



## YEARLY STATUS REPORT - 2023-2024

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>		Annasaheb Dange College of Engineering and Technology, Ashta
• Name of the Head of the institution		Dr Laxman Yadu Waghmode
• Designation		Director
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		8600600700
• Alternate phone No.		8600600700
• Mobile No. (Principal)		8600600777
• Registered e-mail ID (Principal)		director@adcet.in
• Address		Annasaheb Dange College of Engineering and Technology, Ashta.
• City/Town		Ashta, Tal. Walwa, Dist. Sangli
• State/UT		Maharashtra
• Pin Code		416301
<b>2.Institutional status</b>		
• Autonomous Status (Provide the date of conferment of Autonomy)		08/06/2017
• Type of Institution		Co-education
• Location		Rural

• Financial Status	<b>Self-financing</b>
• Name of the IQAC Co-ordinator/Director	<b>Dr Abhijitkumar Anandrao Jadhav</b>
• Phone No.	<b>8600600700</b>
• Mobile No:	<b>9850409125</b>
• IQAC e-mail ID	<b>dean_qa@adect.in</b>
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.adcet.ac.in/aqar-reports">https://www.adcet.ac.in/aqar-reports</a>
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.adcet.ac.in/academic-calendar">https://www.adcet.ac.in/academic-calendar</a>

### 5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.01</b>	<b>2015</b>	<b>01/03/2015</b>	<b>31/12/2022</b>
<b>Cycle 2</b>	<b>A++</b>	<b>3.52</b>	<b>2023</b>	<b>08/07/2023</b>	<b>07/07/2028</b>

**6.Date of Establishment of IQAC**      **01/01/2013**

**7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

**8.Provide details regarding the composition of the IQAC:**

• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>
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<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>	
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
Preparation of proposal and necessary documentation and submission for the extension of autonomous status to the UGC, New Delhi. (UGC confer the Extension of Autonomous Status for next 10 years, i.e. till 2032-33)		
Preparation and documentation (prequalifier, SAR, and Peer Team Visit) for NBA Accreditation in Teir I for four UG programs. (Accreditation received by NBA, India till 30.06.2027 for four UG programs).		
Preparation of proposal and documentation for empowered autonomous status for affiliating Shivaji University, Kolhapur. (Conferred as empowered autonomous status by Shivaji University, Kolhapur).		
Faculty orientation program on Outcome Based Education (OBE) and NBA Accreditation.		
Induction program for newly joined faculty members at the Institute.		
<b>12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>		

Plan of Action	Achievements/Outcomes
Preparation of proposal and necessary documentation and submission for the extension of autonomous status to the UGC, New Delhi.	UGC confer the Extension of Autonomous Status for next 10 years, i.e. till 2032-33
Preparation and documentation (prequalifier, SAR, and Peer Team Visit) for NBA Accreditation in Teir I for four UG programs.	Accreditation received by NBA, India till 30.06.2027 for four UG programs
Preparation of proposal and documentation for empowered autonomous status for affiliating Shivaji University, Kolhapur.	Conferred as empowered autonomous status by Shivaji University, Kolhapur
Implementation of NEP-2020	This academic year the NEP-2020 curriculum was implemented for Second Year for all programs
Extension and Student Activities	Many extension and student activities were conducted under NSS, student chapters of various professional bodies and student associations of various programs.
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
IQAC	12/11/2024
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	

Year	Date of Submission
2023-24	10/01/2024

**15. Multidisciplinary / interdisciplinary**

Since 2017, when Annasaheb Dange College of Engineering and Technology, Ashta conferred with Autonomous Status, we have always encouraged the multidisciplinary/interdisciplinary approach through curriculum development, student extension activities and projects. Since 2017, we have conducted three curriculum revisions, implemented in 2017-18, 2019-20 and 2022-23. In the first revision of the curriculum, we offered multidisciplinary open electives along with multidisciplinary honours and minor degree certifications. In 2023-24, 24 students received honours and minor certifications. The current (2nd) curriculum revision is based on NEP-2020 guidelines and has 170 credits. Of these 170 credits, 22 are under Multidisciplinary Courses with heads of Multidisciplinary Minor and Open Elective. Various events are organized by multiple departments, which are multidisciplinary/interdisciplinary in nature, and students are encouraged to participate in these events. In addition, the Institute at the central level organized Discovery (Technical Symposium), Innovation (Project Competition) and Sneha (Annual Social Gathering), which are multidisciplinary/interdisciplinary in nature. We also encourage students to participate in various project competitions and SIH. One of our multidisciplinary student teams received a cash prize of Rs. 100000 in SIH 2023. We encourage students to work on interdisciplinary projects and problem statements and form a team of students from different disciplines.

**16. Academic bank of credits (ABC):**

An Academic Bank of Credit (ABC), which would digitally store the academic credits earned from various recognized HEIs so that the degrees from an HEI can be awarded, taking into account credits earned, is a vital component of the NEP-2020 that academic institutions need to implement. Integrating Higher Educational Institutions in a globalized space is critical and urgent as we move forward. Considering this, the Institute has been registered for the Academic Bank of Credits (ABC) on nad.digitallocker.gov.in. Students enrolled in the first year during the academic year 2022-2023 have been registered on the ABC portal. Further, the Institute has implemented online courses through national schemes like SWAYAM, NPTEL, Coursera, etc., for the students, considering credits earned against elective courses. The Institute shall make necessary arrangements and amendments to the academic system. A dedicated system shall be to promote effective management of the 'Academic

Bank of Credits'. Efforts shall be made to recognize, transfer and redemption of credits gained by the students appropriately. In the Academic year 2023-24, nearly 90% of students from FY B. Tech. and SY B. Tech. enrolled with ABC, and the student will benefit from credit transfer.

#### **17.Skill development:**

The National Education Policy (NEP) 2020 strongly emphasizes skill development to prepare students for the demands of the 21st-century workforce. It aims to integrate vocational education into mainstream education from an early stage (starting from class 6) to provide students with practical skills alongside their academic curriculum. The policy promotes practical-based learning, internships, and industry collaboration to bridge the gap between theoretical knowledge and real-world application. Additionally, NEP 2020 introduces flexible entry and exit options, allowing students to pursue skill development courses and gain certifications, diplomas, or degrees based on their interests and career goals. By fostering a culture of innovation and entrepreneurship, NEP 2020 seeks to equip students with essential skills such as critical thinking, problem-solving, and digital literacy, ensuring they are well-prepared for the evolving job market. At Annasaheb Dange College of Engineering and Technology, Ashta, we always encourage students' skill development by offering practical courses through the curriculum. We provide modern tools and infrastructure for skill development. We offered 08 out of 170 credits dedicated to skill courses in the second curriculum revision. We signed an MoU with Aspire Skill and Knowledge Pvt. Ltd., Pune, which offers students free-of-cost skill courses and is approved by the National Skill Development Corporations, Government of India.

