## ABOUT THE SANSTHA

Sant Dnyaneshwar Shikshan Sanstha, Islampur, founded by visionary leader Hon. Dr. Annasaheb Dange [Appa], is a shining example of academic excellence and social upliftment. Established to raise educational standards in the rural area of western Maharashtra. The Sanstha has expanded to various schools and institutions, including those in engineering, medicine, and pharmacy, under its umbrella. With modern amenities and a commitment to holistic development, the Sanstha continues to empower students by transferring knowledge, skills, and values that contribute to social progress. This legacy reflects the dedication of Annasaheb Dange to creating opportunities and transforming lives through education. The Sanstha was established in 1986.

Since the inception of Sanstha, it has grown exponentially, widening its spectrum and horizon. Currently, the Sanshta is present in three districts of Maharashtra, including Sangli, Kolhapur, and Ahmednagar (Ahilyanagar). With 1,285 teaching and non-teaching staff, more than 12,000 students are being enriched from KG to PhD. The Sanstha manages 24 schools under primary and secondary education, 5 higher education institutes, and 4 diploma and ITI institutes. A total of 42 units work under the Sant Dnyaneshwar Shikshan Sanstha, Islampur.

Sant Dnyaneshwar Shikshan Sanstha, Islampur, is committed to delivering high-quality education. This was reflected in accreditation and quality assurance initiatives initiated by all the HEI and diploma institutes that underwent an accreditation process and received remarkable credentials listed in the following table.

| Sr. | Name of the Institute | Accreditation Agency | Status |
|---|---|---|---|
| 1 | Annasaheb Dange College of Engineering and Technology, Ashta. | NAAC | A ++ |
| | | NBA (Tier II) | UG Aeronautical |
| | | NBA (Tier I) | UG CSE, Mechanical, Electrical, Civil |
| 2 | Annasaheb Dange College of B. Pharmacy, Ashta | NAAC | A + |
| 3 | Hon. Annasaheb Dange Ayurvedic Medical College and Research Center, Ashta | NAAC | A |
| 4 | Annasaheb Dange Arts, Commerce and Science College, Hatkanangale | NAAC | A |
| 5 | Annasaheb Dange College of D. Pharmacy, Ashta | NBA | Accredited |
| 6 | Annasaheb Dange College of B. Pharmacy (Diploma Wing), Ashta | NBA | Accredited |

## OUR INSPIRATION

**Hon. Shri. [Dr.] Annasaheb Dange**
Founder President, SDSS, Islampur

Dr Annasaheb Dange [Appa] is a visionary leader, social reformer, and educationist who made significant contributions to the development of rural Maharashtra. He is the Founder President of Sant Dnyaneshwar Shikshan Sanstha, Islampur, an institution dedicated to providing quality education and fostering social upliftment. He is also the founder of one of the best spinning mills in western Maharashtra, Deendayal Spinning Mill, located in Islampur.

In addition to his educational contributions, Appa served as the Minister for Rural Development, Water Supply, and Social Welfare in Maharashtra. During his tenure, he implemented impactful policies to improve the quality of life in rural areas.

He is also the author of several books and literature.

## OUR MENTORS

**Adv. Rajendra R. Dange**
Secretary, SDSS, Islampur

**Shri. Vishwanath R. Dange**
Joint- Secretary, SDSS, Islampur

## OUR LEADER

**Dr. Laxman Y. Waghmode**
Director, ADCET, Ashta

## ABOUT THE INSTITUTION

**VISION: To be a Leader in producing professionally competent engineers.**

**MISSION: We, at Annasaheb Dange College of Engineering and Technology, Ashta, are committed to achieve our vision by,**

