

MES Wadia College of Engineering, Pune
Institutional Development Plan (IDP) 2025–2030

1. Introduction

With the motto 'For the Spread of Light', Modern Education Society has been pioneering the education sector since its establishment in 1932. The MES Wadia College of engineering in particular was founded in 1999 with the aim of providing the best education to aspiring engineers in the nation."

The Modern Education Society's Wadia College of Engineering conducts the following courses: Bachelor's Degree in Engineering & Master's Degree in Engineering."

UG Courses (Duration - 4 Years)

- Computer Engineering (Intake - 240)
- Electronics & Telecommunication Engineering (Intake - 120)
- Mechanical Engineering (Intake - 120)
- Automation & Robotics Engineering (Intake - 60)

PG Courses (Duration - 2 Years)

- Computer Engineering
- Signal Processing
- Mechanical Engineering Design

2. Vision & Mission

Vision:

- To groom Motivated, Environment friendly. Self-esteemed, Creative and Oriented Engineers.

Mission:

- Promoting Value Education through motivated trained faculty.
- Maintaining conducive environment for education at affordable cost.
- Promoting Industry Institute interaction.
- Involving Alumni.

3A. Institutional Strengths

A. Transparent and Proactive Governance

- a. Led by experienced professionals from industry, academia, and social sectors, ensuring accountability and forward-looking decision-making. Robust Industry Connections
- b. Partnerships with companies such as NI Lab, Bakers Lab, GIC Lab, Virtual Lab and others, along with industry-focused initiatives (robotics kits, simulation tools, job fairs, placement training), provide students with strong practical exposure.

B. Modern Infrastructure with Continuous Up gradation

- a. Well-developed infrastructure for academics and student residences.
- b. Ongoing enhancement through advanced facilities such as robotics labs, microcontrollers, interactive panels, soundproof classrooms, and expanded library resources.

C. Student-Centric Policies

- a. Regular academic monitoring and remedial programs to assist academically weaker students.

D. Commitment to Quality and Accreditation

- a. Active efforts toward NBA, NAAC, and NIRF benchmarks, reflecting a culture focused on quality and continuous improvement.

E. Expanding National and International Collaborations

- a. Planned MoUs with reputed universities and institutes for joint research, faculty/student exchange, patents, and publications, aimed at enhancing academic and research excellence.

3B. Institutional Weaknesses

A. Student Diversity & Language Barriers

- a. Many students come from remote areas with a vernacular language background. This sometimes affects communication skills, placement readiness, and higher education opportunities.

B. Limited Alumni Engagement

- a. Alumni involvement in mentorship, placements, research funding, and institutional development is still not as strong as it could be, despite the rich legacy of the college.

C. Insufficient Revenue Generation

- a. Heavy dependence on tuition fees and limited consultancy/research income. Industry collaborations exist, but consultancy, patents, and funded research projects need more systematic strengthening.

D. Faculty Cadre Ratio Challenges

- a. The institution is still working towards achieving and maintaining the AICTE-mandated 1:2:6 cadre ratio, requiring significant recruitment and financial investment.

E. Need for Improved Placement Outcomes

- a. While efforts are ongoing, there is scope to improve the quality of placements (core sector jobs, higher packages) and increase the number of students opting for higher education.

F. Research & Innovation Ecosystem Still Emerging

- a. While plans for patents, publications, and centres of excellence are in place, the current level of research output and consultancy revenue is below potential.

4. Institutional Goals & Strategies

Short-Term Goals (2025–27)

- 1) The institute will work to improve the admission merit cut-off for AY 2025–26 by implementing focused strategies such as digital marketing, social media promotion, and outreach activities.
- 2) Infrastructure development will be strengthened to meet the requirements of new courses, additional intake, and NEP 2020 implementation. This will include procurement of new laboratory equipment, robotics kits, microcontrollers, and interactive teaching facilities.
- 3) During AY 2025–26, the institute will prioritize NBA preparation and autonomy readiness to enhance institutional recognition and academic flexibility.
- 4) The institute plans to initiate the process of setting up a Research Centre in coordination with SPPU, Pune, within one year, to promote research, innovation, and consultancy activities.
- 5) The institute will take necessary steps to obtain approvals from AICTE, DTE, and SPPU for all new initiatives, courses, and infrastructural growth.

Long-Term Goals (2025–30)

- 1) The institute aims to enhance the quality and quantity of student placements by focusing on early career counselling, soft skills and aptitude training, alumni engagement, and industry-specific workshops.
- 2) Up gradation of laboratories and classrooms will continue, including the installation of interactive panels, modernization of seminar halls, and soundproofing of classrooms near roadside areas.
- 3) Continuous efforts will be made to improve institutional ranking and address gaps highlighted by NBA, NAAC, and NIRF, with greater emphasis on MoUs, industry interaction, consultancy projects, and student internships.
- 4) National and international collaborations will be expanded through student and faculty exchanges, joint research projects, guest lectures, and publication/patent activities.
- 5) Over the next two years, the college plans to construct two additional upper floors, thereby expanding its academic and research space to support new programs and student growth.
- 6) In the upcoming year, the institute will seek to change the branch name of ME E&TC and simultaneously increase its intake, in line with academic and industry demands.

5. Academic & Student Development

- Introduce outcome-based learning as per NEP 2020.
- Regular mentoring for weak learners.
- Promote higher education through GATE, GRE, TOEFL coaching.
- Entrepreneurship cell & innovation incubation support.
- Academic performance of students will be continuously monitored, and corrective measures such as mentoring and remedial teaching will be implemented to support weaker students.

6. Faculty & Staff Development

- Encourage faculty promotions (CAS/UGC norms).
- Training workshops, FDPs, and international exposure.
- Recruitment of faculty in emerging fields (AI, Robotics, Data Science).

7. Infrastructure Development

- New labs and smart classrooms with interactive boards.
- Robotics, simulation, and microcontroller kits for hands-on learning.
- Strengthened physics/chemistry labs.
- Soundproof classrooms for better teaching-learning environment.
- Furniture, library books as per NEP.
- To meet the growing academic and research needs, the institute will undertake the construction of two additional upper floors within the next two years, creating space for new programs and student development.

8. Research, Innovation & Consultancy

- Promote student & faculty research publications.
- Patent filing and IP support.
- Establish Centers of Excellence (CoEs) in collaboration with industry.
- Within the coming year, the institute aims to establish a Research Centre in collaboration with SPPU, Pune, to foster research, innovation, and consultancy initiatives.

9. Industry–Institute Collaboration

- Expand MoUs with industries for internships, projects, and placements.
- Organize alumni meets & corporate guest lectures.
- Launch skill-based certification programs in partnership with industry.

10. Monitoring & Evaluation

- Institutional Development Committee (IDC) to review progress quarterly.
- Annual report to Governing Council.
- Continuous feedback from stakeholders (students, faculty, industry).

11. Conclusion

This Institutional Development Plan positions MES Wadia College of Engineering to strengthen its academic quality, enhance student outcomes, and achieve higher recognition through NBA/NAAC/NIRF accreditation, global collaborations, and industry linkages. The phased approach ensures systematic growth aligned with NEP 2020 and AICTE norms.