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

The National Education Policy (NEP) 2020 emphasizes the appropriate integration of the Indian Knowledge System (IKS) into the educational framework. This includes teaching in Indian languages, incorporating traditional knowledge and cultural heritage into the curriculum, and utilizing online courses to make this knowledge accessible. NEP 2020 aims to preserve and revitalize India's rich linguistic diversity by promoting regional languages and dialects. Additionally, the policy encourages the inclusion of indigenous knowledge, such as traditional medicine, agriculture, and arts, to provide students with a holistic and culturally relevant education. This integration fosters a sense of pride and identity among students and ensures that the vast repository of Indian knowledge is

passed on to future generations. At Annasaheb Dange College of Engineering and Technology, Ashta, we planned to offer IKS courses through mock course in new NEP-2020 curriculum development through 2nd revision of the curriculum development.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, has effectively embraced Outcome-Based Education (OBE) to enhance the quality of its academic programs. The curriculum is meticulously designed to align with OBE principles, focusing on achieving specific learning outcomes that ensure students acquire the necessary knowledge, skills, and attitudes for their professional careers. ADCET employs various student-centric teaching methods, including experiential learning through practical exposure, internships, industrial visits, and projects. This approach bridges the gap between theoretical knowledge and real-world applications, providing students with hands-on experience. The assessment methods are also aligned with the desired learning outcomes, utilizing continuous assessment techniques such as quizzes, assignments, projects, and presentations to evaluate students' progress based on their ability to apply knowledge rather than rote memorization. Furthermore, ADCET conducts regular faculty development programs to equip teachers with the necessary skills for implementing OBE. These programs focus on innovative teaching methodologies, assessment techniques, and the use of technology in education. A robust feedback mechanism is in place to continuously improve the teaching-learning process, with feedback from students, alumni, and industry experts being collected and analyzed to make necessary adjustments to the curriculum and teaching methods. The institution regularly measures learning outcomes through various metrics and tools, identifying areas for improvement and ensuring that educational objectives are met effectively. By adopting OBE, ADCET aims to produce graduates who are not only academically proficient but also possess the practical skills and competencies required to excel in their professional careers. Due to this effort, all eligible programs are accredited by the NBA, India.

#### **20.Distance education/online education:**

The National Education Policy (NEP) 2020 emphasizes the importance of online education and credit transfer to create a more flexible and inclusive education system. It promotes using online platforms like SWAYAM, NPTEL, and V-Lab to provide students with access to high-quality educational resources and courses from reputed institutions. The policy also introduces the concept of the Academic Bank of Credits (ABC), which allows students to accumulate and



transfer credits earned from various courses, including those completed online. This system enables students to tailor their educational journey to their interests and career goals, facilitating lifelong learning and continuous skill development. By integrating online education and credit transfer, NEP 2020 aims to make education more accessible, equitable, and aligned with the needs of the modern workforce. We at Annasaheb Dange College of Engineering and Technology, Ashta, always encourage students to take multidisciplinary minor courses through online MOOC courses from NPTEL, and we also all use a credit transfer facility. We at the Institute developed a content creation lab facilitating faculty members in preparing the video lectures and editing facility. The videos are shared by faculty members on their YouTube channels and Google Classroom.

### Extended Profile

#### 1.Programme

1.1	8
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

#### 2.Student

2.1	2505
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2	539
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3	2505
Number of students who appeared for the examinations conducted by the institution during the year:	



File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>493</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2 Number of full-time teachers during the year:	<b>138</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	<b>120</b>
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	<b>442</b>
4.2 Total number of Classrooms and Seminar halls	<b>56</b>
4.3 Total number of computers on campus for academic purposes	<b>1108</b>
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	<b>1361.34965</b>
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	

## 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

As an autonomous institute, we have used authority to design and develop curricula since 2017, when UGC conferred Autonomous status to our institute. During these 7 years, we tried to design, develop and implement the advanced curriculum and accumulate the industry's new trends. During these years, three curriculum revisions have been carried out. The first revision of the curriculum (0th) was to bridge the gap between affiliating universities and autonomous curriculum; a second revision (1st) was based on the AICTE model curriculum, and presently, we are handling the third revision (2nd) is NEP-2020 complained curriculum.

The ADCET, Ashta has embraced the NEP-2020 to enhance its curriculum. The NEP 2020 emphasizes holistic development, focusing on cognitive and non-cognitive skills. ADCET has integrated these principles into its curriculum by promoting diversity, technological innovations. We cater through 170 credits aligned to a multidisciplinary approach, as mentioned in the NEP-2020 policy.

The curriculum is developed through brainstorming sessions and feedback from stakeholders, including students, parents, employees, alumni and industries at various stages of curriculum development. We follow a process in which we draft the course outcomes (COs) first and then develop the curriculum in line outcomes, while POs and PSOs as per NBA guidelines.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.adcet.ac.in/mechanical-engineering-syllabus">https://www.adcet.ac.in/mechanical-engineering-syllabus</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

8

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year**

**297**

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**1.2 - Academic Flexibility**

**1.2.1 - Number of new courses introduced across all programmes offered during the year**

**126**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**

**8**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

As the institute is very keen on curriculum design and development, as mentioned earlier, within 7 years of autonomous status, we revised the curriculum three times to introduce the cross-cutting issues industry related to professional growth through essential core engineering knowledge. The third revision of the curriculum, which is the latest curriculum revision we implemented, is the NEP-2020 policies in the curriculum, which includes verticals such as the Basic Science Courses, Engineering Science Courses, Program core courses, Programme Elective Courses, Multidisciplinary Minor courses, Open Electives, Vocational & Skill Enhancement courses, Ability Enhancement Courses, Entrepreneur / Management Courses, courses related to Indian Knowledge System, Value Education Courses, mandatory internship, mandatory Research Methodology, Projects and Liberal Learning Courses to cater the need of cross-cutting issues in ethics, gender, human values. All these verticals are divided into a total of 170 credits.

In addition to these 170 credits, we also offer certain additional credits to be earned by those interested and eligible to get additional Honors, Honors with research and Minor certification courses.

Per the directives from Shivaji University, Kolhapur, we offer a non-credit mandatory course on Environmental science in the second year of graduation, where students must complete one minor project.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above**

2917

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects**

771

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained**

A. All 4 of the above

**from 1) Students 2) Teachers 3) Employers  
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="http://adcet.grievanceportals.com/">http://adcet.grievanceportals.com/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="http://adcet.grievanceportals.com/">http://adcet.grievanceportals.com/</a>
Any additional information	<a href="#">View File</a>

**TEACHING-LEARNING AND EVALUATION**

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment of Students**

**2.1.1.1 - Number of students admitted (year-wise) during the year**

**598**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)**

**199**

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

We at Annasaheb Dange College of Engineering and Technology, Ashta, initiated the implementation of Outcome-Based-Education (OBE) in 2013. In this process, the expected outcomes are defined at the initial stage and with reference to it, the curriculum is designed, pedagogical strategies for teaching and learning are adopted, and assessment strategies are also used. So, every semester, the attainments are calculated based on the marks obtained in examinations, rubrics scores, and stakeholders' feedback based on predefined outcomes.

