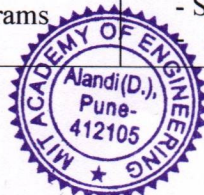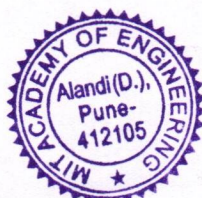# PROGRESS REPORT OF
MIT Academy of Engineering, Alandi - 412105
Academic Year(s) 2023-24
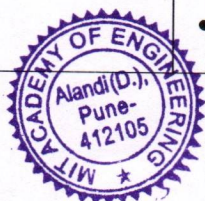
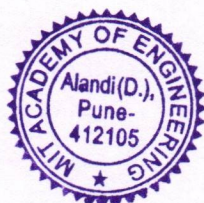| 1	Date when autonomy was first given by UGC	13 October 2015 Empowered Autonomous Institute status: 10 years (2024-25 to 2033-34)
2	Accreditation by NAAC	Cycle-2: 'A' GRADE (3.15)
3	Status of AQAR 2022-23	Submitted on 26th April 2024 Acceptance date: 21/5/2024

4	Accreditation by NBA	Four Tier-1 UG programs accredited for 2022-23 to 2024-25:
		  - Chemical Engineering
		  - Computer Science and Engineering
		  - Mechanical Engineering
		  - Electronics and Telecommunication Engineering
		Civil Engineering (Tier-1 UG) accredited for 2023-24 to 2025-26

5	**Constitution and Working of the Statutory Bodies / Committees (as per UGC guidelines)**	

	Constitution and Working of the Statutory Bodies /Committees (as per UGC guidelines).
	  • Governing Body
	  • Academic Council
	  • Board of Studies
	  • Planning and Evaluation Committee /College Development Committee
	  • Institute Development Committee
	  • Finance Committee
	  • Internal Complaint Committee
	  • Examination Committee
	  • Anti-Ragging Committee
	  • Internal Quality Assurance Cell
	  • Grievance Redressal Committee (Faculty and Staff)
	  • Disciplinary Committee (Faculty and Staff)
	  • Cast Grievance Committee
	  • Student Grievance Redressal Committee
	  • Food Committee
	  • Library Committee
	Other institutional working committees
		• Governance and Compliance
		
		• MITAOE ensures robust governance and compliance with regulatory requirements:
		
		• Constitution of Committees: Established all necessary committees as per UGC Guidelines, facilitating efficient monitoring and review.
		
		• Additional Committees: Constituted college-specific committees to enhance teaching-learning and outcome-based objectives.
		
		• Documentation: Maintains meticulous records of:
		- Minutes of Meetings
		- Action Taken Reports
		
		• The strategic plan for the academic year 2023-24 is well implemented. The strategic plan for the academic year 2024-25 is also prepared.

6	**Academic Programs:**	
a)	• Existing Programs / Courses before autonomous status was conferred	Prior to conferment of autonomy, the College offered: - 8 Undergraduate (UG) programs - 3 Postgraduate (PG) programs

b)	• New Programs / Courses after autonomous status was conferred:
	  • Programs / Courses
	  • Need-based short-term Programs Core/Courses
		• The College has expanded its academic offerings with the introduction of the following Undergraduate programs:
		- Software Engineering (2023-24)
		- Artificial Intelligence and Machine Learning

			(2024-25) - Data Science (2024-25) - Information Technology (2024-25)
c)		• Number of Programs during the year (Give names of courses):	**UG** 1. Chemical Engineering 2. Civil Engineering 3. Computer Engineering 4. Electronics Engineering 5. E & TC Engineering 6. Mechanical Engineering 7. Design 8. Software Engineering **PG** 1. Computer Engineering 2. Electronics Engineering 3. Mechanical Engineering

5 Curriculum design and delivery

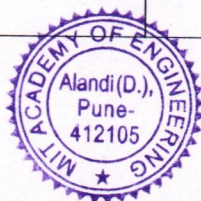|		
	• Ratio of Science / Humanity / core Engineering courses content for four-year course • Industry driven courses	• Implementation of National Education Policy 2020 -The college has successfully integrated the guidelines of the National Education Policy 2020 into its curriculum, effective from the academic year 2023-24. • Curriculum Design and Structure: - Maintains Science/Humanity/Core ratio as per AICTE/UGC guidelines. Basic Science: 8.9%, Engineering Science:8.3 %, Program Core: 27.4%, Program Elective: 8.9%, Vocational & skill Education: 7.1%, Multi-disciplinary Minor: 8.3%, Open Elective: 4.8%, Ability Enhancement: 2.4%, Management & Entrepreneurship: 2.4%, Value Education: 3%, Indian Knowledge system: 3%, Experiential Learning (Projects): 6%, Experiential Learning (Internship): 9.5% • Internship Programs - Summer Internship Program (SIP) - Semester-long Internship Program (SLIP) - Yearlong Internship Program (YLIP) - High conversion rate (80%) of interns to employed professionals in the same industry - Experiential Learning and Assessment - Project-based learning in all programs - Rigorous assessment through Continuous Internal and End-of-Term evaluations - Industry Alignment and Syllabus Revision - Course content tailored to meet industry requirements - Syllabus revision provision every three years to ensure relevance and currency - Three week induction program at entry level.

