

Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering & Technology
An Autonomous Institute



Academic Rules and Regulations

UG PROGRAMMES



(This Regulation shall be applicable to students admitted to the B.Tech. Degree Programmes from the Academic Year 2023–24 onwards, BBA and BCA Programmes from the Academic Year 2024–25 onwards)

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1. PRELIMINARY DEFINITIONS AND NOMENCLATURES:

- 1.1. “**Autonomous Institute / college**” mean an institute / college designated as autonomous institute by the Shivaji University, Kolhapur, as per University College Status and Regulations
- 1.2. “**Academic Autonomy**” means freedom to the college in all aspects of conducting its academic programs, granted by the University for promoting excellence
- 1.3. “**UGC**” means University Grant Commission
- 1.4. “**AICTE**” means All India Council for Technical Education
- 1.5. “**DTE**” means Directorate of Technical Education
- 1.6. “**SUK**” means Shivaji University, Kolhapur
- 1.7. “**BOG**” means Board of Governance of the college
- 1.8. “**Programme**” shall mean a structured package of the courses offered by the college leading to B. Tech/ M. Tech. degree.
- 1.9. “**B.Tech**” means Bachelor of Technology
- 1.10. “**NEP**” means National Education Policy
- 1.11. “**Branch**” means specialization in a program like B. Tech. Degree program in Mechanical Engineering or Electrical Engineering; M. Tech. Degree program in Computer Science and Engineering
- 1.12. “**Course / Subject**” mean a theory, practical, project subject, identified by its course number and course title, which is studied in a semester. For example: 0MEBS105 Numerical Method and approved by concerned authorities.
- 1.13. “**Course Coordinator**” means a faculty member who shall have full responsibility for the course, coordinating the work of other faculty member(s) involved in that course, including examinations and award of grades.
- 1.14. “**ISE**” means In-Semester Evaluation.
- 1.15. “**MSE**” means Mid Semester Examination
- 1.16. “**ESE**” means End Semester Examination
- 1.17. “**SPI**” means Semester Performance Index

- 1.18. “**FYPI**” means first year performance Index
- 1.19. “**CPI**” means Cumulative Performance Index
- 1.20. “**BOS**” means Board of Studies
- 1.21. “**HOD**” means Head of the department
- 1.22. “**PAC**” means Programme Assessment Committee
- 1.23. “**DEC**” means Departmental Examination Coordinator
- 1.24. “**UG**” means Undergraduate
- 1.25. “**PG**” means Post Graduate
- 1.26. “**IEC**” means Institute Examination Committee
- 1.27. “**COE**” means Controller of Examination
- 1.28. “**ATKT**” means Allowed To Keep Terms
- 1.29. “**Student**” means a student registered for UG / PG programme for full time study leading to B.Tech. / M. Tech./BBA /BCA degree /BBA
- 1.30. “**DSE**” means a student who is admitted directly to second year of the degree program after completion of the Diploma Course and registered for undergraduate programme for full time study leading to B. Tech. degree.
- 1.31 Make Up : Make Up Examination

2.INTRODUCTION:

2.1. Genesis

Annasaheb Dange College of Engineering and Technology (ADCET) was founded with a vision to create educational facilities to the socially, educationally and economically underprivileged youth from rural areas in and around Ashta. A new chapter was added to the history of Ashta with the establishment of ADCET in the academic year 1999. The college is situated in Ashta village, 18 km from Sangli in a sprawling area of more than 20 acres, approved by the All-India Council for Technical Education (AICTE) and affiliated to Shivaji University, Kolhapur. Over the years, the college has grown by leaps and bounds in every aspect. This college has become one of the pioneering technical institutions in this part of the country in a very short span offering 8 undergraduate programmes in Engineering and

Technology. Founded on June 30th, 1999, by Hon. Annasaheb Dange, a highly regarded social reformer, Annasaheb Dange College of Engineering and Technology started with a mission of providing technical education to the rural masses of India and make them world winners. The institute creation signaled the beginning of the transformation of Ashta region in Sangli District of Maharashtra State. During its journey of 25 years, ADCET has grown from a narrowly focused technical institute to a regionally recognized technological hub.

The institute initially started with three courses in engineering having an intake capacity of 180 students and over a period of 25 years now the institute is currently running 8 UG programmes with intake of 660. Throughout its long history, ADCET has always focused its efforts on preparing students to use their innovative skills and strong work ethic to solve real-world problems and improve the lives of people around the region. Equipped with the extremely rich resources of an outstanding student body and faculty; strong partnerships with business, industry, and government; and support from alumni and friends, ADCET is designing a future of Indian preeminence, leadership, and service.

Some Salient features of the institute are given below:

- Experiential, project-based, activity-based, and outcome-based teaching-learning supported by modern pedagogical practices.
- NEP 2020-aligned multidisciplinary and flexible curriculum with opportunities for Minor, Honours, and Honours with Research.
- State-of-the-art laboratories, innovation ecosystem, and advanced research facilities to promote creativity, design thinking, and problem-solving.
- World-class sports complex and wellness facilities for holistic physical and mental development.
- Modern Central Library and digital learning resources with access to e-books, e-journals, NPTEL/SWAYAM, NDLI, IEEE, Springer, Elsevier, and other knowledge repositories.
- Highly qualified and experienced faculty maintaining the student-faculty ratio as per AICTE norms, fostering academic excellence, research, and mentoring.
- Excellent placement, internship, and career development opportunities with increasing participation from leading MNCs, SMEs, and industry partners.
- All eligible programmes accredited by NBA and the Institute accredited by NAAC with A++ Grade, ensuring quality education.

- ISO 9001:2015 Certified Institute with robust academic and administrative quality systems.
- Strong industry collaboration through MoUs, internships, live projects, consultancy, and industry-supported laboratories.
- Effective implementation of Outcome-Based Education (OBE) integrated with NEP 2020 graduate attributes, employability, and lifelong learning.

Vibrant student chapters, professional societies, innovation and entrepreneurship activities, along with community engagement, to ensure holistic student development.

ADCET is committed to offer excellent engineering education to prepare the graduates with domain knowledge, requisite skills and right attitude. The Programme educational objectives aim to prepare engineering graduates capable of addressing many issues related with the respective programme, both in the local and global context, and providing optimal engineering solutions with concern to economics, environment and ethics. Each stakeholder of the institute is committed to prepare the students who will develop their expertise in their specialization within three to four years of experience of working in the field and will have concern to many social and contemporary issues. The lifelong learning and self-study attitude developed during graduation will help them to upgrade technically and adapt to the changes constantly occurring in their field of specialization.

Programs Offered:

Table-1: Under Graduate (U.G.) Programs offered by the Institute			
Sr. No	Branch	Degree	Branch Code
1.	Mechanical Engineering	B. Tech. (Mechanical Engineering)	ME
2.	Electronics and Telecommunication Engineering	B.Tech. (Electronics and Telecommunication Engineering)	ET
3.	Computer Science and Engineering	B.Tech.(Computer Science and Engineering)	CS
4.	Electrical Engineering	B. Tech. (Electrical Engineering)	EE
5.	Civil Engineering	B. Tech. (Civil Engineering)	CV
6.	Automobile Engineering	B. Tech. (Automobile Engineering)	AU
7.	Aeronautical Engineering	B.Tech. (Aeronautical Engineering)	AE
8.	Food Technology	B. Tech. (Food Technology)	FT

9.	BBA	Bachelor of Business Administration	BB
10.	BCA	Bachelor of Computer Application	BC

The Undergraduate (UG) Programme is designed in accordance with the National Education Policy (NEP) 2020 and comprises courses in Humanities and Social Sciences (HS), Basic Sciences (BS), Engineering Sciences (ES), Professional Core (PC), Professional Electives (PE), Open Electives (OE), Multidisciplinary Minor, Vocational and Skill Enhancement Courses (VSEC), Ability Enhancement Courses (AEC), Value Added Courses (VAC), Project Work, Internship, Research, Mandatory Courses (MC), and Audit Courses (AC). The curriculum provides flexibility for students to pursue Minor, Honours, and Honours with Research pathways.