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

Annasaheb Dange College of Engineering and Technology (ADCET), Ashta, established in 1999 by the visionary leader Hon. Dr Annasaheb Dange [Appa], has emerged as a premier institution in Western Maharashtra, dedicated to advancing technical education and fostering innovation. Over the past 26 years, ADCET has produced over 10,000 graduates who have enriched the world through their immense contributions as engineers, technocrats or leaders for humanity. All eligible undergraduate programmes hold accreditation status from the NBA, New Delhi, in the Tier I Format. The Institution is accredited by NAAC with the highest Grade of A++ in the Second Cycle and a CGPA of 3.52 on a scale of four. The Institute became autonomous and UGC-approved in 2017 and has been effectively practising Outcomes-based Education and skill development through an advanced and industry-ready curriculum. Recently, Shivaji University, Kolhapur, conferred autonomous status on the Institute, enabling its logo and name to appear on the degree certificates issued by the affiliated university. The Institute currently offers 10 Undergraduate courses in conventional and emerging areas. Qualified and experienced Faculty & staff & reasonable Faculty retention rate. The Institution has Memoranda of Understanding (MOUs) with various organisations and industries. It has established a few Centres of Excellence (one per department), cutting-edge laboratories, and incubation centres in collaboration with industries to enrich the learning experiences of graduating students and ensure compliance with programme outcomes. The learning experiences and quality educational practices created at the Institute, supplemented by an academic ambience, state-of-the-art infrastructure, innovative pedagogy, academic innovations, research, incubation, and training opportunities, along with entrepreneurship development, enable the Institute to produce industry-ready graduates.

In addition to accreditation status from NAAC and NBA, the Institute received recognition through various government and non-government organizations such as,

- ISO 9001:2015 Certified Institute
- Awarded "A+" Grade in an Academic Audit Conducted by Shivaji University, Kolhapur.
- National Award for "Best Private Engineering College" by ISTE, New Delhi.
- Awarded Engineering Institute of the Year by "Navbharat Times".
- Best College Award by Magazine Career 360.
- Industry Excellence Award by the Institute of Engineers (IEI).

## SWOC ANALYSIS

### Strengths

1. **Autonomous Status:**
   - Autonomy under Shivaji University enables curriculum customisation to meet industry demands.
2. **National Accreditations:**
   - NAAC accreditation with an A++ grade and NBA accreditation for all eligible programs
3. **Comprehensive Program Offerings:**
   - Diverse undergraduate programs across traditional and emerging fields like Artificial Intelligence, Data Science, IoT and Blockchain.
4. **State of the art Infrastructure:**
   - Modern campus facilities, including advanced laboratories, a digital library, and smart classrooms equipped with audio-visual tools.
5. **Faculty Expertise:**
   - Dedicated and experienced faculty with diverse expertise
6. **Outcome-Based Education:**
   - Focus on blending theoretical knowledge with practical applications, preparing students for industry challenges

### Weaknesses

1. **Research and Innovation:**
   - Limited output in high-impact research publications, patents, and funded projects.
2. **Faculty Qualifications:**
   - A portion of faculty members have yet to achieve doctoral qualifications
3. **Industry Integration:**
   - Insufficient active partnerships with industries for live projects and sponsored research
4. **Placement Diversity:**
   - Fewer placement opportunities in cutting-edge sectors like Artificial Intelligence, Data Science, and Cyber Security
5. **Incubation and Entrepreneurship:**
   - The culture of entrepreneurship and innovation needs a significant push, with dedicated support systems, structured programs, and robust incubation facilities.

6. **Revenue Generation:**
    - Limited initiatives for revenue generation through consultancy services and sponsored projects, affecting financial sustainability and growth opportunities.

### Opportunities

1. **National Education Policy (NEP) Implementation:**
    - Opportunity to establish interdisciplinary and multidisciplinary programs aligned with NEP guidelines.
2. **Industry Collaborations:**
    - Setting up dedicated RnD centers and industry-funded laboratories.
3. **Entrepreneurship Development:**
    - Encouraging students to convert innovative ideas into successful ventures through robust incubation facilities.
4. **Global Outreach:**
    - Partnerships with international universities for student exchange programs and collaborative research.
5. **Government and CSR Funding:**
    - Leverage government schemes and corporate social responsibility (CSR) funding for institutional growth.
6. **Alumni Engagement:**
    - Leveraging a strong alumni network for institutional development through mentorship, funding support, placement opportunities, and collaborations.

