

MIT

Academy of
Engineering

(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

S T R A T E G I C

P L A N

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PREAMBLE



The strategy document of MIT Academy of Engineering, lays the path for our progress over next three years. The document has been prepared keeping in mind the SWOC analysis.

With the release of National Education Policy (NEP) 2020, the higher education environment will continue to see a paradigm shift, including greater student aspirations, increased competition, shift in society and industry expectations, changing social dynamics, and a major transition in the role of faculty.

We want to ensure that MIT Academy of Engineering shall remain relevant, creative and inventive to solve real world problems and bring a positive change in the society through academic and research excellence.

After extensive deliberations with stake holders, five core key areas viz., Teaching Learning Process, Research and Consultancy, Student Support and Success, Enhanced Students Experience, Enhanced Alumni Engagement and five support key areas viz., People and Welfare, Social Media Connect, Entrepreneurial and Innovation Ecosystem, Campus and Service and Sustainability for improvement have been identified.

To achieve the goals in the context of a dynamic environment, it is important that we have well defined objectives, meeting the new-age education scenario mapped to the measurable outcomes, set of strategies and controlled processes to achieve them.

This document lays the foundation and sets a path for us to move from the plan to a realizable better future.

Director
MITAOE

VISION

To develop MITAOE into a new-age learning center with an excellent ambiance for academics and research conjugated with a vibrant environment for honing the extra and curricular skills of all its stakeholders, to enable them to solve real-world problems and bring a positive change in the society.

MISSION

To leave no stone unturned in our endeavor to ensure that every alumnus looks back at us and says MITAOE has not merely taught me, it has educated me.

CORE VALUES

Knowledge

We believe that knowledge is a premise of progress and we continuously strive for new ideas, discovery and creativity.

Excellence

It is the gradual result of our continuous effort to do better by skillful planning, execution and review.

Integrity

We believe in highest standards of ethics, wisdom and honesty in all academic and research activities.

Transparency

The institute works as per the defined policies and rules.

Empathy

The integral part of our education is being aware of and being sensitive to conditions of weaker sections of society and contribute towards their welfare.

“
TO BE A LEADING
EDUCATIONAL
INSTITUTE TO
CREATE LEADERS,
AND INNOVATORS
FOR CONTRIBUTING
TOWARDS THE
INDUSTRIAL,
ECONOMIC, AND
SOCIAL GROWTH OF
THE SOCIETY.
”

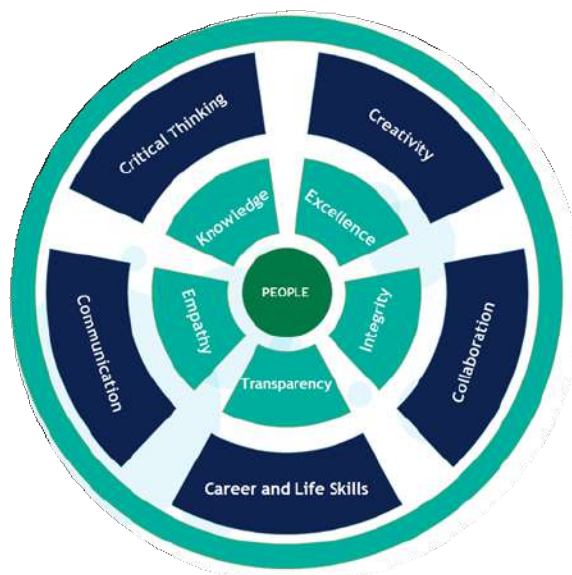
OVERVIEW



MITAOE strategic plan is built upon five core values **Knowledge, Excellence, Integrity, Transparency and Empathy**. All activities at MITAOE are having people at its heart and for imparting essential skills of 21st Century, i.e. Critical Thinking, Creativity, Collaboration, Communication, Career and Life Skills.

The MITAOE strategic plan has been created through a detailed discussion process with all stakeholders. Institute core committee was formed to prepare a draft of the strategic plan based on inputs taken from internal and external stakeholders.

This plan was discussed in various stakeholder meetings followed by feedback on major focus areas. This plan sets the strategy and targets for all functions and units of the institute for the next three years. The implementation strategy and progress will be reviewed quarterly to assure progressive performance.



CORE FOCUS AREAS

1.

Teaching Learning Process

We believe effective learning requires a comprehensive approach that involves appropriate curriculum, engaging pedagogy, continuous assessment, and adequate student support. At MITAOE, we offer flexible but rigorous academic program and opportunities for participating in a wide range of professional and extracurricular activities. The curriculum is designed to empower our students with four important and necessary skills of the 21st century, Critical thinking, Creativity, Collaboration and Communication.

2.

Research & Consultancy

MITAOE endeavors in creating learning environment conjugated with research, which helps students in understanding methods of knowledge creation and its impact in social and economical contexts. The curriculum is largely designed on inquiry based activities. Experiences of faculties working in research forefront areas are further integrated into students learning activities. Key skills of critical analysis, respect for evidence and informed decision-making are stimulated through Project based learning & Minor/Mini/Major projects.

3.

Students Support & Success

MITAOE aims at providing its students a comprehensive platform for different curricular and co-curricular activities to achieve the graduate outcomes in the form of industrial placement, higher studies and entrepreneurship. The corporate relations office is a unique entity in the campus which offers counseling and provides assistance to the students to encourage them for skill-based training, various internship programs, recruitment in the industries of repute, and higher education in renowned universities across the world

4.

Enhanced Student Experience

Nurturing a responsible, empathetic, creative and civilized citizen is the real need of the hour. Providing conducive environment for development of such citizens is our main intention. Student development activities at MITAOE tries to provide all possible facilities and infrastructure to turn an engineer into an ideal citizen.

5.

Enhanced Alumni Engagement

Alumni are a powerful resource for the institutes and its students, both today and in the future. The alumni association has been envisioned to build a strong network between the present budding MITAOEians and its distinguished alumni. Alumni are the brand ambassadors of MITAOE, providing their services to the society.

SUPPORTING FOCUS AREAS

6.

**People &
Welfare**

An institute would be known by its contribution to the society in terms of its exemplary work dedicated to the upliftment of society and its outstanding alumnus who would showcase the Institute's mettle around the globe. This is possible only by a blend of passionate, competent academicians and enthusiastic students with an innovative mindset.

7.

**Social Media
Connect**

To build the brand image of MIT Academy of Engineering to attract the best of the talent by creating dynamic engaging content on the website, social media, print media platforms and exhibitions to improve communication with all the stake holders.

8.

**Entrepreneurial
and Innovation
Ecosystem**

We provide mentoring, Networking & handholding support to students/ alumni/ others for real venture/startups in sector agnostic industries. Till date entrepreneurship education was provided for 1500+ students & 7 faculty were trained as entrepreneurship educators. The EDF also plans to offer a minor specialization for UG students in Innovation, Entrepreneurship & Startups.

9.

**Campus &
Services**

Digital infrastructure is an important part of today's academic system. It provides seamless access to the academic resources allowing students to collaborate and enable the productive environment for administration.

10.

Sustainability

It is imperative that the institution has the infrastructure in place to help the students to learn, research and innovate, in their quest for knowledge viz., ambience, updated library, research labs and computer labs to meet the dynamic requirements of the curriculum in a very sustainable way without causing a negative impact on the environment.

Objectives

- To provide a professional and liberal education to students with guiding principle of a broad and strong foundation, a skillful training and a practical orientation towards solving real-world problems.
- To inculcate value added education for the highest professional competence and character to constructively deal with challenges and opportunities of 21st century.
- To educate the next generation of engineers as integrated expertise across many technical disciplines by enhancing academic flexibility.
- To achieve academic excellence in curriculum design, Content delivery, pedagogy, and assessment.
- To provide a robust learning environment and academic infrastructure for a better student experience
- To nurture industry collaboration and engagement to build student competencies, enhance innovation and solve critical problems.
- To initiate professional course for an in certificate demand career opportunities.

Actions

- Improve faculty competencies by supporting professional training programs
- An effective Blending of Face to face and online pedagogical practices for the enriched learning experience.
- Design a curriculum framework for providing academic flexibility in the selection of specialization courses.
- Embracing the curriculum with technological competencies and skills required in upcoming era of industry 4.0
- Integration of design technology and business thinking in the curriculum for creative and user -focused innovation solutions to the problem.
- Value -based education incorporating universal life skills, professional skills and sustainability.
- Enhance academic, laboratory and library infrastructure for new courses and specialization tracks.
- Formulate assessment and evaluation techniques for new courses and specialization tracks.
- Formulate assessment and evaluation techniques for effectively measuring learning outcomes of the new skill-sets of 21st century.
- Devise policy for academic credit earning through experiential learning in real world context and relevant achievement.
- Strengthen Industry collaboration in academic activities such as expert talks workshop collaborated skill laboratories and courses.