The curriculum is structured into four broad stages:

Stage I: The initial stage provides a strong foundation through courses in Basic Sciences, Humanities and Social Sciences, Engineering Sciences, Ability Enhancement Courses, and Skill Enhancement Courses. It develops analytical thinking, communication skills, digital literacy, environmental consciousness, and ethical values.

Stage II: The second stage emphasizes multidisciplinary and interdisciplinary learning through engineering science courses, professional foundation courses, open electives, and laboratory work. Students gain conceptual understanding while appreciating the interrelationship among science, engineering, technology, society, and sustainability.

Stage III: The third stage focuses on discipline-specific knowledge through Professional Core and Professional Elective courses, enabling students to develop competencies in analysis, design, innovation, problem-solving, and application of modern engineering tools. Experiential learning is strengthened through internships, industry interaction, field visits, project-based learning, and online learning platforms such as NPTEL/SWAYAM.

Stage IV: The final stage provides opportunities for advanced learning through capstone projects, internships, multidisciplinary projects, entrepreneurship, innovation, and research. Students opting for the Honours with Research pathway undertake research projects under faculty supervision, promoting critical thinking, research aptitude, and innovation.

The curriculum integrates Outcome-Based Education (OBE) with experiential learning, industry engagement, community service, environmental sustainability, and ethical practices. Through internships, industrial training, fieldwork, seminars, professional society activities, and extension programmes, students develop technical competence, leadership, teamwork, lifelong learning skills, and social responsibility, preparing them to contribute effectively to industry, academia, entrepreneurship, and society.

2.2. Institute Vision

To be a Leader in producing professionally competent engineers

2.3. Institute Mission

We at ADCET, Ashta are committed to achieve our vision by

- Imparting effective outcome-based education
- Preparing students through skill-oriented courses to excel in their profession with ethical values
- Promoting research to benefit the society
- Strengthening relationship with all stakeholders

Core Values:

- **Excellence:**
Our excellence is derived from a persistent commitment to hard work, diligence, perseverance, and consistency in the pursuit of the highest quality in whatever we do.
- **Collaboration:**
We value engagement and connection at multiple levels in our professional lives including work relationships, research, scholarship, service, and teaching and believe that collaboration is an important element of our professional success.
- **Integrity:**
An uncompromising commitment to honesty underlies everything we do.
- **Innovation:**
We value and support each other in taking risks and we strive to create economic and societal value.
- **Respect:**
We respect one another in an environment in which we value, consider, and are influenced by others 'feelings and perspectives.
- **Responsibility:**
Everyone understands the responsibility and strive to deliver in best possible manner and is ready for appraisal.

2.4. Admission

Admission to the Undergraduate (B.Tech.) programmes shall be governed by the rules, regulations, and eligibility criteria prescribed by the Government of Maharashtra, Directorate of Technical Education (DTE), Maharashtra, State Common Entrance Test Cell (CET Cell), Maharashtra, AICTE, UGC, and Shivaji University, Kolhapur, as amended from time to time.

A candidate seeking admission to the First Year B.Tech. programme shall have passed the Higher Secondary Certificate (HSC/12th Standard) examination of the Maharashtra State Board or its equivalent examination with Physics and Mathematics as compulsory subjects, along with one of the prescribed technical/vocational subjects, and shall have obtained the minimum qualifying marks as prescribed by the competent authority. The candidate shall also satisfy the eligibility criteria specified by the Government of Maharashtra and the CET Cell from time to time.

Admission to the programme shall be carried out through the Centralized Admission Process (CAP) or any other admission procedure notified by the competent authority. Eligible candidates possessing a three-year Diploma in Engineering and Technology satisfying the prescribed eligibility criteria may be admitted directly to the Second Year (Lateral Entry) of the B.Tech. programme, subject to the availability of seats and the rules prescribed by the competent authority.

Reservation of seats, concessions, and relaxation in eligibility criteria shall be applicable as per the prevailing policies, rules, and Government Resolutions of the Government of Maharashtra and other statutory authorities. The Institute shall adopt all admission-related provisions in accordance with the latest guidelines issued under NEP 2020, AICTE, UGC, DTE Maharashtra, the State CET Cell, and Shivaji University, Kolhapur, ensuring transparency, equity, inclusiveness, and quality in the admission process.

3. STRUCTURE AND CURRICULUM FRAMEWORK:

3.1. Credit Framework and Evaluation

Annasaheb Dange College of Engineering & Technology, Ashta, follows a Choice Based Credit System (CBCS) aligned with the National Education Policy (NEP) 2020, the National Credit Framework

(NCrF), AICTE guidelines, and the Government of Maharashtra directives for the Four-Year Multidisciplinary Undergraduate Engineering Programme.

Each academic programme is structured with credit-based courses distributed across various curriculum components, including Basic Sciences, Engineering Sciences, Professional Core, Professional Electives, Multidisciplinary Minor, Open Electives, Vocational and Skill Enhancement Courses (VSEC), Ability Enhancement Courses (AEC), Indian Knowledge System (IKS), Value Education **Courses (VEC)**, Internship/Apprenticeship, Community Engagement Projects, Co-curricular Courses, Project Work, and Research, as applicable.

The total credit requirement for the award of the B.Tech. degree shall be:

- **160–176 credits** for the Bachelor's Degree with a Multidisciplinary Minor.
- **180–194 credits** for the Bachelor's Degree with Honours, Honours with Research, or Double Minor, as prescribed under NEP 2020.

Students shall normally register for 20 to 24 credits per semester, with flexibility as permitted by the Academic Regulations and the National Credit Framework. Credits assigned to each course are based on the academic workload, including theory, laboratory, studio, workshop, field-based learning, seminars, internships, project work, and other experiential learning activities, in accordance with the National Credit Framework.

The Institute adopts a Learning Outcomes-Based Curriculum integrated with **Outcome-Based Education (OBE)**. Student performance is assessed through a continuous and comprehensive evaluation system, emphasizing the attainment of course outcomes and programme outcomes. The assessment process evaluates domain knowledge, practical and analytical skills, problem-solving ability, innovation, communication skills, professional ethics, teamwork, leadership, lifelong learning, and other graduate attributes through theory, laboratory work, projects, internships, seminars, presentations, and experiential learning activities.

The Institute also facilitates credit transfer through the Academic Bank of Credits (ABC), supports multiple entry and multiple exit, and encourages online, blended, and multidisciplinary learning in

accordance with NEP 2020 and the prevailing regulations of AICTE, UGC, the Government of Maharashtra, and Shivaji University, Kolhapur.

3.2 Duration of the Programme

3.2.1 Regular Entry (First Year B.Tech.)

The B.Tech. programme shall extend over four academic years comprising eight semesters, leading to the award of the Bachelor of Technology (B.Tech.) degree. Under the NEP 2020 framework, students may also be eligible for the award of UG Certificate, UG Diploma, or Bachelor's Degree through the Multiple Entry and Multiple Exit provisions, subject to fulfilment of the prescribed credit requirements and other conditions. Students who discontinue the programme may re-enter within the stipulated period in accordance with the Academic Bank of Credits (ABC) and the Institute's academic regulations.

3.2.2 Lateral Entry (Direct Second Year)

Students admitted directly to the Second Year (Third Semester) under the Lateral Entry Scheme shall complete all the academic requirements the provisions relating to Academic Bank of Credits (ABC), credit transfer, re-entry, and multiple entry and exit, wherever applicable, shall be governed by the prevailing regulations of NEP 2020, AICTE, the Government of Maharashtra, Shivaji University, Kolhapur, and the Institute.

3.3. Medium of Instruction

The medium of instruction, examination, project work, seminars, presentations, and all other academic activities of the Institute shall be English. Students are expected to attain proficiency in English to effectively participate in teaching-learning processes, research, industry interactions, and professional communication. The Institute also promotes the development of communication skills through Ability Enhancement Courses (AEC) in accordance with the provisions of NEP 2020.

3.4. Minimum Instructional Days and Contact Hours

Each semester shall ordinarily comprise **13–15 weeks of instruction**, excluding the **End Semester Examination (ESE)** period. The academic calendar shall be designed to ensure effective completion of the prescribed curriculum, continuous assessment, laboratory work, project-based learning, internships, and other academic activities.