The target levels of attainment are also predefined, and they are decided by the faculty member of that course. The student learning level is expected to be calculated using numbers 0 to 3. The attainment of COs for each course is calculated in two types: direct and indirect. In direct attainment, we considered marks from In-semester evaluation (ISE), Mid-Semester-Examination (MSE), and End-Semester-Examination (ESE) having 90 %, while in indirect, we regarded as course-end survey rubrics with 10 % weightage. The COs are mapped with POs, and corresponding levels are also calculated.

We have a well-defined policy for identifying slow and advanced learners, separate corrective actions for weak students (like remedial classes and practical sessions), and encouraging tasks for advanced learners (NPTEL courses and Hackathons).

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 2.2.2 - Student – Teacher (full-time) ratio



Year	Number of Students	Number of Teachers
18/04/2024	2481	138

File Description	Documents
Upload any additional information	No File Uploaded

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

The faculties at ADCET, Ashta, are always encouraged to use the following instructional methods and pedagogical instructions. These methods were highly appreciated during a previous peer team visit by NAAC (June 2023). So, we appeal to all new faculty members to kindly continue with it.

**Student-centric methods:** Teachers actively engage students in the classroom, transforming them from passive to active learners through periodic questioning. Each course is carefully designed, highlighting course objectives and outcomes and aligning with Bloom's cognitive levels following program outcomes and specific goals.

1. **Experiential learning:** Experiential learning is an educational approach where students learn by engaging in direct experiences and reflecting on those experiences. This method emphasizes active participation and hands-on activities, allowing learners to apply theoretical knowledge in practical, real-world contexts. List of activities : In-Plant Training, Internship, Major/Minor/Micro Projects etc.
2. **Participative Learning:** Participative learning, also known as participatory or active learning, is an educational approach that emphasizes student engagement and involvement in the learning process. This method encourages learners to actively participate in their education through collaboration, discussion, and hands-on activities rather than passively receiving information from the teacher. List of activities : Seminar Presentation, Case Studies, Lab Trails etc.
3. **Problem-Solving:** Learning through problem-solving is an educational approach where students gain knowledge and skills by working through complex, real-world problems. This method encourages critical thinking, creativity, and the application of theoretical concepts to practical situations. List of

activities :Industry Projects,Hackathons.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.adcet.ac.in/files/ssr/2.3.1.zi_p">https://www.adcet.ac.in/files/ssr/2.3.1.zi_p</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Use of ICT-enabled tools for effective teaching and learning: The institute has an exclusive content creation laboratory for creating videos related to the courses. The faculty engages with students through online platforms like Zoom, Google Meet, and Microsoft Teams. Further, faculty members prepared the module videos and shared them with the students, which helped them learn during off time. The faculty utilizes Google Classroom and Google Sites to share notes, assignments, quizzes, etc. The institute encourages students to register for MOOC courses on NPTEL, Coursera, SAP, Udemy, Edx, etc. The library has e-resources like journals, DELNET, eBooks, NPTEL video lectures, and YouTube videos. Here are some commonly used ICT (Information and Communication Technology) tools in teaching and learning which will be helpful for new faculty members,

- Use of Smart Boards
- YouTube Channels
- Google Sites
- Google Classroom
- LMS: MOODLE
- Internet Connectivity in Every Classroom for online content delivery and references
- e- Resources
- Content Creation Lab
- Virtual Classroom Platforms- Zoom, Google meet, Microsoft teams
- Google forms
- Adobe Spark
- Microsoft Excel
- Use Google space.

Promoting the NPTEL course has had enormous success in the last three years, with 111 faculty members and 786 students completing

the NPTEL courses successfully. In the new NEP-2020 curriculum, we encouraged students to gain credits through various MOOC courses and avail themselves of the credit transfer facility.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.adcet.ac.in/mechanical-engineering-innovation-in-teaching-and-learning">https://www.adcet.ac.in/mechanical-engineering-innovation-in-teaching-and-learning</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

136

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The academic calendar and teaching plan are crucial for maintaining a structured and efficient educational environment in an autonomous institute. The academic calendar outlines essential dates and deadlines, ensuring that all stakeholders know the schedule and can plan accordingly. The teaching plan, on the other hand, provides a detailed roadmap for instructors, helping them to deliver the curriculum effectively and ensuring that learning objectives are met. Together, these tools facilitate smooth academic operations, promote consistency, and enhance the overall learning experience for students.

The responsibility of preparing the academic calendar lies with our institute's Dean of Academics. At the beginning of each semester, he prepares the academic calendar and presents it to the core committee for approval. He prepares the final academic calendar, has a detailed discussion with the core committee, and incorporates the suggestions. All other stakeholders must adhere to it and prepare teaching and assessment plans accordingly. Two mechanisms are in

place to check adherence to the academic calendar so that necessary corrective actions can be initiated.

1. Submission of weekly progress report
2. Submission of Monthly syllabus coverage

Corrective action may include adding extra lectures and practical at free slots or on weekends in the timetable so that the planned curriculum will be completed.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

138

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

44

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

966

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

6.78

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

3

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

**Implementation of e-governance in areas of operations:** The Institute always motivates and supports its stakeholders in implementing e-governance in every one of its systems. In the examination system, e-governance is implemented in the following way:

- Implement server-based Indigenous ERP software for pre-, on-examinations, and post-examination activities.
- Google platform-based appointment order issuing, question

paper setting, and feedback system were implemented successfully.

- Android App-based examination result declaration system successfully implemented with an indigenously developed Android application.
- Use online money transactions to the paper setter and examiners as a part of their remuneration.
- Use of QR code/UPI-based examination fee receives system.
- Blended coding and masking with the variable pattern were used to hide the identity during the assessment.
- Result declaration is possible within a week after the examinations end.
- Even and odd seating arrangement (Every block should contain two different branch students appearing for other courses)
- The model answer is made available to the students through Google Drive.
- All previous year's question papers are available for the public domain; students can access them through a Google Drive link.

[https://drive.google.com/drive/folders/1liVl9S1An1RKZvgC\\_s4ixZrboh6CWmzv?usp=sharing](https://drive.google.com/drive/folders/1liVl9S1An1RKZvgC_s4ixZrboh6CWmzv?usp=sharing)

- The mark sheet provided by the Institute has six security features for safety and to avoid duplication.
- 90 % of students enrolled for Academic Bank of Credits.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.adcet.ac.in/examination-cell">https://www.adcet.ac.in/examination-cell</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The program outcomes (POs) are the desirable skills that any engineering undergraduate must acquire during graduation and implement in the career. One of India's premium accreditation agencies supervising technical education is the National Board of Accreditation (NBA). NBA has already predefined the program outcome, and is available in its SAR. As a technical institute, we must use the same POs predefined by the NBA, which are 12 in number. In addition, we have 2 program-specific outcomes defined by respective

programs explaining the uniqueness of the department.