1. Teaching Learning Process

Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Academic Framework					
Curriculum Flexibility (% of Credits))	18	18	18	22	25
Curriculum Revision (% of Contents)	20	20	20	25	30
Industry Engagement					
Expert Talk	75	90	100	100	100
Skill Courses	15	15	15	25	30
Laboratory Collaboration	3	3	3	3	4
Teaching Learning Centre					
Faculty Development Programs	7	7	7	7	7
Professional Courses (per Faculty)	2	2	2	2	2
Assessment Reform (% of Credits)	5	5	10	10	10
Digital Content Creation (No. of Courses)	5	5	10	10	10
Professional Certificate Courses	1	2	3	3	3

To meet the diverse future needs of society through flexible and interdisciplinary academic experience, innovative teaching-learning pedagogy, effective assessment and transformative student experience to promote lifelong learning.

GOAL

Objectives

- ◆ To improve research publications and its impact
- ◆ To submit quality proposals to different funding agencies.
- ◆ To accelerate collaborative and interdisciplinary research.
- ◆ To enhance the Consultancy work
- ◆ To improve IPR related activities

Actions

- ◆ To organize various Workshops/Seminars/ Trainings related to different Research forefront areas and research methods.
- ◆ Create ecosystem for multi-disciplinary research groups in high potential research areas.
- ◆ Transform research environment to meet the highest standards of research conduct, integrity, sustainability and social impact.
- ◆ Encourage and support Research Conferences and Project Expos at MITAOE.
- ◆ Support seed amount for faculty/student's research projects and Conferences
- ◆ Establish Ph.D research centre in Mechanical & Computer Engineering.
- ◆ Encourage Faculty Industry Internship and Collaboration.
- ◆ Encourage Consultancy through Alumni Entrepreneurs and Industrial Sponsored Projects.
- ◆ Collaboration with Research Laboratories (NCL, IISER, DRDO etc) and Industries.
- ◆ Encourage Extension activities through Research Clusters.
- ◆ Establish mechanism to support research activities in forefront areas and identification of thrust areas through a biannual call for proposals.
- ◆ Substantial investment in the Research environment, Training, Digital resources and infrastructure.
- ◆ Articulate comprehensive Research/ Consultancy/IPR policy to foster culture of Research and Innovation.

2. Research & Consultancy

Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Research Funding and Grants					
Seed Money (No. of projects/program)	2	2	2	2	2
External Funding (Per program)	2	2	2	2	2
Total per program	4	4	4	4	4
Research Publications scopus / SCI indexed (Nos.)					
International Journals (Nos.)	16	18	20	25	30
National Journals (Nos.)	2	4	5	5	5
International / National Conferences - (Nos.)	40	50	60	70	80
Book Chapters (Nos.)	2	3	5	10	10
Total (Nos.)	60	75	90	110	125
IPR (No. of Patents)	6	8	10	15	20
Consultancy					
Engineering Consultancy	2	3	4	8	8
Design Consultancy	NA	NA	2	4	6
Total	2	3	6	12	14

Goal

To provide conducive research ecosystem for faculties and students to solve techno societal problems, knowledge generation and broadening funding base.

Objectives

- Develop and offer skill-based programs to cater student's requirements from career point of view
- Organize goal setting sessions from career, entrepreneurship, and higher studies perspectives
- Provide platforms for consultancy work, internship, collaborative projects, and placement
- Improve employability quotient of students
- Develop strong industry institute interaction
- Enhance placement - qualitative and quantitative
- Build relations with National / International universities, research organizations, and industries of repute
- Enhance ecosystem for students aspiring higher education

Actions

- Provide skilled based training and assessment platforms required for employability
- Organise training programs to enhance the technical competencies of the students
- Encourage students for Summer Internship Program (SIP) to enhance their life, social and technical skills
- Maximise the industrial internships opportunities to provide real time industry exposure
- Motivate students for Semester Long internship Program (SLIP) to apply their knowledge and skills for solving the real time industry problems.
- Encourage students to participate in technical competitions like Hackathon, Baja SAE, programming contest
- Build strong network with industries to organize curricular and co-curricular activities, develop collaborative laboratory and arrange certification programs.
- Fetch maximum industry collaborative projects to strengthen the project-based learning experience.
- Motivate faculties for faculty internship and consultancy programs
- Organise seminar, webinar, expert talk to discuss current technical trends
- Counsel the students to improve their career exposure across the globe
- Conduct 'graduate outcome audit' to evaluate student's professional index
- Arrange workshop on leadership, time / stress management, creativity, and innovations
- Organize training sessions to develop soft skills, digital skills, aptitude, logical, analytical, and reasoning skills of students

3. Students Support & Success Outcomes

Key Performance	19-20	20-21	21-22	22-23	23-24
Indicators					
Employability- Training programs	4	6	8	10	12
SIP (Industry) – No. of students	300	350	400	450	500
SIP – No. of industry offers	150	250	350	400	450
SLIP – No. of students	100	125	150	200	250
SLIP – No. of industry offers	40	50	60	80	100
Placement – No. of students	300	350	440	480	500
Placement – No. of industry offers	200	250	300	330	360
Placement - Average Salary	4.0L	4.4L	5.0L	5.4L	5.8L
Higher Studies – No. of students					
International	10	10	10	20	30
National	10	10	20	25	30
Total	20	20	30	45	60

Goal

To impart the necessary knowledge and skills, for enhancing the student's employability quotient, higher education aspirants and passionate entrepreneurs at MITAOE, by improving industry connects, international relations, entrepreneurial ecosystem.

Objectives

- Accomplish holistic development of students by providing essential ecosystem.
- Enrich joy of learning among students.
- Provide exposure to the students in technical, cultural, recreational and sports domain.
- Inculcate empathy and universal human values in students & Support students for their emotional and psychological well-being.
- Develop research aspiration in students through club activities.
- Define student welfare and scholarship policy.
- Improve Student Satisfaction Index.

Actions

- Promote all-round development of students through various club activities
- Build a strong foundation for Liberal Learning courses by including it in curriculum structure to induce emotional, ethical, creative and intellectual competencies in the students in line with Modern Era requirements
- Develop MITAOE clubs as skill centers by providing essential training through expert talks, workshops and internships
- Explore various events and competitions for all clubs to encourage participation & Extend necessary support the students for participation in technical, cultural recreational and sports events
- Encourage club activities by providing best club of the year, outstanding club member and best club coordinator award
- Recognize contribution and efforts of the students for extra and co-curricular activities by linking it to assessment.
- Ensure publications, or product development patents as outcomes of technical clubs by guiding them on it.
- Inculcate empathy and universal human values in students by providing opportunity for Social internship and activities
- Arrange 24*7 psychological and emotional wellbeing support for students through professional online platform.
- Conduct periodic reviews for monitoring the progress of all major events and competitions to ensure quality work and competencies
- Create various scholarships, welfare schemes for needy and meritorious students. Establish a strong bond with alumni through club activities by alumni mentorship
- Conduct periodic survey of student satisfaction for continual improvement

4. Enhanced Student Experience Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Competitions and Events Participation					
Technical-Participation (Nos.)	200	250	300	350	400
Number of Technical competitions	22	25	30	35	40
Number of Technical Achievements	20	25	40	45	50
Total number of students participation in various student events	25%	30%	35%	60%	75%
Total number of students Achievements	60	70	75	80	100
Number of events / competitions to be participated	60	70	90	100	120

MITAOE Club Events-

Organization	19-20	20-21	21-22	22-23	23-24
MITAOE Clubs (Cumulative Nos.)	18	20	25	28	20
Club events (Cumulative Nos.)	110	115	125	150	180
National level technical event (Nos.)	1	1	2	2	2
Sports events (Nos.)	1	2	3	3	3

Youth events	1	1	TEDx, Under 25	TEDx, Under 25	TEDx Under 25
Social Internship					
Number of Social internships	NA	NA	2	2	4
Number of students	NA	NA	40	60	100