The **faculty–student contact hours shall normally be 30 hours per week**, including theory, tutorials, laboratory sessions, workshops, seminars, project work, and other structured academic engagements.

The Institute shall ensure that the prescribed instructional weeks and contact hours are completed through classroom teaching, blended learning, laboratory work, fieldwork, internships, and other experiential learning activities in accordance with the curriculum and academic regulations.

3.5. Curriculum Structure and Contents

Each academic programme shall have a well-defined curriculum approved by the respective **Board of Studies (BoS)** and the **Academic Council** of the Institute. The curriculum specifies the semester-wise course structure, credit distribution, learning outcomes, and evaluation scheme in accordance with the provisions of **NEP 2020**, AICTE, UGC, Government of Maharashtra, and Shivaji University, Kolhapur. The curriculum and detailed syllabus for each programme are reviewed and revised periodically to incorporate emerging technologies, industry requirements, research, innovation, multidisciplinary learning, and stakeholder feedback. The latest approved curriculum and syllabi are available on the **Institute website** under the **respective Department webpage** → **Syllabus** section.

3.6. Academic Semester System

The academic year is divided into two regular semesters. The semester commencing in July is designated as the Odd Semester, while the semester commencing in January is designated as the Even Semester.

Each semester normally comprises 13–15 weeks of instruction, followed by continuous assessment, End Semester Examination (ESE), evaluation, and declaration of results. The total duration of a semester is generally 25 weeks, including instructional activities, examinations, evaluation, and publication of grades.

3.7. Multidisciplinary Curricular Framework

A Multidisciplinary Curriculum Framework is an important tool in setting the right direction for a degree program, as it considers how much and what kind of knowledge a student must acquire to qualify for a specific degree. In addition, it helps assign credits to each course, sequence the courses semester-wise, and determine the total number of courses a student must study to fulfill a particular degree requirement.

The NEP curriculum framework offers

- Having the freedom to switch between disciplines;

- The ability for learners to choose the courses of their interest across all disciplines;
- It offers multiple entry and exit options, with awards ranging from UG certificates to UG diplomas to three-year degrees;
- Flexibility to move between institutions so that learners can acquire multi- and/or interdisciplinary knowledge;
- Learners have the option to switch between alternative modes of learning (offline, online, and blended).

Table-1: A Typical Framework for B. Tech Program showing Category-wise Credit Distribution (One Major, Multidisciplinary Minor)

Verticals		Total Credits	ADCET Credits
Basic Science Course	BSC/ESC	14 - 18	14 – 16
Engineering Science Course		12 - 16	12 – 14
Programme Core Course	Program Courses	44 - 56	74 – 80
Programme Elective Course		20	
Multidisciplinary Minor	Multidisciplinary Courses	14	14
Open Elective		08	08
Vocational & Skill Enhancement	Skill Courses	08	08
Ability Enhancement Courses	Humanities Social Science and Management	04	14
Entrepreneur / Management Courses		04	
Indian Knowledge System		02	
Value Education Course		04	
Internship	Experiential Learning Courses	08	18
Research Methodology & Project		08	
CEP/F. P.		02	
Co-curricular & EC (CCA)	Liberal Learning Courses	06	04
Total Credits		160-176	170

Minimum 50% of total credits through Core Courses are confirmed.

3.8. Course Numbering Scheme

Course numbers are denoted by eight alpha-numerals: Example: 0MEBS205: Numerical Methods

Table-2: Course Code Description

First Digit	Second and Third Digits	Fourth and Fifth Digits	Sixth Digit	Seven and Eight Digits
Indicate Revision Number	Indicate Branch	Indicate Course Category	Indicate Year of Programme	Indicate Subject Code
0: Initial Revision 1: First Revision 2: Second Revision	ME: Mech. Engg. CE: Civil Engg. EE: Electrical Engg.	PC: Program Core PE: Program Elective BS: Basic Sciences ES: Engg. Sciences HS: Humanities and Social Sciences VC: Vocational and Skills Courses EL : Experiential Learning Courses CC : Co-curricular Courses	1: First Year 2: Second Year 3: Third Year 4: Final Year	01: First Subject 02: Second Subject 03: Third Subject

3.9. Course Credit System/Structure:

Typically, a set amount of work expressed in terms of credits is established as the prerequisite for a specific programme. According to Table 3, the number of credits for a course in any semester is calculated. There are mainly different types of courses - Theory courses, Laboratory courses, Integrated Theory cum Practical Courses and Courses of Special Nature such as Mini-Projects and Projects etc. A theory course may consist of Lecture hours (L) and Tutorial hours (T). Laboratory course consists of practical hours (P) for which a student works in a Laboratory/Drawing Hall/Workshop. The other courses required to be taken by a student include seminar, mini project, and project at various levels of the program. Special courses like industrial training, internship with due credits and shall be reflected in the grade card.

Table-3: Credits for a course

Sr. No	Course	Credits
1.	Lecture of 1 hour/week	1
2.	Tutorial of 1 hour/week	1
3.	Practical of 2 hours / week	1

Table-4: A Typical Credit Structure

L	T	P	Credits L : T : P	Total Credits	Total Contact Hours
3	0	0	3:0:0	3	3
3	1	0	3:1:0	4	4
3	1	2	3:1:1	5	6
3	0	4	3:0:2	5	7
0	0	4	0:0:2	2	4

Note: L – lectures: hrs/week; T – Tutorials: Hrs/week; P – Practical: Hrs/Week. A student shall earn credits for a particular course by fulfilling the minimum academic requirements for attendance and evaluation.

3.10 Course Categories

3.10.1. Programme Courses (PC)

Programme Courses provide the fundamental and advanced knowledge required in the chosen engineering discipline. These courses develop scientific, analytical, design, and problem-solving skills essential for professional practice.

- Basic Science Courses (BSC): Courses in Mathematics, Physics, Chemistry and other basic sciences that provide the scientific foundation for engineering.
- Engineering Science Courses (ESC): Courses that introduce fundamental engineering concepts, tools, and principles common to multiple engineering disciplines.
- Programme Core Courses (PCC): Mandatory discipline-specific courses that develop the core competencies required for the degree programme.
- Programme Elective Courses (PEC): Advanced elective courses that allow students to specialize in selected domains of the programme.

3.10.2 Multidisciplinary Courses (MC)

These courses promote multidisciplinary learning and flexibility in accordance with NEP 2020.

- Multidisciplinary Minor (MDM): A structured set of courses from another discipline enabling students to acquire knowledge beyond their major programme.
- Open Elective (OE): Courses offered by other departments that broaden students' academic exposure and promote interdisciplinary learning.

3.10.3. Skill Courses (SC)

These courses focus on developing practical, technical, vocational, digital, and employability skills relevant to industry and society.

- Vocational and Skill Enhancement Courses (VSEC): Courses designed to enhance hands-on skills, industry readiness, entrepreneurship, and lifelong learning.

3.10.4. Humanities, Social Sciences and Management Courses (HSSM)

These courses develop communication skills, ethical values, leadership, management capabilities, and social awareness.

- Ability Enhancement Courses (AEC): Courses that strengthen communication, language proficiency, critical thinking, and professional competencies.
- Humanities, Social Sciences and Management Courses (HSSM): Courses that provide knowledge of economics, psychology, sociology, management, ethics, environmental studies, and related disciplines.
- Entrepreneurship and Management Courses (EMC): Courses that promote innovation, entrepreneurship, business management, leadership, and startup culture.

3.10.5. Experiential Learning Courses (ELC)

These courses provide experiential and practice-oriented learning through industry interaction, field exposure, research, and project work.

- Internship: Industry, research, or community-based training providing practical exposure.
- Community Engagement Project (CEP)/Field Project (FP): Activities addressing societal problems through field-based learning and community participation.
- Research Methodology and Project Work: Courses that develop research aptitude, innovation, design thinking, experimentation, and project management through supervised research and capstone projects.

3.10.6. Liberal Learning Courses (LLC)

These courses foster holistic development, ethical values, cultural awareness, and lifelong learning.