The POs are displayed at various locations along with the vision and mission of the Institute. A tentative list of places where these vision, mission, PEOs, POs and PSOs are displayed is as follows,

- Institute Administrative Wing
- COE office
- Hostels
- Sport complex
- Canteen
- Director Office
- Board Room
- Dean Office
- Office of the Head of Department
- Departmental Corridors
- Library
- Departmental Library
- Classrooms
- Laboratories
- Seminar Hall
- Notice Boards
- Department Academic Booklets
- Institute booklets
- College Annual Magazine
- Brouchers
- Department Newsletters, Technical Magazines
- Institute website
- Course files
- Social Media Accounts

While discussing the Course Outcomes (COs), we use the practice that each course teacher is free to articulate the course outcomes based on Bloom's Taxonomy. So, we have articulated at least 5 CO statements for all courses. The COs are displayed in the curriculum and course material.



File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://www.adcet.ac.in/uploads/syllabus/1726743868.pdf">https://www.adcet.ac.in/uploads/syllabus/1726743868.pdf</a>

### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

As mentioned earlier, all eligible programs of the Institute are accredited by NBA in tier I and II. The Institute was accredited by NAAC twice in consecutive two cycles with A and A++ grades. In the last cycle of accreditation, we scored 3.52 out of 4. Hence, the Institute has a history and legacy of quality milestones and has vigorously implemented Outcome-Based Education (OBE) in its system. As mentioned in 2.6.1, we have a system for articulating the structured POs and COs. A predefined mapping of CO-PO and levels of students' learning.

We designed and developed the curriculum and planned the assessment based on the predefined course outcomes. The Institute has a structured question paper structure where every question is aligned with COs and Bloom's Taxonomy Level. The ERP used at the office of the Controller of Examinations helps course coordinators with bitwise/ question-wise and COs-wise marks. It makes it easy to find the attainment for each CO for a course having a written examination. The Continuous assessment sheet is used to find COs' attainment in practical courses. Specific rubrics and feedback help to get scores for indirect attainment.

So, each department calculates attainment for COs, and with reference to the attainment of CO for all courses, the attainment of PO is calculated. This analysis is presented in IQAC with a plan of action for the next run for that course in the next academic year.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.adcet.ac.in/files/accreditation/nba.pdf">https://www.adcet.ac.in/files/accreditation/nba.pdf</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

537

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	<a href="https://examresult.adcet.ac.in/">https://examresult.adcet.ac.in/</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://www.adcet.ac.in/performance-survey>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The Annasaheb Dange College of Engineering and Technology (ADCET) in Ashta boasts a robust Research and Development (R&D) facility that fosters innovation and technological advancements. The R&D center has state-of-the-art laboratories and resources, enabling students and faculty to engage in cutting-edge research across various engineering disciplines. This facility supports academic study and encourages industry collaboration, providing a platform for the practical application of theoretical knowledge.

The Institute always promotes the research culture among the faculty members and students. We established a centre of excellence in every department to promote research and development facilities. Recently, during this academic year, we established a state-of-the-art art centre of excellence at the electrical engineering department, "Electrical Vehicle". The computing facility at the Institute is improving with the addition of a higher configuration of computing

centres.

During this year, we applied for an AICTE\_IDEA Lab, which will help the students and faculty members of the Institute and nearby society. The Institute is always keen to update the existing lab and research facility in various ways.

The Institute has a well-defined R and D policy clearly states the financial aspect and infrastructural facility utilization. It talks about the various research schemes, financial help for publication and attending the conferences.

In the academic year 2023-24, we allocated a Rs. 3.96 lakh fund for RnD activities and Rs. 7.77 lakh for seed money in the last three years.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.adcet.ac.in/files/research/R&amp;D-Policies.pdf">https://www.adcet.ac.in/files/research/R&amp;D-Policies.pdf</a>
Any additional information	No File Uploaded

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

5.31

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<b>No File Uploaded</b>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<b>No File Uploaded</b>
Any additional information	<b>No File Uploaded</b>

**3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**

6

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.2 - Resource Mobilization for Research**

**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

5.16

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<b>No File Uploaded</b>
Any additional information	<b>No File Uploaded</b>

**3.2.2 - Number of teachers having research projects during the year**

0

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>
Paste link for additional Information	<b>Nil</b>
List of research projects during the year	<a href="#">View File</a>

### 3.2.3 - Number of teachers recognised as research guides

**4**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<b>No File Uploaded</b>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

**2**

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<b>Nil</b>
Any additional information	<b>No File Uploaded</b>

## 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

**Our Institute always promotes innovation and creativity among the faculty and students. To encourage innovation and startup culture, we have a dedicated center of excellence dedicated to research activities with modern facilities at each department. To promote this ecosystem, we have registered the institute incubation centre as a Section 8 Company, namely "ADCET- Techno-Hub Incubation Centre." To date, 4 startups have been rolled out from this**

incubation centre.

Another outcome of this ecosystem is that faculty members participate actively in incubating and developing new products. In the last three years, 14 products have been developed by the faculty members. One of the student teams won an Rs. 4 Lakh Cash Prize in the UNESCO India Africa Hackathon and Smart India Hackathon (SIH). One of the student teams won 2nd prize in Maharashtra Startup Yatra 2022, State Level Competition Organized by Govt. of Maharashtra.

One of the critical aspects of this ecosystem is Intellectual Property Rights (IPR), which are essential for fostering innovation and creativity. They provide legal protection to creators and inventors, ensuring their work is recognized and rewarded. This protection encourages individuals and organizations to invest time and resources to develop new ideas, knowing their efforts will be safeguarded. A total of 18 IPRs were published by faculty members in the last academic year, 2023-24.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

23

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check**

A. All of the above

through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

17

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

49

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**

9



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**

**3.4.5.1 - Total number of Citations in Scopus during the year**

**3250**

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	No File Uploaded

**3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**

**3.4.6.1 - h-index of Scopus during the year**

**165**

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.5 - Consultancy**

**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**

**19.27**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

**433000**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The Institute has three levels of circles for promoting the extension activities. In the first stage, we have an active NSS, which is always promoted for performing extension activities that benefit society. The NSS is active in celebrating the birth and death anniversaries of freedom fighters and national leaders; they also celebrate national days and festivals, awareness campaigns, and help needy people. The list of activities conducted under NSS is attached to this essay.

Each department in our Institute has a dedicated student association, which also does certain extension activities. The

general activities performed by the student association include a tree plantation drive, a drive safety awareness, blood donation camps, celebrating national festivals, organizing a computer literacy campaign, donating goods to nursing homes and cultural programs and working as volunteers for various events and natural calamities.

