MIT Academy of Engineering
(An Autonomous Institute)

Alandi (D), Pune - 412 105

IQAC Committee

ACADEMIC YEAR : 2023-2024

Sr. No.	Name	Designation
01	Prof.(Dr.) Mahesh D. Goudar	Chairman IQAC
02	Prof.(Dr.) Shitalkumar. A. Jain	Administration Officers
03	Prof.(Dr.) Sunita S. Barve	
04	Prof. Sunilkumar.M.Bhagat	
05	Prof. Avinash Bhalerao	Teachers Representative
06	Prof.(Dr.) Abhijeet Malge	
07	Dr. Vaishali Wangikar	
08	Dr. Arika Kotha	
09	Dr. Shayam Shukla	
10	Prof. (Dr.) Rajeswari Goudar	
11	Dr. Sandeep Shewale	
12	Prof.(Dr.) Dipti Sakhare	
13	Prof.(Dr.) Prafulla Hatte	
14	Mr. Shridhar Khandekar	
15	Mrs. Vandana Khandelwal	Staff Representatives
16	Prof.(Dr.) Balasaheb. Waphare	Local Society Representatives
17	Prof.(Dr.) Anant Chakradeo	Management Representatives
18	Ms. Srushti Jadhav	Student Representatives
19	Mr. Mangesh Hambad	Student Representatives
20	Mr. Anil Bhat	Alumni Representatives
21	Mr. Pravin Pawar	Industry Representatives
22	Mr. Girish Bora	
23	Dr. Suyogkumar Taralkar	IQAC - Coordinator, Dean QA

Dr. Suyogkumar Taralkar
IQAC – Coordinator, Dean QA

Dr. Mahesh D Goudar
IQAC - Chairman

MIT Academy of Engineering (An Autonomous Institute)	**Agenda of the Meeting**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**22nd November 2023**
	MEETING NO.	:	**IQAC/2023-24/01**

IQAC meeting 1 for the academic year 2023-24 is scheduled on Tuesday, 05th December 2023 at 2.00 pm in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2022-23/04) and review on action taken report
2. To discuss NBA-Civil expert team observations
3. To discuss about NAAC Peer Team observations
4. To discuss implementation of the NEP 2020 curriculum from the academic year 2023-24
5. To discuss the value-added courses planned for the academic year 2023-24
6. To discuss about slow and advanced learner's methodology adopted for the academic year 2023-24
7. To discuss about stakeholder's feedback on curriculum (2023-24)
8. To discuss student's feedback on infrastructure and action taken on suggestions/comments (2023-24)
9. To discuss about R&D activities (Quarter-1: 2023-24)
10. To discuss about T&P activities (Quarter-1: 2023-24)
11. To discuss about Alumni activities (Quarter-1: 2023-24)
12. To discuss about Students activities (Quarter-1: 2023-24)
13. To discuss about accreditation status (NAAC & NBA)
14. To discuss about Entrepreneurship development cell activity (Quarter-1: 2023-24)
15. To discuss revision in the strategic plan
16. Any other point with the permission of the chair

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D. Goudar** **IQAC – Chairman, Director**

MIT Academy of Engineering (An Autonomous Institute)	**MINUTES OF THE MEETING**	
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	**5th December 2023**
	MEETING NO	**IQAC/2023-24/01**

The agenda for the same is as follows:

- To confirm the previous minutes of meetings (IQAC/2022-23/04) and review on action taken report
- To discuss NBA-Civil expert team observations
- To discuss about NAAC Peer Team observations
- To discuss implementation of the NEP 2020 curriculum from the academic year 2023-24
- To discuss the value-added courses planned for the academic year 2023-24
- To discuss about slow and advanced learner's methodology adopted for the academic year 2023-24
- To discuss about stakeholder's feedback on curriculum (2023-24)
- To discuss student's feedback on infrastructure and action taken on suggestions/comments (2023-24)
- To discuss about R&D activities (Quarter-1: 2023-24)
- To discuss about T&P activities (Quarter-1: 2023-24)
- To discuss about Alumni activities (Quarter-1: 2023-24)
- To discuss about Students activities (Quarter-1: 2023-24)
- To discuss about accreditation status (NAAC & NBA)
- To discuss about Entrepreneurship development cell activity (Quarter-1: 2023-24)
- To discuss revision in the strategic plan
- Any other point with the permission of the chair

The first meeting of IQAC for academic year 2023-2024 was held 5thDecember 2023, at 02.00 pm in blended mode.

The following members were present for the meeting,
1. Prof.(Dr.) Mahesh D. Goudar
2. Prof.(Dr.) Shitalkumar. A. Jain
3. Prof.(Dr.) Sunita S. Barve
4. Prof. Sunilkumar.M.Bhagat
5. Prof. Avinash Bhalerao
6. Prof.(Dr.) Abhijeet Malge

Alandi (D.), Pune-412105

7. Dr. Vaishali Wangikar
8. Dr. Shayam Shukla
9. Prof. (Dr.) Rajeswari Goudar
10. Dr. Sandeep Shewale
11. Prof.(Dr.) Dipti Sakhare
12. Prof.(Dr.) Prafulla Hatte
13. Mr. Shridhar Khandekar
14. Mrs. Vandana Khandelwal
15. Prof.(Dr.) Anant Chakradeo (online)
16. Mr. Mangesh Hambad
17. Mr. Pravin Pawar (online)
18. Dr. Suyogkumar Taralkar

Other Invitees

19. Mr. Pranmya N. Yelikar
20. Mr. Peeyus Kumar

The leave of absence was granted to following members

21. Mr. Girish Bora
22. Dr. Arika Kotha
23. Prof.(Dr.) Balasaheb. Waphare
24. Ms. Srushti Jadhav
25. Mr. Anil Bhat

01

To confirm the previous minutes of meetings (IQAC/2022-23/04) and review on action taken report

Discussion and Resolution: IQAC Coordinator welcomed all members to the meeting. With permission of chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks.

The previous minutes of meeting (Meeting-4, 2022-23, September 15, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.

02

To discuss NBA-Civil expert team observations

Discussion and Resolution: IQAC Coordinator presented the NBA-Civil expert team observations.
Observations of Chairman: -
Strength: -

1. Infrastructure wise good campus.
2. Faculty retention is good.
3. Super 30 concept is remarkable.
4. Library with good ambience and sufficient resources.

	Opportunity to Improve: - 1. Program specific infra is less. 2. Sports facilities are negligible. 3. Collaborative R and D activity with external agencies is very less. 4. Industry footprints missing. 5. Alumni contribution is not visible. **Observations of Program Expert: -** Strengths: - 1. Vision and Mission are consistent with institute vision and Mission. 2. PEOs are well defined. 3. Young and Enthusiastic faculty with good cadre ratio. 4. The Annual Appraisal scheme is well implemented. Opportunity to Improve: - 1. More OBE awareness is required among faculty. 2. Stakeholders involvement in framing Vision and Mission is very less. 3. Analysis of various feedback is missing. 4. Success Index without backlog is very low. 5. Training needs to be provided to Technical staff. **Responsibility:** Director, Dy. Director, Registrar, Deans-Civil Engg, Dean QA, NBA Coordinator
03	**To discuss about NAAC Peer Team observations** **Discussion and Resolution**: IQAC Coordinator presented the NAAC Peer Team observations. 1. Implementation of OBE (CO with BT levels) 2. Weightage for internal examination is higher than external 3. Publications are less 4. Negligible research projects and research facilities 5. Faculty with PhD are less 6. Indoor sport facilities are limited 7. Hostel facility for students 8. Residential facility for staff 9. Approach road **Responsibility:** Director, Dy. Director, Registrar, School Deans, Dean QA
04	**To discuss implementation of the NEP 2020 curriculum from the academic year 2023-24** **Discussion and Resolution:** IQAC Coordinator presented the curriculum structure implemented from the academic year 2023-24 as per NEP 2020. Detail Structure is given in Annexure-1 **Responsibility:** Deputy Director AR, School Deans
05	**To discuss the value-added courses planned for the academic year 2023-24** **Discussion and Resolution**: IQAC Coordinator briefed about the value added courses planned by schools for AY 2023-24. It is decided that, each school need to identify value added courses and ensure that all students take part and get benefitted.

	Details of value added courses planned are given in Annexure: II **Responsibility:** School Deans
06	**To discuss about slow and advanced learner's methodology adopted for the academic year 2023-24** **Discussion and Resolution:** IQAC Coordinator presented the methodology adopted by schools to identify slow and advance learner's during academic year 2023-24. Details are given in Annexure – III **Responsibility:** School Deans
07	**To discuss about stakeholder's feedback on curriculum (2023-24)** **Discussion and Resolution:** IQAC Coordinator about the stakeholder's feedback on curriculum for academic year 2023-24. Collection of stakeholder's feedback on curriculum is a continuous process and every year all schools should collect feedback, do the analysis and implement the same by incorporating in curriculum while revising the curriculum. Details of Feedback are given in Annexure – IV **Responsibility:** Dy. Director AR, School Deans
08	**To discuss student's feedback on infrastructure and action taken on suggestions/ comments (2023-24)** **Discussion and Resolution:** IQAC Coordinator presented the student's feedback on infrastructure facilitie and action taken on suggestions/ comments Details are given in Annexure – V **Responsibility**: Registrar, School Deans
09	**To discuss about R&D activities (Quarter-1: 2023-24)** **Discussion and Resolution:** IQAC Coordinator presented the R&D activities like Patents Granted, Research Paper Publications, etc. It is discussed that quality publications by faculty and students has to be increased. Details are given in Annexure – VI **Responsibility:** Dean R&D, All School Deans
10	**To discuss about T&P activities (Quarter-1: 2023-24)** **Discussion and Resolution**: IQAC Coordinator presented the status of student's yearlong internship and placement for year 2023-24. Year Long Internship Program (YLIP) Status 2023-24: 169 / 760, Placement Status 2023-24: 140 / 760 Details are given in Annexure – VII

	Responsibility: Dy. Director CR
11	**To discuss about Alumni activities (Quarter-1: 2023-24)** **Discussion and Resolution** IQAC Coordinator also presented the Alumni activities (2023-24) Following activities are conducted: 1. Expert talk on Technical topics 2. Talk on How to face Competitive exams i.e GATE, GRE etc. 3. Product Audit 4. Invited as an external examiner 5. Alumni meet at school level 6. Workshop for students 7. Provided guidance on club activities. **Responsibility:** Alumni Coordinator
12	**To discuss about Students activities (Quarter-1: 2023-24)** **Discussion and Resolution:** IQAC Coordinator threw light on status of student activities for 2023-2024. 1. Discuss about Searching & Finalization of Vendor for T-Shirt Printing for Sports Competition. 2. Tech-Fest to be organized in the Month of Feb 2024. 3. Discuss about providing Indoor sports facility to all students all the days including Sunday. Sports director can use student allocated to him under E & L scheme. 4. Dedicated Space for Cultural activities. 5. Collaboration with nearby hall for Badminton. 6. Purchasing of GYM equipment **Responsibility:** Dean SA
13	**To discuss about accreditation status (NAAC & NBA)** **Discussion and Resolution:** IQAC Coordinator also presented the accreditation status (NAAC & NBA) NAAC: A Grade with score 3.15 in Cycle-II for five years from 23rd Oct 2023 NBA: Civil Engineering- Accredited for three years (2023-2024 to 2025-2026) in Tier - I mode. All members congratulated for NAAC and NMBA accreditation. **Responsibility:** Director, Dy. Director, Registrar, Deans, NBA Coordinator & all Faculty, Staff
14	**To discuss about Entrepreneurship development cell activity (Quarter-1: 2023-24)** **Discussion and Resolution:** IQAC Coordinator also presented the Entrepreneurship development cell activity (Quarter-1: 2023-24). Following are the details of activities conducted.

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Entrepreneurial & Innovation Ecosystem	**Target**	**Q1 Result**
IE Awareness and Promotional activities	**12**	6
Networking	**6**	4
Upskilling and Outreach program	**4**	3
Alumni engagement activities	**4**	2
Project to Product (P2P) Transformation Program	**6**	2
No of student startup	**15**	13 + 5
Infrastructure and facilities -Incubatee Seating space	**15**	0
Patents at MITAOE EDF	**6**	0
Crazy quilt with mentor, investor and channel partner	**25**	1

Responsibility: Head - ED Cell

15 **To discuss revision in the strategic plan**

Discussion and Resolution: IQAC Coordinator also presented the revision in strategic plan for following points.

Sustainability:

1. Proposing the establishment of a Solid Treatment Plant on campus.
2. Plans to enhance the capacity of the existing biogas facilities.
3. Encourage both faculty and students to actively engage in projects that contribute to societal benefits, with a particular focus on clean and affordable energy, biofuels, and other impactful initiatives

A detailed budget requirement for all above points was also discussed.

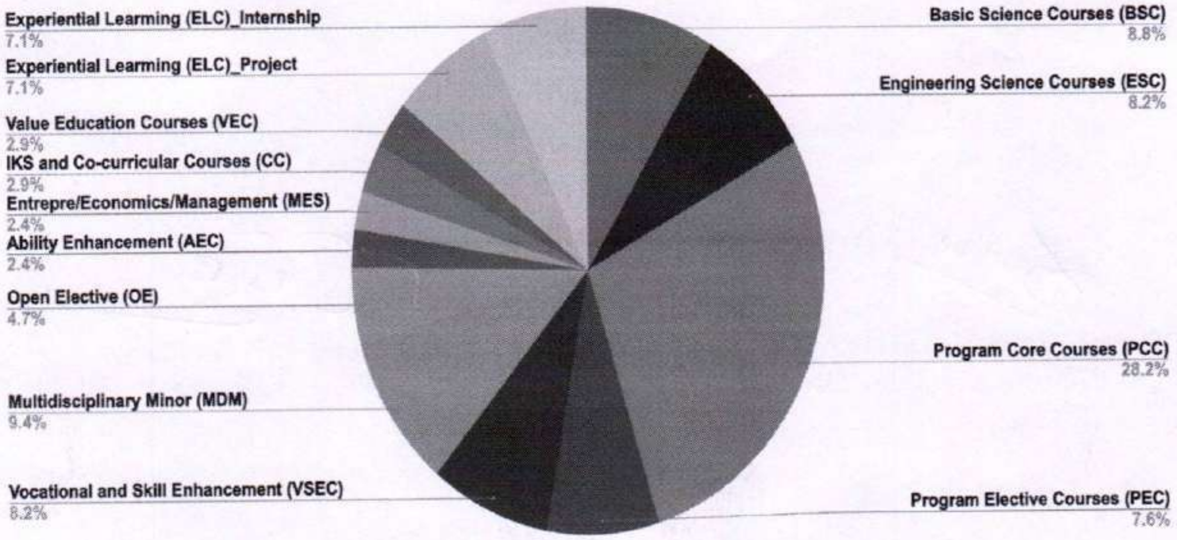
Responsibility: Registrar, Dean-SChE

16	**Any other point with permission of the chair** IQAC – Coordinator proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	IQAC Chairman
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure-I



CATEGORY OF COURSES	AUTONOMY NEP REVISION 2.0		
	Count	Credits	% of Credits
BSC	5	20	12.5
ESC	8	26	16.25
PCC	-	-	-
PEC	14	54	33.75
VSEC	2	6	3.75
MDM	6	12	7.5
OE	3	12	7.5
HSSM AEC			
HSSM MEC	6	12	7.5
IKS and CC			
HSSM VEC			
ELC_Project			
ELC_Internship	6	14	8.75
Audit Courses	1	4	2.5
Total	60	170	100.0

Annexure-II

Value added courses Identified

Department/School	Value Added Courses Identified			
	First Year	Second Year	Third Year	Final Year
Chemical	Nil	Auto CAD	Piping Design with CADMATIC	Plant Automation
Computer	IKS(Vedic Maths)	Problem solving through OOP	Redhat linux 1 , Web technology, AWS and AAD	.net, Redhat linux 2
Civil	NIL	Revit Certification Course	PYTHON Certification Course	NIL
E&TC	NIL	Java Programming (SY)	SQL and DBMS Embedded programming skills	System Verilog
Electronics	NIL	Java Programming (SY)	SQL and DBMS Embedded programming skills	SQL and DBMS Embedded programming skills

Department/School	Value Added Courses Identified			
	First Year	Second Year	Third Year	Final Year
Mechanical	-	-	ATV Design 64 hr (32 X 2) (TYBTECH Course), 21 students successfully completed (Start Date: 4th AUG 2022, End date: 25th NOV 2022)	-
Design	1. Fundamentals of Graphic Design,	1. Introduction to Photography, 2. Storytelling & presentation	1. History of Design	1. Project report writing,
Humanities & Engg. Sci.	Digital Engineering			

Annexure – III

Slow and advance learner's methodology

Department/School	Methodology adopted for identification of slow and advanced Learners	Number of slow Learners	Activities planned /conducted for slow Learners	Number of advanced Learners	Activities planned /conducted for advanced Learners
E&TC	Based on IA and Mid sem marks	Coursewise	Assignments / Practice sessions conducted	Coursewise	Motivation for Super 30 / YLIP
Electronics	Based on IA and Mid sem marks	Coursewise	Assignments / Practice sessions conducted	Coursewise	Motivation for Super 30 / YLIP
Mechanical	Based on precourse survey, or IA activities	9	2	4	2
Design					
Humanities & Engg. Sci.	Every coure in-charge decides the diagnostic method such as IA/ MidSem/AMCAT	for every class abd every course different slow learners are there. Approx: 160 students	2-3 activities per course	approx. 130	1 activity per course per division

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure – IV

Stakeholder's feedback on curriculum

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
Chemical	data analytics should be introduced	Include LCA course (Life cycle assessment) in syllabus	As part of the product audit, an alumni suggestion has been noted. The recommendation is to thoroughly examine the skill requirements listed by recruiters on platforms such as naukri.com. Subsequently, consider implementing value-added or skill courses to ensure that Chemical Engineering students acquire the necessary skills sought by industry professionals	More skill courses must be introduced	Changes accommodated new 2022 curriculum pattern https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5yvy1M4-/view?usp=sharing
Computer	No of activities to be reduced and more free time to be given for preparation	No of IA activities to be reduced.	More industry oriented courses to be added in the curriculum	More industry oriented courses to be added in the curriculum with hands-on practice.	Activities are reduced from 6 to 4 per course. SDL courses are added for hands-on sessions Open elective tracks based on current industry needs are introduced.