- Indian Knowledge System (IKS): Courses introducing India's traditional knowledge systems, scientific heritage, philosophy, culture, and sustainable practices.
- Value Education Courses (VEC): Courses promoting professional ethics, constitutional values, environmental responsibility, and human values.

- Co-curricular and Extracurricular Activities (CCA): Activities such as professional society participation, NSS, NCC, sports, cultural events, innovation competitions, and student clubs that contribute to personality development and holistic education.

4. REGISTRATION:

4.1 Registration for Courses (Regular Entry)

4.1.1 Every student shall register for the courses offered in each semester on the dates notified by the Institute. Registration shall be compulsory for all students until the successful completion of the programme. Only registered students shall be permitted to attend classes and appear for the prescribed assessments and examinations.

4.1.2 Registration shall be permitted only after payment of the prescribed Institute fees and fulfilment of all other academic and administrative requirements.

4.1.3 Registration shall be completed within the notified schedule. Late registration may be permitted with the approval of the Competent Authority on payment of the prescribed late registration fee.

4.1.4 A student shall register for the courses of the next semester subject to fulfilment of the eligibility requirements prescribed by the Institute. The registration shall be governed by the prerequisite structure, maximum and minimum credit limits, and other academic regulations approved by the Academic Council. Students having backlog courses shall register for such courses in accordance with the Institute's course registration policy and the availability of the courses.

4.1.5 The maximum and minimum credits that a student may register for in a semester shall be as prescribed in the curriculum and academic regulations. The Institute may permit additional credits for academically outstanding students or reduced credit registration in exceptional cases with the approval of the Competent Authority.

4.1.6 A student who has successfully registered for an Odd Semester shall normally be eligible to register for the corresponding Even Semester, subject to compliance with the applicable academic regulations, prerequisite requirements, attendance requirements, and payment of the prescribed fees.

4.1.7 The Institute shall facilitate Academic Bank of Credits (ABC), credit transfer, and multiple entry and multiple exit provisions in accordance with NEP 2020, AICTE, UGC, Government of Maharashtra, Shivaji University, Kolhapur, and the regulations framed by the Institute.

4.2. Direct Second Year Entry:

Candidates holding a Diploma in Engineering and Technology satisfying the eligibility criteria prescribed by the competent authority, may be admitted directly to the Second Year (Semester III) of the B.Tech. programme under the Lateral Entry Scheme. Such admissions shall be governed by the rules and regulations of the Government of Maharashtra, State CET Cell/DTE, AICTE, and other statutory authorities, as amended from time to time. Lateral Entry students shall fulfill all the academic requirements prescribed by the Institute.

For Lateral Entry students, there shall be no First Year Performance Index (FYPI). The Semester Performance Index (SPI) and Cumulative Performance Index (CPI) shall be computed from Semester III onwards based on the courses completed at Annasaheb Dange College of Engineering & Technology, Ashta.

5. CHANGE OF BRANCH

Students may apply for Change of Branch after successful completion of the First Year (Semesters I and II), subject to the following conditions:

5.1 Change of Branch shall be permitted strictly on the basis of merit, subject to the admission rules and guidelines issued by the Government of Maharashtra, State CET Cell, AICTE, and other competent authorities from time to time.

5.2 The change shall be considered only if the sanctioned intake of the desired programme is not exceeded after the transfer.

5.3 Students seeking a Change of Branch shall satisfy the eligibility criteria prescribed by the Institute and shall successfully complete the bridge courses, if any, recommended by the concerned Board of Studies (BoS).

5.4 Change of Branch shall be permitted only once, at the beginning of the Second Year (Semester III). No request for Change of Branch shall be entertained thereafter.

5.5 Students admitted under Supernumerary Quota (such as Tuition Fee Waiver Scheme (TFWS), Government of India (GoI), Jammu & Kashmir/Ladakh Quota, or any other supernumerary category notified by the competent authority) shall not be eligible for Change of Branch.

6. FACILITATION OF THE STUDENT

6.1. Faculty Mentor

Each student or a group of students shall be assigned a Faculty Mentor at the beginning of the programme. The Faculty Mentor shall guide, support, and monitor the academic progress and overall development of the assigned students throughout their programme.

The Faculty Mentor shall:

- Provide guidance on the curriculum, academic regulations, course registration, credit requirements, and programme progression.
- Monitor the academic performance, attendance, and overall well-being of the students.
- Identify and provide timely academic support to slow learners and encourage advanced learners.
- Guide students in selecting electives, multidisciplinary minors, honours, internships, projects, research, and career development opportunities.
- Promote participation in co-curricular, extracurricular, innovation, entrepreneurship, and community engagement activities.
- Maintain regular interaction with parents/guardians regarding the academic progress and overall development of their wards, whenever necessary.
- Counsel students on personal, professional, ethical, and career-related matters and refer them to appropriate support services, if required.

6.2. Academic Support for Students with Backlogs

A student having one or more backlog courses shall remain in regular contact with the Faculty Mentor, Course Coordinator, and Head of the Department for academic guidance and support. The student shall also keep his/her parents/guardians informed about his/her academic progress.

The Institute shall identify slow learners and students with backlog courses based on their performance in continuous assessments and attendance. Such students shall be provided with appropriate academic support through:

- Remedial coaching classes.
- Additional tutorial and doubt-clearing sessions.
- Academic counselling and mentoring.
- Special assignments and practice sessions.
- Continuous monitoring of academic progress and attendance.

The Institute shall communicate the student's academic performance, including Internal Assessments, Mid-Semester Examination, End-Semester performance (where applicable), and attendance, to the parents/guardians at least once during each semester. Parents/guardians are encouraged to maintain regular interaction with the Faculty Mentor and the Head of the Department to support the student's academic improvement and overall development.

The Institute has implemented a Weak and Bright Students Policy in alignment with the learner-centric principles of the National Education Policy (NEP) 2020. The policy provides structured academic support to slow learners through remedial classes, mentoring, bridge courses, and counselling, while offering advanced learning opportunities to bright students through honours/minor programmes, NPTEL/SWAYAM courses, research projects, internships, innovation activities, and competitive examination guidance. The policy aims to ensure inclusive education by enabling every student to achieve their full academic potential.

6.3 Concessions during Examination

The Institute shall provide appropriate examination concessions and facilities to Persons with Disabilities (PwD), students with Specified Disabilities, and students with temporary disabilities or intrinsic learning difficulties, as per the Government of Maharashtra/UGC/AICTE guidelines and Government Resolutions (GRs) in force from time to time.

Students seeking such concessions shall submit a written application to the Controller of Examinations along with the prescribed application form and supporting medical/disability certificates issued by the competent authority within the stipulated time.

The nature of examination concessions, eligibility criteria, and the procedure for availing the facilities shall be as prescribed in the applicable Government Resolution(s) and the Institute's examination regulations. The relevant GRs and implementation guidelines shall be available in the Office of the Controller of Examinations (CoE).

7. Conduct and Discipline

7.1 Every student shall maintain high standards of discipline, integrity, ethical conduct, and mutual respect within the Institute, hostels, during internships, industrial visits, online academic activities, and at all programmes organized by or on behalf of the Institute.

7.2 The Institute follows a zero-tolerance policy towards ragging, sexual harassment, discrimination, bullying, violence, substance abuse, cyber misconduct, and any other unlawful or unethical activity.

Such cases shall be dealt with strictly in accordance with the applicable regulations of UGC, AICTE, the Government of Maharashtra, and other statutory authorities.

7.3 The following acts shall constitute misconduct and may invite disciplinary action:

- Ragging in any form.
- Sexual harassment, discrimination, bullying, intimidation, or physical or verbal abuse.
- Damage to Institute, hostel, library, laboratory, or public property.
- Possession, consumption, or distribution of alcohol, narcotic drugs, tobacco products, or any prohibited substances within the Institute premises.
- Theft, vandalism, or unauthorized possession of Institute property.
- Misuse or mutilation of library resources, laboratory equipment, ICT facilities, or other Institute infrastructure.
- Cyber misconduct, including unauthorized access, hacking, plagiarism, data theft, or misuse of digital resources.
- Possession of weapons, explosives, or any prohibited articles.
- Disruption of academic activities, examinations, official functions, or any activity affecting the academic environment.
- Any other act considered by the Institute to be a serious breach of discipline or the Code of Conduct.