GOAL

To create and maintain a safe, healthy, and conducive environment and culture that synthesizes the intellectual, technical, physical, social, emotional, and ethical development of students

Objectives

- Enhance alumni involvement in curricular and co-curricular activities
- Engage alumni as an advisor to mentor the budding Engineers
- Increase awareness and career support through alumni for the ongoing students
- Arrange experience sharing sessions to strengthen educational and social activities
- Encourage alumni to sponsor the development activities
- Build strong alumni connect in and out of India
- Recognize the alumni achievements

Actions

- Involve alumni in curriculum design and delivery
- Engage alumni in project reviews and in other evaluation process
- Arrange expert talks, seminars, webinars, or guest lectures by inviting alumni
- Encourage alumni to extend their support in student placement and internship
- Involve alumni as a mentor in co-curricular and extra-curricular activities.
- Engage alumni in various awareness session to enhance the graduate outcomes
- Organize alumni-meet city wise and abroad

5. Enhanced Alumni Engagement Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Alumni Activities	20	30	60	80	100
Alumni meet (school/institute level)	2	4	6	8	10
Alumni meet – Student involvement	400	500	600	800	1000
Alumni - Sponsorship (Nos.)	2	3	5	7	9
Alumni – Internship / placement offers	NA	NA	40	80	120
Distinguished Alumni - Recognition Appreciation	2	3	5	7	10
	10	20	30	40	50

Goal

To build the strong rapport and networking among faculties, recent students & alumni.

Objectives

- To maintain Faculty to Student ratio for Engineering and Design as per AICTE norms.
- To encourage faculty for lifelong learning.
- To enhance the cadre ratio.

Actions

- To enhance the competencies of faculties and staff:
 - Establishment of Faculty and Staff learning centre for continual skill updation.
 - Design a comprehensive competency matrix to address various skills in a measurable way.
 - Organizing institutional level FDP and SDP programs.
 - Monitoring the Effectiveness of Training.
 - Categorization of faculties as Academic / Research / Development / Administration based on their skills
- To enhance the competencies of Industry-ready faculties and staff:
 - To promote faculty internship in industry, Industry project, consultancy work.
 - Encouraging Schools to take up professional/industry projects
- To enhance FSR and Cadre ratio
 - Recruitment of faculties at the various positions for Engineering, Design, Behavioral sciences and niche technological skills.
- To enhance the process for accountability and ownership to make it more transparent and performance based.
 - Modify Faculty / Staff API scheme with specific and measurable parameters.
 - Enhance KRAs based review.
 - Quarterly review of performance.
 - Appointing senior faculty to mentor Junior faculty.
- To use HRMS process and services through ICT based technology.
- To follow the best practices of HR for motivation and welfare of employees:
 - Welfare scheme to provide support for Conferences, workshops, trainings and provision of Lien leave/ sabbatical leave / Study Leave.
 - Support for Health policy premium
 - Awards and recognition for outstanding performances.

6. People & Welfare Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Faculty Strength (no.)					
Engineering (Faculty : Student ratio)	1:15	1:18	1:18	1:18	1:18
Design	NA	1:20	1:20	1:10	1:10
Tech Integration (%)					
HRMS (Automation of HR processes) Central Repository	10	20	70	100	100
Employee Satisfaction (%)					
	70	70	70	75	80

Goal

To identify, develop, update and maintain competencies of faculties and staff for teaching pedagogy, assessment and evaluation, Research and Development, real time problem solving, interaction with outside world, consultancy and ICT tools.

Objectives

- To enhance the traffic on website (sessions or unique users / day)
- To increase lead generation
- To reduce overall cost per lead (CPL)
- Improve the number of admissions.
- Improve the ratio of registered to admitted students
- Improve the quality of students intake.

Actions

- Use rich keyword-oriented Blogs/ Article/ Publications in all forms of Content.
- Organic ranking of top keywords using local SEO. Increase submission of images /infographics and videos
- Increase domain credibility
- Create a standard event calendar for every quarter for content development
- Increasing followers and engagement on various platforms - Facebook, Instagram, LinkedIn, twitter etc
- Build audiences organically to help in lead generation during admissions.
- Long term marketing - Boosting content online periodically
- Reduce paid advertising spend on Social Media gradually
- Increase quality leads through LMS
- Focus on Content Creation and Optimization - In house - 80% and 20% from external sources - Alumni, Corporate nominees as guest writers

7. Social Media Connect

Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Website traffic projection (unique users per day)	500	750	1000	1200	1400
Admission					
Engineering (%)	80	80	85	90	95
Design(%)	NA	50	85	95	100
Increase quality leads	6000	7000	8000	10000	11000
Sign up leads	750	1000	1500	2000	2500

Goal

To create an image of the institute using digital and other media so as to attract better quality students as well as recruiters and engage with all the stakeholders in a meaningful way

Objectives

- To encourage and support students and youngsters to opt for entrepreneurship as a career opportunity
- To strengthen the students, alumni and local entrepreneurial ecosystem by providing the necessary information, knowledge, support, facilities and organise community-level programs and summit to develop the start-up culture
- To connect the start-up aspirants with the respective domain experts, entrepreneurship mentors, consultants and investors
- To work and network with various organizations in the field of entrepreneurial development

Actions

- Organize the events, hackathons, ideathons, summits for strengthening network.
- Encourage interested students, faculty and staff members for Program (for Engineering and other disciplines) in collaboration with School of Design
- Contribute in long term institute branding activities
- Conduct upskilling and outreach programs
- Execute the capacity building program in Pune region
- Execute and evaluate the outcome of minor specialisations in innovation, entrepreneurship and
- Amendment of existing IPR and Innovation & Startup policy
- Constitute the alumni council for startup and innovation.
- Encourage to adopt and strengthen the NISP (National Innovation and Startup Policy for Students and Faculty) policy for all stakeholder of institute.

8. Entrepreneurial & Innovation Ecosystem

Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Innovation and Entrepreneurship Awareness and Promotional activities	4	6	10	12	12
Networking	2	3	4	6	6
Upskilling and Outreach program	2	2	4	4	6
Alumni engagement activities	2	2	3	4	4
Project to Product (P2P) Transformation Program	1	1	4	6	8
Course offering in IEV (Innovation, Entrepreneurship and Venture)	Offering Minor course	Offering Minor course	Offering Minor course	Certification course in Innovation and E'ship	Continue the existing activities
No of student startup	5	10	20	25	30
Infrastructure and facilities – Incubatee Seating space	5	10	15	20	25
Patents at MITAOE EDF	1	2	4	6	8
Crazy quilt with mentor investor and channel partners	5	10	20	30	40

Goal

To be a leading contributor in the field of Incubation to cultivate, foster and stimulate the to create innovative, sustainable, profitable and job creating start-

Objectives

- Build an e-learning infrastructure for online & on campus courses.
- Enhance and improve the administrative services by technology intervention.
- Build a student information system for all the academic and placement related records.

Actions

- Centralized Wi-Fi network to support mobility and connectivity to any device.
- Gigabit internet and intranet connectivity.
- LMS and ERP to support academic and administrative activities.
- Digital classrooms equipped with internet and smart learning infrastructure.
- Setup a recording studio and build a separate team for creating the digital content required for the online courses.

9. Campus & Services Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Wi-Fi Infrastructure	20%	30%	40%	70%	100%
LMS Concurrent Users	1K	1K	1.5K	2K	3K+
Internet Bandwidth	250	250	500 Mbps	1 GBps	2 Gbps
ERP/LMS	30%	30%	60%	80%	100%
MATLAB License Unlimited	Standard + 40 Add-On + 50 Tool Box	Standard + 40 Add-On + 50 Tool Box	Standard + 40 Add-On + 50 Tool Box	Standard + 50 Add-On + 60 Tool Box	Standard + 60 Add-On + 70 Tool Box
Turnitin Plagiarism	100	100	1000	1000	1000

Goal

To provide the technology enabled digital campus services blended with mobility, any device, e-content availability, and secure access to network

Objectives

- To directly work with the society and community needs.
- To work with the industry on real world projects.
- To develop market driven and technology driven projects.
- To reduce waste generation
- To reduce carbon footprint
- To avoid single use plastic and thermocol.
- To reduce paper consumption by use of digital technology.
- To enhance digital library.

Actions

- To modify the existing infrastructure for a sustainable future.
- To adopt at least one village in the surrounding area to give back to society.
- To collaborate with industry and research centers to share resources for project development, research and consultancy.
- To enhance biogas generation from canteen food waste.
- To enhance vermicomposting from garden waste
- Enhance ground water level by water harvesting.