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
E&TC and ETX	Feedback taken for all the courses which are included in the curriculum, as course exit feedback. No specific feedback received on curriculum from student's side.	Summary of feedback given by teachers, Need to add more contents related to IIoT Introduction of STM Need to upgrade as per the industry requirement Course contents are vast to cover in stipulated time More options for skill courses	Arrange the training for SQL Skills of cloud with any platform need to be included. Rigorous training on IoT fundamentals to arrange.	Product implementation based topics can get included in curriculum. Topics related to cyber security must be there. EDA tool can be the part of lab sessions. Verilog, System verilog, UVM, can get covered in VLSI course	Training are arranged for SQL by industry experts Skill courses related to cloud is included in curriculum Workshop and guest lectures are organized based on IoT. Feedback taken and changes carried are reflected in CDR file of each course. Topics related to IIoT are included in new course EI at SY level. Topics related to STM are included in new course contents. For up gradation as per the industry requirement, more skill courses options are given to students. Industry experts are appointed for teaching the courses. Course like Design thinking is included in new curriculum. Electronic workshop is the course will help the students for product development EDA tool and Verilog is already covered in previous revision and it will get continued in coming revision 2022 , with minor modification.
Mechanical	Course Material to be available in advance. The employability courses may be added. More emphasis on practical / skill courses may be given.	More Industrial visits and trainings need to be arranged. Trainings may be provided to meet the state of art technology.	Need more research and practical related orientation programs. Alumni interaction may be increased.	Industry Institute interactions need to be increased. More practical / skill oriented courses may be added Project based learning may be promoted.	https://drive.google.com/file/d/1lBBNQDHhbXJvJA645IxAgSA08dxVJLel/view?usp=sharing

Alandi(D.), Pune-412105

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
Design					
Humanities & Engg. Sci.	Very good syllabus, few have suggested heavy syllabus for computational subjects	Good syllabus, more practice time is to be given to students	Peer teaching learning will be helpful for slow learners	Overall good efforts to meet new age expectations	Practice sessions are introduced for the subjects of concern.

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – V

Student's feedback on infrastructure

Sr. No.	Suggestions by Students	Action Taken/Planned
1	Wi-Fi should be provided in each wing	Wi-Fi is available in each academic wing
2	Lunch Time in Canteen should be increased	In Time Table, Lunch break is given in staggered timing.
3	Washrooms should be cleaned	Washrooms cleaning is done thrice daily.
4	Auditorium and more sports equipment needed	New Auditorium and new sports equipments are available for the use.
5	In some classrooms fans are not working.	Classroom's maintenance is done on periodic basis.
6	Lift is not working properly in D wing	Lift maintenance is done on periodic basis.
7	Sports Facilities should be provided	Indoor as well as outdoor sports facilities are giving to students. Even separate sports slot is given in the time table.
8	PCs are not working properly	In each academic school, new PCs are purchased.
9	Drinking water quality should be improved	RO Plant is installed in the campus to maintain drinking water quality

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – VI

R&D activities

Patents Granted:

Title: Mechanism for Removing Leaves and Thorns from Rose Flower Stem.

Patent No.: 440427(Application No.: 201921005801)

Date of Grant: 25th July 2023

Patentee: Dr. Prafulla Ratnakar Hatte

Title: Temperature Measurement Technique for Combined Face and Shoulder Grinding Operation

Patent NO: 451164 (Application No: 201721017212)

Date of Grant: 13th September 2023

Patentee: 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

Patents Granted:

Title: Fuel Blender for Use in Gasoline Engine for Blending Ethanol and Gasoline Fuel.

Patent No.: 467725 (Application No.: 201721008392)

Date of Grant: 09th November 2023

Patentee: Dr. Prafulla Ratnakar Hatte

Title: System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation

Patent NO: 468239 (Application No: 201821027111)

Date of Grant : 10th November 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Research Papers (2023-2024)

School	Journal Publications			Conference Publications		
	Scopus	SCI	Other (UGC)	Scopus	SCI	Other (UGC)
Chemical	0	1	0	1	0	0
Civil	2	0	0	1	0	0
Computer	2	6	0	14	0	0
Elect. Telecommunication	8	0	0	1	0	0
Mechanical	8	0	0	1	0	0
Humanities and Engg Science	2	0	0	0	0	0
Design	0	0	0	0	0	0
Total	24	6	0	6	0	1

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure – VII

T&P activities (Quarter-1: 2023-24)

Year Long Internship Program (YLIP) Status 2023-24 - 169 / 760

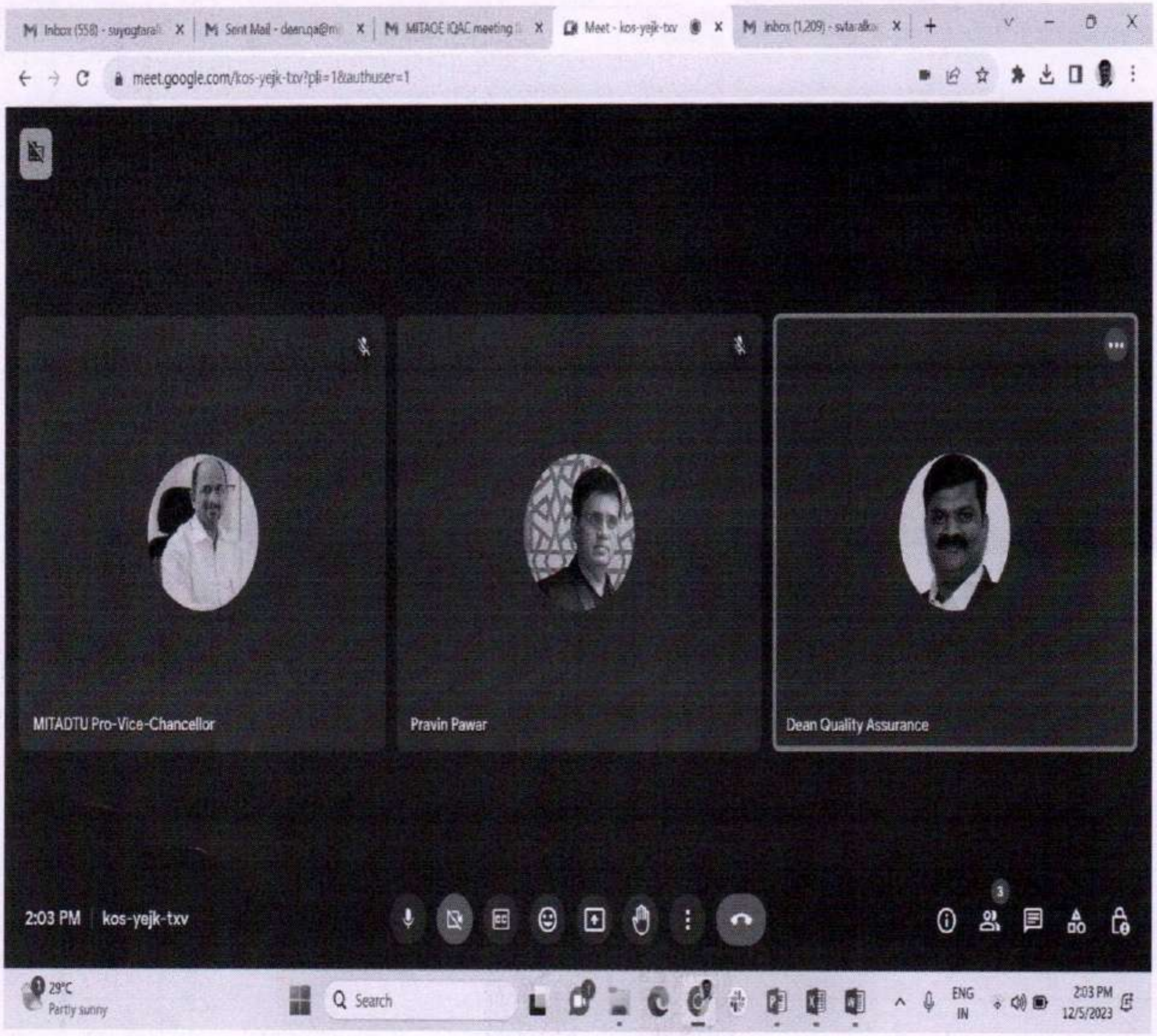
YLIP Status (2023-24 batch)	Comp Engg	IT	E&TC	ETX	Mech Engg	Civil Engg	Chem Engg
Registration	168	80	145	64	180	63	60
Number of YLIP Students (with PPO)	40 (11)	9 (1)	21 (2)	9 (1)	65 (6)	20 (12)	5 (3)
% YLIP	23.81	11.25	14.48	14.06	36.11	31.75	8.33

Placement Status 2023-24 - 140 / 760

Placement Status (2023-24 batch)	Computer Engineering	Information Technology	Electronics & Telecommunication	Electronics Engineering	Mechanical Engineering	Civil Engineering	Chemical Engineering
Registration	168	80	145	64	180	63	60
No. Placement (multiple offer)	49	18	20	7	25	14	7
No. Placement (Single offer)	49	18	20	7	25	14	7
% Placement (single offer)	29.16	22.5	13.80	10.93	13.88	22.23	11.67

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Attendance


Inbox (558) - suyogtaral
Sent Mail - dean.qa@m
MITAOE IQAC meeting
Meet - kos-yejk-txv
Inbox (1,209) - svtaralka
meet.google.com/kos-yejk-txv?pli=1&authuser=1
29°C
Partly sunny
Search
ENG
IN
2:03 PM
12/5/2023

MITADTU Pro-Vice-Chancellor

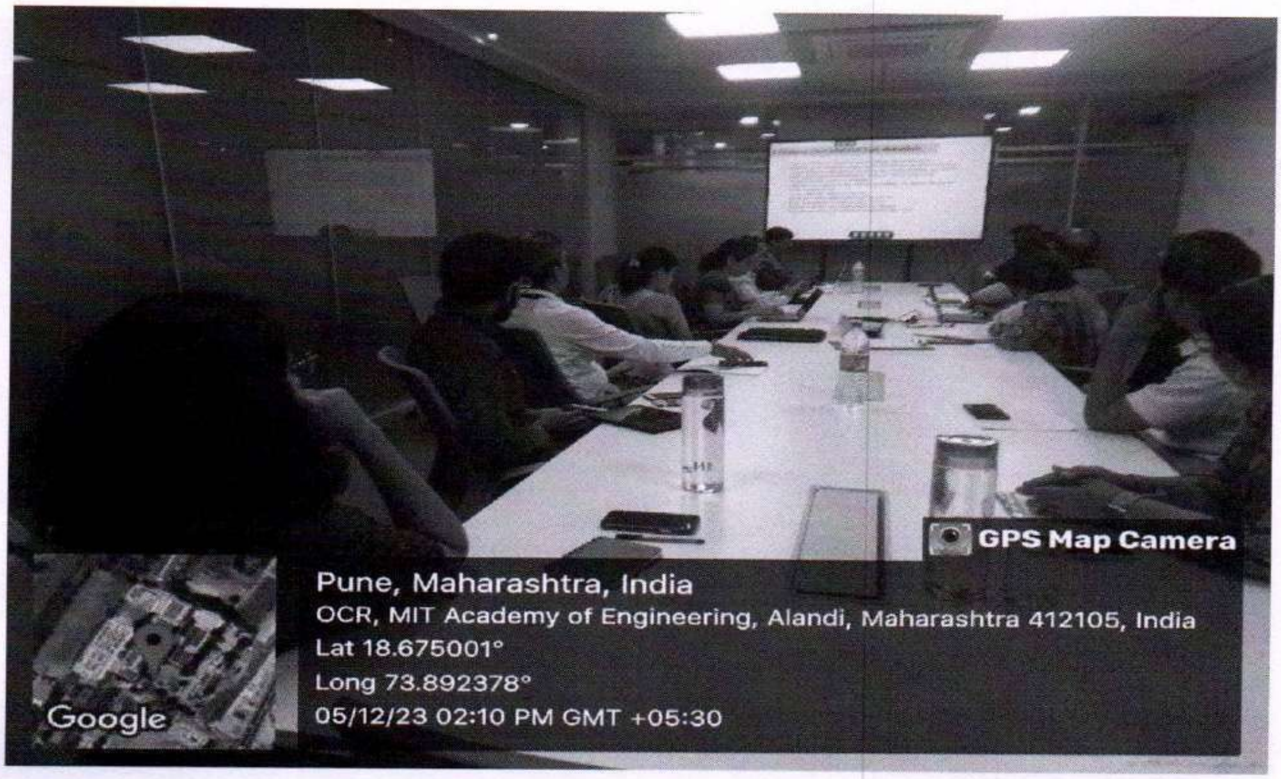
Pravin Pawar

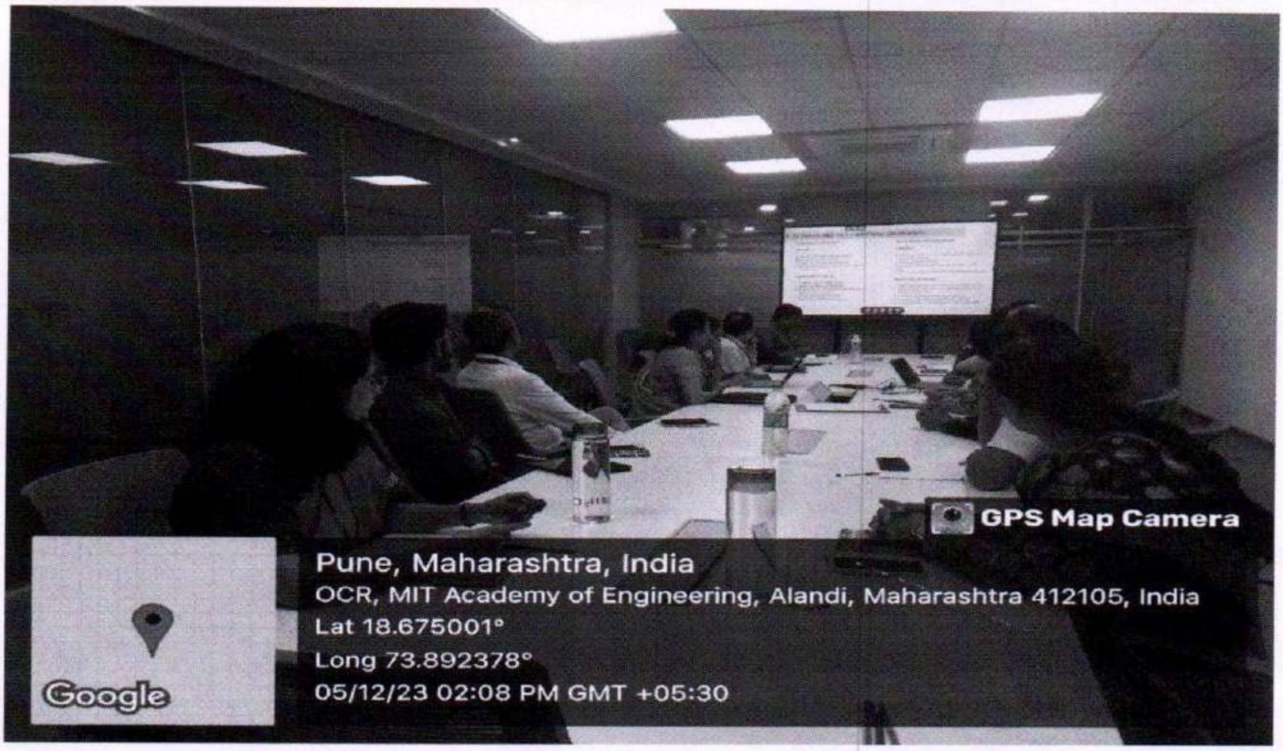
Dean Quality Assurance

2:03 PM | kos-yejk-txv

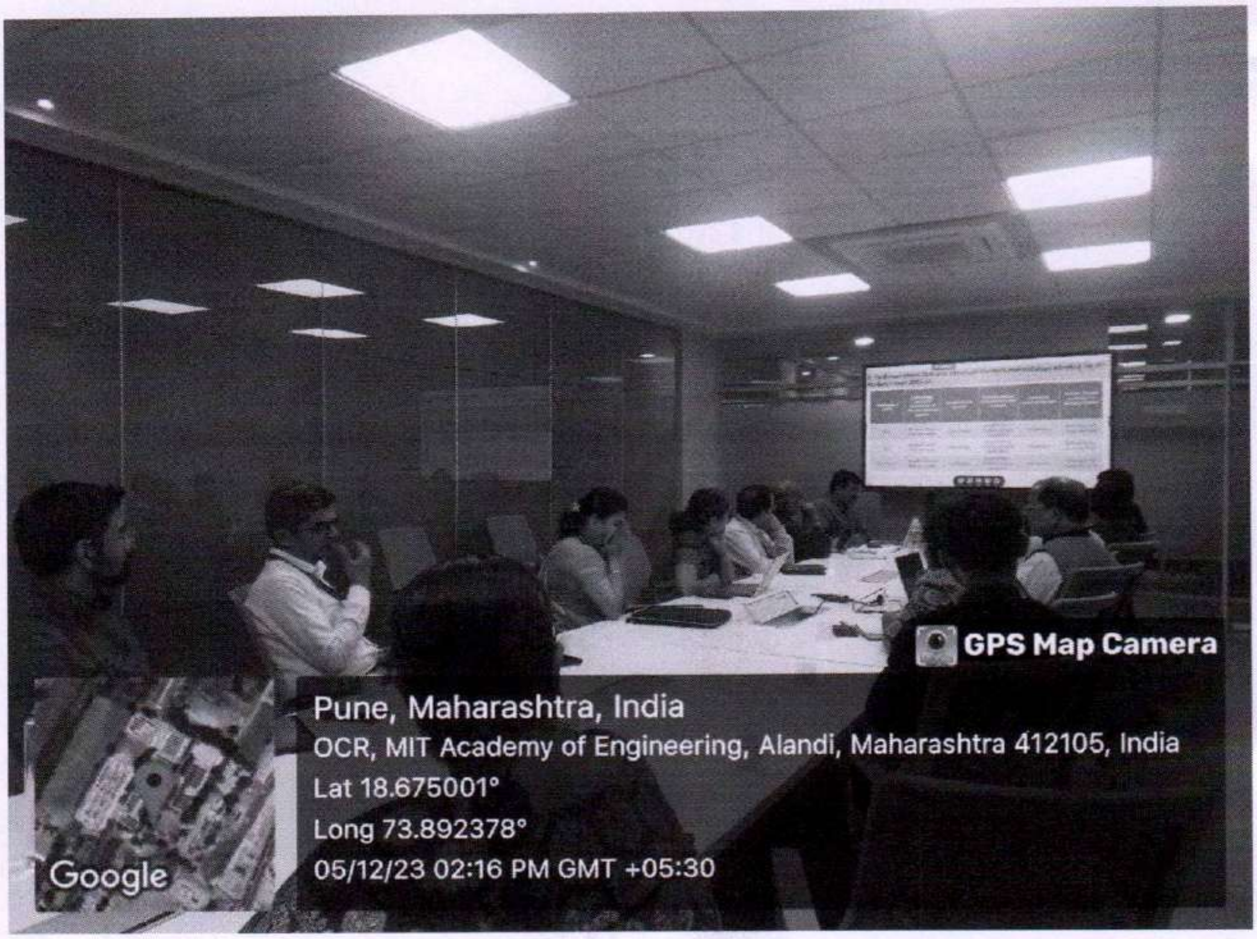
MIT ACADEMY OF ENGINEERING
Alandi (D.),
Pune-
412105