7.4 Depending upon the nature and gravity of the misconduct, disciplinary action may include warning, counselling, community service, fine, withdrawal of privileges, suspension from classes or hostel, debarring from examinations, rustication, or expulsion from the Institute, as per the applicable rules.

7.5 Minor disciplinary matters arising in the Department, classroom, laboratories, or hostels shall ordinarily be dealt with by the Faculty Mentor, Course Coordinator, Hostel Rector, or Head of the Department, as applicable.

7.6 Cases involving serious misconduct or matters beyond the jurisdiction of the Department shall be referred to the Dean (Student Affairs) for appropriate action.

7.7 Major disciplinary cases shall be examined by the Students' Disciplinary Committee constituted by the Director. The Committee shall follow the principles of natural justice before making its recommendations.

7.8 Cases relating to adoption of unfair means in examinations shall be dealt with in accordance with the Examination Regulations and the decisions of the Unfair Means Committee constituted by the Controller of Examinations.

7.9 A student aggrieved by any disciplinary action may submit an appeal to the Director within the prescribed time. The decision of the Director, based on the recommendations of the appropriate committee, shall be final and binding.

8. ACADEMIC CALENDAR:

The academic activities of the Institute shall be governed by the Academic Calendar approved by the competent authority. The Academic Calendar shall include the schedule of commencement and conclusion of semesters, course registration, instructional weeks, examinations, vacations, holidays, declaration of results, and other academic activities.

Based on the Institute Academic Calendar, each Department shall prepare its Department Academic Calendar, incorporating programme-specific academic activities such as course delivery plans, laboratory schedules, project reviews, industrial visits, seminars, internships, expert lectures, co-curricular and extracurricular activities, and other departmental events.

The Academic Calendar shall be made available to students, faculty members, and other stakeholders through the **Institute website** and other official communication channels. All students and faculty members shall strictly adhere to the Academic Calendar to ensure the timely completion of academic and examination-related activities. Any deviation shall require the approval of the competent authority.

9. ATTENDANCE REQUIREMENTS

9.1 Students are expected to maintain 100% attendance in all registered academic activities, including lectures, tutorials, laboratory sessions, seminars, internships, project work, and other curricular components. Attendance shall be recorded and monitored throughout the semester. Students shall be informed periodically regarding any shortage of attendance.

9.2 A student shall maintain a minimum of 75% attendance in each registered course to be eligible to appear for the End Semester Examination (ESE). Absence up to 25% may be considered only on valid grounds such as illness, hospitalization, bereavement in the family, participation in Institute-approved activities, or any other genuine reason supported by documentary evidence.

9.3 Attendance concession for participation in NCC, NSS, sports, cultural, technical, co-curricular, extracurricular activities, competitions, internships, innovation, entrepreneurship, or other Institute-approved events shall be considered as per the Institute policy, subject to prior approval of the competent authority.

9.4 The Department shall review cases of attendance shortage and recommend appropriate action to the Dean (Academics).

9.5 The action for shortage of attendance shall be as follows:

1. A student having less than 75% attendance in one or more course may, based on the merit of the case and with the recommendation of the Department and approval of the Dean (Academics), be permitted to undergo remedial coaching/academic engagement prescribed by the Department. Upon satisfactory completion of the remedial requirements, the student may be permitted to appear for a Make-up End Semester Examination, subject to the Institute regulations.
2. A student having less than 75% attendance in two or more courses shall normally be detained for the semester and shall be required to re-register for the concerned courses/semester as per the Institute regulations.

10. MODES OF ASSESSMENT:

10.1. Assessment of Theory Courses:

10.1.1 Student performance in each theory course shall be assessed through In-Semester Evaluation (ISE), Mid-Semester Examination (MSE), and End-Semester Examination (ESE).

10.1.2 The assessment scheme for theory courses having an End-Semester Examination shall be as follows:

Table-6: Weightage for Theory courses with ESE		
ISE	MSE	ESE
40	30	30

The detailed assessment scheme for each course shall be specified in the respective curriculum.

10.1.3 The In-Semester Evaluation (ISE) shall be based on continuous and comprehensive assessment through activities such as quizzes, assignments, tutorials, case studies, seminars, presentations, laboratory-related assignments, project-based learning, problem-solving exercises, group discussions, or any other innovative assessment methods. The evaluation shall be rubrics-based, ensuring transparency, consistency, and alignment with the Course Outcomes (COs) and the expected learning outcomes. The

Course Coordinator shall communicate the assessment scheme, evaluation criteria, and rubrics to the students at the beginning of the semester.

10.1.4 The Mid-Semester Examination (MSE) shall ordinarily be conducted for 50 marks with a duration of 2 hours and shall be converted to 30 marks. The examination shall normally cover the first 50% of the syllabus (generally the first three units) and shall be conducted by the Controller of Examinations (CoE) as per the Academic Calendar. The detailed timetable shall be notified at least two weeks before the commencement of the examination.

10.1.5 The End-Semester Examination (ESE) shall ordinarily be conducted for 50 marks and 2 hours duration, which shall be converted to 30 marks and the examination shall cover the remaining syllabus. To pass a theory course, a student shall satisfy both of the following conditions: a) Secure a minimum of 40% marks in the In-Semester Evaluation (ISE), i.e., 16 out of 40 marks. b) Secure a minimum of 40% marks in the combined Mid-Semester Examination (MSE) and End-Semester Examination (ESE), i.e., 24 out of 60 marks. A student who fails to satisfy either of the above requirements shall be declared unsuccessful in the course and shall be governed by the relevant Make up-examination provisions of the Institute.

10.1.6 There shall be no re-examination for ISE and MSE. Students absent due to genuine reasons may be permitted to complete the missed assessment through a make-up internal assessment, subject to the recommendation of the Department Head and approval of the Dean (Academics) / Director.

10.1.7 A student who is absent for the End-Semester Examination (ESE) due to genuine reasons shall be awarded the temporary grade "II" (Incomplete). The Make-up End-Semester Examination shall replace the MSE and ESE components. Such a student may be permitted to appear for the Make-up End-Semester Examination of 100 marks covering the entire syllabus, The marks obtained in the In-Semester Evaluation (ISE) shall not be considered for the final assessment. The final grade shall be awarded based solely on the performance in the 100-Mark Make-up End-Semester Examination.

10.1.8 The Course Coordinator shall design ISE activities to ensure comprehensive assessment of Course Outcomes (COs) across different cognitive levels, emphasizing conceptual understanding, application, analysis, design, problem-solving, innovation, and communication skills.

10.2. Assessment of Laboratory Courses:

10.2.1 The performance of a student in a laboratory course shall be evaluated through continuous assessment and the End Semester Practical Examination (ESE). The assessment pattern shall be as follows: The assessment scheme shall be as follows:

- Continuous Assessment (CAS): 25 Marks, and/or Term Work/Assignments/ ISE Performance: 25 Marks, as per curriculum structure
- End Semester Practical Examination (ESE) – 50 Marks

The Continuous Assessment shall be rubrics-based and shall evaluate the student's performance in the Cognitive, Psychomotor, and Affective domains, ensuring alignment with the Course Outcomes (COs). The detailed assessment criteria shall be rubrics-based and communicated to the students at the beginning of the semester.

10.2.2 The End Semester Practical Examination (ESE) shall be conducted for 50 marks and shall ordinarily consist of the performance of one or more experiments, practical problem-solving, viva-voce/oral examination, and evaluation of the practical competencies attained by the student.

10.2.3 A student shall secure a minimum of 40% marks separately in the Continuous Assessment (ISE) (i.e., 20 out of 50 marks) and 40% marks separately in the End Semester Practical Examination (ESE) (i.e., 20 out of 50 marks) to pass the laboratory course.

10.2.4 The End Semester Practical Examination shall normally be conducted after the completion of the theory examinations by a panel of Internal and External Examiners approved by the Board of Studies (BoS). The examination shall be coordinated by the Department Examination Coordinator (DEC) in consultation with the Head of the Department, as per the guidelines issued by the Controller of Examinations (CoE).