10. Sustainability Outcomes

Key Performance Indicators	19-20	20-21	21-22	22-23	23-24
Transport Pollution Carbon Footprint Reduction (%)	1	2	4	8	15
Energy Reduction in Energy Consumption	4	4	4	8	17
Solar Energy (% of total)	15	15	15	30	45
Water Consumption (Reduction %)	15	15	15	30	45
Rain water harvesting (Nos)	1	1	1	1	1
Plastic Bottles purchased (Reduction %)	10	20	30	50	80
Paper printing (reduction %)	10	20	25	40	50
Paper recycling (increase %)	10	10	10	20	30
Food waste (reduction %)	10	10	10	25	40
Vermicompost (increase %)	10	10	10	20	30
Land Scaping (increase %)	10	10	10	20	30
Maintenance (reduction %)	5	5	10	20	30
Home-grown organic produce	10	10	10	15	20
Awareness and Training Sessions per year	2	2	7	10	12
Students	1	1	2	2	2
Employees					

Goal

To create infrastructure in a sustainable way i.e., generation of income, wealth and opportunities that result in the creation of additional incomes, wealth and opportunities without reducing the ability to do the same in future

**Education is the most
powerful weapon which
you can use to change
the world.**

- NELSON MANDELA

MIT Academy of Engineering,

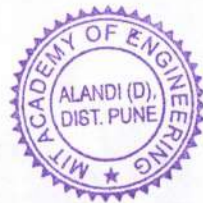
Alandi Road, Pune - 412 105,

Maharashtra (India).

www.mitaoe.ac.in

Quality Objectives Academics

QUARTER I, II, III, IV (2022-2023)



Quality Objectives (Academics)
QUARTER II (2022-2023)

Academic Year: 2022-2023

Date: 31/12/2022

Sl. No.	Objective	Methodology	Indicator	Target	Status QIV	Proposed Action / Action taken
1. Academic Framework						
a	Curriculum Flexibility (% of Credits)	No. of flexible credits with respect to total number of credits	% Credits	22	35	Elective courses in following categories, <ul style="list-style-type: none"> • Foreign Languages (2 Credits) • Technical Skill Courses (8) • Emerging Area Specialization (12 Credits) • Discipline Elective (6 Credits) • Internship (12 Credits) • Projects (16 Credits)
b	Curriculum Revision (% of Contents)	% of Curriculum Structure and Contents Changed	% Contents	25	25	First Year and Final Year curriculum revision
2. Industry Engagement						
a	Expert Talk	Numbers	Nos .	100	58	Few more Student Development Programs, Hands-on Sessions, Workshops on various emerging topics are
b	Skill Courses	Numbers	Nos .	25	30	Refer Annexures – I for Details


DIRECTOR

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Sl. No.	Objective	Methodology	Indicator	Target	Status QIV	Proposed Action / Action taken
c	Laboratory Collaboration	No. of Industry Collaboration in Teaching Learning Process	Nos.	3	3	AWS, Juniper, Palo Alto Networks, Alteryx, Celonis, Cisco, Durocrete
3. Teaching Learning Centre						
a	Faculty Development Programs	Numbers	Nos.	7	6	Refer Annexure-II
b	Professional Courses (per faculty)	Average number of Professional Courses attended by faculty members	Nos.	2	1	One course per semester is attended by faculty members. Refer Annexure-III
c	Assessment Reform (% of Credits)	% of Credits with Innovative Assessment Techniques	Nos.	10	5	Three to four courses in every program are assessed with innovative assessment techniques.
d	Digital Content Creation (No. of Courses)	% of credits with Digital Contents	Nos.	10	3	Digital Contents are created for different courses in all schools.
e	Professional Certificate Courses	Certificate Courses in Emerging Areas	Nos.	3	3	Artificial Intelligence and Machine Learning, Data Science, Cloud Computing

Prepared By:

Dr. Sunita Barve and Prof. Avinash Bhalerao

Verified By:

Deputy Director (Academics and Research)


DIRECTOR
 MIT Academy of Engineering
 Alandi (D.), Pune-412 105.



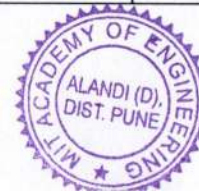
Quality Objectives (Academics)
QUARTER IV (2022-2023)

Academic Year: 2022-2023

Date: 02/09/23

Sl. No.	Objective	Methodology	Indicator	Target	Status QIV	Proposed Action / Action taken
1. Academic Framework						
a	Curriculum Flexibility (% of Credits)	No. of flexible credits with respect to a total number of credits	% Credits	22	35	Elective courses in following categories, <ul style="list-style-type: none"> • Foreign Languages (2 Credits) • Technical Skill Courses (8) • Emerging Area Specialization (12 Credits) • Discipline Elective (6 Credits) • Internship (12 Credits) • Student Mobility (4 Credits) • Projects (16 Credits)
b	Curriculum Revision (% of Contents)	% of Curriculum Structure and Contents Changed	% Contents	25	25	First Year and Final Year curriculum revision
2. Industry Engagement						
a	Expert Talk	Numbers	Nos .	100	100	Student Development Programs, Hands-on Sessions, Workshops on various emerging topics
b	Skill Courses	Numbers	Nos .	25	30	Refer Annexures – I for Details
c	Laboratory Collaboration	No. of Industry Collaboration in Teaching Learning Process	Nos .	3	7	AWS, Juniper, Palo Alto Networks, Alteryx, Celonis, Cisco, Durocrete


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 Alandi (D.), Pune-412 105.



Sl. No.	Objective	Methodology	Indicator	Target	Status QIV	Proposed Action / Action taken
3. Teaching Learning Centre						
a	Faculty Development Programs	Numbers	Nos .	7	16	Refer Annexure-II
b	Professional Courses (per faculty)	Average number of Professional Courses attended by faculty members	Nos .	2	2	One course per semester is attended by faculty members. Refer to Annexure-III
c	Assessment Reform (% of Credits)	% of Credits with Innovative Assessment Techniques	Nos .	10	10	Three to four courses in every program are assessed with innovative assessment techniques.
d	Digital Content Creation (No. of Courses)	% of credits with Digital Contents	Nos .	10	10	Digital Contents are created for 10% of credits
e	Professional Certificate Courses	Certificate Courses in Emerging Areas	Nos .	3	3	Artificial Intelligence and Machine Learning, Data Science, Cloud Computing

Prepared By:

S. Barve

Dr. Sunita Barve and Prof. Avinash Bhalerao

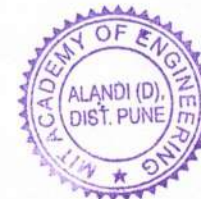
Verified By:

S. Barve

Deputy Director (Academics and Research)

S. Barve
DIRECTOR

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Alandi (D.), Pune-412 105.




QUARTER I (2022-23)

Quality Objectives (Research and consultancy)

Academic Year: 2022-23

Date: 31/09/2022

Sl. No.	Objective	Methodology	Indicator	Target	Status	Proposed Action / Action taken
1. Research						
a	Seed Money (No. of projects/program - 8)	Avg no of seed money proposals per program	Nos	2 (16)	2 (11)	Proposals are called and sanctioned.
b	External Funding (Per program) - Total 8	Avg no of funded projects granted per program	Nos	2	0	Awareness created.
c	Research Publications (Nos)	Research papers in conferences and journals	Nos	110	25	Research awareness created Provided support for conference papers
d	IPR (No. of Patents)	Number of patents filed	Nos	15	0	One to one guidance
2. Consultancy						
a	Engineering Consultancy	\$ (Need Updation)	Nos.	4	0	Contacted industries for exploring consultancy work.
b	Design Consultancy	\$ (Need Updation)	Nos.	2	0	Awareness is created in School of Design.

Prepared By: 
Dean (R&D) Dr. Prafulla Hatte

Verified By: 
Deputy Director (Academics and Research)


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MIT Academy of Engineering
Alandi (D.), Pune-412 105.