IQAC MEETING PHOTOS


GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:10 PM GMT +05:30


GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:08 PM GMT +05:30

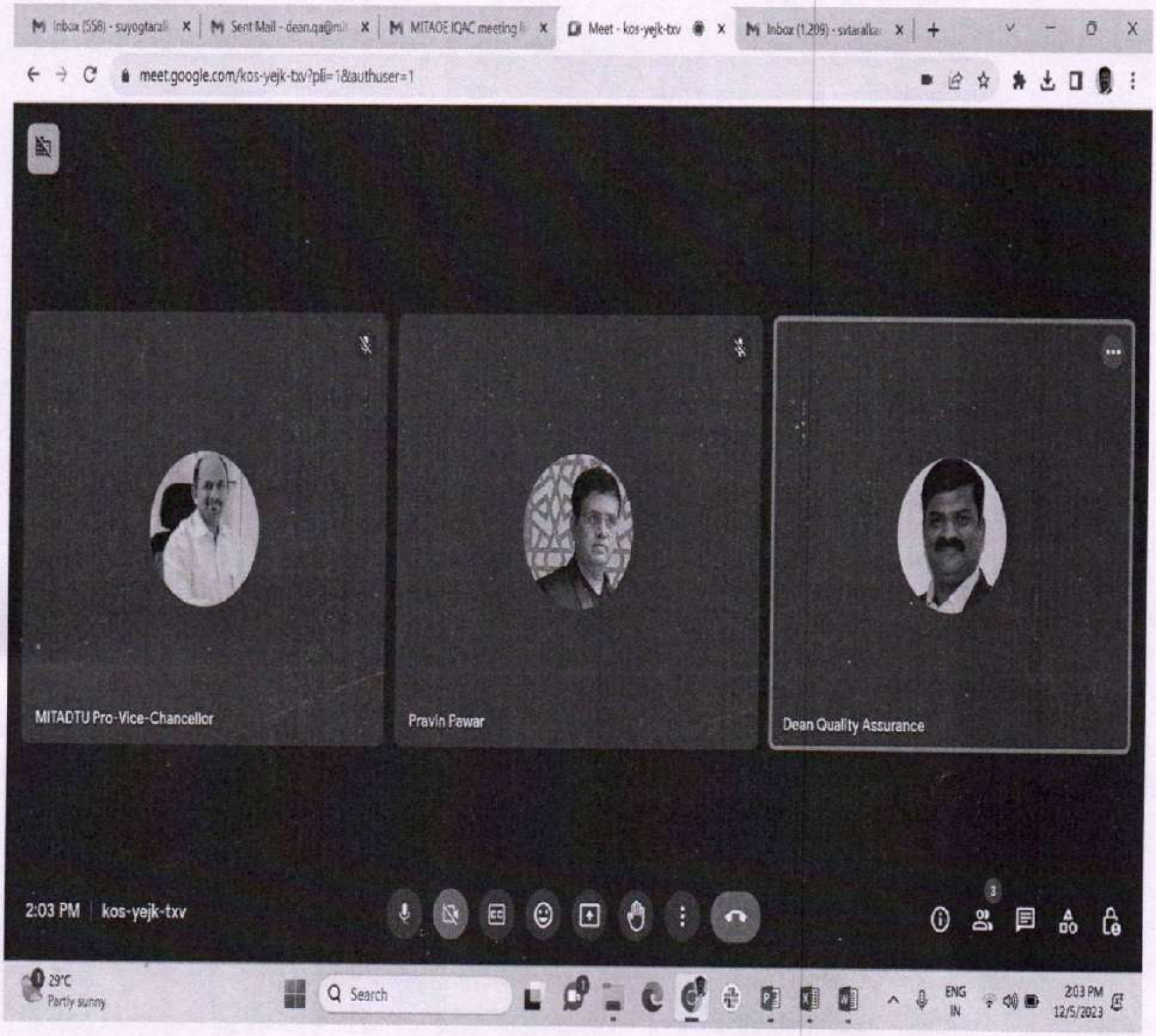
MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105


GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:16 PM GMT +05:30

MIT Academy of Engineering (An Autonomous Institute)		**ATTENDANCE**		
Alandi (D), Pune - 412 105		**ACADEMIC YEAR**	**:**	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL		**DATE**	**:**	**5th December 2023**
		MEETING NO.	**:**	**IQAC / 2023-24 / 01**

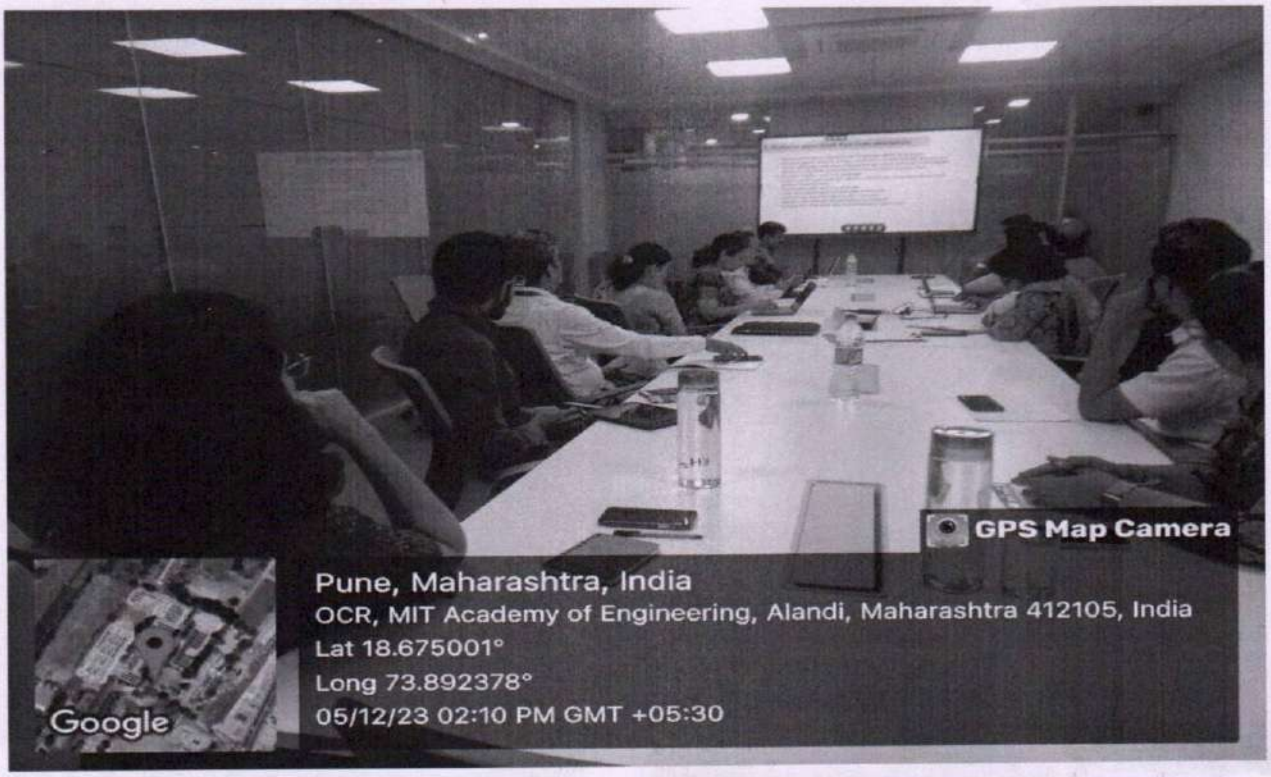
Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	
02	Prof.(Dr.) Shitalkumar. A. Jain	Jain
03	Prof.(Dr.) Sunita S. Barve	
04	Prof. Sunilkumar.M.Bhagat	
05	Prof. Avinash Bhalerao	
06	Prof.(Dr.) Abhijeet Malge	
07	Dr. Vaishali Wangikar	
08	Dr. Arika Kotha	
09	Dr. Shayam Shukla	
10	Prof. (Dr.) Rajeswari Goudar	
11	Dr. Sandeep Shewale	
12	Prof.(Dr.) Dipti Sakhare	
13	Prof.(Dr.) Prafulla Hatte	
14	Mr. Shridhar Khandekar	
15	Mrs. Vandana Khandelwal	
16	Prof.(Dr.) Balasaheb. Waphare	
17	Prof.(Dr.) Anant Chakradeo	Online
18	Ms. Srushti Jadhav	
19	Mr. Mangesh Hambad	
20	Mr. Anil Bhat	
21	Mr. Pravin Pawar	Online
22	Mr. Girish Bora	
23	Dr. Suyogkumar Taralkar	
24	Pranmya N. Yelikar	P.N.Yelikar
25	Poojeta Prasad	

Attendance

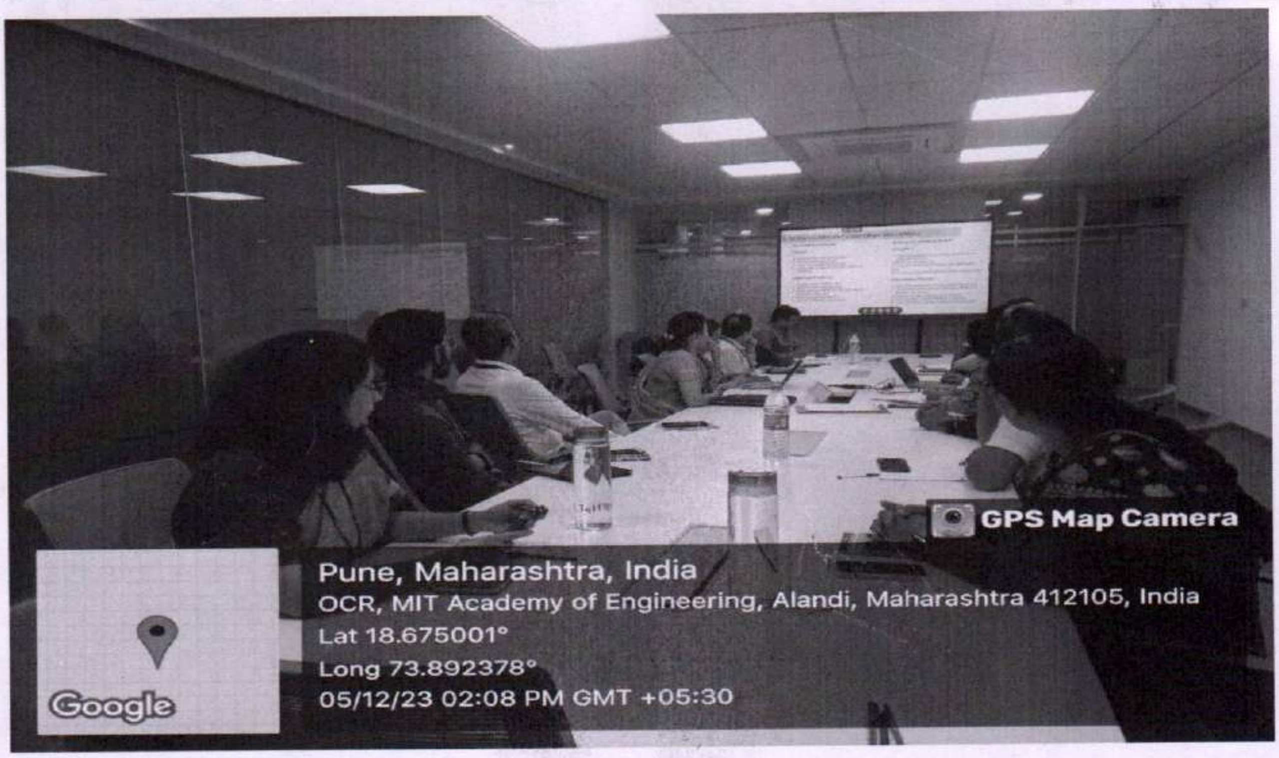

Inbox (558) - suyogtarall
Sent Mail - dean.qa@mit
MITAOE IQAC meeting li
Meet - kos-yejk-txv
Inbox (1,209) - svtaralkar
meet.google.com/kos-yejk-txv?pli=1&authuser=1
MITADTU Pro-Vice-Chancellor
Pravin Pawar
Dean Quality Assurance
2:03 PM
kos-yejk-txv
3
29°C
Partly sunny
Search
ENG
IN
2:03 PM
12/5/2023

MIT ACADEMY OF ENGINEERING
Alandi(D), Pune-412105

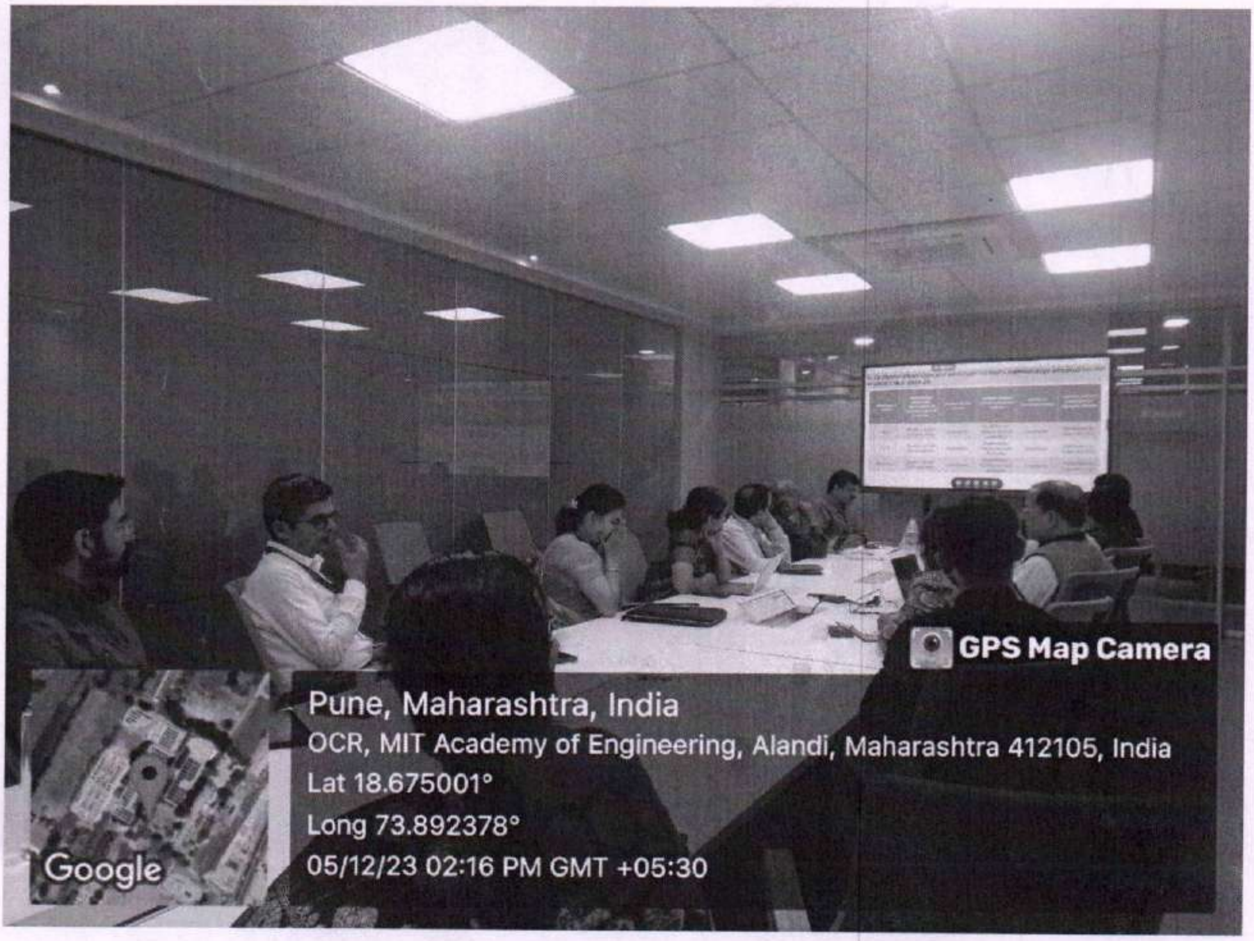
IQAC MEETING PHOTOS


GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:10 PM GMT +05:30


GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:08 PM GMT +05:30


GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
05/12/23 02:16 PM GMT +05:30