10.2.5 A student failing in the End Semester Practical Examination (ESE) shall be eligible to appear for the Make Up Practical Examination.

10.3 Assessment of Courses of Special Nature (Mini Project, Major Project, Internship, etc.)

10.3.1 A student shall register for courses of special nature, such as Mini Project, Major Project, Internship, Capstone Project, Research Project, or other experiential learning courses, as prescribed in the curriculum, with the approval of the Head of the Department.

10.3.2 The Head of the Department shall constitute student batches and allot Faculty Guides/Project Supervisors. Unless otherwise specified in the curriculum, a maximum of four (4) students may undertake a Mini Project or Major Project as a group. Individual projects may also be permitted wherever required by the nature of the work or as approved by the Department.

10.3.3 The topic shall preferably address real-world engineering problems, industry needs, societal challenges, entrepreneurship, innovation, product development, research, or interdisciplinary applications. The work may involve theoretical analysis, simulation, experimental investigation, prototype development, design and fabrication, software development, field studies, data analytics, case studies, or any other outcome-based activity.

10.3.4 The progress of the student shall be monitored continuously by the Faculty Guide through periodic reviews. The evaluation shall be rubrics-based and aligned with the Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs), wherever applicable.

10.3.5 The assessment shall consider, as applicable:

- Problem identification and literature survey.
- Innovation, creativity, and technical quality.
- Planning, execution, experimentation, and analysis.
- Prototype/model/software development, wherever applicable.
- Report writing, documentation, and plagiarism compliance.
- Presentation, demonstration, viva-voce, and communication skills.
- Teamwork, professional ethics, project management, and overall outcome.

10.3.6 The Project Report shall be submitted within the schedule notified by the Department. Students shall present their work before the evaluation committee as prescribed by the Department.

10.3.7 The Project Report shall ordinarily be evaluated by a Departmental Evaluation Committee comprising faculty members nominated by the Head of the Department.

10.3.8 The Mini Project, Major Project, Internship, and other experiential learning courses, wherever applicable, shall be evaluated jointly by Internal and External Examiners approved by the Board of

Studies (BoS). The evaluation shall include the continuous assessment by the Faculty Guide, project report, presentation, demonstration, and viva-voce as per the approved assessment scheme.

10.3.9 A student shall secure the minimum passing criteria prescribed in the assessment scheme to successfully complete the course.

11.THE GRADING SYSTEM:

11.1 PASSING CRITERIA

There shall be no separate minimum passing marks for MSE and ESE. For passing a theory course, a student shall secure a minimum of 16 marks out of 40 in ISE and a minimum of 24 marks out of 60 in the combined MSE and ESE component. Presence in both MSE and ESE shall be mandatory.

A student absent in either MSE or ESE shall be assigned an “II” grade and shall not be declared pass in the course, irrespective of the combined marks obtained. Passing separately in ISE and in the combined MSE–ESE component is mandatory.

For every course, student must secure minimum 40% marks in each assessment tool as per following table.

Theory Integrated Practical Course

	Theory			Practical	
Examination	ISE	MSE	ESE	ISE	ESE
Marks	Specified by course teacher	50 Marks	50 Marks	50 Marks	50 Marks
Duration		2 / 2:30 Hours		---	---
Contribution	40%	30%	30%	100%	100%
Min. Passing Marks	16 (Out of 40)	24 (Out of 60)		20	20

11.2 GRADING SYSTEM (Relative Grading System-Statistical Method):

If the number of registered students is twenty (20) or more, Relative Grading shall apply.

Grade Table for Regular Semester			
Letter Grade	Grade Determination Range	Grade Point	Description of performance
AA	$M \geq K_1$	10	Excellent
AB	$K_1 > M \geq K_2$	9	Very Good
BB	$K_2 > M \geq K_3$	8	Good
BC	$K_3 > M \geq K_4$	7	Fair
CC	$K_4 > M \geq K_5$	6	Above Average
CD	$K_5 > M \geq K_6$	5	Average
DD	$K_6 > M \geq K_7$	4	Below Average
FF	$M < K_7$	0	Fail
XX	--	0	Detained, Re-register for course
II	---	--	Incomplete (absent in MSE/ESE examination), eligible for re examination
PP	---	--	Passed (Audit Course)
NP	---	--	Not Passed (Audit Course)
DR	---	--	Dropped Out

Where M- Marks obtained out 100 for each course

TM- Combined weighted theory marks obtained out of 60 in the Mid-Semester Examination and End- Semester Examination

PM- Practical Marks obtained out of 25 or 50 for each course

K_1 - If Average marks for first top 10% students from respective course. If average marks of first top10% students are less than 80 Marks, then K_1 is highest mark for student in that course.

$$c = \frac{(k_1 - k_7)}{6}$$

$$k_2 = k_1 - c$$

$$k_3 = k_2 - c$$

$$k_4 = k_3 - c$$

$$k_5 = k_4 - c$$

$$k_6 = k_5 - c$$

$$k_7 = 40$$

Note: The same Grade Table and Grade Determination Range as prescribed for the regular semester shall be uniformly applied to Make-Up Examinations to ensure academic consistency, fairness, and parity in evaluation.

In courses with low enrolment (Bridge Courses / Additional / Equivalent Courses / Special Academic Cases) where the number of registered students is less than twenty (20), the course shall be evaluated using the Absolute Grading method.

Marks (% of Total)	Grade	Grade Point
$\geq 90\%$	AA	10
80 – 89%	AB	9
70 – 79%	BB	8
60 – 69%	BC	7
50 – 59%	CC	6
45 – 49%	CD	5
40 – 44%	DD (Pass)	4
$< 40\%$	FF (Fail)	0

11.3 CALCULATION OF PERFORMANCE INDICES

The performance indices viz. Semester Performance Index (SPI), First Year Performance Index (FYPI), Cumulative Performance Index (CPI) represent the performance of a student in a semester (SPI), cumulated for two semesters of first year (FYPI) and cumulated over all semesters from the third semester onwards till current semester (CPI) on a scale of 10.

11.3.1 Semester Performance Index (SPI):

- 1) The performance of a student in a semester shall be indicated by a number called SPI.
- 2) SPI shall be the weighted average of the grade points obtained in all the courses registered by the student during a semester.
- 3) If G_i shall be a grade with numerical equivalent as g_i obtained by a student for the course with credits C_i then, SPI for that semester is calculated using formula.

$$SPI = \frac{\sum_i C_i g_i}{\sum_i C_i}$$

where summation is for all the courses registered by a student in that semester. The calculated SPI is rounded off to two decimal places.

- 4) SPI shall be affected because of the grades “XX” and “FF” obtained by the student in any of the courses.
- 5) For the students acquiring “II” grade (which is only a temporary grade) in any of the courses, SPI, CPI shall be calculated only after make-up examination.
- 6) SPI once calculated shall never be modified.

11.3.2. First Year Performance Index (FYPI):

- 1) For a student registered in autonomous ADCET right from the First semester, First-Year-Performance-Index (FYPI) shall be calculated as weighted average of the grade points obtained in all the courses registered by him/her in semesters I and II only.

$$FYPI = \frac{\sum_i C_i g_i}{\sum_i C_i}$$

where summation is for all the courses registered by a student in first two semesters. FYPI shall be arrived when SPI for the second semester is calculated. FYPI shall be rounded off to two decimal places.

- 2) FYPI shall reflect all the courses undergone by a student in the first year including the courses in which he/she has failed. FYPI may get modified in the subsequent semesters whenever a student clears his/her first-year backlog courses.

- 3) If a student has been awarded “II” grade in the regular semester course of the first year then, FYPI shall be calculated after 100% examination.
- 4) If a student has obtained grade “FF” or “XX” at any time in any of the courses registered by him, then zero grade points corresponding to these grades shall be taken into consideration for calculation of FYPI.
- 5) If a student has a backlog of first year, then his/her FYPI shall be recalculated only after he/she clears his/her backlog.