QUARTER II (2022-23)

Quality Objectives (Research and consultancy)

Date: 31/12/2022

Academic Year: 2022-2023

Sl. No.	Objective	Methodology	Indicator	Target	Status	Proposed Action / Action taken
1. Research						
a	Seed Money (No. of projects/program - 8)	Avg no of seed money proposals per program	Nos	2 (16)	2 (11)	Faculty members are encouraged for applications. External experts are involved Lab infra creations are motivated
b	External Funding (Per program) - Total 8	Avg no of funded projects granted per program	Nos	2	0	Shared the opportunities of research proposal submissions.
c	Research Publications (Nos)	Research papers in conferences and journals	Nos	110	48	Research awareness created Provided support for conference papers
d	IPR (No. of Patents)	Number of patents filed	Nos	15	7	One to one guidance
2. Consultancy						
a	Engineering Consultancy	\$ (Need Updation)	Nos.	4	0	Faculty members are encouraged for consultancy work.
b	Design Consultancy	\$ (Need Updation)	Nos.	2	0	Areas of consultancy are identified.

Hatte

Prepared By:

Dean (R&D) Dr. Prafulla Hatte

Sobane

Verified By:

Deputy Director (Academics and Research)

DR

DIRECTOR

MIT Academy of Engineering
Alandi (D.), Pune-412 105.




QUARTER III (2022-2023)
Quality Objectives (Research and consultancy)


Academic Year: 2022-2023

Date: 31/03/2023

Sl. No.	Objective	Methodology	Indicator	Target	Status	Proposed Action / Action taken
1. Research						
a	Seed Money (No. of projects/program - 8)	Avg no of seed money proposals per program	Nos	2 (16)	2 (22)	Faculty members are encouraged for applications. External experts are involved Lab infra creations are motivated
b	External Funding (Per program) - Total 8	Avg no of funded projects granted per program	Nos	2	0	Nine proposals submitted. Results are awaited.
c	Research Publications (Nos)	Research papers in conferences and journals	Nos	110	90	Research awareness created Provided support for conference papers Motivated for papers based on projects
d	IPR (No. of Patents)	Number of patents filed	Nos	15	15	Conducted patent awareness sessions. One to one guidance
2. Consultancy						
a	Engineering Consultancy	Number of consultancy proposals	Nos .	4	1	One project taken by School of Mechanical. Other schools are encouraged to take the consultancy. Faculty database is created for taking the consultancy as per domain.
b	Design Consultancy	Number of consultancy proposals	Nos .	2	0	Awareness is created in School of Design. Areas of consultancy are identified.

Prepared By: 
 Dean (R&D) Dr. Prafulla Hatte

Verified By: 
 Deputy Director (Academics and Research)


DIRECTOR
 MIT Academy of Engineering
 Alandi (D.), Pune 412 105.



Quality Objectives (Research and consultancy)
QUARTER IV (2022-2023)

Academic Year: 2022-2023

Date: 02/09/2023

Sl. No.	Objective	Methodology	Indicator	Target	Status	Proposed Action / Action taken
1. Research						
a	Seed Money (No. of projects/program - 8)	Avg no of seed money proposals per program	Nos	2 (16)	2 (22)	Faculty members are encouraged for applications. External experts are involved Lab infra creations are motivated
b	External Funding (Per program) - Total 8	Avg no of funded projects granted per program	Nos	2	0	Nine proposals submitted. Results are awaited.
c	Research Publications (Nos)	Research papers in conferences and journals	Nos	110	121	Research awareness created Provided support for conference papers Motivated for papers based on projects
d	IPR (No. of Patents)	Number of patents filed	Nos	15	17	Conducted patent awareness sessions. One to one guidance
2. Consultancy						
a	Engineering Consultancy	Number of consultancy proposals	Nos.	4	1	One project taken by School of Mechanical. Other schools are encouraged to take the consultancy. Faculty database is created for taking the consultancy as per domain.
b	Design Consultancy	Number of consultancy proposals	Nos.	2	0	Awareness is created in School of Design. Areas of consultancy are identified.

Prepared By: 
Dean (R&D) Dr. Prafulla Hatte

Verified By: 
Deputy Director (Academics and Research)


DIRECTOR
MIT Academy of Engineering
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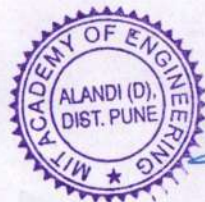
Quality Objectives (Entrepreneurial & Innovation Ecosystem)

QUARTER – I (2022-23) Status

Academic Year: 2022-23

Date: 01/11/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QI Status (Cum)	Proposed Action / Action taken
Entrepreneurial & Innovation Ecosystem						
a.	IE Awareness and Promotional activities	No of entrepreneurship activities conducted participated per quarter	Nos.	12	3	<ol style="list-style-type: none"> Promotion of CII Startup entrepreneur Award 22 Promotion of National Research Development Corporation :Seed Funding for Promoting manufacturing Startup Promotion of 5 National Conference on Innovative Global Trends in Art.Design, Technology, Management, Vedic Science, Education, Architecture of MIT A.D.T.University Pune
b	Networking	No of connects established with industry and Startup experts for overall ecosystem supports per quarter	Nos.	6	1	<ol style="list-style-type: none"> Mrs. Saylee Bidwai and Mr. Tukaram Sonawane attended demo day in collaboration with WF team for Networking with startup to attract them for SISF applications.



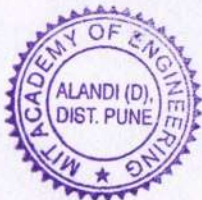


g	Infrastructure and facilities seats allocated (physically and virtually) for	Nos.	20	12	NIL
f	No of student startup	Nos.	25	5	1. 13 startup teams are in process of Enrollment. Seed funds are provided for incorporation
e	Project to Product (P2P) Transformation Program	Nos.	6	2	1. Two projects have been shortlisted for the P2P program (1. Authentication and Tracking system through Blockchain technology 2. Development of Constant Feeding for Drilling Operation): in process
d	Alumni engagement activities	Nos.	4	2	1. Application of Alumni startup is in process for SISF funding and in the same view virtual meeting is done.
c	Upskilling and Outreach program	Nos.	4	2	1. Submission of Undertaking, transaction details on SISF Portal for fund Disbursement. Till now 84 lakh has been credited in EDF bank account.

		incubation period per year				
h	Patents at MITAOE EDF	No of student's startups' patents filled per year	Nos.	6	0	1. Vending Machine and 2. Mirror Chair IP filling is in the process
i	Crazy quilt with the mentors, investors, and channel partners	No. of collaboration and MOUs signed with the mentors, investors, and channel partners	Nos.	30	6	1. Networking with 4 channel partners for industry work, raw material and product market service outsourcing.

Prepared By: Ms Saylee Bidwai

Verified By: Dr. Shitalkumar A Jain



Quality Objectives (Students Support & Success)

QUARTER - I (2022-23) Status

Academic Year: 2022-23

Date: 01/11/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QI Status (Cum)	Proposed Action / Action taken
1. Students Support & Success						
a.	Employability- Training programs	Number of employability training programs organized at school/institute level to enhance the professional/soft skills of the students	Nos.	10	3	<ul style="list-style-type: none"> • Zensar ESD • Cyber Security training with Palo Alto Network certification • CISCO - Network Essentials Certification
b.	SIP(Industry) - No. of students	Number of TYBTECH students enrolled for the industrial internship during June-July	Nos.	450	NA	<ul style="list-style-type: none"> • NA



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c	SIP - No. of industry offers	Number of industries offered the short-term internship program to TY BTECH students during June-July	Nos.	400	NA	NA
d	SLIP - No. of students	Number of Final Year BTECH students enrolled for the industrial internship during their 8 th semester	Nos.	200	NA	NA
e	SLIP - No. of the industry offers	Number of industries offered the semester-long internship to Final Year BTECH students during their 8 th semester	Nos.	80	NA	NA
f	Placement - No. of students	Number of Final Year students placed through campus placement process	Nos.	480	232	<ul style="list-style-type: none"> Product-based industries have selected the students with good packages.
g	Placement - No. of the industry offers	Number of industries recruited Final Year students through campus placement process	Nos.	330	31	<ul style="list-style-type: none"> More recruiters will be invited for recruitment in Q2 and Q3.



h	Placement - Average Salary (in Lakhs)	Average salary calculated considering the salaries of all the placed students through campus placement process	Rs. in Lakhs per annum	5.4 L	6.56 L	<ul style="list-style-type: none"> Number of placements in product-based companies has increased with higher packages.
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Prepared By: Mr. Pramod Dastoorkar

Verified By: Dr. Shitalkumar A Jain



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Quality Objectives (Alumni Engagement)