### Challenges

1. **Retention of Talent:**
    - Retaining experienced faculty in the face of competition from urban institutions.
2. **Technological Advancements:**
    - Keeping pace with rapidly evolving technologies in engineering domains.
3. **Global Competition:**
    - Competing with established national and international engineering institutions.
4. **Changing Student Preferences:**
    - Adapting to the shift in student preferences towards non-conventional engineering streams.
5. **Economic Constraints:**
    - Dependence on external funding for major infrastructure upgrades and new initiatives

## STRATEGIC PLAN 2025-2030

The first version of the Strategic Plan, previously referred to as the Perspective Plan (2019-2024), with its long-term and short-term perspectives, was in effect. The strategic plan was implemented with the support and involvement of all stakeholders. The GB periodically reviewed the implementation of the strategic plan. The extent of compliance and milestones achieved were occasionally presented to the Governing Boady. The Institute has achieved nearly all its goals with the cooperation and support of all stakeholders.

The Strategic Plan 2025-2030 has been prepared considering the following parameters:

- SWOC Analysis conducted through external experts
- Observations of various assessing agencies
- Good Governance practices
- Improve ranking under NIRF
- Student Success Index
- Institutional outreach
- Future challenges

## SHORT TERM GOALS

[1] Introduction of New UG Programs in Emerging and Multidisciplinary Areas.

[2] Starting PG programs in core and advanced areas.

[3] To establish a recognised PhD research centre at Shivaji University, Kolhapur PhD research centre.

[4] NBA Accreditation (All Eligible UG & PG Programmes as and when they become eligible).

[5] Place the Institute under the 200th rank in the National Institutional Ranking Framework (NIRF).

[6] To attain re-accreditation for NAAC (CYCLE III) with the highest possible Grade.

[7] Strengthening E-Governance by Complete Automation of all Academic/Administrative Processes to Maintain Transparency.

## LONG TERM GOALS

[1] To achieve cluster university status with ADCET as the lead institute and ADCBP, ADAMC, and ADACSC as constituent colleges.

[2] Strengthening the existing Section-8 Company "ADCET-Technohub" to Enhance the start-up culture, incubation and entrepreneurs.

[3] 75% of Faculty with PhD Qualifications.

[4] Effective implementation of New Education Policy 2020 at UG and PG level.

[5] To start a finishing school to benefit the UG students and polish their industry-ready skills.

[6] To enhance the research and development culture by improving the number of research projects, consultancy, publications, IPRs, product development, and start-ups.

[7] Alumni engagement in the process of institute development.

[8] Infrastructure development.

[9] To enhance branding and outreach activities.

[10] Student development.

[11] To strive for achieving financial sustainability.

## SHORT TERM GOAL

### 1) STARTING OF NEW PROGRAMS IN EMERGING AREAS

Due to the sharp rise in demand for undergraduate technical courses in emerging fields, it is proposed that many undergraduate programs be established in emerging or multidisciplinary fields of study. As per the demand from students and next year's plan, we wish to add one UG program from AY 2025-26, UG in "Robotics and Artificial Intelligence", with a proposed sanction intake of 60. A few more UG courses of an emerging and multidisciplinary nature will be added in the upcoming years.

**Summary of Actions and progress**

The following 1 new undergraduate B.Tech. Programmes planned to be introduced from AY 2025-26.

| Sr. | Name of Program | Year | Proposed Sanctioned Intake |
|---|---|---|---|
| 1. | B Tech (Robotics and Artificial Intelligence) | 2025-26 | 60 |

### 2) STARTING PG PROGRAMS IN CORE AND ADVANCED AREAS.

Starting a postgraduate (PG) program in engineering is a strategic decision with far-reaching benefits for both students and the Institution. First, it allows for deeper specialization in emerging and traditional fields, enabling students to focus on cutting-edge topics such as Artificial Intelligence, Design Engineering, or Computer-aided structural engineering, thus equipping them with the skills required to address complex engineering challenges. By fostering an environment of advanced research and innovation, PG programs also catalyze the development of novel technologies and solutions, positioning the Institution as a hub of intellectual and industrial breakthroughs.

Furthermore, PG programs offer an opportunity to strengthen the academic-industry interface. They create a platform for collaborative research, industry-sponsored projects, and internships, which not only

enhance the practical skills of the graduates but also increase the Institution's visibility and reputation in the competitive landscape. Focusing on outcomes-based education, these programs enable students to contribute to scholarly research, secure patents, and launch entrepreneurial ventures—key factors that drive technology transfer and commercialisation.