At the institute level, a few activities are conducted, like health camps for women, computer literacy programs, helping gram panchayat test the drinking water facility, and helping gram panchayat in doing structural audits and drone surveys. ADCET, Ashta organized a sarpanch meet at the campus during this academic year, helping them in the admission process.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

11

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

13

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

**4317**

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**3.7 - Collaboration**

**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

**106**

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)**

**36**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<b>No File Uploaded</b>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

**The Annasaheb Dange College of Engineering and Technology (ADCET) in Ashta offers many infrastructural facilities to support its academic and extracurricular activities. The campus has modern classrooms, well-maintained laboratories, and a comprehensive library providing**

access to many books and digital resources. Additionally, ADCET boasts advanced research and development facilities, including specialized labs for various engineering disciplines. The Institute also provides excellent hostel accommodations, sports facilities, and a vibrant campus life, ensuring a conducive environment for holistic student development.

If we compare the essential requirements of an apex body, i.e., AICTE, New Delhi, and the infrastructural facilities available at the Institute, they are far more than what is required. To compare it, the following table is helpful,

S. N.

Particulars

Required as per AICTE

Available at ADCET

1.

Administrative Area

730 sq. m

3387 sq. m

2.

Amenities Area

370 sq. m

610 sq. m

3.

Instructional Area (Common Facilities)

1033 sq. m

3178 sq. m

4.

**Instructional Area**

6672 sq. m

14462 sq. m

5.

**No. of Classrooms**

22

48

6.

**No. of Tutorial Rooms**

6

18

7.

**No. of Laboratories**

52

99

8.

**No. of Drawing Halls**

02

02

9.

**No. of Seminar Halls**

01

08

10.

Workshop

400 sq. m.

1015 sq. m.

11.

Auditorium

Desirable

500 Capacity

12.

Sports Complex

Desirable

01 (1179 sq. m)

13.

No. of Hostels

Desirable

04

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.adcet.ac.in/sports">https://www.adcet.ac.in/sports</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The Annasaheb Dange College of Engineering and Technology (ADCET) in Ashta offers a variety of sports facilities to promote physical fitness and overall well-being among students. The campus features well-maintained sports grounds. Additionally, there are excellent



indoor sports facilities. ADCET encourages active student participation in various sports events and competitions, fostering a spirit of teamwork and healthy competition.

A dedicated sports complex building has three floors and one Olympic-level sports court to host basketball competitions for badminton (5 courts) and volleyball (2 courts). The ground floor has table tennis, billiards, chess, carom and snooker facilities. The second floor hosts a modern and well-equipped gymnasium with certified trainers. This facility is available for both boys and girls at dedicated time slots.

The third floor of this building is dedicated to the music room and yoga hall. The music room has all the musical instruments and trainers. We also offer a few vocational certification courses in music and yoga with the help of Shivaji University, Kolhapur.

**Outdoor Facilities:** Cricket, Volleyball, Football, Kho-kho, Kabaddi, Basket Ball Court

**Indoor Facilities:** Badminton Court, Basket Ball Court, Table Tennis Court, Snooker Hall, Well Equipped Modern Gymnasium, Yoga Hall, Music Hall

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.adcet.ac.in/sports">https://www.adcet.ac.in/sports</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

56

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in

Lakhs)

433.25322

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

## 4.2 - Library as a Learning Resource

### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The library at Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, is a knowledge and learning hub. It is well-stocked with a vast collection of books, journals, and digital resources, catering to the diverse academic needs of students and faculty. The library is automated using an Integrated Library Management System (ILMS), which streamlines the management of resources and enhances user experience. Additionally, ADCET's library provides access to e-journals, e-books, and various online databases, ensuring users access the latest information and research materials. The library also offers a conducive environment for study and research, with dedicated reading areas and computer facilities.

The library is implementing various e-governance initiatives for automation and catering to the needs of student and faculty members. The library is using the Library Management System (LMS) from Vidyasagar. In addition to that, we also have a Web OPAC Facility, which uses QR codes for quick access and memberships from DELNET, NDLI, and Shodhaganga.

In addition to this, the following are the other statistics of our library.

- Titles: 18066
- Volumes: 56863
- e-Books: 10164
- e-Journals: 1379
- Print Journals & Magazines: 75
- Digital Library: 48 Nodes, Video Lectures.
- Library Area: 1232 sq. m
- Reading room Capacity: 210 students

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.adcet.ac.in/library">https://www.adcet.ac.in/library</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

26.71

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

475

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The Annasaheb Dange College of Engineering and Technology (ADCET) in Ashta has established a comprehensive IT policy encompassing wi-fi, cyber security, and other critical aspects of information technology. This policy ensures that the Institution's digital infrastructure is secure, reliable, and accessible to all students and staff. By implementing robust cyber security measures, ADCET protects its network and data from potential threats, thereby maintaining the integrity and confidentiality of its information systems.

In addition to its IT policy, ADCET has allocated a dedicated budget for continuously updating and enhancing its IT facilities. This financial commitment underscores the Institution's recognition of the importance of staying current with technological advancements. The allocated budget upgrades hardware, software, and network infrastructure.

Furthermore, ADCET's investment in IT infrastructure supports a wide range of academic and administrative functions. The Institution's wi-fi network is designed to provide reliable and high-speed internet access across the campus, facilitating online learning, research, and communication.

The Institute aims to improve internet speed, which is currently 500 MBPS to 2 GBPS, in the next academic years. In total, 42 wi-fi router access points are available on campus. The Institute is using SonicWALL firewall safety to provide a secure internet facility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.adcet.ac.in/central-computer-centre">https://www.adcet.ac.in/central-computer-centre</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2481	1108

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>

<b>4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus</b>	<b>A. 750 Mbps</b>
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File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

<b>4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing</b>	<b>A. All four of the above</b>
--	---------------------------------

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>
Paste link for additional information	<a href="https://www.adcet.ac.in/screen-reader-access">https://www.adcet.ac.in/screen-reader-access</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

**928.09643**

File Description	Documents
Audited statements of accounts	<b>No File Uploaded</b>
Upload any additional information	<b>No File Uploaded</b>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

At our Institute, a dedicated team of people is appointed to maintain all infrastructural facilities. We have a system in which the Department head is in charge of all classrooms and laboratories related to that department. The librarian is in charge of the library, the Physical Director is in charge of the sports complex, and HoD, CCC is in charge of the computer centre. Under each head, a dedicated team of technicians is available for maintenance.

In addition, at the central level, we also have a team of expert technicians, including electricians, plumbers, computer maintenance staff and workshop staff. A dedicated staff member (sweepers) is also available for daily maintenance and cleaning. A two-level weekly check is also done by the office's establishment department.

Utilization registers, key registers, entry registers, and attendance registers are maintained at the department level to identify utilization of the equipment and lab.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.adcet.ac.in/hostel-accommodation">https://www.adcet.ac.in/hostel-accommodation</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2508

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://www.adcet.ac.in/activities">https://www.adcet.ac.in/activities</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

**1145**

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

**219**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>

### 5.2.2 - Number of outgoing students progressing to higher education

**0**

File Description	Documents
Upload supporting data for students/alumni	<b>No File Uploaded</b>
Details of students who went for higher education	<b>No File Uploaded</b>
Any additional information	<b>No File Uploaded</b>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

**7**



File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

36

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Annasaheb Dange College of Engineering and Technology (ADCET) in Ashta is proud to have an active and dynamic Student Council that plays a vital role in the campus community. The Student Council bridges the administration and the student body, ensuring students' voices are heard and their concerns are addressed. It organizes various events, workshops, and activities that enhance the student experience, fostering a sense of community and belonging. The council also promotes extracurricular activities, encouraging students to participate in sports, cultural events, and social initiatives, thereby contributing to their holistic development.