QUARTER - I (2022 - 23) Status

Academic Year: 2022-23

Date: 01/11/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QI Status (Cum)	Proposed Action / Action taken
1. Alumni Engagement						
a.	Alumni Activities	Delivering Talk on curricular, co-curricular, and extra-curricular activities, conducting mock GD/PI, mentor for club activities, external examiner, jury	Nos.	80	18	<ul style="list-style-type: none"> • Diverse range of lecture topics, inviting alumni to speak on emerging trends, industry insights, or personal experiences. • Host workshops conducted by alumni to guide students in mastering interview skills and group discussion tactics. • Facilitate structured mentorship programs where alumni can guide and support current students.
b.	Alumni meet (school/institute level)	Physical meet or online through Google meet or MS Team	Nos.	8	2	<ul style="list-style-type: none"> • Arranged alumni reunions structured at the institute level as well as batch-specific meets



c	Alumni meet - Student involvement	Motivating through portal, social websites and invitation through project guides, senior teachers	Nos.	800	41	<ul style="list-style-type: none">Organizing alumni reunions tailored to specific batches and locations
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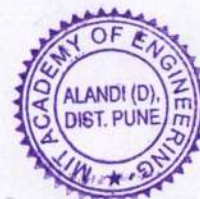
Sl. No.	Objective	Methodology	Indicator	Annual Target	QI Status (Cum)	Proposed Action / Action taken
d	Alumni - Sponsorship (Nos.)	Raising the funds in various developmental activities (club activities, conferences, support for economically weaker students, lab development, awards through alumni)	Nos.	7	0	<ul style="list-style-type: none"> One new approach to motivate alumni to support club-related work and development could be creating an interactive platform or a digital space where alumni can witness the direct impact of their contributions.
e	Alumni - Internship/placement offers	Career and Internship support campaign	Nos.	80	1	<ul style="list-style-type: none"> Alumni platform could offer a seamless and exclusive channel for alumni to share professional openings, mentorship roles, or internships.
f	Distinguished Alumni / Recognition Appreciation	Award Ceremony, publicity, and recognition	Nos.	7 / 40	6/6	<ul style="list-style-type: none"> Profile alumni achievements in newsletters, blogs, or magazines, celebrating their successes and reinforcing their connection with the institution.

P. Kothmire

Prepared By: Dr. Pramod Kothmire

Shitalkumar A Jain

Verified By: Dr. Shitalkumar A Jain



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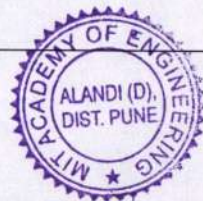
Quality Objectives (Entrepreneurial & Innovation Ecosystem)

QUARTER - II (2022-23) Status

Academic Year: 2022-23

Date: 30/01/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QII Status (Cum)	Proposed Action / Action taken
Entrepreneurial & Innovation Ecosystem						
a.	IE Awareness and Promotional activities	No of entrepreneurship activities conducted participated per quarter	Nos.	12	5	1. Promotion of PITCHING DAY for COEP 2. Promotion of ATSS'MBA @IICMR UDAAN 15.04.23 3. Global Entrepreneurship Exchange 20.04.23
b.	Networking	No of connects established with industry and Startup experts for overall ecosystem supports per quarter	Nos.	6	5	1. Recruitment drive for Ecell membership
c.	Upskilling and Outreach program	No. of entrepreneurship activities conducted & organized to expand the outreach of MITAOE-EDF per quarter	Nos.	4	3	1. 1st ISMC meeting organized as a requirement of SISF seed funding scheme



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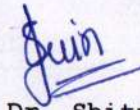
d	Alumni engagement activities	No. of entrepreneurship Activities organized with involvements of alumni entrepreneurs per year	Nos.	4	4	1. Interaction made with Alumni for student's awareness session- Whats App groups created
e	Project to Product (P2P) Transformation Program	No. of student's project converted into the commercially viable products per year	Nos.	6	3	1. projects completed (2)
f	No of student startup	No. of student's startup support for the idea to MVP and further growth per year	Nos.	25	11	1. Existing startup operations Ongoing
g	Infrastructure and facilities -Incubatee Seating space	No. of Incubatee seats allocated (physically and virtually) for incubation period per year	Nos.	20	12	1. Setup of New Incubation Facility has been ready and started utilization of same: Completed
h	Patents at MITAOE EDF	No of student's startups' patents filled per year	Nos.	6	2	2 IP filing completed, One in process



i	Crazy quilt with the mentors, investors, and channel partners	No. of collaboration and MOUs signed with the mentors, investors, and channel partners	Nos.	30	11	Networking with Deshpande Foundation initiated.
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Prepared By: Ms Saylee Bidwai



Verified By: Dr. Shitalkumar A Jain




Quality Objectives (Students Support & Success)

QUARTER - II (2022-23) Status

Academic Year: 2022-23

Date: 30 / 01 / 2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QII Status (Cum)	Proposed Action / Action taken
1. Students Support & Success						
a.	Employability- Training programs	Number of employability training programs organized at school/institute level to enhance the professional/soft skills of the students	Nos.	10	6	<ul style="list-style-type: none"> • Zensar ESD • Cyber Security training with Palo Alto Network certification • CISCO - Network Essentials Certification
b.	SIP(Industry) - No. of students	Number of TYBTECH students enrolled for the industrial internship during June-July	Nos.	450	NA	<ul style="list-style-type: none"> • NA



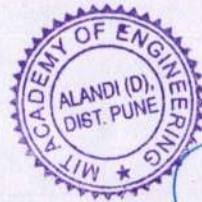
c	SIP - No. of industry offers	Number of industries offered the short-term internship program to TY BTECH students during June-July	Nos.	400	NA	NA
d	SLIP - No. of students	Number of Final Year BTECH students enrolled for the industrial internship during their 8 th semester	Nos.	200	NA	NA
e	SLIP - No. of the industry offers	Number of industries offered the semester-long internship to Final Year BTECH students during their 8 th semester	Nos.	80	NA	NA
f	Placement - No. of students	Number of Final Year students placed through campus placement process	Nos.	480	330	<ul style="list-style-type: none"> Product-based industries have selected the students with good packages.
g	Placement - No. of the industry offers	Number of industries recruited Final Year students through campus placement process	Nos.	330	86	<ul style="list-style-type: none"> More recruiters will be invited for recruitment in Q3 and Q4.



h	Placement - Average Salary (in Lakhs)	Average salary calculated considering the salaries of all the placed students through campus placement process	Rs. in Lakhs per annum	5.4 L	6.56 L	<ul style="list-style-type: none"> Number of placements in product-based companies has increased with higher packages.
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Prepared By: Mr. Pramod Dastoorkar

Verified By: Dr. Shitalkumar A Jain



Quality Objectives (Alumni Engagement)

QUARTER - II (2022 - 23) Status

Academic Year: 2022-23

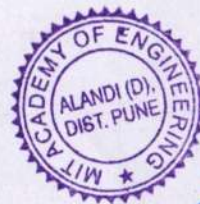
Date: 30 / 01 / 2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QII Status (Cum)	Proposed Action / Action taken
1. Alumni Engagement						
a.	Alumni Activities	Delivering Talk on curricular, co-curricular, and extra-curricular activities, conducting mock GD/PI, mentor for club activities, external examiner, jury	Nos.	80	32	<ul style="list-style-type: none"> Lecture series is planned Mock GD/PI will be conducted Plan to Invite as an External examiner for Nov Dec 2022 - ESE/Practical/Oral/Project exam
b.	Alumni meet (school/institute level)	Physical meet or online through Google meet or MS Team	Nos.	8	3	<ul style="list-style-type: none"> Institute level and Batch wise alumni meet are planned
c.	Alumni meet - Student involvement	Motivating through portal, social websites and invitation through project guides, senior teachers	Nos.	800	100	<ul style="list-style-type: none"> Batch-wise alumni meet are planned



Sl. No.	Objective	Methodology	Indicator	Annual Target	(QI + QII) Status	Proposed Action / Action taken
d	Alumni - Sponsorship (Nos.)	Raising the funds in various developmental activities (club activities, conferences, support for economically weaker students, lab development, awards through alumni)	Nos.	7	0	<ul style="list-style-type: none"> Alumni are motivated to contribute to support for club-related work and development by making them aware of the future development activities and the outcomes
e	Alumni - Internship/placement offers	Career and Internship support campaign	Nos.	80	26	<ul style="list-style-type: none"> Through meet we are encouraging alumni to post the opportunity for job/ internship for current students on portal
f	Distinguished Alumni / Recognition Appreciation	Award Ceremony, publicity, and recognition	Nos.	7 / 40	6/6	<ul style="list-style-type: none"> Quarter-wise updates on alumni achievement are taken through portal