Launching postgraduate programs helps build a robust ecosystem of academic excellence. It propels an upward shift in faculty development, research funding, and global collaborations. As a result, graduates emerge as leaders with strong research acumen and a problem-solving mindset—qualities that make them industry-ready and capable of driving societal progress. In essence, the decision to start a PG program in engineering is a forward-thinking investment in innovation, expertise, and the future of engineering education.

According to the new guidelines from the University Grants Commission (UGC) and Shivaji University, Kolhapur, your Institute will not be recognised as a PhD research centre for affiliation with Shivaji University, Kolhapur. This hampers on the benefits mentioned in the earlier paragraph; hence, ADCET plans four PG programs from AY 2025-26, as detailed in the next section.

**Summary of Actions and progress**

| Sr. | Name of Program | Year | Proposed Sanctioned Intake |
|---|---|---|---|
| 1. | M Tech (Mechanical Engineering-Design) | 2025-26 | 12 |
| 2. | M Tech (Electrical Power System) | 2025-26 | 12 |
| 3. | M Tech (Computer Science and Engg.) | 2025-26 | 12 |
| 4. | M Tech (Computer aided structural engineering ) | 2025-26 | 12 |

A few more PG courses of an emerging and multidisciplinary nature will be added in the upcoming years.

### 3) TO START A RECOGNIZED SHIVAJI UNIVERSITY, KOLHAPUR PHD RESEARCH CENTRE.

As mentioned earlier, according to the new guidelines from the University Grants Commission (UGC) and Shivaji University, Kolhapur, your Institute will not be recognised as a PhD research centre for affiliation with Shivaji University, Kolhapur. This hampers on the benefits mentioned in the earlier paragraph; hence, ADCET plans four PG programs from AY 2025-26, as detailed in the next section. Once the PG program is initiated, we will apply to Shivaji University for recognition as a PhD research centre. The Institute plans to offer a PhD program from 2026-27.

**Summary of Actions and progress**

We expect nearly 40 admissions from AY 2026-27 for PhD program at a recognized PhD centre of Shivaji University, Kolhapur. Which will be an additional revenue generation model that will also benefit research and development.

## 4) NBA ACCREDITATION (ALL ELIGIBLE UG & PG PROGRAMMES AS AND WHEN THEY BECOME ELIGIBLE).

Four undergraduate programs, namely UG Mechanical Engineering, UG Computer Science and Engineering, UG Electrical Engineering, and UG Civil Engineering, are accredited by the NBA in Tier I until June 30, 2027. While one UG program, namely UG Aeronautical Engineering, is accredited in Tier II till 30.06.2025. So, all eligible programs are accredited till date. We are applying for re-accreditation of the UG Aeronautical program in March 2025, using the new format of the SAR from the January 2025 edition, and expect to receive a committee visit in May or July 2025. As and when they become eligible, other undergraduate and postgraduate students will apply for accreditation.

**Summary of Actions and progress**

| Sr | Program Name | Current status | Validity till |
|---|---|---|---|
| 1 | UG Mechanical Engineering | Accredited (Tier I) | 30.06.2027 |
| 2 | UG Computer Science and Engineering | Accredited (Tier I) | 30.06.2027 |
| 3 | UG Electrical Engineering | Accredited (Tier I) | 30.06.2027 |
| 4 | UG Civil Engineering | Accredited (Tier I) | 30.06.2027 |
| 5 | UG Aeronautical Engineering | Accredited (Tier II)<br>Applied for Tier I | 30.06.2025<br>(Applied with new format SAR March 2025) |
| 6 | UG Food Technology | Not Eligible | -- |
| 7 | UG AIDS | Not Eligible (Two Successive batches not passed out) | -- |
| 8 | UG CSE IoT CS | | -- |
| 9 | BBA | | -- |
| 10 | BCA | | -- |

## 5) PLACE THE INSTITUTE UNDER THE 200 RANK UNDER THE NATIONAL INSTITUTIONAL RANKING FRAMEWORK (NIRF).

Improving our standing in the NIRF ranking through focused improvement in all prescribed Parameters is essential, as we continuously participate in the NIRF ranking every year; however, our performance in the process is not encouraging.