6	**Examinations:**	
	• Examination Committee • Assessment mechanism Manual displayed onwebsite (for exam evaluation) • Examination results (trends before and after atonmsstatus was conferred) • Examination results of Continuous InternalAssessment.	• Examination Governance and Quality • The College has established an Examination Committee in compliance with University and UGC regulations, overseeing: - Online student registration - Conduct of examinations - Process implementation and optimization - Parent University coordination - Examination-related student grievance redressal • Grievance Redressal and Transparency - Effective examination grievance system in place - Prompt resolution of student concerns - Positive student feedback on current mechanism - Assessment methods compiled in a Manual, displayed on College website for transparency • Academic Excellence - Consistently high graduating percentage (80-95%) across all Schools over the last 3 years - Demonstrates quality education and effective assessment processes
7	**Faculty**	
	• Appointments: Ratio of Number of teachersappointed to number sanctioned. • Student to teacher ratio • Self / Institutional Performance Appraisal • No. of faculty Orientation program conductedfor academic improvements • No. of FDP attended	• Faculty Strength and Quality • The institution boasts a robust faculty profile: - Total faculty strength: 179 (Professor: 16, Associate Professor: 15 and Assistant Professor: 148) - Total Number of students: 3326 - Student-to-teacher ratio: 18.58:1 • Faculty Development and Appraisal - A Customized Performance Appraisal System is in place - Comprehensive Faculty Orientation and Development Programs: A total 450 training/FDP/STTP programs attended by faculty and staff
8	**Research Output**	
	• Number of Publications in UGC listed Journals • Quality of Publications (Citation / h-index as per Web of Science; Scopus; Indian CitationIndex) • Patents (published / registered / awarded) • Research projects funded by external agencies • % Sponsored Final Year projects • Seed money • Start up	• **MIT Academy of Engineering has launched a research awards program to incentivize faculty and staff to publish manuscripts in prestigious Scopus, SCI, and Web of Science journals.** • Total 149 number of Publications in Journal (61) and conference (88): • College allows only Scopus/SCI/ Web of Science/SCI indexed journal and conference publications by faculty and staff • A total of 24 Patents, 14 copyrights, 13 industrial designs and 17 trademarks are filled by faculty, staff, and students. • Funded projects worth Rs. 2.38 lakhs received by faculty. • SPPU has sanctioned 4 projects worth Rs. 10,40,000/- Under ASPIRE scheme for the year 2024-26. • Faculty members have completed industry consultancy projects worth Rs. 4.13 Lakhs. • College encourages students to take live industry projects. Total 30% student's projects are industry

		sponsored.
		• College has given seed money for 23 projects of Rs. 5, 27, 847/-
		• College has supported 17 start up in 2023-24
9	**Students**	
	• No. of students admitted	• No. of students admitted at first year: 747
	• Students Progression (batch)	• The focus of the College is to facilitate gainful employmentfor as many of its graduates as possible. In this effort, 470 students have been placed in various industries with apay package ranging from Rs. 1.8 Lakhs to 27 Lakhs per annum.
	• Employability status (placement record)	
	• % students completed internships	• Training towards employment skills is carried through experiential learning:
	• Clubs	- 750 students going for 2-month internships
		- 475 going for 6-month internships in industry
		• 28 student clubs at MITAOE provide a platform to students for their overall development in terms of:
		- Co-curricular Activities: 55,
		- Extra-curricular activities: 22
		• Students from various clubs participated in various national/international competitions and bagged prizes in 49 events.
10	**MoU**	
	• Industry Collaborations	• 41 MoUs signed with various industries, research organizations and national /international universities /institutions during 2023-2024. Out of which 5 MOU are signed with international Universities.
	• Academic Collaborations	
		• Focus areas of MOUs are:
		- Student internships
		- Student exchange
		- Expert talks
		- Faculty development
		- Startup support
		This resulted in enhancement in internship opportunities, credit transfer, faculty exchange, placement, etc.