Prepared By: Dr. Pramod Kothmire



Verified By: Dr. Shitalkumar A Jain

Quality Objectives (Entrepreneurial & Innovation Ecosystem)

QUARTER - III (2022-23) Status

Academic Year: 2022-23

Date: 01/06/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIII Status (Cum)	Proposed Action / Action taken
Entrepreneurial & Innovation Ecosystem						
a.	IE Awareness and Promotional activities	No of entrepreneurship activities conducted participated per quarter	Nos.	12	8	1. Startup India Seed Funding Promotional session taken, 2. MSME Idea Hackathon Promotional Activity Organized. 3. Promotion of triathlon-code red 2.0 (Hackathon)Design-a-thon from Youth Ideation from Wadhvani NEN.
b.	Networking	No of connects established with industry and Startup experts for overall ecosystem supports per quarter	Nos.	6	7	1. Net working done with sushant Kulkarni for mentoring incubatee for Incorporation of company & fund raising
c.	Upskilling and Outreach program	No. of entrepreneurship activities conducted & organized to expand the outreach of MITAOE-EDF per quarter	Nos.	4	5	1. Four ideas forwarded for further round of scrutiny under MSME champion scheme.



d	Alumni engagement activities	No. of entrepreneurship Activities organized with involvements of alumni entrepreneurs per year	Nos.	4	5	1. Mr. Krunal Jagtap has been invited for querries / advising on current updateds for the students of Startup and Venture Development
e	Project to Product (P2P) Transformation Program	No. of student's project converted into the commercially viable products per year	Nos.	6	3	1. Our 5 incubatee Registered for Udyam Aadhar Certificate
f	No of student startup	No. of student's startup support for the idea to MVP and further growth per year	Nos.	25	13	1. Six students startups enrollment process completed
g	Infrastructure and facilities -Incubatee Seating space	No. of Incubatee seats allocated (physically and virtually) for incubation period per year	Nos.	20	12	1. All SVD students were allotted separate desk for their practise / experimental work'
h	Patents at MITAOE EDF	No of student's startups' patents filled per year	Nos.	6	3	Two IP's Filing done
i	Crazy quilt with the mentors,	No. of collaboration and MOUs signed with	Nos.	30	15	Networking with, 1) Mr. Sujeet Mukherjee- Investor Lead Service Provider, 2) Mr. Mosam Ugemuge-



	investors, and channel partners	the mentors, investors, and channel partners				Founder, Attron Automotive. 3) Mr. Bhima Wangaskar- Cofounder, Thermistance 4) Dr. Hema Yadav, Director-Cooperation Department, VMNICOM, 5) Mr. Amol More, Designer-PVG Technology 6) Dr. Prashant Khande, COO- FASAL-STPI Pune
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Prepared By: Ms. Saylee Bidwai

Verified By: Dr. Shitalkumar A Jain



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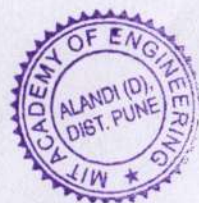
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Quality Objectives (Students Support & Success)
QUARTER - III (2022-23) Status

Academic Year: 2022-23

Date: 01 / 06 / 2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIII Status (Cum)	Proposed Action / Action taken
1. Students Support & Success						
a.	Employability-Training programs	Number of employability training programs organized at school/institute level to enhance the professional/soft skills of the students	Nos.	10	10	<ul style="list-style-type: none"> Zensar ESD Cyber Security training with Palo Alto Network certification CISCO - Network essentials Certification AICTE - EDuSkills foundation virtual internship programs through different academies (3 numbers) ExcelR training programs Full Stack Development (FUEL Foundation) Aptitude Training - BTech Guru Placement Ready Online training, assessment and certifications through Infosys SpringBoard
b	SIP(Industry) - No. of students	Number of TYBTECH students enrolled for the industrial internship during June-July	Nos.	450	NA	<ul style="list-style-type: none"> NA



c	SIP - No. of industry offers	Number of industries offered the short-term internship program to TY BTECH students during June-July	Nos.	400	NA	NA
d	SLIP - No. of students	Number of Final Year BTECH students enrolled for the industrial internship during their 8 th semester	Nos.	200	407	<ul style="list-style-type: none"> SLIP policy circulated among the students, registration of more than 500 interested students for SLIP program
e	SLIP - No. of the industry offers	Number of industries offered the semester-long internship to Final Year BTECH students during their 8 th semester	Nos.	80	148	<ul style="list-style-type: none"> SLIP drives were conducted by more than 100 industries and all the students have joined the industries as full time interns.
f	Placement - No. of students	Number of Final Year students placed through campus placement process	Nos.	480	467	<ul style="list-style-type: none"> Product-based industries have selected the students with good packages.
g	Placement - No. of the industry offers	Number of industries recruited Final Year students through campus placement process	Nos.	330	251	<ul style="list-style-type: none"> More core industries will be invited for recruitment in Q IV



h	Placement - Average Salary (in Lakhs)	Average salary calculated considering the salaries of all the placed students through campus placement process	Rs. in Lakhs per annum	5.4 L	6.47 L	<ul style="list-style-type: none"> Number of placements in product-based companies has increased with higher packages.
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Prepared By: Mr. Pramod Dastoorkar

Verified By: Dr. Shitalkumar A Jain



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Quality Objectives (Alumni Engagement)

QUARTER - III (2022-23) Status

Academic Year: 2022-23

Date: 01 / 06 / 2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIII Status (Cum)	Proposed Action / Action taken
1. Alumni Engagement						
a.	Alumni Activities	Delivering Talk on curricular, co-curricular, and extra-curricular activities, conducting mock GD/PI, mentor for club activities, external examiner, jury	Nos.	80	62	<ul style="list-style-type: none"> Lecture series is planned Mock GD/PI will be conducted Plan to Invite as an External examiner for Nov Dec 2022 - ESE/Practical/Oral/Project exam
b.	Alumni meet (school/institute level)	Physical meet or online through Google meet or MS Team	Nos.	8	6	<ul style="list-style-type: none"> Institute level and Batch wise alumni meet are planned
c.	Alumni meet - Student involvement	Motivating through portal, social websites and invitation through project guides, senior teachers	Nos.	800	535	<ul style="list-style-type: none"> Batch-wise alumni meet are planned



Sl. No.	Objective	Methodology	Indicator	Annual Target	(QI + QII + QIII) Status	Proposed Action / Action taken
d	Alumni - Sponsorship (Nos.)	Raising the funds in various developmental activities (club activities, conferences, support for economically weaker students, lab development, awards through alumni)	Nos.	7	8	<ul style="list-style-type: none"> Alumni are motivated to contribute to support for club-related work and development by making them aware of the future development activities and the outcomes
e	Alumni - Internship/placement offers	Career and Internship support campaign	Nos.	80	70	<ul style="list-style-type: none"> Through meet we are encouraging alumni to post the opportunity for job/ internship for current students on portal
f	Distinguished Alumni / Recognition Appreciation	Award Ceremony, publicity, and recognition	Nos.	7/40	12/ 33	<ul style="list-style-type: none"> Quarter-wise updates on alumni achievement are taken through portal

Prepared By: Dr. Pramod Kothmire

Verified By: Dr. Shitalkumar A Jain



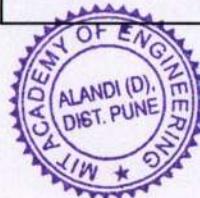
Quality Objectives (Entrepreneurial & Innovation Ecosystem)

QUARTER – IV (2022-23) Status

Academic Year: 2022-23

Date: 02/09/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIV Status (Cum)	Proposed Action / Action taken
Entrepreneurial & Innovation Ecosystem						
a.	IE Awareness and Promotional activities	No of entrepreneurship activities conducted participated per quarter	Nos.	12	11	<ol style="list-style-type: none"> Promotion of the Institution's Innovation Council's organizing an impact lecture series on innovation, entrepreneurship, and intellectual property rights. Promotion of SPPU "Power 2022 - A Pre-Incubation Program" Promotion of DBS Bank (DBS) "s Organizing The Bharat Pitchathon, 2022. Promotion of Bhau Institute of Innovation, Entrepreneurship & leadership- Internship opportunity at Inion VR technologies Promotion of Scitech StepUp ManXL: Call for Applications for Start-ups in Manufacturing Sector
b.	Networking	No of connects established with industry and Startup experts for overall	Nos.	6	8	<ol style="list-style-type: none"> Prof. Tukaram Sonawane attended IIC Regional Meet 22 Mrs. Apurva Mehetre has joined EDF and she is undergoing training for Innovation Ambassador at the Foundation Level of IIC.