11.3.3. Cumulative Performance Index (CPI):

- 1) An up-to-date assessment of the overall performance of a student for the courses from the first semester onwards till completion of the program shall be obtained by calculating an index called Cumulative Performance Index (CPI).
- 2) CPI is the weighted average of the grade points obtained in all the courses registered by a student since the beginning of the first semester of the program.

$$CPI = \frac{\sum_i C_i g_i}{\sum_i C_i}$$

where summation is for all the courses registered by a student from first semester till that semester. CPI shall also be calculated at the end of every semester from the first semester onwards and shall be rounded off to two decimal places.

- 3) CPI shall reflect all courses undergone by a student including courses in which he/she has failed. Thus, similar to SPI, “FF” and “XX” grade shall also affect the CPI of a student.
- 4) If a student is awarded with a pass-grade for a course in which he/she was awarded previously “FF” or “XX” grade then, CPI shall be calculated by replacing corresponding C_i and g_i in both numerator and denominator of the above formula. Thus, a course shall be included only once in CPI calculation. The latest performance of a student in a course shall be considered for CPI.

11.4 POLICY FOR AWARD OF GRACE MARKS FOR COURSE PASSING

11.4.1 Applicability

- Grace marks may be awarded only in the End-Semester Examination (ESE) or Make-Up Examination (MU Examination) to enable a student to pass a course and consequently clear the concerned semester.
- Grace marks may be awarded in a maximum of two courses in a semester.
- Grace marks shall not be treated as a right of the student and shall be awarded strictly in accordance with the rules approved by the Academic Council and/or Institute Examination Committee (IEC).

11.4.2 Eligibility Conditions

- The student shall have secured the prescribed minimum passing marks in the In-Semester Evaluation (ISE) of the concerned course.
- For the regular examination, the student shall have appeared in both the Mid-Semester Examination (MSE) and End-Semester Examination (ESE) of the concerned course.
- For the Make-Up Examination, the student shall have appeared for the complete Make-Up Examination of the concerned course.
- The shortfall in the prescribed passing marks shall be within the permissible grace-mark limit applicable to the concerned curriculum revision.
- Grace marks shall be awarded only when their addition enables the student to pass the concerned course and consequently clear the semester.
- Grace marks shall not be awarded in ISE, practical examination, oral examination, project, dissertation, seminar, internship, industrial training or any other course component not having a written examination.

11.4.3 Extent of Grace Marks

- A maximum aggregate of four grace marks may be awarded to a student in a semester.
- Grace marks may be awarded in a maximum of two courses.
- A maximum of three grace marks may be awarded in any one course.
- Accordingly, the maximum permissible distribution of grace marks may be:
 - 3 + 1 marks in two courses;
 - 2 + 2 marks in two courses; or
 - 3 + 0 marks in one course.

- A lower number of grace marks may be awarded depending on the actual shortfall, provided the total grace marks do not exceed four.
- Grace marks shall be applied to the combined MSE and ESE component out of 60.
- Grace marks shall be applied to the Make-Up Examination marks earned out of 60.
- Grace marks shall not be added to the ISE or MSE component.

11.4.4 Restrictions

- Grace marks shall not be awarded to a student whose result is withheld or against whom disciplinary action or an unfair-means/malpractice case is pending or has been established for the concerned examination.
- A student who has availed grace marks shall not be eligible for merit awards, ranks or medals based on the concerned examination result.
- Grace marks shall not be considered for CPI improvement, class improvement or for securing a higher class.

11.4.5 Result Indication:

- The award of grace marks shall be indicated by a “+” sign preceding the grade in the Grade Card and Ledger Copy of the concerned examination.

11.5. AMENDMENT OF RESULTS DUE TO ERRORS

In case it is found that the result of an examination has been affected by errors, the COE shall amend such result in such a manner as shall be in accordance with true position and make such declaration as is necessary. A report listing such amendments shall be submitted by the COE to Director. The amended results shall be endorsed by Director before its declaration. The error means i) error in computer / data entry, printing or programming ii) clerical error, manual / machine error, in totalling or entering marks on ledger register iii) error due to negligence or oversight of examiner or any other person connected with evaluation, moderation and result tabulation.

11.6 ACADEMIC PROGRESS RULES (ATKT RULES)

- 1) A student shall be allowed to register for the courses of the next year's odd semester (From third semester onwards) only if he/she has earned all the credits of the previous year and has earned at least 70% credits of the current year. If 70% calculation turns out to be a mixed number (integer + fraction) then only the integer part of that number shall be considered for deciding the eligibility for ATKT.

(For example, for registration of the fifth semester courses (i.e. Third year of program), a student must have earned all the credits of the first year and 70% credits of the second year. Similarly for registration of the seventh semester courses (i.e. Fourth year of program), a student must have earned all the credits of the second year and 70% credits of the third year.)

- 2) The maximum duration for getting B. Tech. degree for students admitted in the first semester of U.G. program shall be 16 semesters (Eight academic years) while for direct second year students admitted in the third semester shall be 12 semesters (Six academic years) from their date of admission. The maximum duration of the program includes the period of withdrawal, absence and different kinds of leaves permissible to a student but excludes the period of rustication of a student from the institute. However, genuine cases on confirmation of valid reasons may be referred to Academic Council for extending this limit by additional one year.
- 3) If a student is unable to gain all credits of first year in three years from the date of his/her admission, then he/she shall be declared as “Not Fit for Engineering” leading to discontinuation of his/her registration with the institute.
- 4) Depending upon the academic progress of a student, Academic Council may take a decision regarding continuation or discontinuation of his/her registration with the institute.

11.7 POLICY for award of GRACE MARKS FOR GETTING HIGHER CLASS

A Final Year B.Tech. candidate shall be eligible for class improvement grace marks under the following conditions:

- The student’s overall result is “Pass.”
- The student has obtained at least a “DD” grade in all courses of the Final Year (both semesters, if applicable).
- The student has not received any benefit of grace marks under Clause 5.4 during the last (8th) semester of the undergraduate program.
- The student’s Cumulative Performance Index (CPI) is short of the required threshold for securing the next higher class (e.g., Second Class or First Class).

If the above eligibility conditions are met, the student may be awarded grace marks as follows:

- Up to 01% (one percent) of the aggregate marks of the last semester of the program OR a maximum of 10 (ten) marks — whichever is less — shall be granted to elevate the student to the next higher class or grade, as applicable.

Methodology for Implementation:

1. The benefit of the above-mentioned grace marks shall be extended only for examinations where the provision for award of class is prescribed, i.e., the final year of the Undergraduate (UG) program.
2. A student who has applied for CPI (Cumulative Performance Index) improvement shall not be eligible to receive the benefit of grace marks for obtaining a higher class.
3. The grace marks awarded shall be indicated using the symbol ‘**’ placed in front of the Result and Grade on the Grade Card and in the Ledger copy of the concerned examination.

Table of CPI and Class for reference

Class	Pass Class	Second Class	First Class	First Class with Distinction
CPI	$CPI \geq 4.75$ and <5.75	$CPI \geq 5.75$ and <6.75	$CPI \geq 6.75$ and < 7.75	$CPI \geq 7.75$

CPI	6.25	6.75	7.25	7.75	8.25
Equivalent Percentage	55%	60%	65%	70%	75%

11.8 CPI IMPROVEMENT POLICY FOR AWARD OF DEGREE

The CPI Improvement Policy is intended to provide a one-time academic opportunity to students who have successfully earned all the credits prescribed for their programme but have not attained the minimum Cumulative Performance Index (CPI) required for the award of the degree. Under this policy, eligible students may improve their CPI by reappearing for selected courses having written examinations, subject to the prescribed eligibility conditions, course limits, examination procedure, and approval of the competent authority. The policy aims to support deserving students while maintaining fairness, transparency, and the academic standards of the Institute.

Accordingly, the following eligibility conditions and provisions shall apply:

- A student who has earned all the credits prescribed for the respective programme and has obtained a CPI greater than or equal to 4.00 but less than 4.75 shall be eligible for CPI improvement.
- The student may appear for improvement examinations in a maximum of five previously passed courses having a written examination.