**The Institute needs to initiate the following measures.**

1. Starting PG programs
2. Starting PhD research centre

3. Increase % of PhD faculty
4. Maintain a balanced distribution of faculty experience
5. Improve faculty retention
6. Enhanced the Incentive for Web of Science Journal Publications
7. Management should consider introducing a tuition fee reimbursement scheme for meritorious students. Management can establish a "Mathoshri Subhadrabai Dange Meritorious scholarship" for a female student admitted to any undergraduate course with the highest MHCET score among all admitted female students. The amount can be decided by the management.
8. Publish Papers in the Top 25 Percentile (Q1 Journals) and incentive scheme for Q1 publication.
9. Improve Regional Diversity
10. Ensure One Publication/Faculty/Year
11. Improve Woman Diversity in administrative posts.

**A detailed metric-wise analysis of the ranking was made, and the following plans have been arrived at,**

[1] Research productivity in Web of Science and SCI is expected to improve.

[2] To approach new companies to visit the college for placements. The Institution should approach more prominent companies with higher salaries for the departments where the placement scenario is better. The Internship opportunities shall be further enhanced by approaching more reputed companies. It will also improve the median salary band.

[3] Outcomes in terms of consultancy across departments will be improved. Presently, only a few departments (Mechanical and Civil engineering) generate consultancy grants.

[4] Outcomes in terms of patent (Published/Granted) shall be improved.

[5] Presently, only 30 % of the total Faculty, i.e. 45 out of 160, possess Ph.D degrees. It is planned to have a more significant number of faculty members with PhD qualifications.

[6] Outcomes in terms of External Research Funding shall be improved. New research avenues across domains shall be identified and pursued.

[7] 100 % enrollment in admissions must be achieved.

### 6) TO ATTAIN RE-ACCREDITATION FOR NAAC (CYCLE III) WITH THE HIGHEST POSSIBLE GRADE.

The Institution was accredited with the highest grade by the National Assessment and Accreditation Council (NAAC) in Cycle I, achieving an A grade of 3.01 out of 4. In Cycle II, it achieved an A++ grade of 3.51 out of 4. The Present Accreditation status by NAAC is valid up till 2028. The accreditation given by NAAC is usually valid for a period of five years. Institutions that secure the highest grade consecutively for

three cycles of accreditation are eligible for an extension of validity for a period of 7 years instead of 5 years. The Institution aims to achieve this unique distinction.

**Summary of Actions and progress**

1. Constitution of an institution-level review committee to regularly review the attainments based on the Checklist of identified milestones.
2. Conduct academic and administrative audits regularly for departments and maintain all processes updated.
3. Review of Institutional level (Academic & Administrative) policies.
4. Conduction of External Energy/Green/Environmental Audit as mandated by NAAC on a regular basis.
5. Entered into MOU with reputed NGOs, such as Societal and Green Initiatives.
6. The Annual Quality Assurance Report (AQAR) must be submitted periodically within the prescribed timeframe each year.
7. The following infrastructural facilities are either being established or upgraded.
    a) Recording Studio
    b) Bio-Gas plant for recycling of west
    c) Modernization of all Dean's offices.
    d) Mind wellness centre

## 7) STRENGTHENING E-GOVERNANCE BY COMPLETE AUTOMATION OF ALL ACADEMIC/ADMINISTRATIVE PROCESSES TO MAINTAIN TRANSPARENCY.

The college feels a strong connection between digital engagement and student experience is pivotal for any institution. Internet connectivity with WiFi is an indispensable tool to support student learning. Enhanced ERP automates and streamlines all the processes to improve the effectiveness of allocating and operating academic resources.

**Summary of Actions and progress**

1. Digital infrastructure to simplify the admission process, automate online fee payments, centralize data management, facilitate quicker management processes, and ensure data security needs to be implemented.
2. We have been associated with the State Bank of India since January 2025. We need to initiate an SBI collect facility to provide a hassle-free fee payment system for students to pay their college and examination fees.

