PFC	Proficiency Course
11	LS	Life Skills
12	AUDIT	Audit Course
13	MOOC	Massive Open Online Course

8. ERP- JUNO-CAMPUS SOFTWARE FOR ACADEMIC IMPLEMENTATION

Juno-Campus is the Enterprise Resource Planning (ERP) software in the Institute. This Software plays a significant role in the academic implementation within educational institutions. The use of ERP systems for academic management is detailed as follows :

8.1. Academic Management:

- **Curriculum and Course Management:** Facilitates the creation, modification, and management of courses, curricula, and schedules. This includes assigning faculty, classrooms, and managing course prerequisites.
- **Grading and Assessment:** Manages the entire grading process, from assignment submissions and exam scheduling to recording grades and generating transcripts.
- **Attendance Monitoring:** Course Coordinator can mark the attendance in online mode in the classroom during the lectures and practical sessions. Department can record attendance analysis of the class and individual student from the ERP.

9. IMPLEMENTATION OF NEP2020 INTO THE CURRICULUM

The implementation of NEP 2020 introduces several transformative changes designed to enhance the flexibility, inclusivity, and overall quality of education. Key aspects include:

- **Multidisciplinary Approach:** Our curriculum shall now offer a wider range of electives across disciplines, allowing students to tailor their education to their interests and career goals.
- **Flexible Curricula:** Students shall have the opportunity to choose from a range of credit-based courses, enabling them to design their own learning paths and pace.
- **Multiple Entry and Exit Points:** To accommodate diverse student needs, we have introduced multiple entry and exit points within the academic programs, along with appropriate certification for each stage.
- **Holistic and Skill-Based Education:** The curriculum shall emphasize not only academic knowledge but also essential life skills, ethical values, and practical competencies.
- **Academic Bank of Credits (ABC):** We are establishing an Academic Bank of Credits, allowing students to accumulate and transfer credits across institutions, facilitating lifelong learning.
- **Enhanced Use of Technology:** Embracing digital tools and online resources shall play a significant role in teaching, learning, and evaluation processes.

These changes reflect our commitment to providing an education system that meets the dynamic needs of society and prepares our students for future challenges.

We encourage faculty, staff, and students to familiarize themselves with the updated regulations and to take full advantage of the opportunities offered by this new academic framework.

Multiple Exits:

Students will have the flexibility to enter a program in odd semesters and exit a program after the successful completion of even semesters as per their future career needs.

- Students exiting the First Year program after securing minimum 40 credits shall be awarded UG Certificate in the relevant Discipline provided they secure 4 credits in work based vocational courses or internship / Apprenticeship offered during summer vacation in addition to 6 credits from skill-based courses earned during first and second semester.
- Students exiting the Second Year Programme after securing minimum 80 credits shall be awarded UG Diploma in the relevant Discipline provided they secure additional 4 credits in skill based vocational courses offered during summer vacation after first year or second year.
- Students exiting the 3-year UG program shall be awarded UG Degree in the relevant Discipline upon securing minimum 120 credits.
- Exit options shall be provided with Certification, Diploma and basic Bachelor's degrees to the students at the end of the second, fourth and sixth semester, respectively, in the four-year degree program. Students shall receive a Bachelor's degree with Honors/ Honors with Research on

successfully completing all eight semesters of the UG Programmes either at a stretch or with opted exits and re-entries.

Re-entry or Lateral Entry: Students, opting for exits at any level, will have the option to re-enter the program from where they had left off, in the same or in a different higher education institution within three years of exit and complete the degree program within the stipulated maximum period of seven years from the date of admission to first year UG.

Re-entry at various levels for lateral entrants in academic programs shall be based on the earned and valid credits as-deposited and accumulated in the Academic Bank of Credits (ABC) through Registered Higher Education Institutions (RHEI) and proficiency test records. Lateral entry into the program of study leading to the UG Diploma/ Three year UG Degree/ four-year Bachelor's Degree with Honors /Research will be based on the validation of prior learning outcomes achieved and subject to availability based on intake capacity

Multiple Exits and Multiple Entry Provision for students shall be made available as per the guidelines received from time to time from the concerned Authority.

10. CONCLUSION

10.1 Policies and Regulations

- **Publication:** The Academic Rules and Regulations for the undergraduate programs at DYPCOE are detailed in this document.
- **Modification:** The Academic Council reserves the right to modify these policies and regulations as needed to enhance academic excellence.
- **Governance:**
 - **Grace Marks, Extracurricular Activities, and Other Considerations:** Rules concerning grace marks, extracurricular activities, condonation, result amendments, unfair means, and provisions for physically challenged students are governed by the ordinance approved by the Academic Council.
 - **Compliance:** These policies align with the rules and guidelines of Regulatory bodies such as AICTE, UGC, and the affiliating university SPPU.

10.2 Interpretation and Authority

- **Interpretation:** Any questions regarding the interpretation of these guidelines shall be resolved by the Head of the Institute. Their decision shall be final and binding.

- **Clarifications:** The Head of the Institute may issue clarifications to address any doubts, difficulties, or anomalies regarding the implementation of these guidelines.
- **Director's Authority:** The decision of the Director (Chairman, Academic Council) is final and binding in:
 - Cases not covered by this document.
 - Disputes or differences of opinion regarding the interpretation of these regulations.
 - Emergent cases.

10.3 Applicability

- **Effective Date:** These Academics, Examinations, and Evaluation Guidelines are applicable to all F Y B Tech batches starting from the Academic Year 2024-25.