- The courses may be selected from the Sixth, Seventh and/or Eighth Semesters.
- Courses involving only practical, oral, project, mini-project, seminar, internship, industrial training, or similar components shall not be eligible for CPI improvement.
- Once the courses are selected and the application is approved, the selected courses shall not be changed.
- The CPI improvement examinations shall be conducted only after the completion and declaration of the results of the Eighth Semester Make-Up Examination, according to a separate schedule notified by the Examination Section.
- The examination shall be based on the entire syllabus of the selected course and shall follow the examination pattern prescribed in the applicable curriculum.
- The better grade obtained between the original examination and the CPI improvement examination shall be considered for recalculating the CPI.
- For eligibility for the award of the degree, the revised CPI under this policy shall be restricted to 4.75, even if the CPI calculated after the improvement examinations exceeds 4.75.
- This opportunity may be availed only once and before the issuance of the Final Degree Certificate by Shivaji University, Kolhapur.
- If a student is found involved in any malpractice during the CPI improvement examination, the case shall be dealt with in accordance with the applicable unfair-means and malpractice provisions of these Rules and Regulations.
- The student shall be eligible for the award of the degree only after attaining the prescribed minimum CPI and fulfilling all other academic and examination requirements specified in these Rules and Regulations.

11.9 Conditions for Award of B. TECH Degree

Following rules prevail for the award of the degree.

- 1) A student has registered and passed all the prescribed courses under the general institutional and departmental requirements.
- 2) A student has obtained $CPI \geq 4.75$.
- 3) Institute authorities shall recommend the award of a B. Tech degree to a student who is declared to be eligible and qualified for the above norms. However, the final degree shall be conferred by University, Kolhapur.

- 4) Students availing Early Exit / Certificate / Diploma (as permitted under NEP-2020 Multiple Entry–Exit Framework) shall be awarded the respective credential only after fulfilling the specified credit, skill, and assessment requirements.

11.10 Nomenclature of Award / Degree Title to be Printed on Grade Card for B.Tech Programmes

The degree title printed on the Grade Card, Provisional Certificate, and Final Degree Certificate shall strictly adhere to the nomenclature approved by IEC / Applicable guidelines issued by UGC / AICTE / NEP-2020/ GR of Maharashtra. The award nomenclature shall reflect the exact academic pathway completed by the student.

To be eligible for the **(i) Under Graduate degree in Engineering (One Major, Multidisciplinary Minor)**, a student must have completed a minimum of 170 credits. If a student successfully completes additional courses comprising 14 credits, he or she will be qualified to receive an undergraduate degree with an additional minor in engineering. These could be obtained by successfully completing the corresponding courses from the different engineering programme baskets outside of the major discipline. These classes will be treated similarly to theory classes. These extra credits are included in the total of 170 credits required to earn an undergraduate engineering degree (one major, multidisciplinary minor).

S.No	Course Name	Credits	Semester
1.	Minor Course - 1	2	IV
2.	Minor Course - 2	3	V
3.	Minor Course - 3	3	VI
4.	Minor Course - 4	3	VII
5.	Minor Project	3	VIII

The Minor Programme will consist of four courses and a Minor Project that the students will select. These courses must be completed beginning in the Second Year - IV Semester and ending in the Final Year - VIII Semester.

If a student completes an extra 18 credits (i.e. $170 + 18 = 188$ Credits), he or she will be qualified for the **(ii) Under Graduate degree with Honors and Multidisciplinary Minor**. These should preferably be obtained through MOOCs, the title of which will be clearly communicated to candidates who would select the same from the baskets of courses (Major Discipline) offered by their parent department.

S.No	Course Name	Credits	Semester
1.	Honor Course - 1	3	IV
2.	Honor Course - 2	3	V
3.	Honor Course - 3	3	VI
4.	Honor Course - 4	3	VII
5.	Honor Project	6	VIII

The Honour Programme will include four courses and an Honor Project that students will select. These courses must be completed beginning in the Second Year - IV Semester and ending in the Final Year - VIII Semester.

If a student completes an additional 18 credits (i.e. $170+18 = 188$ Credits), he or she will be qualified for the **(iii) Under Graduate degree with Honors with Research and Multidisciplinary Minor**. An extra 18 credits will be obtained through a Course - Research Methodology (VI Semester) of 4 credits and the remaining 14 credits will be obtained through the Research Project (Dissertation) in Semesters VII and VIII of the Fourth Year. In this scenario, it is required to publish two research papers on the research topic in reputable research journals.

S.No	Course Name	Credits	Semester
1.	Research Methodology	4	VI
2.	Dissertation	14	VII & VIII

If a student completes an additional 14 credits (i.e. $170+14 = 184$ Credits), he or she will be qualified for **(iv) Under Graduate degree with Major Engineering Discipline and Double Minors (Multidisciplinary and Specialization Minors)**. These might preferable be obtained through MOOCs, the title of which will be clearly stated to student who choose the same from specialized disciplines offered by their parent department. These MOOCs must be completed beginning in the Second Year - IV Semester and ending in the Final Year - VIII Semester.

Eligibility for admission to the UG Bachelor's Degree with Double Minors / Honors and Multidisciplinary Minor / Honors with Research and Multidisciplinary Minor as per UGC guidelines:

- **Minimum CGPA/CPI of 7.5 or minimum 75% after second semester for UG Bachelor's Degree with Double Minor/ Honours and Minimum CGPA/CPI of 7.5 or minimum 75% after sixth semester for UG Bachelor's Degree with Research.**

11.11 Class Improvement Policy for Award of Second Class, First Class and First Class with Distinction

1. A student who has passed the undergraduate programme, earned all the credits prescribed for the respective programme and is eligible for the award of the degree may apply for Class Improvement for upgrading the final classification to Second Class, First Class or First Class with Distinction.
2. Class Improvement shall be permitted only before the issuance of the Final Degree Certificate by Shivaji University, Kolhapur.
3. The Class Improvement opportunity may be availed only once and within a maximum period of two academic years from the date of declaration of the final semester result, subject to the condition specified in Point 2.
4. This policy shall apply only to the improvement of the final class and shall not be used for clearing up failed courses or pending backlogs.
5. A student having any pending backlog, re-examination, result grievance or unresolved examination-related case shall not be eligible to apply for Class Improvement until the concerned matter is resolved and the student is declared to have passed the programme.
6. A student may select a maximum of five previously passed courses having a written examination from the Seventh and/or Eighth Semester.
7. Practical courses, oral examinations, projects, mini-projects, seminars, internships, industrial training and other courses not having a written examination shall not be eligible for Class Improvement.
8. Once the courses are selected and the application is approved, the selected courses shall not be changed.
9. The Class Improvement Examination shall be based on the entire syllabus of the selected course and shall follow the question-paper pattern prescribed for the 100% Examination under the applicable curriculum.
10. The student shall apply in the prescribed format to the COE Office, obtain approval from the Head of the Department and Dean (Academics), and pay the prescribed examination fee within the notified schedule.
11. The grades obtained in all the selected courses during the Class Improvement Examination shall be considered together for calculating the revised CPI. Selective retention or replacement of grades among the selected courses shall not be permitted.

12. The higher of the original CPI and the revised CPI obtained after the Class Improvement Examination shall be considered for declaration of the final result and classification.
13. Where the revised CPI is higher than the original CPI, the revised CPI and corresponding class shall replace the earlier CPI and classification in the Institute records.
14. If the revised CPI does not result in a higher class, the original CPI and classification shall remain unchanged.
15. If a student is found involved in malpractice during the Class Improvement Examination, the case shall be dealt with under the applicable unfair-means and malpractice provisions of these Rules and Regulations.
16. The detailed schedule, examination mode, application procedure and other operational instructions shall be notified separately by the COE Office.

12. CONCLUSIONS:

The academic policies regarding conduct of U.G. programs in autonomous Annasaheb Dange College of Engineering & Technology, Ashta are published in this document. The Academic Council shall reserve the right to modify these policies as and when required from the point of view of achieving academic excellence. In special cases (i.e. the cases not covered through above rules) the decision of Director (Chairman, Academic Council) shall be final and binding on all concerned. For the latest updated version, stake holders are requested to visit <http://adcet.ac.in>.

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