MIT Academy of Engineering (An Autonomous Institute)	Action Taken Report	
Alandi (D), Pune - 412 105	ACADEMIC YEAR	2023-2024
INTERNAL QUALITY ASSURANCE CELL	DATE	5th December 2023
	MEETING NO	IQAC/2023-24/01

The agenda for the same is as follows:

- To confirm the previous minutes of meetings (IQAC/2022-23/04) and review on action taken report
- To discuss NBA-Civil expert team observations
- To discuss about NAAC Peer Team observations
- To discuss implementation of the NEP 2020 curriculum from the academic year 2023-24
- To discuss the value-added courses planned for the academic year 2023-24
- To discuss about slow and advanced learner's methodology adopted for the academic year 2023-24
- To discuss about stakeholder's feedback on curriculum (2023-24)
- To discuss student's feedback on infrastructure and action taken on suggestions/comments (2023-24)
- To discuss about R&D activities (Quarter-1: 2023-24)
- To discuss about T&P activities (Quarter-1: 2023-24)
- To discuss about Alumni activities (Quarter-1: 2023-24)
- To discuss about Students activities (Quarter-1: 2023-24)
- To discuss about accreditation status (NAAC & NBA)
- To discuss about Entrepreneurship development cell activity (Quarter-1: 2023-24)
- To discuss revision in the strategic plan
- Any other point with the permission of the chair

The first meeting of IQAC for academic year 2023-2024 was held 5th December 2023, at 02.00 pm in blended mode

The following members were present for the meeting,

1. Prof.(Dr.) Mahesh D. Goudar
2. Prof.(Dr.) Shitalkumar. A. Jain
3. Prof.(Dr.) Sunita S. Barve
4. Prof. Sunilkumar.M.Bhagat
5. Prof. Avinash Bhalerao
6. Prof.(Dr.) Abhijeet Malge
7. Dr. Vaishali Wangikar

8. Dr. Shyam Shukla
9. Prof. (Dr.) Rajeswari Goudar
10. Dr. Sandeep Shewale
11. Prof.(Dr.) Dipti Sakhare
12. Prof.(Dr.) Prafulla Hatte
13. Mr. Shridhar Khandekar
14. Mrs. Vandana Khandelwal
15. Prof.(Dr.) Anant Chakradeo (online)
16. Mr. Mangesh Hambad
17. Mr. Pravin Pawar (online)
18. Dr. Suyogkumar Taralkar

Other Invitees
19. Mr. Pranmya N. Yelikar
20. Mr. Peeyus Kumar

The leave of absence was granted to following members
21. Mr. Girish Bora
22. Dr. Arika Kotha
23. Prof.(Dr.) Balasaheb. Waphare
24. Ms. Srushti Jadhav
25. Mr. Anil Bhat

01	**To confirm the previous minutes of meetings (IQAC/2022-23/04) and review on action taken report** **Discussion and Resolution:** IQAC Coordinatorwelcomed all members to the meeting. With permission chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks. The previous minutes of meeting (Meeting-4, 2022-23, September 15, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.
02	**To discuss NBA-Civil expert team observations** **Discussion and Resolution**: IQAC Coordinator presented the NBA-Civil expert team observations. **Observations of Chairman: -** Strength: - 1. Infrastructure wise good campus. 2. Faculty retention is good. 3. Super 30 concept is remarkable.

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

4. Library with good ambience and sufficient resources.

Opportunity to Improve: -

1. Program specific infra is less.
2. Sports facilities are negligible.
3. Collaborative R and D activity with external agencies is very less.
4. Industry footprints missing.
5. Alumni contribution is not visible.

Observations of Program Expert: -

Strengths: -

1. Vision and Mission are consistent with institute vision and Mission.
2. PEOs are well defined.
3. Young and Enthusiastic faculty with good cadre ratio.
4. The Annual Appraisal scheme is well implemented.

Opportunity to Improve: -

1. More OBE awareness is required among faculty.
2. Stakeholders involvement in framing Vision and Mission is very less.
3. Analysis of various feedback is missing.
4. Success Index without backlog is very low.
5. Training needs to be provided to Technical staff.

Responsibility: Director, Dy. Director, Registrar, Deans-Civil Engg, Dean QA, NBA Coordinator

Action By: Dean-Civil Engg

Action Taken:

1. One class room in any floor above the basement for theory is proposed.
2. Sports equipment purchased by FORCES (Student body) and made available to students.
3. Initiated discussions with NIT Surat for R & D collaborations.
4. Increased the visits to industries for students and faculty collaborations. As a result, SCvE received one consultancy project (Rs. 3.5 Lakh) from M/s Siddhi Consulting Engineers Limited.
5. 10 Internship-placement (AMS Concrete Consultant) and 04 (Internship-Ampar Group) supported by alumni.
6. OBE audit is conducted by an external expert in the department. Separate labl and theory COs are framed as per the suggestions of the expert.
7. Actually the point is related to the assessment of CO-PO. The point is well noted and planned to take parents feedback from this year onwards.
8. Analysis and action taken report is planned for various feedbacks as an integral part of system.
9. Attempts are made to identify the weak students and providing them additional support in terms of counseling and doubt clearing sessions.
10. Counseled all the technical staff for the importance of training and identify the training needs.

03 **To discuss about NAAC Peer Team observations**

Discussion and Resolution: IQAC Coordinator presented the NAAC Peer Team observations.

Implementation of OBE (CO with BT levels)
Weightage for internal examination is higher than external
Publications are less
Negligible research projects and research facilities
Faculty with PhD are less
Indoor sport facilities are limited
Hostel facility for students
Residential facility for staff
Approach road

Responsibility: Director, Dy. Director, Registrar, School Deans, Dean QA

Action by: Dy. Director-AR, Dean R&D, Registrar

Action Taken:

Sr.No.	Observations	Action Taken
1	Implementation of OBE (CO with BT levels)	1. Faculty Awareness Sessions are organized 2. Certification Courses are identified and faculty members are doing these courses 3. OBE implementation is verified in every school by organizing Academic Audit 4. Course Outcome with BT levels is a regular process
2	Weightage for internal examination is higher than external	Weightage of the internal/interim and Mid Semester assessment is 50% and End Semester Assessment is 50%
3	Publications are less	1. The research guidance seminar series started. 2. A research incentive scheme for quality publications is started. 3. Research video content creation is started to create awareness of research publications.
4	Negligible research projects and research facilities	The Centers of Excellence are being developed in each school providing student support for research and projects. Research software are used commonly by all schools. Industries are being connected to explore the opportunities for research projects.
5	Faculty with PhD are less	presently there are 71 Phd faculty it is more that 30%. Recruitment is continuous process
6	Indoor sport facilities are limited	Now the indoor area is covered and the facility is also improved.
7	Hostel facility for students	Identified three hostels having capacity 100 each. agreement will done shortly
8	Residential facility for staff	campus is non residential campus
9	Approach road	Facelift of the campus will start including the approach road. vendor is also identified

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

04

To discuss implementation of the NEP 2020 curriculum from the academic year 2023-24

Discussion and Resolution: IQAC Coordinator presented the curriculum structure implemented from the academic year 2023-24 as per NEP 2020.
Detail Structure is given in Annexure-1
Responsibility: Deputy Director AR, School Deans

Action By: Dy. Director-AR

Action Taken:

1. Curriculum Structure Revisions 2023 NEP and Revision 2022 are approved after being presented in BOS, Academic Council, and Governing Body.
2. The Implementation is done smoothly for all courses as per newly introduced revision.

05

To discuss the value-added courses planned for the academic year 2023-24

Discussion and Resolution: IQAC Coordinator briefed about the value added courses planned by schools for AY 2023-24. It is decided that, each school need to identify value added courses and ensure that all students take part and get benefitted.

Details of value added courses planned are given in Annexure: II

Responsibility: School Deans

Action By: School Deans

Action Taken:

School	Name of Value added courses	No. of beneficiaries (Students)	Duration (hrs)	Date of conduction (from –to)
Chemical	Environmental Management Systems and Energy Management Systems	70	40	29/01/2024 - 02/02/2024
Computer	Social media and Security (120) Sustainable Engineering Development(120)	240	40	29/01/24 - 02/02/24
Civil	Smart Cities-Sustainable development	70	40	29/01/24 - 02/02/24
Design	Nil	Nil	Nil	Nil
E&TC	Sustainable embedded systems with 8 bit Microcontroller	220	40	29/01/24 - 02/02/24

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Humanities & Engg Science	nil	-	-	-
Mechanical	Sustainable Design for Electric Vehicles	212	40	29/01/2024-2/2/2024

06

To discuss about slow and advanced learner's methodology adopted for the academic year 2023-24

Discussion and Resolution: IQAC Coordinator presented the methodology adopted by schools to identify slow and advanced learner's during academic year 2023-24.

Details are given in Annexure – III

Responsibility: School Deans

Action By: School Deans

Action Taken:

School	Methodology Adopted	No. of slow learners (FY, SY, TY, Final Year)	Activities conducted for slow learners	No. of Advanced Learners ((FY, SY, TY, Final Year))	Activities conducted for advanced learners
Chemical	Concept test, Surprise test are conducted by class teacher at start of Sem. Questions in the tests are based on pre requisite courses. https://drive.google.com/file/d/1Vw-g_rhfhT3z5tF2TIYrAjZ75Apaf7C9/view?usp=sharing	SY: 3 TY:4 BTECH:8	Make up classes were conducted for SY and TY classes, Doubt clearing session SY: 05 (Make up classes) TY & BTECH: 02 (Make up classes)	SY: 14 TY:27 BTECH:24	Paper Publication, Motivation to Participate in SCHEMCON Events, Gate Coaching guidance
Computer	Prerequisite survey conducted at the start of semester, Result of previous semester	SY:20 TY:12 BTECH:10	SY,TY and BTECH: Group activity, Doubt clearing session,practical/ project activity/ Problem solving	SY:25 TY:20 BTECH:15	Paper Publication, Participation in Hackathon, participation in project competitions
Civil	First assignment/last semester marks				

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

Design	For Foundation year- B. DESIGN CET score. Out of 200 marks, Below 75 is considered as slow learner. Above 105 is Advance learner. For 2nd year and onwards- courses are divided into SKILLS based and TECHNOLOGY based, in which previous semester's internal marks are considered to identify students. Below 55% is slow learner. Above 75% is Advance learner	FY: 15 SY: 11 TY: 9 B Des: 4	For FY students- More time & more practice for skill based courses for One to one inputs from faculty for 3 students of FY For SY & TY students- Team of 3-4 students for Research & presentation to share load and support peers. For B Des students, Extra time given for work + indepth discussions & inputs on critical areas of study.	FY: 45 SY: 21 TY: 14 B Des: 9	Involved them in design related cocurricilar activities. Early inputs on portfolio making and review. Allowed them to take up complex projects and outcome from it.
E&TC	Formative assessments,Pre -quiste tests, Assessment reforms are carried out.	10-25%	Problem Solving /make up classes one to one interactions in counselling in class participative interaction		3 patents are selected for further process of drafting
Humanities & Engg Science	Course wise Diagnostic test	FY: 20-22%	practice sessions, expert sessions	FY: 22-25%	projects, participation in competitions
Mechanical	Diagnostic Test, Formative tests	20-30%	Doubt clearing sessions	20%	BAJA/EKart/Project competition

07

To discuss about stakeholder's feedback on curriculum (2023-24)

Discussion and Resolution: IQAC Coordinator about the stakeholder's feedback on curriculum for academic year 2023-24. Collection of stakeholder's feedback on curriculum is a continuous process and every year all schools should collect feedback, do the analysis and implement the same by incorporating in curriculum while revising the curriculum.

Details of Feedback are given in Annexure – IV

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

Responsibility: Dy. Director AR, School Deans

Action By: School Deans

Action Taken: Stakeholder feedback and reviews is a predefined process as per Curriculum Structure Design and Course Design Record. Following are the details of the same,

School	**Specific Action on Feedback as per annexure**				
	Faculty	**Students**	**Alumni**	**Parents**	**Industry**
Chemical	Process design principle can be offered as one of the elective courses. Action Taken: Suggestions are taken into consideration and implemented into new NEP 2024	Allowing students plenty of preparatory time for practices and outdoor activities Action Taken: Library hours (Preparatory time practices) have been considered.	Develop a course to assess student interests for positive engagement. Include a course focusing on process safety. Make program electives more practical rather than theoretical. Action Taken: Suggestions are taken into consideration and implemented into new NEP 2024	No any major suggestions provided Minor suggestions: Homework and assignment would be given. Action Taken: Suggestion implemented in the activities.	Industrial visits or virtual tours would be beneficial. Guest sessions would be helpful. Action Taken: Based on the suggestions, we embedded the tours and expert sessions in all courses.
Computer	Number of assignments and activities reduced	Number of assignments and activities reduced from 6 to 4	Skill based and industry oriented courses namely Redhat Linux, .NET, AWS, Android Application Development,OOP(C++,Java),Adv. Java included in curriculum	No major suggestions from parents and appreciated about the club activities and hands on sessions	Open elective tracks based on current industry needs(AI/ML/ Data Science /Cyber security) are introduced
Civil					
Design	No of assignments reduced by 10% to focus on creative output at each stage. (For FY)	Complete schedule of the individual courses and expected output well defined in quantities & format as well.	Indepth research required during the first phase, more technical exposure is required. If possible, consider only one common project/product for the majority of the courses.	More help on Internship opportunities.	Punctuality, time bound activities and output thoroughly done with detailing required for manufacturing/publishing.
E&TC	The assessment and pedagogical reforms are	Problem solving sessions are introduced,	Java and Verilog skills were suggested to be	Emerging trends are	To incorporate the

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune- 412105

	introduced	Electronics skills are enhanced through Electronics workshop	given to the students	introduced	suggestion of addressing the up to date needs of industry, the courses like cloud computing are delivered by the industry experts.
Humanities & Engg Science	Extra practice labs are provided for computational subjects for non circuit branches	Provision of ample preparatory leaves for making more practice time to students	Peer teaching learning strategy is adapted for in-class activities for better understanding	Introduction of Emerging areas to FY students	Make-up sessions/ practice sessions are part of time table
Mechanical	Number of core courses should be increased, Project based learning pedagogy for better learning	More skill based courses, Internships	Fundamental courses need to focused upon. Industrial exposure through internships	Collaboration with National/International Institute for Student exchange, Emerging Area courses, Professional skills enhancement	Yearlong internships, courses focused on Industry 4.0, More Practical exposure

To discuss student's feedback on infrastructure and action taken on suggestions/ comments (2023-24)

Discussion and Resolution: IQAC Coordinator presented the student's feedback on infrastructure facilities and action taken on suggestions/ comments

08 Details are given in Annexure – V

Responsibility: Registrar, School Deans

Action By: Registrar

Action Taken:

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Sr.No.	Suggestions received	Action Taken
1	wifi should be provided in each building	Floorwise Wifi Router is installed with 100 mbps and 200m
2	Lunch time should be increased	Staggered time table is prepared
3	Cleaning of washroom	Outsource staff is cleaning periodically
4	Fans are not working	Replaced by New fans and some of the fans are repaired
5	Lift is not working	AMC is given for maintenance
6	Sport facility should be increased	Additional ground is taken on rental . also indoor and outdoor facility is increased
7	PC are not working	300 new PCs costing 4CR are purchased
8	Drinking water quality	AMC is given for maintenance of RO plant.

09

To discuss about R&D activities (Quarter-1: 2023-24)

Discussion and Resolution: IQAC Coordinator presented the R&D activities like Patents Granted, Research Paper Publications, etc. It is discussed that quality publications by faculty and students has to be increased.

Details are given in Annexure – VI
Responsibility: Dean R&D, All School Deans

Action By: Dean R&D

Action Taken:

1. Three-day patent drive is conducted in Feb 2024. Identified 25 patents to be filed in April 2024.
2. A research awareness session series is started to promote research awareness.
3. A total of five patents have been granted in this academic year, till date.

10

To discuss about T&P activities (Quarter-1: 2023-24)

Discussion and Resolution: IQAC Coordinator presented the status of student's yearlong internship and placement for year 2023-24.
Year Long Internship Program (YLIP) Status 2023-24: 169 / 760,
Placement Status 2023-24: 140 / 760
Details are given in Annexure – VII

Responsibility: Dy. Director CR

Action By: Dy. Director-CR

Action Taken:

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Year Long Internship Program: 169 / 760

Semester Long Internship Program: 475 / 760

Placement : 242 / 760

11

To discuss about Alumni activities (Quarter-1: 2023-24)

Discussion and Resolution IQAC Coordinator also presented the Alumni activities (2023-24)

Following activities are conducted:

1. Expert talk on Technical topics
2. Talk on How to face Competitive exams i.e. GATE, GRE etc.
3. Product Audit
4. Invited as an external examiner
5. Alumni meet at school level
6. Workshop for students
7. Provided guidance on club activities.

Responsibility: Alumni Coordinator

Action By: Alumni Coordinator

Action Taken:

Alumni are invited for product audit for effective engagement with students and faculty.

Silver Jubilee batch alumni felicitation is planned so as to connect senior alumni.

12

To discuss about Students activities (Quarter-1: 2023-24)

Discussion and Resolution: IQAC Coordinator threw light on the status of student activities for 2023-2024.