In addition to organizing events, the Student Council at ADCET actively participates in academic and administrative committees, providing valuable input on policies and decisions that affect the student body. This involvement ensures students have a say in the Institution's governance and helps create a more inclusive and responsive educational environment. The council's efforts in promoting student welfare, leadership, and engagement make it an integral part of the ADCET community, contributing significantly to the vibrant campus life.

List of Committees where student participation is maintained:

- Anti-ragging committee
- Internal Complaint Committee
- Student Council
- College Development Committee
- IQAC
- DIQAC

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.adcet.ac.in/student-council">https://www.adcet.ac.in/student-council</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

8

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Our Institute celebrates its silver jubilee year of establishment in 2023-24, with approximately 10000 alumni relations still established today. We have a strong network with our alumni, and alumni are contributing in all possible ways to the growth of the Institute. Every year, the alumni meet organized by the Institute, allowing them to visit the Institute, see the Institute's development, and share their success stories with others. These events provide a platform for alumni to share their experiences, insights, and professional journeys with current students, offering valuable guidance and mentorship. The alumni meet also serves as a networking opportunity, helping students build relationships with industry professionals and gain exposure to various career paths.

The Alumni Association of ADCET, Ashta, is registered with the charity commissioner of India.

Alumni play a significant role in the growth and development of ADCET. Their contributions come in various forms, including financial donations, sponsorships, and support for infrastructure development. Additionally, alumni often collaborate with the institution on research projects, internships, and job placements, enhancing current students' academic and professional prospects. By staying actively involved, alumni help ADCET maintain its reputation for excellence and continue to evolve as a leading educational institution.

Still, alumni's financial contribution is negligible, but other help is tremendous.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.adcet.ac.in/about-alumni-cell">https://www.adcet.ac.in/about-alumni-cell</a>

**5.4.2 - Alumni's financial contribution during the year**

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The present version of the vision and mission of the institute was articulated in 2016.

To be a leader in producing professionally competent engineers.

"To be a leader in producing professionally competent engineers" encapsulates a powerful vision for an educational institution like ADCET, Ashta. Let's break the above statement into pieces.

- "To Be a Leader":

This phrase implies aspiring to be at the forefront, set an example, and positively influence others. As an educational institution,

being a leader means not merely following existing norms but actively shaping the future of engineering education.

- "Producing":

Here, "producing" goes beyond imparting knowledge. It signifies a commitment to nurturing and developing engineers ready for real-world challenges. It implies a focus on practical skills, application, and outcomes.

- "Professionally Competent Engineers":

Professionally competent engineers possess a blend of technical expertise, soft skills, and ethical grounding.

We, Annasaheb Dange College of Engineering & Technology, Ashta, are committed to achieve our vision by,

- M1. Imparting effective outcome-based education.
- M2. Preparing students through skill-oriented courses to excel in their profession with ethical values.
- M3. Promoting research to benefit the society.
- M4. Strengthening relationships with all the stakeholders.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.adcet.ac.in/board-of-governors">https://www.adcet.ac.in/board-of-governors</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

At our Institute, we always believe in human resources and giving responsibility to all in their capacity so that every individual can administer. The Institute has well-defined roles and responsibilities for all of its administrative posts. The Institute has a well-defined organigram so everyone will understand the following steps in decision-making and work. The well-defined organigram will help the stakeholder understand their work's follow.

By promoting participative management, ADCET encourages faculty, staff, and students to actively contribute to the institution's growth and development. This enhances the overall efficiency and effectiveness of the institution and creates a sense of ownership

and accountability among all members.

Women faculty- members are also encouraged to work in different administrative posts, promoting gender equality at the Institute. The Institute always maintain the gender ratio in the recruitment process, giving equal opportunities to female candidates.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.adcet.ac.in/committees-cell">https://www.adcet.ac.in/committees-cell</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institute has articulated a detailed perspective plan for five years, which is a roadmap for the development of the Institute. This plan was articulated in 2019-20 and is valid till 31.12.2024. This plan talks about the detailed long-term goals, short-term goals, promotion of mutually beneficial engagement with industry and society, creating quick response internal support system, enhancements in infrastructural facilities, exploring new avenues of fundraising, linkages with other academic Institute at national and international level, promote gender equality and improving alum engagement.

At the end of this academic year, we are going to analyze the achievement of the strategic plan, and we are going to set new targets for the next strategic plan, which is expected for the subsequent five-year development. IQAC will lead in articulating the perspective plan, and the draft copy of the perspective plan will be made in Jan. 2025 for stakeholder review. It is then presented to IQAC and AC for approval.

The points to be covered in the following perspective plan will be,

1. Road map for becoming Cluster University
2. Academic Excellence
3. Infrastructure Development
4. Industry Collaboration

5. Student Support and Development
6. Sustainability Initiatives
7. Collaboration with foreign universities for student and faculty exchange.
8. Developing startup ecosystem

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.adcet.ac.in/perspective-plan">https://www.adcet.ac.in/perspective-plan</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The effective and efficient functioning of various institutional bodies at ADCET, Ashta, is evident through their well-defined policies, administrative setup, appointment and service rules, and procedures. These elements ensure that the institution operates smoothly and maintains high governance standards.

The institution's commitment to transparency and accountability is reflected in its strategic planning and deployment and its implementation of e-governance in areas such as administration, finance and accounts, student admission and support, and examinations. This comprehensive approach helps streamline processes and enhance overall efficiency.

Moreover, ADCET's focus on faculty empowerment and professional development further contributes to the institution's success. By providing welfare measures and opportunities for career progression, the institution ensures that its staff is motivated and well-equipped to deliver quality education.

Institutes follow all the rules and regulations established by apex bodies and the government during their recruitment and promotion process, pay scale, service rules, and administrative process. These policies are available at the Institute for reference and review.

The recruitment process at our Institute is under the affiliating university and at the local selection committee. The advertisement is published in the regional and national newspapers and on the Institute and Shivaji University, Kolhapur website for this process.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.adcet.ac.in/organizational-structure">https://www.adcet.ac.in/organizational-structure</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

**6.3 - Faculty Empowerment Strategies**

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Every human resource is vital for our institute; hence, it is always keen on effective measures for teaching and non-teaching staff and their growth. The various schemes are followed at the institute as listed below,

- **Higher Education:** The Institute always encourages the teaching faculty and non-teaching members to improve their educational qualifications. In the last three years, 23 faculty members completed their PhD, and 52 are pursuing the PhD.
- **Faculty Development:** Faculty members are encouraged to attend FDP/Conferences, and the institute will refund the fees. Every department of the institute organizes at least one FDP and conference every academic year. The institute spent INR 11.07 Lakh on faculty development in the last three years.
- **Promotion through CAS:** 22 Faculty members were promoted to

higher cadre in CAS in the last three years.