3. The college requires a software solution (campus portal) with customised dashboards that allow specific stakeholders to access all data, including updated profiles and information.
4. The college website (adcet.ac.in) has been designed and developed to make it more appealing, easy to read, and easy to navigate. The website (deployed in AWS Cloud Services) is more secure, has robust search functionality, and reaches out to all stakeholders with the latest updates.
5. Procuring ERP software (Mastersoft) has been initiated and is in the deployment process. The institutional data is collected in a structured format and uploaded to the database. Currently, the examination module is functional; other modules, including the OBE module, need to be implemented soon.

**Planned Activities**

1. Development of new modules to facilitate stakeholders in ERP - Alumni, Parents, and employers.
2. Configuring the systems for the effective implementation of the NEP 2020 Policy.
3. Create an Institutional ERP Policy along with an e-governance policy document.
4. It is also planned to develop in-house ERP software or purchase it as needed, utilising the expertise of alums and stakeholders.
5. To create an information tool to integrate data in assessing agencies like NAAC/NBA/NIRF/AICTE/Shivaji University, Kolhapur/UGC, etc.
6. Create the Latest Recording Studio/Media Centre with the latest tools.
7. Regular updates on changes (if any) to the norms, policies, and regulations are provided occasionally.
8. Testing and analysing critical elements and customisations to identify changes.

## LONG TERM GOAL

### [1] TO ACQUIRE A CLUSTER UNIVERSITY STATUS WITH ADCET AS THE LEAD INSTITUTE WITH ADCBP, ADAMC AND ADACSC AS CONSTITUENT COLLEGES.

Cluster universities in Maharashtra are innovative educational institutions formed by merging high-performing colleges within a geographical region under a single administrative and academic umbrella. This concept aligns with the National Education Policy (NEP) 2020, emphasising multidisciplinary education, collaboration, and innovation. Maharashtra has pioneered this initiative, with three cluster universities currently functioning. These universities aim to foster synergy among institutions, enhance resource sharing, and provide a holistic learning environment. They represent a significant step toward transforming the state's higher education landscape.

Our Sanstha aims to establish a cluster university, with Annasaheb Dange College of Engineering and Technology, Ashta, serving as the lead college. For a multidisciplinary approach, Annasaheb Dange College of B Pharmacy, Ashta, Hon. Annasaheb Dange Arts, Commerce, and Science College, Hathkangale, and if the government permits (as it is affiliated with the State Medical University, Nashik), Annasaheb Dange Aryuvedic Medical College and Research Centre can collaborate as constituent colleges.

**Summary of Actions and progress**

[1] We are preparing the DPR and submitting it to the Government of Maharashtra for approval.

[2] Preparation of necessary infrastructural facility at lead college.

### [2] STRENGTHENING THE EXISTING SECTION-8 COMPANY "ADCET-TECHNOHUB" TO ENHANCE THE START-UP CULTURE, INCUBATION AND ENTREPRENEURS.

Our Institute has already been established as a Section 8 Company under the Centre for Innovation, Incubation, and Entrepreneurship, namely "ADCET-Technohub". The Section 8 company would be the gateway for revenue generation through innovation. In 2025, AICTE, New Delhi, also gave its nod to establish the IDEA Lab, which will be beneficial for this Section 8 company.

**Planned Activity and Roadmap**

[1] To define objectives, goals, and a roadmap for the Section 8 Company for the benefit of all stakeholders.

[2] The revenue generated would be applied to provide scholarships or freeships to meritorious students, attracting high-ranking candidates through the CET.

[3] The faculties have the opportunity to Post-doctoral work through an incubation centre.

[4] To recognize, award, and reward outstanding/promising start-ups and enablers of the start-up ecosystem, which comprises students, Faculty, and outsiders who can be the economic engines of tomorrow.

[5] It will also be beneficial to local society and inventors for incubation.

### [3] 75% OF FACULTY WITH PHD QUALIFICATIONS.

Currently, the college has 160 faculty members, of whom 42 (26 per cent) hold PhDs. The Institute aims to have/achieve at least 75% of Faculty with PhD Qualifications before (2026). To make good, the Institute proposes to

a) Continue its endeavour to recruit Faculty with PhD from premier institutions in specialised areas and industry expertise.

b) The Institute shall also provide the necessary support to the registered Faculty to complete their PhD.

c) The Institute shall depute more Faculty to premier institutions to pursue PhD programmes.