1. Discuss about Searching & Finalization of Vendor for T-Shirt Printing for Sports Competition.
2. Tech-Fest to be organized in the Month of Feb 2024.
3. Discuss about providing Indoor sports facility to all students all the days including Sunday. Sports director can use students allocated to him under the E & L scheme.
4. Dedicated Space for Cultural activities.
5. Collaboration with a nearby hall for Badminton.
6. Purchasing of GYM equipment.

Responsibility: Dean SA

Action By: Dean SA

Action Taken:

1. Finalized ALKEAN Industries, Alandi as vendor for T Shirt. But due to non availability of funds , it has been decided to print for sports from next academic year.

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

2. Tech Event is scheduled on 2 & 4 MAR 2024.
3. Already instructed Atul Wagmare about providing indoor sports facility on all days.
4. Civil Lab is allocated for cultural activities and students have already started it.
5. Badminton hall collaboration is in process.
6. Requirement has already been raised for GYM equipment. Once funds are available , we will start purchasing.

13

To discuss about accreditation status (NAAC & NBA)

Discussion and Resolution: IQAC Coordinator also presented the accreditation status (NAAC & NBA)

NAAC:

A Grade with score 3.15 in Cycle-II for five years from 23rd Oct 2023

NBA:

Civil Engineering- Accredited for three years (2023-2024 to 2025-2026) in Tier-I mode.

All members were congratulated for NAAC and NBA accreditation.

Responsibility: Director, Dy. Director, Registrar, Deans, NBA Coordinator & all Faculty, Staff

Action Taken:

The feasibility of appeal ias been verified and it is decided that instead of appeal, we will apply for reaccreditation after one year.

14

To discuss about Entrepreneurship development cell activity (Quarter-1: 2023-24)

Discussion and Resolution: IQAC Coordinator also presented the Entrepreneurship development cell activity (Quarter-1: 2023-24). Following are the details of the activities conducted.

Entrepreneurial & Innovation Ecosystem	**Target**	**Q1 Result**
IE Awareness and Promotional activities	12	6
Networking	6	4
Upskilling and Outreach program	4	3
Alumni engagement activities	4	2
Project to Product (P2P) Transformation Program	6	2

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

No of student startup	15	13 + 5
Infrastructure and facilities -Incubatee Seating space	15	0
Patents at MITAOE EDF	6	0
Crazy quilt with mentor, investor and channel partner	25	1

Responsibility: Head - ED Cell

Action By: Head, ED Cell

Action Taken:

1. Project to product competition is planned in two phases
    a. Idea to product: for first year students
    b. Project to product: For SY and TY students

    Winners will get seed money for incubating with their idea/ prototype as a prize.
2. Alumni are invited as expert in awareness sessions and other activities conducted under IIC
3. Attended Startup Expo and incubator meetup. Visited/interacted with industries and other incubators for connecting mentors, investors and channel partners
4. MoUs are signed with Incubator of Avantika University and AmpliNxt, Pune

To discuss revision in the strategic plan

Discussion and Resolution: IQAC Coordinator also presented the revision in strategic plan for following points.

Sustainability:

1. Proposing the establishment of a Solid Treatment Plant on campus..
2. Plans to enhance the capacity of the existing biogas facilities.
3. Encourage both faculty and students to actively engage in projects that contribute to societal benefits, with a particular focus on clean and affordable energy, biofuels, and other impactful initiatives

15 A detailed budget requirement for all above points was also discussed.

Responsibility: Registrar, Dean-SChE

Action By: Registrar, Dean SChE

Action Taken:

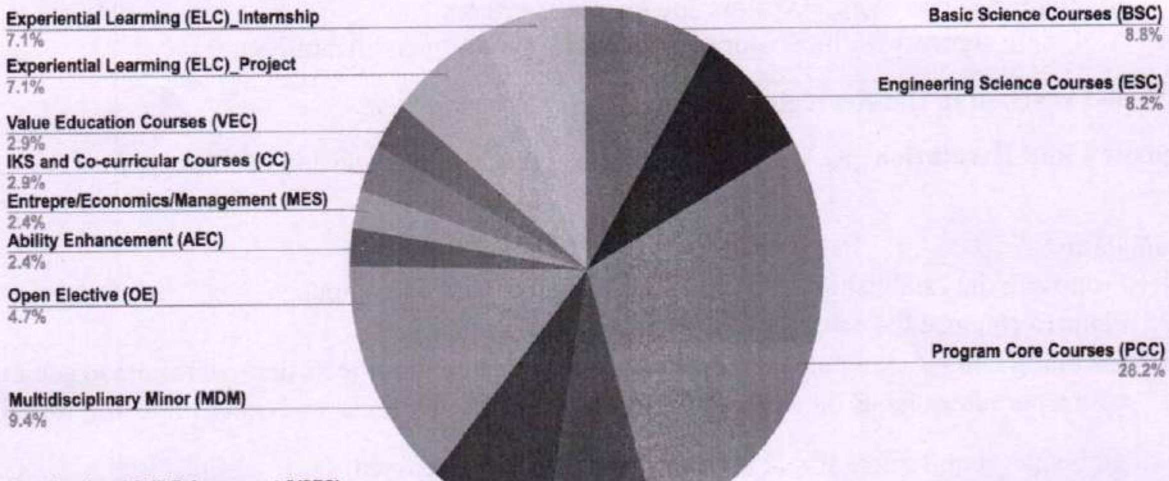
Three year plan is prepared and budget is allocated in each head. An awareness session has been planned for faculties and students. The details of the budget under each head are mentioned below.

MIT ACADEMY OF ENGINEERING
Alandi(D), Pune- 412105

	https://docs.google.com/spreadsheets/d/1tro_NZh71jSu3Vvuo28Iw8Y6Po-zEWAf/edit?usp=sharing&ouid=101804389148389466877&rtpof=true&sd=true
16	**Any other point with permission of the chair** IQAC – Coordinator proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

Annexure-I



CATEGORY OF COURSES	AUTONOMY NEP REVISION 2.0		
	Count	Credits	% of Credits
BSC	**5**	**20**	**12.5**
ESC	**8**	**26**	**16.25**

MIT ACADEMY OF ENGINEERING Alandi (D), Pune-412105

PCC	-	-	-
PEC	**14**	**54**	**33.75**
VSEC	**2**	**6**	**3.75**
MDM	**6**	**12**	**7.5**
OE	**3**	**12**	**7.5**
HSSM AEC			
HSSM MEC	**6**	**12**	**7.5**
IKS and CC			
HSSM VEC			
ELC_Project			
ELC_Internship	**6**	**14**	**8.75**
Audit Courses	**1**	**4**	**2.5**
Total	**60**	**170**	**100.0**

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure-II

Value added courses Identified

Department/School	Value Added Courses Identified			
	First Year	Second Year	Third Year	Final Year
Chemical	Nil	Auto CAD	Piping Design with CADMATIC	Plant Automation
Computer	IKS(Vedic Maths)	Problem solving through OOP	Redhat linux 1 , Web technology, AWS and AAD	.net, Redhat linux 2
Civil	NIL	Revit Certification Course	PYTHON Certification Course	NIL
E&TC	NIL	Java Programming (SY)	SQL and DBMS Embedded programming skills	System Verilog
Electronics	NIL	Java Programming (SY)	SQL and DBMS Embedded programming skills	SQL and DBMS Embedded programming skills
Mechanical	-	-	ATV Design 64 hr (32 X 2) (TYBTECH Course), 21 students successfully completed (Start Date: 4th AUG 2022, End date: 25th NOV 2022)	-
Design	1. Fundamentals of Graphic Design,	1. Introduction to Photography, 2. Storytelling & presentation	1. History of Design	1. Project report writing,
Humanities & Engg. Sci.	Digital Engineering			

MIT ACADEMY OF ENGINEERING
Alandi(D), Pune-412105

Annexure – III

Slow and advance learner's methodology

Department/School	Methodology adopted for identification of slow and advanced Learners	Number of slow Learners	Activities planned /conducted for slow Learners	Number of advanced Learners	Activities planned /conducted for advanced Learners
E&TC	Based on IA and Mid sem marks	Coursewise	Assignments / Practice sessions conducted	Coursewise	Motivation for Super 30 / YLIP
Electronics	Based on IA and Mid sem marks	Coursewise	Assignments / Practice sessions conducted	Coursewise	Motivation for Super 30 / YLIP

Department/School	Methodology adopted for identification of slow and advanced Learners	Number of slow Learners	Activities planned /conducted for slow Learners	Number of advanced Learners	Activities planned /conducted for advanced Learners
Mechanical	Based on precourse survey, or IA activities	9	2	4	2
Design					
Humanities & Engg. Sci.	Every coure in-charge decides the diagnostic method such as IA/ MidSem/AMCAT	for every class abd every course different slow learners are there. Approx 160 students	2-3 activities per course	approx 130	1 activity per course per division

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – IV

Stakeholder's feedback on curriculum

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
Chemical	data analytics should be introduced	Include LCA course (Life cycle assessment) in syllabus	As part of the product audit, an alumni suggestion has been noted. The recommendation is to thoroughly examine the skill requirements listed by recruiters on platforms such as naukri.com. Subsequently, consider implementing value-added or skill courses to ensure that Chemical Engineering students acquire the necessary skills sought by industry professionals	More skill courses must be introduced	Changes accommodated new 2022 curriculum pattern https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5yvy1M4-/view?usp=sharing
Computer	No of activities to be reduced and more free time to be given for preparation	No of IA activities to be reduced.	More industry oriented courses to be added in the curriculum	More industry oriented courses to be added in the curriculum with hands-on practice.	Activities are reduced from 6 to 4 per course. SDL courses are added for hands-on sessions Open elective tracks based on current industry needs are introduced.

MIT ACADEMY OF ENGINEERING
Alandi (D.),
Pune-
412105

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
E&TC and ETX	Feedback taken for all the courses which are included in the curriculum, as course exit feedback. No specific feedback received on curriculum from student's side.	Summary of feedback given by teachers, Need to add more contents related to IIoT Introduction of STM Need to upgrade as per the industry requirement Course contents are vast to cover in stipulated time More options for skill courses	Arrange the training for SQL Skills of cloud with any platform need to be included. Rigorous training on IoT fundamentals to arrange.	Product implementation based topics can get included in curriculum. Topics related to cyber security must be there. EDA tool can be the part of lab sessions. Verilog, System verilog, UVM, can get covered in VLSI course	Training are arranged for SQL by industry experts Skill courses related to cloud is included in curriculum Workshop and guest lectures are organized based on IoT. Feedback taken and changes carried are reflected in CDR file of each course. Topics related to IIoT are included in new course EI at SY level. Topics related to STM are included in new course contents. For up gradation as per the industry requirement, more skill courses options are given to students. Industry experts are appointed for teaching the courses. Course like Design thinking is included in new curriculum. Electronic workshop is the course will help the students for product development EDA tool and Verilog is already covered in previous revision and it will get continued in coming revision 2022 , with minor modification.
Mechanical	Course Material to be available in advance. The employability courses may be added. More emphasis on practical / skill courses may be given.	More Industrial visits and trainings need to be arranged. Trainings may be provided to meet the state of art technology.	Need more research and practical related orientation programs. Alumni interaction may be increased.	Industry Institute interactions need to be increased. More practical / skill oriented courses may be added Project based learning may be promoted.	https://drive.google.com/file/d/1lBBNQDHhbXJvJA645IxAgSA08dxVJLel/view?usp=sharing

Department/School	Suggestions by Students	Suggestions by Teachers	Suggestions by Alumni	Suggestions by Industry	Action Planned on Suggestions
Design					
Humanities & Engg. Sci.	Very good syllabus , few have suggested heavy syllabus for computational subjects	Good syllabus , more practice time is to be given to students	Peer teaching learning will be helpful for slow learners	Overall good efforts to meet new age expectations	Practice sessions are introduced for the subjects of concern.

MIT ACADEMY OF ENGINEERING
Alandi (D.),
Pune-
412105

Annexure – V

Student's feedback on infrastructure

Sr. No.	Suggestions by Students	Action Taken/Planned
1	Wi-Fi should be provided in each wing	Wi-Fi is available in each academic wing
2	Lunch Time in Canteen should be increased	In Time Table, Lunch break is given in staggered timing.
3	Washrooms should be cleaned	Washrooms cleaning is done thrice daily.
4	Auditorium and more sports equipment needed	New Auditorium and new sports equipments are available for the use.
5	In some classrooms fans are not working.	Classroom's maintenance is done on periodic basis.
6	Lift is not working properly in D wing	Lift maintenance is done on periodic basis.
7	Sports Facilities should be provided	Indoor as well as outdoor sports facilities are giving to students. Even separate sports slot is given in the time table.
8	PCs are not working properly	In each academic school, new PCs are purchased.
9	Drinking water quality should be improved	RO Plant is installed in the campus to maintain drinking water quality

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure – VI

R&D activities

Patents Granted:

Title: Mechanism for Removing Leaves and Thorns from Rose Flower Stem.

Patent No.: 440427(Application No.: 201921005801)

Date of Grant: 25th July 2023

Patentee: Dr. Prafulla Ratnakar Hatte

Title: Temperature Measurement Technique for Combined Face and Shoulder Grinding Operation

Patent NO: 451164 (Application No: 201721017212)

Date of Grant: 13th September 2023

Patentee: 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

Patents Granted:

Title: Fuel Blender for Use in Gasoline Engine for Blending Ethanol and Gasoline Fuel.

Patent No.: 467725 (Application No.: 201721008392)

Date of Grant: 09th November 2023

Patentee: Dr. Prafulla Ratnakar Hatte

Title: System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation

Patent NO: 468239 (Application No: 201821027111)

Date of Grant : 10th November 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Research Papers (2023-2024)

School	Journal Publications			Conference Publications		
	Scopus	**SCI**	**Other (UGC)**	**Scopus**	**SCI**	**Other (UGC)**
Chemical	0	1	0	1	0	0
Civil	2	0	0	1	0	0
Computer	2	6	0	14	0	0
Elect. Telecommunication	8	0	0	1	0	0
Mechanical	8	0	0	1	0	0
Humanities and Engg Science	2	0	0	0	0	0
Design	0	0	0	0	0	0
Total	24	6	0	6	0	1

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – VII

T&P activities (Quarter-1: 2023-24)

Year Long Internship Program (YLIP) Status 2023-24 - 169 / 760

YLIP Status (2023-24 batch)	Comp Engg	IT	E&TC	ETX	Mech Engg	Civil Engg	Chem Engg
Registration	168	80	145	64	180	63	60
Number of YLIP Students (with PPO)	40 (11)	9 (1)	21 (2)	9 (1)	65 (6)	20 (12)	5 (3)
% YLIP	23.81	11.25	14.48	14.06	36.11	31.75	8.33

Placement Status 2023-24 - 140 / 760

Placement Status (2023-24 batch)	Computer Engineering	Information Technology	Electronics & Telecommunication	Electronics Engineering	Mechanical Engineering	Civil Engineering	Chemical Engineering
Registration	168	80	145	64	180	63	60
No. Placement (multiple offer)	49	18	20	7	25	14	7
No. Placement (Single offer)	49	18	20	7	25	14	7
% Placement (single offer)	29.16	22.5	13.80	10.93	13.88	22.23	11.67

MIT ACADEMY OF ENGINEERING
Alandi(D), Pune-412105

MIT Academy of Engineering (An Autonomous Institute)	**Agenda of the Meeting**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**27th Feb 2024**
	MEETING NO.	:	**IQAC/2023-24/02**

IQAC meeting 2 for the academic year 2023-24 is scheduled on Monday, 04th March 2024 at 11.30 am in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/01) and review on action taken report
2. To discuss the implementation of the NEP 2020 in curriculum design from the academic year 2023-24
3. To discuss the value-added courses conducted during term I and planned for term II for the academic year 2023-24
4. To discuss slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation
5. To discuss the outcomes of academic audits conducted by each school during Term I of 2023-24.
6. To discuss extension activities conducted through NSS and by schools during the term-I of the academic year 2023-24
7. To discuss a strategic plan for quarter II: 2023-24
    - a. Teaching-leaning Process
    - b. Research and Consultancy
    - c. Student Support & Success
    - d. Enhanced Student Experience
    - e. Enhanced Alumni Engagements
    - f. People & welfare
    - g. Social Media Connect
    - h. Entrepreneurship and Innovative Ecosystem
    - i. Campus & Services
    - j. Sustainability
8. Any other point with the permission of the chair

IQAC Coordinator	**IQAC Chairman**
27.02.2024 **Dr. Suyogkumar V. Taralkar** **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D. Goudar** **IQAC – Chairman, Director**

Alandi (D.), Pune-412105

MIT Academy of Engineering (An Autonomous Institute)	**MINUTES OF THE MEETING**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**4th March 2024**
	MEETING NO.	:	**IQAC/2023-24/02**

IQAC meeting 2 for the academic year 2023-24 was scheduled on Monday, 04th March 2024 at 11:30 am in blended mode.

The agenda for the meeting was as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/01) and review on action taken report
2. To discuss the implementation of the NEP 2020 in curriculum design from the academic year 2023-24
3. To discuss the value-added courses conducted during term I and planned for term II for the academic year 2023-24
4. To discuss slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation
5. To discuss the outcomes of academic audits conducted by each school during Term I of 2023-24.
6. To discuss extension activities conducted through NSS and by schools during the term-I of the academic year 2023-24
7. To discuss a strategic plan for quarter II: 2023-24
    a. Teaching-learning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
8. Any other point with the permission of the chair

MINUTES OF THE MEETING

The Second meeting of IQAC for the academic year 2024 was held on 04th March 2024, at 11: 30 am in blended mode.

Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof. (Dr.) Mahesh Goudar
2. Prof.(Dr.) Balasaheb Waphare
3. Prof.(Dr.) Shitalkumar Jain
4. Prof.(Dr.) Sunita Barve
5. Prof. Avinash Bhalerao
6. Prof.(Dr.) Abhijeet Malge
7. Prof. (Dr.) Shyam Shukla
8. Prof. (Dr.) Rajeswari Goudar
9. Prof.(Dr.) Prafulla Hatte
10. Mr. Shridhar Khandekar
11. Dr. Sandeep Shewale
12. Prof. Sunilkumar M.Bhagat
13. Mrs. Vandana Khandelwal
14. Dr. Arika Kotha
15. Dr. Suyogkumar Taralkar
16. Mr. Pravin Pawar
17. Mr. Mangesh Humbad

Other Invitees

18. Mr. Peeyus Kumar
19. Dr. P.S. Kalos
20. Mr. Sumeet Patil
21. Dr. Prachi Rajapollu
22. Dr. Parag Shelke
23. Mrs. Saylee Bidwai
24. Mr. Dhiren Boharapi
25. Ms. Srushti Patil
26. Mr. Vivek Chavan

The leave of absence was granted to following members

1. Prof.(Dr.) Dipti Sakhare
2. Dr. Pramod Kothmire
3. Dr. Vaishali Wangikar
4. Prof. (Dr.) Anant Chakradeo
5. Mr. Girish Bora
6. Mr. Saurabh Saha
7. Mr. Anil Bhat
8. Ms. Srushti Jadhav

01	**To confirm the previous minutes of meetings and review the action taken report.** **Discussion and Resolution:** The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks. The previous minutes of the meeting (Meeting-1, 2023-24, December 05, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.
02	**To discuss the implementation of the NEP 2020 in curriculum design from the academic year 2023-24**

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

	Discussion and Resolution: Deputy Director Academics & Research presented the implementation of the NEP 2020 through curriculum structure with effect from the academic year 2023-24. It is discussed and decided that NEP 2020 will be effectively implemented in progressive mode as per guidelines given by SPPU, AICTE, and UGC. Details of curriculum structure are given through following link: https://docs.google.com/document/d/130EgdQ149IKnf-domVn6_roxN5Gs1ZW-Nu24PLJ6kgg/edit?usp=sharing **Responsibility: Dy. Director-AR, All School Deans**
03	**To discuss the value-added courses conducted during term I and planned for term II for the academic year 2023-24** **Discussion and Resolution:** All School Deans presented the value-added courses conducted during term I and planned for term II for the academic year 2023-24. It is decided that each school has to identify value added courses for all students and ensure that 100% students complete at least one value added course per semester. **Details are given in Annexure -I** **Responsibility: All School Deans**
04	**To discuss slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation** **Discussion and Resolution:** All School Deans presented the slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation. It is decided that each school/department has to follow the SOP published by the office of Dy. Director-AR and implement the same for all classes to identify slow and advanced learners. Also suggested to conduct activities for slow and advanced learners separately and track the progress of slow learners. **Details are given in Annexure –II** **Responsibility: All School Deans**
05	**To discuss the outcomes of academic audits conducted by each school during Term I of 2023-24.** **Discussion and Resolution**: All School Deans presented the outcomes of academic audits conducted by each school during Term I of 2023-24. The new academic audit form is developed by IQAC and is under review. This form contains qualitative and quantitative matrices based on requirements of NAAC & NBA. Once finalized, all schools have to use the same format for next semester onwards.

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

	Details are given in Annexure –III **Responsibility: All School Deans, Dean QA**
06	**To discuss extension activities conducted through NSS and by schools during the Term-I of the academic year 2023-24** **Discussion and Resolution**: Dean QA presented the extension activities conducted through NSS and by schools during the term -I of the academic year 2023-24. All activities conducted by students/staff/faculty members to external members of society for the benefit of society will be considered as extension activities. It is decided that all schools can conduct extension activities through students and faculty to benefit the society. **Details are given in Annexure –IV** **Responsibility: NSS Coordinator All School Deans, Dean SA**
07	**To discuss a strategic plan for quarter II: 2023-24** **Discussion and Resolution:** All Deans presented the strategic plan for quarter II: 2023-24. It is decided that each focus area coordinator/head should update the status of achievements for every quarter with respect to targets and submit the details to IQAC. **Details are given in Annexure –V** **Responsibility: Dy. Director-AC, Dy. Director-CR, Registrar, School Deans, All Deans, Alumni Coordinator, Head Admission & Marketing, HR Manager, System Administrator, Head ED Cell**
08	**Any other point with permission of Chair.** The IQAC Coordinator informed all members that the IQAC office is in the process of submission of AQAR for the academic year 2022-23. IQAC Coordinator & Dean QA proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	**IQAC Chairman**
08.03.2024 **Dr. Suyogkumar V. Taralkar** **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure-I:

Value-added courses conducted during term I and planned for term II

School	Value added courses conducted in Term-I	No. of Beneficiaries	Value added courses identified for Term-II
Chemical	No any course in Sem-I	SY:70 TY : 66 B.Tech: 33	SY: Environmental Management Systems and Energy Management Systems https://drive.google.com/file/d/1dlaUYagwCZppjEuWGqIrwBBl90NN9khs/view?usp=sharing TY: Computational Fluid Dynamics in Chemical in Engineering Course (May 2024) B..Tech: Prosimulator (May 2024)
Computer		SY: 240 1) Social media and Security (120) 2) Sustainable Engineering Development(120)	SY: 1)Social media and Security 2) Sustainable Engineering Development https://drive.google.com/file/d/15wZ7yKnV7t5mUr4_qIT359X_0TmsNrzr/view?usp=drive_link
Civil	Smart Cities-Sustainable development	70	Behavior skills and leadership training
Design	Nil	Nil	Nil
E&TC	Sustainable embedded systems with 8 bit Microcontroller	240	SY: 1) Embedded systems prerequisite and project development essentials thereof
Humanities and Engg. Sci.	Nil		Digital engineering
Mechanical	Sustainable Design of Electric Vehicle	222	Organizational Behavior and ethics

MIT ACADEMY OF ENGINEERING
Alandi (D.),
Pune-412105

SY Value Addition Courses (Deputy Director Academics and Research)

Program	Name of the Value Added Course	In Collaboration with	Resource Person	No. of Students	Coordinator
CHEM	Environmental and Energy Management System	We Built Pathway Ltd.	Mr. Amay Parkhi (EHS manager- ISO auditor) and Dr. Hitesh Thakre (BEE Energy Auditor) (Green Audit)	60	Mrs. M. Sardare and Dr. A Mandal Dr A D Patil
CIVIL	Smart Cities – A Sustainable Development	Freelancing Instructor in Construction Management	Ms. Shraddha Bhosale (Construction Management)	75	Dr. Vijay Muthekar
COMP	Social Media & Security	CSI India	Mr. Hrushikesh Walvekar	120	Ms. Prajakta Dashrath Mr. Krunal Pawar
	Sustainable Engineering Development	IBM , EduSkills	Mr. Yogesh Raje	120	Dr. Rahul Adhao Mr. Chaitanya Patil
ETX	Sustainable development of Embedded Systems.	ST Microelectronics	Prf.Vikrant Verma Prof.Amit Nagarale Prof.Vinaya Tapkir Prof.Savita Pawar	74	Prof.Vikrant Verma
ENTC				152	
MECH	Sustainable Design for Electric Vehicle	Tata Motors	Mansi Mone EERC Tata Motors -EV Design Prashant Chavan- Computer Aided Design- Tata Motors Malan Gouda - Engg Design	220	Mr B R Patil Dr Shreekant Patil

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – II

Slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation

School	Methodology adopted	Implementation	Effectiveness
Chemical	Concept test, Surprise test are conducted by class teacher at start of Sem. Questions in the tests are based on pre requisite courses. https://drive.google.com/file/d/1Vw-g_rhfhT3z5tF2TIYrAjZ75Apaf7C9/view?usp=sharing	Weak learners: makeup sessions for weak students and doubt clearing sessions are conducted , counselling through mentoring system Bright students: GATE preparation guidance encouragement to participate in technical events like SCHEMCON, IDPS	1) One student got best paper award in SCHEMCON 2023

School	Methodology adopted	Implementation	Effectiveness
Computer	Prerequisite survey conducted at the start of semester, Result of previous semester	**Weak learner's:** Problem Solving Sessions Makeup sessions Prerequisite survey Counseling through mentor-mentee meeting **Advanced learners:** Participation of students in various national level competitions, projects exhibition andPaper publications Super30/Support for GATE preparation	3 groups participated in smart India Hackathon One group won **first prize of Rs.one lakh** in SMART INDIA,AICTE HACKATHON 2023 under Ministry of Railways organised by P.S.N.A. College of Engineering and Technology, Tamil Nadu during 19-20 Dec 2023 https://docs.google.com/document/d/11GLWbIgMBe8kg_gengRcfRC9LpT4erST/edit?usp=drive_link&ouid=114083136272089442152&rtpof=true&sd=true

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

School	Methodology adopted	Implementation	Effectiveness
Civil	First assignment/last semester marksc	Weak learners: makeup and doubt clearing sessions, Additional assignments/tasks, counselling Bright students: super 30/ GATE preparation support/encouragement to industrial problem solving.	in process

School	Methodology adopted	Implementation	Effectiveness
Design	1. For Foundation year- B. DESIGN CET score. Out of 200 marks, Below 75 is considered as slow learner. Above 105 is Advance learner. 2. For 2nd year and onwards- courses are divided into SKILLS based and TECHNOLOGY based, in which previous semester's internal marks are considered to identify students. Below 55% is slow learner. Above 75% is Advance learner	Additional one to one mentoring by faculty, More time and simpler assignments in the beginning. Team, peer group learning to aid feeling of left out/falling behind. Necessary tools such as models, pictures, animated videos are employed to enhance the learning process of slow learners.	Work in progress, some improvements in some of the students is quite evident through their skill improvements. Few Team exercises initially also make them less anxious.

School	Methodology adopted	Implementation	Effectiveness
E&TC	Formative assessments, Pre-quiste tests, Assessment reforms are carried out.	**for slow learners:** Problem Solving /make up classes one to one interactions in counselling in class participative interaction **Advanced learners:** Super 30 preparation. exposure to industrial projects, Patents drives	3 patents are selected for further process of drafting

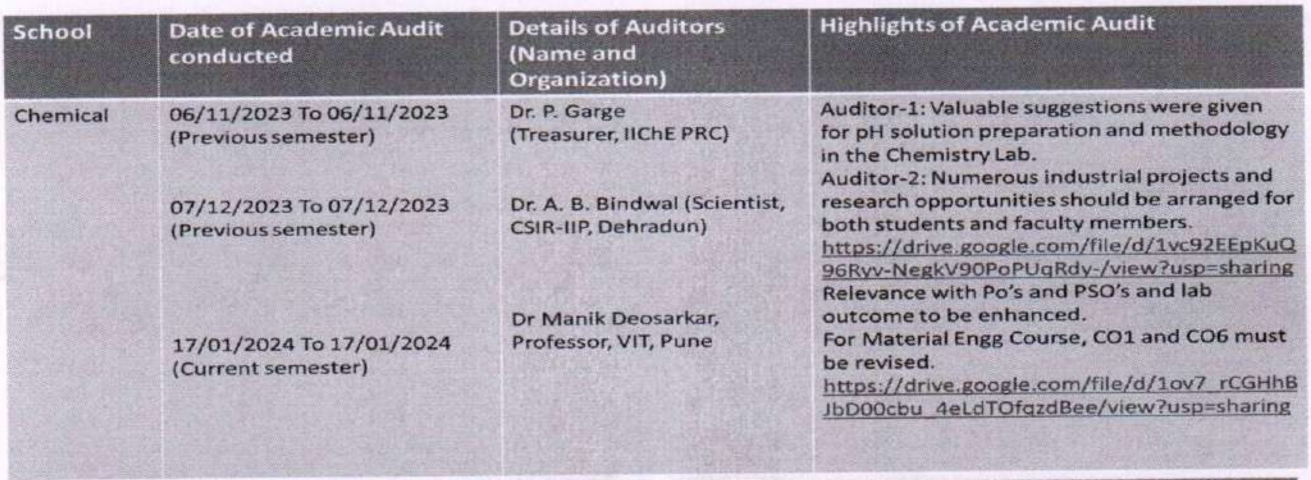
MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School	Methodology adopted	Implementation	Effectiveness
Humanities and Engg. Sci.	Diagnostic test	Weak learner's: practice sessions Advanced learners: national level competitions, projects	IYMC champions
Mechanical	Diagnostic test, Formative test	Weak learner's:Doubt clearing sessions Advanced learner's: BAJA, ekart, industrial problem solving	In process

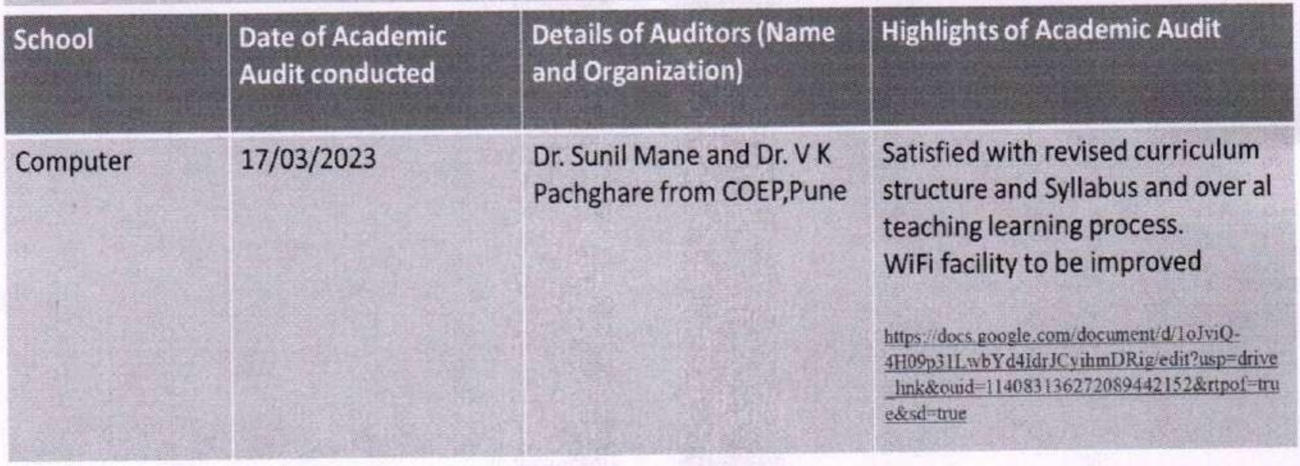
MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Annexure –III

The outcomes of academic audits conducted by each school during Term I of 2023-24.



School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Chemical	06/11/2023 To 06/11/2023 (Previous semester) 07/12/2023 To 07/12/2023 (Previous semester) 17/01/2024 To 17/01/2024 (Current semester)	Dr. P. Garge (Treasurer, IIChE PRC) Dr. A. B. Bindwal (Scientist, CSIR-IIP, Dehradun) Dr Manik Deosarkar, Professor, VIT, Pune	Auditor-1: Valuable suggestions were given for pH solution preparation and methodology in the Chemistry Lab. Auditor-2: Numerous industrial projects and research opportunities should be arranged for both students and faculty members. https://drive.google.com/file/d/1vc92EEpKuQ96Ryv-NegkV90PoPUqRdy-/view?usp=sharing Relevance with Po's and PSO's and lab outcome to be enhanced. For Material Engg Course, CO1 and CO6 must be revised. https://drive.google.com/file/d/1ov7_rCGHhBJbD00cbu_4eLdTOfqzdBee/view?usp=sharing



School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Computer	17/03/2023	Dr. Sunil Mane and Dr. V K Pachghare from COEP,Pune	Satisfied with revised curriculum structure and Syllabus and over al teaching learning process. WiFi facility to be improved https://docs.google.com/document/d/1oJviQ-4H09p31LwbYd4IdrJCyihmDRig/edit?usp=drive_link&ouid=114083136272089442152&rtpof=true&sd=true

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Civil	14/10/2023	Dr. Avinash Kharat, Director JSPM Group	1. Need to be NEP 2020 compliant. 2. PrPBL is good 3. Need to focus on experiential learning 4. Relevance with Po's and PSO's and lab outcome to be enhanced. 5. action taken report to be prepare on result analysis 6. Interdisciplinary labs to be develop.