- **Consultancy Revenue Sharing:** We have a policy to distribute 50 % of revenue from Consultancy to faculty members. INR 56.18 Lakh generated through Consultancy in the last three years.
- **Seed Money:** INR 7.77 Lakh has been distributed as seed money for RnD activities in the last three years.
- **Advance Against Salary Policy:** No. of Beneficiaries: 104 and TotalAmount: INR 50.71 Lakh.
- **Loan Facility:** No. of Beneficiaries: 245 and Total loan amount: INR 289.75 Lakh
- **Maternity and special leave facility**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

14

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**

3

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	No File Uploaded



**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

107

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**6.4 - Financial Management and Resource Mobilization**

6.4.1 - Institution conducts internal and external financial audits regularly

An internal audit is carried out by the internal auditor appointed by the parent organization once a year, i.e. Sant Dnyaneshwar Sanstha, Islampur. The internal auditor audits all vouchers, receipts, cash books, and transaction ledgers.

The following procedure is followed for all the purchases and expenses involved,

1. The respective department submits the voucher/original invoice and other supporting documents, including the approvals for purchase, to the accounts clerk of the Institute.
2. The accounts section verifies documents, checks for the financial delegation, and processes the bill/voucher for payment or reimbursement accordingly if all are correct.

External audit is done by a chartered accountant appointed by the parent organization, i.e. Sant Dnyaneshwar Sanstha, Islampur. The external auditor audits all vouchers, receipts, cash books, and ledgers of transactions. The audited income and expenditure statements are certified. The balance sheet is duly signed by the Director and Chartered Accountant and is duly submitted for the Governing Body. The audited balance sheet and accounts statements are disseminated on the institute's website.

In the financial year 2023-24, the external audit is performed by a CA firm called " Bhaskar B Patil and Cos, Kolhapur," and the audited

statements are on the website.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.adcet.ac.in/audit-report">https://www.adcet.ac.in/audit-report</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The primary source of income is fees collected from students. As the institution is currently a self-financing type, it will get funds from society and management even if any deficit arises. Different financial sources available are Fees collected from students, scholarships received from governments against the student fee, Funding from various funding agencies such as AICTE, Shivaji University, DST SERB, MODROB and other R&D centres, and Contributions from the management. The management has been spending a lot of money on developing the required infrastructural facilities such as buildings for various departments, administrative blocks, lab equipment, ladies' and boys' hostel buildings, and buildings for the library, canteen, and sports. As applied to recurring expenditure, the institute depends on the Fee collected from students for its routine expenses such as the salary of teaching staff, maintenance of buildings and equipment, etc. College transport services and the college canteen are being run by the institute.

The institutional budget is prepared every year by considering recurring, nonrecurring, and capital expenditures, comparing last year's actual spending and the proposed expenditures given by the

department. All administrative and academic heads submit the budget required for the subsequent financial year. All coordinators of different cells are also instructed to submit their budget. The recurring and capital budget is provided by considering the Tuition fee and Development Fee, respectively.

The finance committee is involved in allocating raised funds, and funds are allocated based on priorities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC at our institute is very active in improving the quality initiative. Our institute received NAAC accreditation with an A++ grade in July 2023, with 3.52 out of 4 in the second cycle. After NAAC accreditation, we are continuously working on improving our OBE strategies. In the academic year 2023-24, IQAC is working on the development of a draft for the Manual on OBE so that it will be a one-stop guide for all students and faculty members describing all processes involved in OBE from articulation of vision, mission, PEO, POs and COs to attainment calculation process.

IQAC also helped four of our UG programs in their NBA accreditation in Teir I in the academic year 2023-24. These four UG programs received NBA accreditation as IQAC-prepared pre-qualifiers, SAR and visit documentation.

IQAC was also involved this year in the NEP-2020 implementation in the second year by designing and developing the NEP-2020 complained curriculum.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

ADCET, Ashta, ensures the continuous improvement of its teaching-learning process, structures, methodologies, and learning outcomes through periodic reviews conducted by its Internal Quality Assurance Cell (IQAC). This practice aligns with the norms and standards set by relevant authorities.

The IQAC plays a crucial role in maintaining and enhancing the quality of education at the institution. By regularly assessing and evaluating various aspects of the teaching-learning process, the IQAC identifies areas for improvement and implements necessary changes. This systematic approach helps achieve the institution's academic goals and ensures students receive a high-quality education.

Initiatives taken this year:

- Review of the vision and mission of the institute
- NEP-2020 curriculum development
- Promotion of MOOC and online courses in the curriculum
- Use of credit transfer facility for MOOC course.
- Skill development courses
- Installation of smart boards in each classroom
- Development of interactive classroom
- Development of OBE implementation manual
- Workshops on OBE
- Induction programs for new faculty members.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the

A. Any 4 or all of the above

**IQAC Feedback collected, analysed and used for improvement of the institution**  
**Collaborative quality initiatives with other institution(s)**  
**Participation in NIRF**  
**Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

#### a) Safety and security on the campus

- Deploying security persons at all strategic points ensures the college's safety. Women security officers at the ladies' hostels are provided.
- Women are provided with equally excellent and separate hostel facilities, ensuring complete security with CCTV cameras.
- Well-trained and women rectors are appointed for the ladies' hostels.
- The institute has Internal Complaints Committee (ICC), which is in force and looks after harassment-related issues.
- Internal Complaints Committee for protection against Sexual Harassment: The Institute has zero tolerance towards sexual harassment.

#### b) Psychological Counsellor:

Proper counselling is provided whenever required. At ADCET, a full-time counsellor is appointed to counsel female students or faculty

members.

c) Ladies' Common Room

- The institute has recognized the need for personal space for girls/ladies, providing a separate room for the girls.
- Sanitary pad vending machines are installed in the common room, ladies' toilets, and ladies' hostels.

d) Women Empowerment Cell

Women Empowerment Cell and ICC organize various programmes or activities for girls. These consist of Women's Day, Guest Lectures, etc.

e) Separate batch timing for girls students at the gymnasium and sports complex.

f) Separate reading room facility for female students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

**SOLID WASTE MANAGEMENT:**

The institute generates a variety of solid waste. The significant components observed include paper waste, Canteen food waste, and

horticulture Waste. All key locations have proper dust bins to keep every part of campus litter-free. The institute has also signed the MoU with "Sanjay Kumar and company Madhavnagar, Sangli", purchasing all paper waste generated.

**WASTE WATER MANAGEMENT:**

The institute has implemented various disposal methods to properly dispose of its liquid waste, following all applicable laws and regulations.

These methods include:

**Sewer discharge:** Liquid waste from the canteen is discharged into the sewer system for treatment at a municipal wastewater treatment plant.