### [4] EFFECTIVE IMPLEMENTATION OF NEW EDUCATION POLICY 2020 AT UG AND PG LEVEL.

The National Education Policy 2020 (NEP 2020) outlines India's vision for a new education system, and the policy aims to transform India' Education. The college shall outline the modalities of its implementation, with specific reference to engineering education.

**Summary of Actions and progress**

**NEP Initiatives Achieved:**

[1] ADCET implemented NEP 2020 from the academic year 2022-23. The First-Year curriculum for the 2022-23 batch has been revised. Programming Language Courses & Emerging Technology Courses have been introduced for the first year.

[2] Following its second-year and third-year curricula, the curricula are modified in subsequent academic years, 2023-24 and 2024-25.

[3] Honours, Honors by research, and a multidisciplinary approach are introduced in the curricula.

[4] A mandatory internship is introduced in the VIII semester.

[5] Program electives are offered in the program's identified stream, specialisation, or emerging area of focus.

[6] Ability Enhancement Courses in Innovation and Design Thinking, Scientific Foundations of Health, Universal Human Values, and Engineering Mathematics concepts, utilising Python, are offered.

[7] Initiate actions to share students' examination and credits-related matters on digital platforms such as the National Academic Depository (NAD) and Academic Bank of Credits (ABC).

**NEP Initiatives Planned :**

[1] It is proposed that faculty internships be introduced in the industry to keep faculty members up-to-date on the latest technologies in their respective fields. A policy in this regard shall be framed.

[2] Credit transfer facilities for MOOC courses, such as NPTEL, must be initiated.

[3] Offering vocational courses through Open Distance Learning (ODL) for skill enhancement of the students. To offer NSDC skill courses that have already been initiated at the Institute.

[4] To encourage more outreach programmes to connect the students and technologies for the betterment of society

[5] Conduct more awareness programs and workshops on NEP 2020 to benefit faculty members.

[6] To encourage a more significant number of industry experts to handle subjects to give industry exposure to students at the time of their study

[7] Developing NEP-2020 complained curriculum for all PG courses.

### [5] TO START A FINISHING SCHOOL TO BENEFIT THE UG STUDENTS POLISH THEIR INDUSTRY-READY SKILLS.

A finishing school is an educational institution that teaches students—traditionally young women—skills that enhance their social, cultural, and interpersonal abilities. Historically, finishing schools focused on etiquette, manners, and other attributes considered essential for societal presentation. The concept has evolved today, and modern finishing schools can also emphasize professional grooming, skill development, communication skills, leadership, and personality development. They're often targeted at individuals preparing for careers in fields that value polished, confident, and socially adept professionals.

Modern finishing schools can benefit engineers, particularly as the field requires more than just technical expertise. Here are a few advantages:

1. **Enhanced Communication Skills**: Engineers frequently need to present ideas, collaborate with multidisciplinary teams, and convey complex concepts to non-technical stakeholders. Finishing schools can help refine public speaking, writing, and interpersonal communication skills.
2. **Professional Grooming:** Finishing schools teach professionalism, including appropriate workplace behaviour, dress sense, and etiquette, which are essential for networking and career advancement.

3. **Leadership and Team Building:** Engineers aspiring for managerial or leadership roles can gain skills in team management, conflict resolution, and decision-making.
4. **Adaptability and Soft Skills:** Developing emotional intelligence, adaptability, and cultural awareness enables engineers to be more effective in diverse, global work environments.
5. **Confidence Building:** The training fosters self-confidence, which is essential when pitching ideas, leading projects, or navigating high-pressure situations.

The Institute aims to set a finishing school at the institute level in the upcoming years.

## [6] TO ENHANCE THE RESEARCH AND DEVELOPMENT CULTURE BY IMPROVING THE NUMBER OF RESEARCH PROJECTS, CONSULTANCY, PUBLICATIONS, IPRS, PRODUCT DEVELOPMENT, AND START-UPS.