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Design	Regular and weekly meeting are conducted with Academic mentor. All design faculty attend this online meeting every week.	Prof. Uday Athavankar, Retd prof from IDC, IITB Chief Mentor for MITAOE School of Design.	1. NEP based course structure finalised for 2,3 & 4th year of PD, CD & UX completed in the last month. 2. study of top 25 western design schools for updated course and new curriculum contents started.
E&TC	1. 17/01/2024	1. Dr.Kanmani Buddhi	1. The COs are revised as per the suggestions and aligned to corresponding POs. 2. Activities are also aligned with COs and POs. 3. Commonly assessed criteria for group work in the rubrics of project activity (40 marks) will be included in the next run

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Humanities and Engg. Sci.	31/01/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	CO assessment and review
Mechanical	1/03/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	1.Top down approach should be used for OBE. 2. For 1 semester only one course should be delivered as Project based learning.. 3. Questions should have options so that student can have choice to attempt. 4. Effective use of ICT. 5. Appropriate action verbs shall be used for framing the questions for assignments and MSE/ESE examinations. https://drive.google.com/file/d/120q_mFWx1o9BmUTCxgvlns5-39R4c75l/view?usp=sharing

Annexure-IV

Details of Extension Activities conducted

School/Section	No. of Extension activities conducted	Details of extension activities
NSS	10	Ganesh Visarjan, Meri Mati Mera Desh, Swachta hi seva compaign , Tree plantation, Voter ID Registration, Traffic Awarness, Food distribution during Vari, Health camp, water distribution, Aids awarness
Computer	Muktangan Fund raiser & Visit	A fundraiser campaign hosted by School of Computer Engineering through student association(ASSCET) to help Muktangan Rehabilitation Center to fulfill the part of requirements and donate cash

School/Section	No. of Extension activities conducted	Details of extension activities
Design	3	Celebrated Ganesh Utsav, Onam, Meri Mati Mera Desh
E&TC	Visit to Jagruti Andha Vidyalay Alandi	Food distribution, technical Problem solving and technical help
Humanities and Engg. Sci.	02	Food distribution, yoga and meditation for underprivileged kid's

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure-V

strategic plan for quarter II: 2023-24

➢ Teaching-learning Process (2023-2024)

1	Teaching Learning Process 2023-2024	Target	COMP	SEE	MECH	CIVIL	CHEM	SHES	Outcome
1.1 Academic Framework									
1.1.1	Curriculum Flexibility (% of Credits)	25% Flexible	40	25	25	25	25	14	32 [51/163]
1.1.1	Curriculum Revision (% of Contents)	30% Revision	30	30	30	30	20	32	30
1.2 Industry Engagement									
1.2.1	Expert Talk (No.)	100 Session	03	03	10	7	10	03	36
1.2.1	Skill Courses (No.)	30 Courses	8	8	8	8	8	8	48
1.2.3	Laboratory Collaboration (No.)	4	2	1	1	1	0	0	5
1.3 Teaching Learning Centre									
1.3.1	Faculty Development Programs (No.)	7	01	4	1	1	1	0	8
1.3.2	Professional Courses (per faculty)	200	30	30	30	15	15	10	130
1.3.3	Assessment Reform (10% of Credits)	Min 16 Credits	16	16	16	16	16	16	10
1.3.4	Digital Content Creation (No. of Courses)	10 Course	1	1	10	2	8	0	20
1.3.5	Professional Certificate Courses	3	8	7	2	1	3	0	21

➢ Research and Consultancy

Key Performance	Target	2023-24 (Term-I)
Seed Money (No. of Projects/Amount)	2/Prg	In process
External Funding (No. of projects/amount)	2/Prg	3 Submitted
Publications (International Journals) (Scopus/SCI/WoS)	30	37
Publications (National Journals)	5	0
Publications (International Conferences)	80	24
Book Chapters	10	01
IPR (No. of Patents)	20	3 filed, 3 published, 4 granted
Engineering Consultancy	8	3,50,000
Design Consultancy	6	0

➢ Patents Granted

1. Title: Fuel Blender for Use in Gasoline Engine for Blending Ethanol and Gasoline Fuel.

Patent No.: 467725 (Application No.: 201721008392)

Date of Grant: 09th November 2023

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Patentee: Dr. Prafulla Ratnakar Hatte

2. Title: System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation

Patent NO: 468239 (Application No: 201821027111)

Date of Grant : 10th November 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

3. Title: Mechanism For Removing Leaves And Thorns From Rose Flower Stem.

Patent No.: 440427(Application No.: 201921005801)

Date of Grant: 25th July 2023

Patentee: Dr. Prafulla Ratnakar Hatte

4. Title: Temperature Measurement Technique For Combined Face And Shoulder Grinding Operation

Patent NO: 451164 (Application No: 201721017212)

Date of Grant : 13th September 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

➢ Research Audit

Research Audit Concept Started:

Audit Focus: Individual & School Level Achievements related to:-

1. Research Publications
2. Research grants
3. Conference Papers
4. Book Chapters
5. IPRs
6. Consultancy

Audits Completed for:

1. School of Civil Engineering
2. School of Mechanical Engineering
3. School of Chemical Engineering

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

➢ Student Support & Success

Key Performance	Target 2023-24	Target 2023-24 (Quarter 1 & 2)	Achievement 2023-24 (Quarter 1 & 2)
Employability- Training programs	12	6	6
SIP(Industry) – No. of students	500	NA	NA
SIP – No. of industry offers	450	NA	NA
SLIP – No. of students	250	150	250
SLIP – No. of industry offers	100	70	54
Placement – No. of students	500	300	210
Placement – No. industry offers	360	260	87
Placement - Average Salary (in Lakhs)	5.8	5.8	6.14
Higher Studies – No. of students	45	30	09

➢ Enhanced Student Experience

Sl. No.	Objective	Target	Status
a	Technical-Participation (Nos.)	110	
b	Number of Technical competitions	110	31
c	Number of Technical achievements	35	45
d	Total number of students participation in various student events	1500	5644
e	Total number of students Achievements	60	50
f	Number of events /competitions to have participated	100	45

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	100	50
c	National level technical event(No.)	2	0
d	Sports events(Nos.)	5	4
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0
b	Number of student	40	0

➢ Enhanced Alumni Engagements

Sr. No.	Enhanced Alumni engagement	Targets	Achieved
01	Alumni Activities	100	43
02	Alumni meet (school/institute level)	10	5
03	Alumni meet – Student involvement	1000	390
04	Alumni - Sponsorship (Nos.)	8	2
05	Alumni – Internship / placement offers	120	11
06	Distinguished Alumni / Recognition Appreciation	10 / 50	2 / 11

➢ People & welfare

Key Performance Indicators	Target	Status
Faculty Strength (no.)	177	181
Engineering (Faculty : Student ratio)	1:18	1:19
Design	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	65%
Employee Satisfaction (%)	75	50

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

➢ Social Media Connect

Objective

To Increase the Traffic on Website
To Increase the lead Generation
To reduce the overall cost per lead (CPL)
To Improve the number of admissions
To Improve the quality of Intake

Key Performance Indicators/Outcome	**Target 23-24**	**Achievements 23-24**
Website traffic projection (unique users per day)	1100	1200
Admission		
Engineering (%)	95	84.62
Design(%)	100	85.56
Increase quality leads	10000	11000
Sign up leads	1700	1568

➢ Entrepreneurship and Innovative Ecosystem

Entrepreneurial & Innovation Ecosystem	Target	Q1 Result	Q2 Result
IE Awareness and Promotional activities	12	6	10
Networking	6	4	6
Upskilling and Outreach program	6	3	3
Alumni engagement activities	4	2	2
Project to Product (P2P) Transformation Program	8	2	2
No of student startup	30	13 + 5	13+7
Infrastructure and facilities -Incubatee Seating space	25	0	0
Patents at MITAOE EDF	8	0	0
Crazy quilt with mentor, investor and channel partner	40	1	26

➢ Campus & Services

Parameter	Target	Achievement
WIFI infrastructure	100	80
LMS concurrent user	3K+	3500
Internet Bandwidth	2GBPS	500 MBPS
ERP	100	50
LMS	100	100
Turnitin Plagiarism	1000	2500
METLAB Licenses	Standard + 60 Add-On + 70 Tool Box	Standard + 60 Add-On + 70 Tool Box

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

- **Sustainability**
  - Three year plan is prepared and budget is also allocated in each head.
  - Rs 15.25 Lakhs proposed budget has been allocated for 3 years plan (A.Y. 2024-25, 2025-26, 2026-27).
  - An awareness session has been planned for faculties and students for next 3 year plan.
  - The details of the budget under each head is mentioned below.

    Link: **https://docs.google.com/spreadsheets/d/1tro_NZh71jSu3Vvuo28Iw8Y6Po-zEWAf/edit?usp=sharing&ouid=101804389148389466877&rtpof=true&sd=true**
  - Proposed strategic planning for Implementing Eco-friendly Business Practices:

    Link:

    https://docs.google.com/document/d/1ipBGGUOAUOvSs9w6jqmW19IqSyOk-z-7/edit

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

MIT Academy of Engineering [An Autonomous Institute]	**ATTENDANCE**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**		**4th March 2024**
	MEETING NO.		**IQAC / 2023-24 / 02**

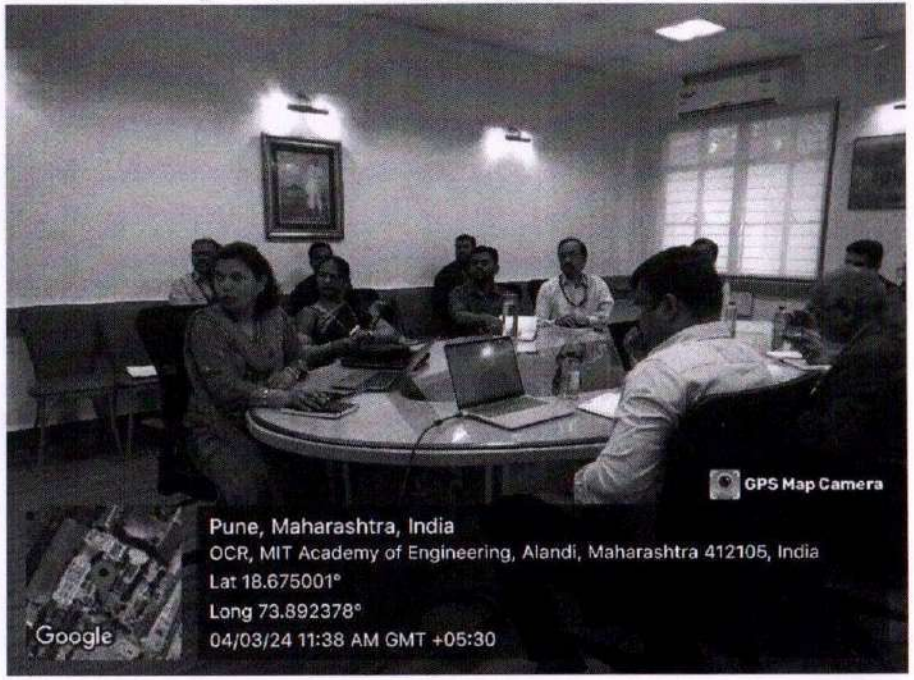
Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	
02	Prof.(Dr.) Shitalkumar. A. Jain	Jain
03	Prof.(Dr.) Sunita S. Barve	
04	Prof. Sunilkumar.M.Bhagat	
05	Prof. Avinash Bhalerao	
06	Prof.(Dr.) Abhijeet Malge	online
07	Dr. Vaishali Wangikar	—
08	Dr. Arika Kotha	
09	Dr. Shyam Shukla	SShukla
10	Prof.(Dr.) Rajeswari Goudar	
11	Dr. Sandeep Shewale	
12	Prof.(Dr.) Dipti Sakhare	—
13	Prof.(Dr.) Prafulla Hatte	
14	Mr. Shridhar Khandekar	SAK
15	Mrs. Vandana Khandelwal	
16	Prof.(Dr.) Balasaheb. Waphare	
17	Prof.(Dr.) Anant Chakradeo	—
18	Ms. Srushti Jadhav	—
19	Mr. Mangesh Humbad	
20	Mr. Anil Bhat	—
21	Mr. Pravin Pawar	Online
22	Mr. Girish Bora	—
23	Dr. Suyogkumar Taralkar	

24	Mr. Piyush Kumar	
25	Dr. Pramod Kothmire	
26.	Dr P. S. Kalos	P.S.Kalos
27.	Dhiren Boharapi	
28.	Srushti Ghadge	
29.	Vivek chavan	vchavan
30	Sumit Patil	
31	Dr. Prachi Rajarapollu	PRR

32. Dr. Parag shelke

33. Saylee Bidwai

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:39 AM GMT +05:30


GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:38 AM GMT +05:30

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:51 AM GMT +05:30

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:38 AM GMT +05:30

GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:37 AM GMT +05:30

GPS Map Camera
Google

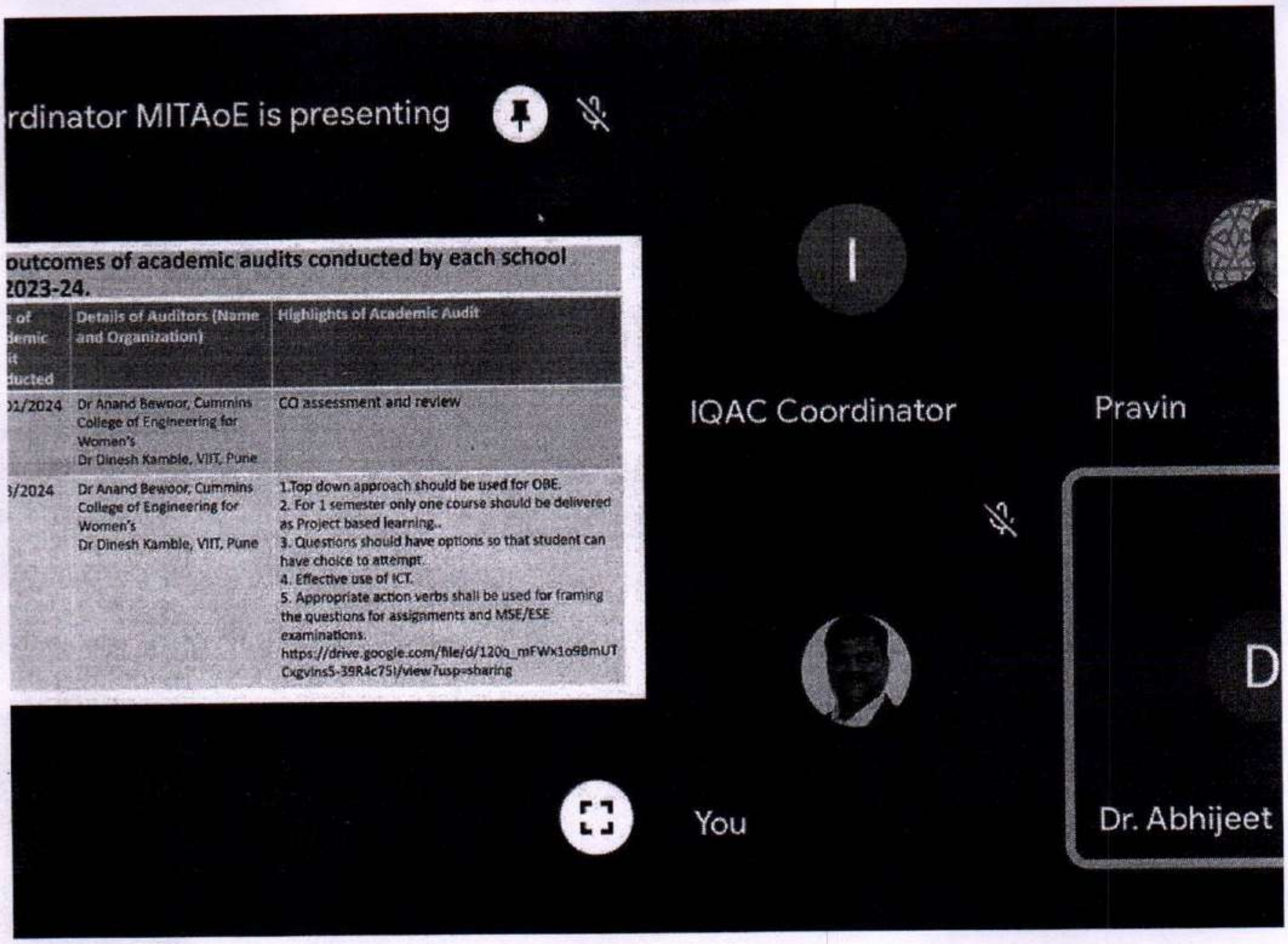
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 12:26 PM GMT +05:30

GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 11:37 AM GMT +05:30

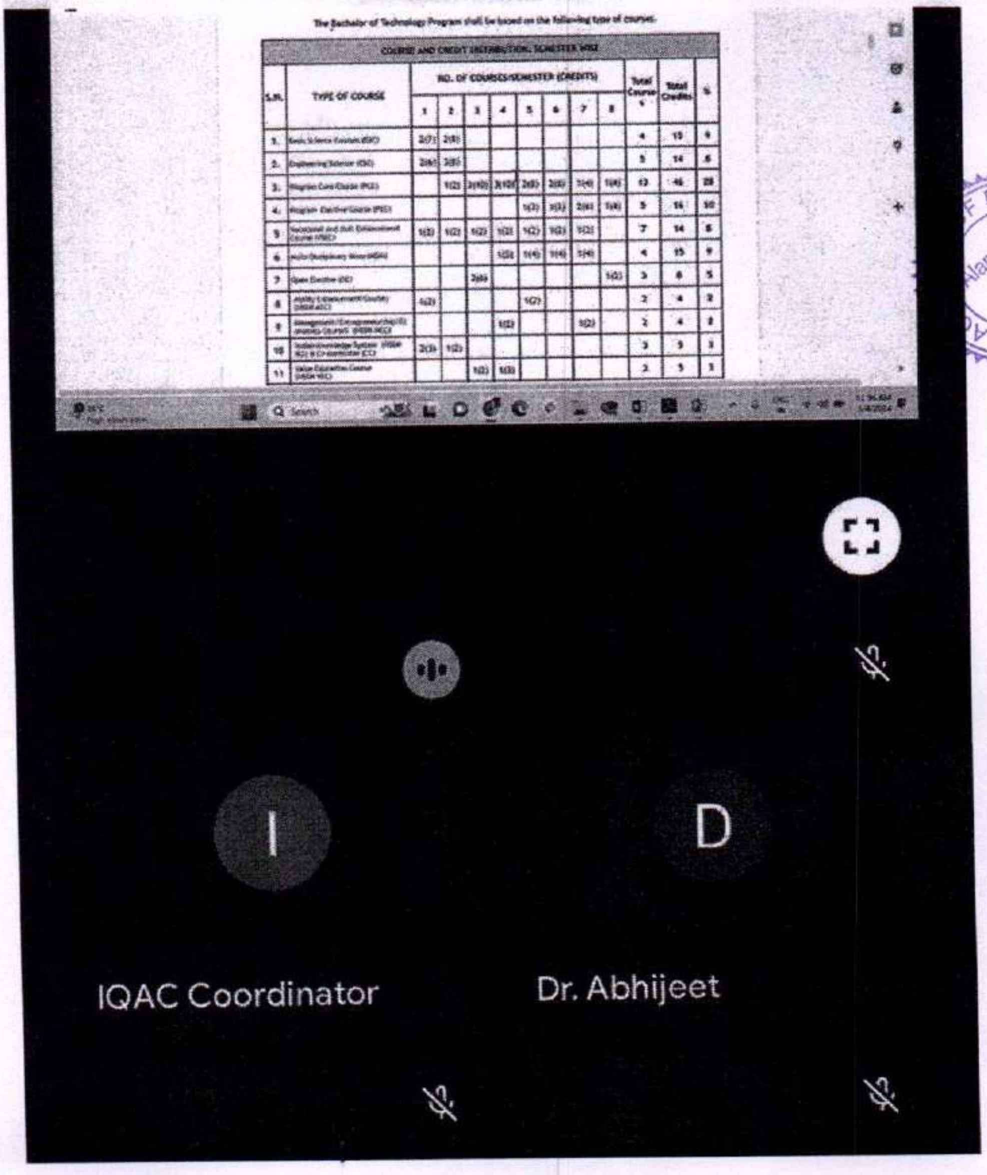
GPS Map Camera
Google

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
04/03/24 12:26 PM GMT +05:30


rdinator MITAoE is presenting
IQAC Coordinator
Pravin
You
Dr. Abhijeet

outcomes of academic audits conducted by each school
2023-24.

of demic it ducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
1/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	CO assessment and review
3/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	1.Top down approach should be used for OBE. 2. For 1 semester only one course should be delivered as Project based learning.. 3. Questions should have options so that student can have choice to attempt. 4. Effective use of ICT. 5. Appropriate action verbs shall be used for framing the questions for assignments and MSE/ESE examinations. https://drive.google.com/file/d/120q_mFWx1o98mUTCxgvins5-39R4c75I/view?usp=sharing


IQAC Coordinator
Dr. Abhijeet
Search

The Bachelor of Technology Program shall be based on the following type of courses.