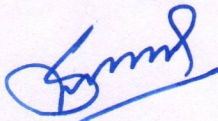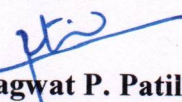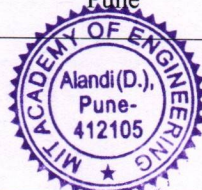| 11	Recognition / Awards received	

	- Institutional - Teachers - Students - other stakeholders	• MITAOE's commitment to academic and research excellence is recognized through:
		- Rankings:
		  - OBE Ranking 2024: Diamond Band
		  - Green Ranking 2024: Gold Band
		  - Digital Institutional Index and Smart Campus Rankings: Top 250
		  - India Today 2024: 114th (top engineering colleges), 86th (top private engineering colleges)
		- Awards:
		  - 4 First Prizes in Smart India Hackathon
		- State/National/International recognitions for students and faculty

12	Audits	
	- Green audit - Energy Audit - Environmental Audit - Gender Audit - Product audit - ISO 9001:2015 certification. - Question paper Audit - Academic Audit	• The college has conducted Green Audit; the certificate is valid from 01st January 2024 to 31st December 2025. • According to the audit report, MIT Academy of Engineering has successfully maintained a consistent Power Factor (PF) above the prescribed value of 0.950, as mandated by Maharashtra State Electricity Distribution Company Limited (MSEDCL). • MITAOE has installed solar panels on the rooftops of all buildings with a capacity of 435 kWp. • Energy and Environmental audits are conducted as per ISO standards and the certificates are valid up to 28th February 2026. • The college also conducts product audits, question paper audits, and academic audits regularly. • The College is ISO 9001:2015 certified and all the processes and documentation are in place. • The college has implemented the EOMS 21001: 2018 process from the academic year 2024-25.
13	Infrastructure	
	- Academic purposes - Administrative purpose - Internet Bandwidth	• The College has 82 well-equipped laboratories and 48 ICT-enabled classroom infrastructures with smart campus management software including LMS. • Presently college has internet connectivity 500 MBPS bandwidth. • The college has an established well-furnished (ICT enabled) corporate relations office with 2 board rooms, 10 interview cabins, and a dedicated computer center. • The college has also procured 300 computers with i-7 configuration and enhanced central computing facilities. • The college has renovated all administrative offices and sections with the latest furniture and ICT tools.
14	Feedback	
	- Students satisfaction level - Parents satisfaction level	• The college conducts feedback from all stakeholders (Students, teachers, alumni, employers, and parents)

	• Faculty/Staff satisfaction level • Industry satisfaction feedback		on curriculum, teaching-learning process, and infrastructure facilities on a regular basis. • There is a 360-degree feedback system and the satisfaction level of all stakeholders is good.
15	**Grievance**		
	• Grievance raised by staff/faculty/students:Mechanism • No. of grievances registered and outcome forAY 2023-24		• The College has an online grievance management system which is efficiently deployed and there is timely redressal of all kinds of grievances. • Outcome: Process are improved
16	**Expenditure**		
			• The expenditure of the College is carefully monitored and efficiently used in all Heads of Expenses. • Audited Statements of all expenses are inorder.

Summary of Outcome

Achievements of Autonomous Status
- MITAOE has successfully embraced autonomy, achieving outstanding results:
- Effective Curriculum and Pedagogy: Attained projected outcomes through modern tools, infrastructure, and innovative teaching methods.
- Student Support: Provided exceptional internship opportunities, placement, and co-curricular/extra-curricular activities.
- Ecosystem for Growth: Fostered a dynamic environment for students and faculty, promoting holistic development.
- Strategic Collaborations: Established MoUs with industry partners, national/international institutions, and universities.
- Sustainable Campus: Implemented measures to maintain a healthy campus environment.
- Entrepreneurship: Supported 17 startups through the Entrepreneurship Development Cell during the 2022-23 academic year.
- These accomplishments demonstrate MITAOE's commitment to excellence, innovation, and student success.

Dr. Suyogkumar V. Taralkar Dean QA MIT Academy of Engineering, Alandi	**Prof. Sunilkumar M. Bhagat** Registrar MIT Academy of Engineering, Alandi	**Dr. Mahesh D. Goudar** Director MIT Academy of Engineering, Alandi
Dr. Pradeep B. Mane Principal AISSMS Institute of Information Technology, Pune	**Dr. Bhagwat P. Patil** Principal Army Institute of Technology, Dighi, Pune	**Dr. Govind N. Kulkarni** Director Pimpri Chainchwad College of Engineering, Akurdi, Pune

Place: **Alandi, Pune**

Date: **25.09.2024**