**Recycling:** Part of the wastewater is recycled, allowing access to the agricultural fields located on the south side of the campus for irrigation. The waste from the hostels is primarily treated by septic tanks and then allowed to percolate in the ground through soil percolation systems.

**E-WASTE MANAGEMENT:**

Being a technical institution, ADCET generates a small amount of E-waste. E-waste generated on the campus is disposed of in a scientific and eco-friendly manner. Drives of E-waste collection are also conducted to manage such waste. sustainably.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.1.5 - Green campus initiatives include

<p><b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b></p> <ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ol>	<p><b>A. Any 4 or All of the above</b></p>
--	--

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

### 7.1.6 - Quality audits on environment and energy undertaken by the institution

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Learners' community experiences peace and harmony at ADCET. Students from various cultures are an indivisible part of the ADCET family. Many students are from states other than Maharashtra, such as Karnataka, Jammu, Kashmir, etc. The institution takes all possible initiatives to make them more responsible citizens.

Students are motivated to participate in several extension

activities in the institute as well as outside the institute. Many students from ADCET participate in university and inter-university events and portray their language and culture.

Students from backward or economically backward classes are eligible for scholarships from the Maharashtra government. Festivals are the essence of the culture. The ADCET family celebrates festivals like the Ganesh Festival, Shiv Jayanti, etc. Students organize events such as Pathnatya (Street Play), Procession, and lectures of eminent speakers.

ADCET organizes a blood donation camp every year where the staff and students donate blood and demonstrate their responsibility for their social duties. Many days are celebrated in the Institute, like Independence Day, Republic Day, Teachers Day, Women's Day, Youth Day, etc. It enriches student's sense of social responsibility. International Yoga Day is regularly organized at the institute

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The institution sensitizes the students and the staff to constitutional obligations about values, rights, duties and responsibilities and constantly works to nurture them as better citizens of the country through various curricular and extracurricular activities.

The institution's curriculum includes courses on the Constitution of India to inculcate values and constitutional obligations among the students.

The institute has arranged the following programs for awareness about the Constitution,

- Awareness and E-Quiz on the Right to Information Act 'Making of the Constitution', organized by NSS in association with the Ministry of Information and Broadcasting.
- Donation to the National Foundation for Communal Harmony by National Foundation for Communal Harmony and NSS.

- Integrity Pledge by Central Vigilance Commission and NSS.
- Celebration of National Days

The institute hoists the flag at national festivals and invites eminent persons to inspire students and staff with patriotic thoughts and guidance.

#### Responsibilities and Ethics in Research

Students' project thesis reports are plagiarism-checked to encourage research ethics among students.

#### Activities in association with NSS

- Tree plantation
- Road Safety & Traffic Awareness Campaign
- Cleanliness
- Election awareness
- Awareness about Safety
- Social awareness

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The institute is working with its mission to prepare competent engineers with good ethics. The institute is making an effort to keep the environment healthy.

**Celebration of national and international commemorative days**

Students and faculty members are involved in the celebration; all respect and admire religions, languages, and cultures, which makes students aware of our culture and the unity in diversity. The institute celebrates various days of eminent personalities, such as National Festivals, NSS, and outreach; these activities provide an inclusive environment where faculty members and students are on the same platform. National Service Scheme, Students Association and Management work together and celebrate many days.

Various important International/National festivals are celebrated every year, such as:

- International Yoga Day
- Republic Day
- Independence Day
- Chattrapati Shivaji Maharaj Jayanti
- World Food day
- Ganesh Festival
- Indian Mathematics Day
- Gandhi Jayanti
- World water day
- National Sports day
- NSS day
- World Mental Health Day
- National Youth Day

- Ambedkar Jayanti
- International Worker's Day and Maharashtra Day

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practice No. 1

- Title of the practice: Competency Fostering Program (CFP)
- Objectives:

1. Make holistic development of students.
2. Develop relevant technical skills.

- The context

Annasaheb Dange College of Engineering and Technology (ADCET) is located in a rural part of Western Maharashtra. The institute aims to prepare its students to meet the needs of the industry by offering a wide range of programs and activities that enhance their technical skills.

- The practice

The curriculum developed by the institute is assisted with skill-oriented courses, employability courses, and other activities like workshops, industrial visits, training, etc., as their routine academic activities.

- Evidence of success:

The Competency Fostering Program remarkably impacts students' success in the institute. Students' communication skills have improved, and they have become more confident about working in the industry.

**Best Practice No. 2**

- Title of the practice: Activity-Based Internal Assessment
- Objectives:
  1. Enhance the learning skills of students
  2. Impart a deeper understanding of the course
- The context

Traditional examinations of theory courses were primarily written examinations. Through such examinations, only knowledge domain POs were mapped. Skill domain and affective domains remain unmapped.

- Evidence of success:

Evaluation of students' understanding of the subject matter and promotes active learning. Adopting this approach leads to better attainment of course outcomes and graduates who are equipped to meet the demands of the industry.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.adcet.ac.in/best-practices">https://www.adcet.ac.in/best-practices</a>
Any other relevant information	Nil

**7.3 - Institutional Distinctiveness**

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**Academic Sphere:**

First and foremost, the institute's commitment to providing excellent education is a hallmark of its distinctiveness. This includes offering high-quality academic programs in various domains of engineering and technology. The institute implements its curriculum through well-planned and effective teaching-learning activities blended with the latest pedagogy approaches. The institute is known for its rigorous curriculum, experienced faculty and state-of-the-art facilities that enable students to acquire the knowledge and skills they need to excel in their chosen fields. Various approaches have been taken to allow students to meet their individual needs.

**Non-Academic Sphere:**

Another critical aspect of the institute's institutional distinctiveness is its support for sports and cultural activities. The institute recognizes that students need platforms to develop their physical, social and cultural skills and academic abilities. The institute provides a range of sports facilities and opportunities for students to participate in various cultural events and activities, such as music and dance performances, debate competitions and art exhibitions. The institute also recognizes the importance of social skills. To this end, the institute has implemented various extension activities to inculcate students' social skills. These include community service projects, volunteer work, internships, and social awareness campaigns. Through these activities, students learn the value of giving back to society, develop empathy and compassion for others, and gain a deeper understanding of their community's social issues.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.adcet.ac.in/institutional-distinctiveness">https://www.adcet.ac.in/institutional-distinctiveness</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

At Annasaheb Dange College Engineering and Technology, Ashta, we are always eager to plan for quality initiatives and continuously work on achieving them. The few action plans for the next academic year, 2024-25.

1. Design and develop the NEP-2020 complained curriculum to be implemented for TY B Tech for all programs.
2. To start with UG programs in management and computer application
3. Apply for NBA accreditation for UG Aeronautical Engineering in Tier I.
4. Publish the OBE implementation manual.
5. Conducting surveillance audit of ISO 9001-2015
6. Accelerating activities of writing research proposals.
7. Improvement in the Training and Placement activities
8. Improvement in quality research paper publications.