		ecosystem supports per quarter				3. Also she has completed the Basics of Entrepreneurship Module by UpGrad
c	Upskilling and Outreach program	No. of entrepreneurship activities conducted & organized to expand the outreach of MITAOE-EDF per quarter	Nos.	4	6	1. Submission of ARIIA Data and completed the startup verification at Yukti Portal 2. Conducted meeting and discussed on the status of NISP data submission which will be auto-reflected and considered in the ARIIA 2022 ranking.
d	Alumni engagement activities	No. of entrepreneurship Activities organized with involvements of alumni entrepreneurs per year	Nos.	4	6	1. Alumni Startup call for form submission on Yukti portal under Idea, Prototype & Startups. 2. HabBiomass signed the NDA with Forbes Marshall for POC development worth of 30 lakh seed funds
e	Project to Product (P2P) Transformation Program	No. of student's project converted into the commercially viable products per year	Nos.	6	4	1. 2 projects have been shortlisted for P2P program (1. Authentication and Tracking system through Block Chain technology 2. Development of Constant Feeding for Drilling Operation)
f	No of student startup	No. of student's startup support for the idea to MVP and further growth per year	Nos.	25	16	1. 5 no's students startups Enrollment are in process (Cumulative 40)) 2. 11 Internal, 5 external Refer Annexure for details




g	Infrastructure and facilities -Incubatee Seating space	No. of Incubatee seats allocated (physically and virtually) for incubation period per year	Nos.	20	12	1. Cowork space created 2. Provision for additional Incubatee seats are in process.
h	Patents at MITAOE EDF	No of student's startups' patents filled per year	Nos.	6	3	1. Vending Machine and 2. Mirror Chair IP filling is in the process
i	Crazy quilt with the mentors, investors, and channel partners	No. of collaboration and MOUs signed with the mentors, investors, and channel partners	Nos.	30	16	Networking with, 1) Mr. Sujeet Mukherjee- Investor Lead Service Provider, 2) Mr. Mosam Ugemuge- Founder, Attron Automotive. 3) Mr. Bhima Wangaskar- Cofounder, Thermistance 4) Dr. Hema Yadav, Director-Cooperation Department, VMNICOM, 5) Mr. Amol More, Designer-PVG Technology 6) Dr. Prashant Khande, COO- FASAL-STPI Pune

Prepared By: Mrs. Saylee Bidwai

Verified By: Dr. Shitalkumar A Jain



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Quality Objectives (Students Support & Success)

QUARTER - IV (2022-23) Status

Academic Year: 2022-23

Date:02/09/2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIV Status (Cum)	Proposed Action / Action taken
1. Students Support & Success						
a.	Employability- Training programs	Number of employability training programs organized at school/institute level to enhance the professional/soft skills of the students	Nos.	10	12	<ul style="list-style-type: none"> • Zensar ESD • Cyber Security training with Palo Alto Network certification • CISCO - Network essentials Certification • ExcelR training programs • Fullstack Development (FUEL Foundation) • Aptitude Training - BTech Guru Placement Ready • Infosys Spring Board • Oracle cloud Infrastructure • Microsoft REVIT • Microsoft AI/ML • AICTE EDUSkills foundation - AWS, Celonis, ALTRYXS, Microchip, UI path RPA



b	SIP(Industry) - No. of students	Number of TYBTECH students enrolled for the industrial internship during June-July	Nos.	450	684	<ul style="list-style-type: none"> • Internship completed in startups, SMEs, MNCs • 80 + new industry visits / connects
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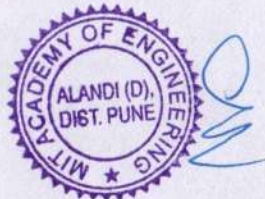
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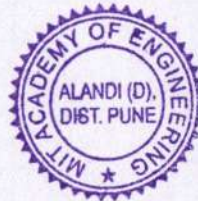
c	SIP - No. of industry offers	Number of industries offered the short-term internship program to TY BTECH students during June-July	Nos.	400	208	Industries have selected multiple students for 2 month full time internship
d	SLIP - No. of students	Number of Final Year BTECH students enrolled for the industrial internship during their 8 th semester	Nos.	200	407	<ul style="list-style-type: none"> • SLIP policy circulated among the students. • Good feedback received from industries for past 3 batches. • PPO given by recruiters has given the opportunity for a full time internship.
e	SLIP - No. of the industry offers	Number of industries offered the semester-long internship to Final Year BTECH students during their 8 th semester	Nos.	80	148	<ul style="list-style-type: none"> • Very good response and feedback from industries for SLIP students.
f	Placement - No. of students	Number of Final Year students placed through campus placement process	Nos.	480	487	<ul style="list-style-type: none"> • Product-based industries have selected the students with good packages. • 601 with Multiple offers
g	Placement - No. the industry offers	Number of industries recruited Final Year students through campus placement process	Nos.	330	255	<ul style="list-style-type: none"> • Multiple selections in industries. • Slow down in USA / UK



h	Placement - Average Salary (in Lakhs)	Average salary calculated considering the salaries of all the placed students through campus placement process	Rs. in Lakhs per annum	5.4 L	6.05 L	<ul style="list-style-type: none"> Number of placements in product-based companies has increased with higher packages.
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Prepared By: Mr. Pramod Dastoorkar

Verified By: Dr. Shitalkumar A Jain



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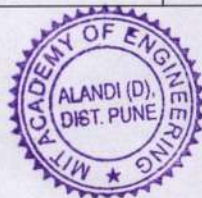
Quality Objectives (Alumni Engagement)

QUARTER - IV (2022-23) Status

Academic Year: 2022-23

Date: 02 / 09 / 2023

Sl. No.	Objective	Methodology	Indicator	Annual Target	QIV Status (Cum)	Proposed Action / Action taken
1. Alumni Engagement						
a.	Alumni Activities	Delivering Talk on curricular, co-curricular, and extra-curricular activities, conducting mock GD/PI, mentor for club activities, external examiner, jury	Nos.	80	81	<ul style="list-style-type: none"> Lecture series conducted. Product audit - Mock GD /PI conducted Invited Alumni as External examiners for ESE/Practical/Oral/Project exam Alumni participated for international internship (Aniket Gorhe) Mentors for Technical activities, sports
b.	Alumni meet (school/institute level)	Physical meet or online through Google meet or MS Team	Nos.	8	8	<ul style="list-style-type: none"> Alumni meets organized at international and institutional level meet.
c.	Alumni meet - Student involvement	Motivating through portal, social websites and invitation through project guides, senior teachers	Nos.	800	720	<ul style="list-style-type: none"> Batch-wise alumni meet are planned Felicitation of alumni for their achievements.



Sl. No.	Objective	Methodology	Indicator	Annual Target	QIV Status	Proposed Action / Action taken
d	Alumni - Sponsorship (Nos.)	Raising the funds in various developmental activities (club activities, conferences, support for economically weaker students, lab development, awards through alumni)	Nos.	7	8	<ul style="list-style-type: none"> Alumni are motivated to contribute to support for club-related work and development by making them aware of the future development activities and the outcomes Rs. 561504 received as sponsorship. Organizing tech festivals and assisting needy students for fees. Supporting club activities for machining operations.
e	Alumni - Internship/placement offers	Career and Internship support campaign	Nos.	80	74	<ul style="list-style-type: none"> Through meet we are encouraging alumni to post the opportunity for job/ internship for current students on portal
f	Distinguished Alumni / Recognition Appreciation	Award Ceremony, publicity, and recognition	Nos.	7 / 40	12/33	<ul style="list-style-type: none"> Quarter-wise updates on alumni achievement are taken through portal and felicitating them at ASG (Annual Social Gathering) and Confluence program.

P. Kothmire

Prepared By: Dr. Pramod Kothmire

Dr. Shitalkumar A Jain

Verified By: Dr. Shitalkumar A Jain



Dr. Shitalkumar A Jain