ADCET, Ashta acknowledges innovations and research as a key focus area. The Institution has developed the necessary infrastructure for quality Research and Development. The R&D Centre of the college aims to enhance research outcomes from faculty and students. To facilitate this, the Centre has proposed several initiatives. The facilities are regularly updated to stay advanced. The Centre aims to encourage research activities through several promotion initiatives.

**Summary of Actions and progress**

[1] The Institute mandated that each faculty member publish at least one journal article annually in a refereed journal indexed by Web of Science and Scopus.
[2] Financial Assistance for faculty presenting papers at International Conference in India. [50 % of registration fee]
[3] 50-50 revenue sharing policy for consultancy services generated by the faculty.
[4] To educate faculty about the procedure of patent filing and research paper writing.
[5] To create awareness of the importance of IP Protection among faculty and students.
[6] Conduct analysis and assessment of capabilities towards innovation and IP
[7] To conduct workshops, seminars, and Guest Lectures on IPR and research paper writing.
[8] Enhance collaborations with the industry. Particularly in terms of MOUs/Linkages, sponsored laboratories
[9] Organizing Workshops and conferences with joint participation of the faculty and the industry.

**Planned Activities**

a) It is planned to appoint senior research experts from premier Research Institutes/Laboratories to act as Research Mentors at least once for each Cluster.

b) To offer specialized joint courses and programmes in collaboration with reputed foreign Universities and explore the possibility of faculty and student exchange programmes.

c) To propose a sabbatical leave for faculties to visit industries/institutes of higher learning to help them acquire additional research know-how and competency in related fields, leading to enhanced research outcomes and collaborations.

d) A Committee of Alumni from the Industry will be formed to help the college achieve futuristic goals set by the industry.

e) Faculty internship in industry shall be initiated.

f) To initiate a consultancy team to offer OBE implementation consultancy to other institutes.

g) To initiate an incentive scheme for Web of Science Journal Publications as below,

| Sr | Quality/Quartile Range | Cash Incentive | |
|---|---|---|---|
| | | From | To |
| 1 | Q1 - Extremely high quality | 7500.00 | 10000.00 |
| 2 | Q2 - High quality | 5000.00 | 7500.00 |
| 3 | Q3 - Medium quality | 3000.00 | 5000.00 |
| 4 | Q4 - Acceptable quality | 2000.00 | 3000.00 |
| 5 | Journals in Web of Science but not in Journal Citation Report (JCR) | 0 | 2000.00 |

## [7] Alumni engagement in the process of institute development.

**a) Networking and Mentorship:**

- Leverage the alumni network for mentorship programs and industry collaborations.

**b) Fundraising Initiatives:**

- Encourage alumni to contribute to institute development through donations and endowments.

**c) Alumni Chapters:**

- Establish active alumni chapters in major cities for consistent engagement. It will also help the Institute organise regular alumni meetings in various cities.

## [8] Infrastructure development.

**a) Laboratories and Facilities:**

- Upgrade laboratories with cutting-edge equipment and software.
- Expand smart classroom coverage to all academic departments.

**b) Green Campus:**

- To improve the facilities' sustainable practices such as solar energy utilization and water recycling.
- To improve green cover on the campus by increasing the number of species and green landscaping.

**[9] To enhance branding and outreach activities.**

a) **National Rankings:**
- Strategically prepare and participate in NIRF rankings.

b) **Publications and Events:**
- Increase visibility through regular participation in national and international conferences, symposiums, and expos.

c) **Marketing and Media:**
- Develop an integrated marketing strategy using social media, newsletters, and digital campaigns to promote ADCET's achievements.

**[10] Student development.**

a) **Placement Support:**
- Strengthen the training and placement cell to prepare students for diverse career opportunities in emerging sectors.

b) **Skill Enhancement:**
- Introduce value-added courses, soft skill training, and career guidance programs.

c) **Global Exposure:**
- Facilitate student exchange programs with international universities.

**[11] To strive for achieving financial sustainability.**

a) **Revenue Streams:**
- Streamline all financial planning and expenses.
- Focus on consultancy, alumni contributions, and sponsored projects for additional income.