COURSE AND CREDIT DISTRIBUTION, SEMESTER WISE

MIT Academy of Engineering (An Autonomous Institute)	**Action Taken Report**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**4th March 2024**
	MEETING NO.	:	**IQAC/2023-24/02**

IQAC meeting 2 for the academic year 2023-24 was scheduled on Monday, 04th March 2024 at 11:30 am in blended mode.

The agenda for the meeting was as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/01) and review on action taken report
2. To discuss the implementation of the NEP 2020 in curriculum design from the academic year 2023-24
3. To discuss the value-added courses conducted during term I and planned for term II for the academic year 2023-24
4. To discuss slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation
5. To discuss the outcomes of academic audits conducted by each school during Term I of 2023-24.
6. To discuss extension activities conducted through NSS and by schools during the term-I of the academic year 2023-24
7. To discuss a strategic plan for quarter II: 2023-24
    a. Teaching-learning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
8. Any other point with the permission of the chair

MINUTES OF THE MEETING

The Second meeting of IQAC for the academic year 2024 was held on 04th March 2024, at 11: 30 am in blended mode.

Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof.(Dr.) Balasaheb Waphare
2. Prof.(Dr.) Shitalkumar Jain
3. Prof.(Dr.) Sunita Barve
4. Prof. Avinash Bhalerao
5. Prof.(Dr.) Abhijeet Malge
6. Prof. (Dr.) Shyam Shukla
7. Prof. (Dr.) Rajeswari Goudar
8. Prof.(Dr.) Prafulla Hatte
9. Mr. Shridhar Khandekar
10. Dr. Sandeep Shewale
11. Prof. Sunilkumar M.Bhagat
12. Mrs. Vandana Khandelwal
13. Dr. Arika Kotha
14. Dr. Suyogkumar Taralkar
15. Mr. Pravin Pawar
16. Mr. Mangesh Humbad

Other Invitees

17. Mr. Peeyus Kumar
18. Dr. P.S. Kalos
19. Mr. Sumeet Patil
20. Dr. Prachi Rajapollu
21. Dr. Parag Shelke
22. Mrs. Saylee Bidwai
23. Mr. Dhiren Boharapi
24. Ms. Srushti Patil
25. Mr. Vivek Chavan

The leave of absence was granted to following members

1. Prof.(Dr.) Dipti Sakhare
2. Dr. Pramod Kothmire
3. Dr. Vaishali Wangikar
4. Prof. (Dr.) Anant Chakradeo
5. Mr. Girish Bora
6. Mr. Saurabh Saha
7. Mr. Anil Bhat
8. Ms. Srushti Jadhav

01 **To confirm the previous minutes of meetings and review the action taken report.**

Discussion and Resolution:

The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks.

The previous minutes of the meeting (Meeting-1, 2023-24, December 05, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.

02 **To discuss the implementation of the NEP 2020 in curriculum design from the academic year 2023-24**

Discussion and Resolution: Deputy Director Academics & Research presented the implementation of the NEP 2020 through curriculum structure with effect from the academic year 2023-24.

It is discussed and decided that NEP 2020 will be effectively implemented in progressive mode as per guidelines given by SPPU, AICTE, and UGC.

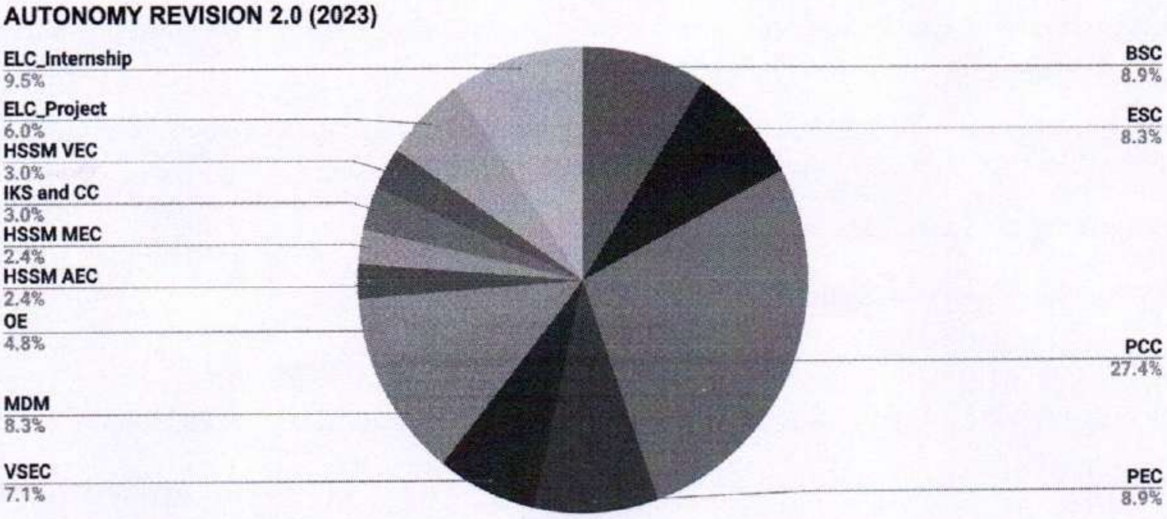
Details of curriculum structure are given through following link:

https://docs.google.com/document/d/130EgdQ149IKnf-domVn6_roxN5Gs1ZW-Nu24PLJ6kgg/edit?usp=sharing

Responsibility: Dy. Director-AR, All School Deans

Action Taken:

The institute is actively engaged in implementing the National Education Policy (NEP). The Credit-based Flexible, Innovative, and Multidisciplinary Curricular Framework at MIT Academy of Engineering is designed on the lines of the National Credit Framework, AICTE Approval Process Handbook, and Government of Maharashtra Directives. Credit Distribution is as per NEP Guidelines with a flexible and comprehensive curriculum.



Chemical: The school is implementing the National Education Policy based on the lines of the National Credit Framework, SY to B.Tech course curriculum is prepared as per NEP. All the courses from FY to B.Tech. as per NEP pattern has been identified.

Computer Engineering: The School of Computer Engineering is going to implement SY, TY and B.Tech course curriculum as per National Education Policy(NEP) following the guidelines of the National Credit Framework. Identification of the courses as per NEP pattern and framed the syllabus for the identified courses for FY, SY, TY and B.Tech.

Civil Engineering: The School is implementing the NEP based on the lines of the National Credit Framework. FY to TY B. Tech. course structure is finalized as per NEP. The b. Tech. Courses are identified. FY B. Tech. and SY B. Tech. Syllabus are being finalized as per the course structure.

E&TC engineering

The NEP implementation at SEE is well carried out with skill courses like Electronics workshop, ISA and the core courses like LSA. Vedic Mathematics like IKS is very well enjoyed by the students.

Mechanical Engineering: School of Mechanical Engineering has implemented National Educay Policy as per the Guidelines shared by Govt of Maharashtra. Indian Knowledge System, Skill course and core course have been included for first year. UHV and Environment science, Entrepreneurship development has been included in SY B tech along Project and core courses.

FY BTech: School of Humanities and Engineering science has implemented National Educay Policy as per the Guidelines shared by Govt of Maharashtra for first year. Indian Knowledge System, Liberal learning course, Program core, Skill courses are included for first year. Semester 1 results for NEP batch is 92.77 %.

03

To discuss the value-added courses conducted during term I and planned for term II for the academic year 2023-24

Discussion and Resolution: All School Deans presented the value-added courses conducted during term I and planned for term II for the academic year 2023-24.

It is decided that each school has to identify value added courses for all students and ensure that 100% students complete at least one value-added course per semester.

Details are given in Annexure -I

Responsibility: All School Deans

Action Taken:

Details of value added courses offered in semester-II of academic year 2023-24

School	Class	Value added course name	Duration (Hrs)	Start date (DD/MM/YYYY)	End date (DD/MM/YYYY)	Status of the courses (Completed/ Ongoing/ Planned)
Chemical	SY	Environmental Management Systems and Energy Management Systems	32	29/1/2024	2/2/2024	Completed
	TY	Computational fluid dynamics in chemical engg	40	27/5/2024	1/6/2024	Planned
Civil	TY	Essential Life Skills for Civil	40	27/05/2024	30/05/2024	Planned

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

	B. Tech.	Engineering Professionals				
Computer	SY	Social media and security	120	29 Jan 2024	02 Feb 2024	Completed
		Sustainable Engineering Development	120	29 Jan 2024	02 Feb 2024	Completed
	TY	New business Prospective and personality development	80	27 May 2024	31 May 2024	Planned
		Generative AI	80	27 May 2024	31 May 2024	Planned
		Employability/hiring & Life skill development	80	27 May 2024	31 May 2024	Planned
E&TC	T.Y. B TECH	Cyber Security in critical Scenario	217	27/05/2024	01/06/2024	Planned
Mechanical	TY B Tech	Sustainable Design of Electric Vehicle	200	29/1/2024	2/2/2024	Completed
		Supply Chain Management	30	1/04/2024	26/06/2024	Ongoing
		CREO CAD Modelling	30	27/5/2024	1/6/2024	Planned
Design	TY	Session on IPR by Patent attorney	1 day			Completed

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

Engg. Science & Hum.	FY Btech	Digital Engineering Cisco certification in Python for Data Science. Linux fundamentals certification Mathematical modeling and simulation: manim	770	1/03/2024	14/04/2024	Completed

To discuss slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation

Discussion and Resolution: All School Deans presented the slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation.

It is decided that each school/department has to follow the SOP published by the office of Dy. Director-AR and implement the same for all classes to identify slow and advanced learners. Also suggested to conduct activities for slow and advanced learners separately and track the progress of slow learners.

Details are given in Annexure –II

Responsibility: All School Deans

Action Taken:

04 **Details of activities conducted for slow and advanced learners**

School	Class	Activities conducted for slow learners	Activities conducted for advanced learners
Chemical	SY/TY/B.Tech	Concept test for identification of slow and advanced learners Make up classes for weak learners (Ongoing for SY) Counselling through mentoring	Prakalp: : International level student conference Model making competition To inculcate the self-learning process, students are made to be members in professional societies like IICHE

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

		Model making competition	
Civil	SY/TY/B. Tech.	1. Initial assignments and previous semester marks are considered for identification of slow and advanced learners. 2. Counseling by mentors. 3. Doubt solving session conducted by the faculty. 4. Use of Office Hours. 5. Make up classes for weak learners (TY and BTech, SY-Ongoing)	1. Motivate the students to participate in conferences and workshops. 2. complex assignments, and problem-solving assignments in internal assessment/ continuous assessment. 3. Motivate the students to complete the Self site visit. 4. Participation in National and International events/ competitions.
Computer		1. Identification of slow learners and advanced learners is done based on presurvey of the course and previous semester marks. 2. Problem solving sessions conducted by respective course instructors. 3.Counseling by mentors conducted for the respective mentees. 4. Make up classes for weak learners (SY-ongoing and TY and BTech- Completed)	1.Encouraging the students to participate workshops, publishing Paper publications and attending/presenting in international and national level conferences 2 Encouraging for patent filing 3. Conduction of Problem solving Sessions (complex problems) 4. Motivating the students to Participate in various National and International level competitions. 5. Participate in various hackathon events at national level
E&TC	SY/TY/B Tech	Diagnostic /prerequisite test for identification of Slow Learners.	Patent filing participation in events like aeromodelling and drone competition and SPIC paper presentation

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

		Make up classes and problem solving sessions Counseling by project mentors	Participation and organization of competitions and technical events like TECHNOPHILIA
Mechanical	SY/TY/B Tech	Diagnostic Test for identification of Slow Learners. Make up classes Counseling by Faculties	BAJA/EKart event participation Participation in IMECHE competitions and events Active participation in Rotract Club activities.
Design	SY, TY & B. Des	One to one discussions & inputs to students on assignments. Weekly review of Graduation project.	Reviews with multiple faculties/experts for better critical and advanced inputs on projects.
Engg. Science & Hum.		Practice sessions in regular time tables for sloe learners Make up session over and above practice sessions Mentoring to all weak learners	Projects/ complex assignments for advanced learner Chemistry projects Mathematical modeling and simulation task Complex problem solving Participation in Robocon/ Drone/ mathematics competitions Conduction of workshops for Scicon

Pl verify the slow and advanced learners' files (Softcopies/Hardcopies) as per NAAC Criteria and SOP before IQAC Meeting.

05

To discuss the outcomes of academic audits conducted by each school during Term I of 2023-24.

Discussion and Resolution: All School Deans presented the outcomes of academic audits conducted by each school during Term I of 2023-24.

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

The new academic audit form is developed by IQAC and is under review. This form contains qualitative and quantitative matrices based on the requirements of NAAC & NBA. Once finalized, all schools have to use the same format for next semester onwards.

Details are given in Annexure –III

Responsibility: All School Deans, Dean QA

Action Taken:

School	**Date of academic audit conducted (Term-I)**	**Date of Audit Report Submitted to IQAC**
Chemical	Audit:1 6/11/2023	24/11/2023
	Audit 2: 17/1/2024	23/1/2024
Civil	Term- I - 14/08/2023 Term- II- 21/03/2024	Term- I - 17/08/2023 Term- II- 26/03/2024
Computer	Term- I - 17/03/2023 Term- II- 22/04/ 2024	Term- I - 20/03/2024 Term- II- 10/05/2024
E&TC	Odd term 23-24 17/1/2024 Even term 23-24 : planned in first week of June 24	23/1/2024
Mechanical	Term I 1/03/2024 Term II Planned on 3/06/2023	Term I: 3/03/2024
Design	Meetings conducted with Academic mentor conducted on 2 May, 19 April, 19 March	Refinement of NEP structure in progress.
Engg. Science & Hum.	Planned on 24/05/2024	

Pl submit the Audit Report and Action Taken Report to IQAC Office.

06 **To discuss extension activities conducted through NSS and by schools during the Term-I of the academic year 2023-24**

Discussion and Resolution: Dean QA presented the extension activities conducted through NSS and by schools during the term -I of the academic year 2023-24. All activities conducted by students/staff/faculty members to external members of society for the benefit of society will be considered as extension activities.

Annexure-I:

It is decided that all schools can conduct extension activities through students and faculty to benefit the society.

Details are given in Annexure –IV

Responsibility: NSS Coordinator All School Deans, Dean SA

Action Taken:

School	Details of extension activities conducted	No. of students participated in extension activities
Chemical	Nil	Nil
Civil	Donation of old or used things to "Joy of Sharing" Mrs. Sayali Dubash.	38
Computer		
E&TC	Donation to orphanage	10
Mechanical	Nil	Nil
Design	Nil	Nil
Engg. Science & Hum.	Food distribution Yoga meditation training Swatchanjali:ghat Cleaning Computer awareness for Snehwan	12

To discuss a strategic plan for quarter II: 2023-24

07 **Discussion and Resolution:** All Deans presented the strategic plan for quarter II: 2023-24.

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

	It is decided that each focus area coordinator/head should update the status of achievements for every quarter with respect to targets and submit the details to IQAC. **Details are given in Annexure –V** **Responsibility: Dy. Director-AC, Dy. Director-CR, Registrar, School Deans, All Deans, Alumni Coordinator, Head Admission & Marketing, HR Manager, System Administrator, Head ED Cell** Chemical: The strategic planning work is ongoing as per planning. Civil: The strategic plan adherence is as per planning. Computer: The strategic planned work is ongoing as per planning. Mechanical : The strategic plan is implemented as per plan.
08	**Any other point with permission of Chair.** The IQAC Coordinator informed all members that the IQAC office is in the process of submission of AQAR for the academic year 2022-23. IQAC Coordinator & Dean QA proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

Value-added courses conducted during term I and planned for term II

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

School	Value added courses conducted in Term-I	No. of Beneficiaries	Value added courses identified for Term-II
Chemical	No any course in Sem-I	SY:70 TY : 66 B.Tech: 33	SY: Environmental Management Systems and Energy Management Systems https://drive.google.com/file/d/1dlaUYagwCZppjEuWGqIrwBBI90NN9khs/view?usp=sharing TY: Computational Fluid Dynamics in Chemical in Engineering Course (May 2024) B..Tech: Prosimulator (May 2024)
Computer		SY: 240 1) Social media and Security (120) 2) Sustainable Engineering Development(120)	SY: 1)Social media and Security 2) Sustainable Engineering Development https://drive.google.com/file/d/15wZ7yKnV7t5mUr4_qIT359X_0TmsNrzr/view?usp=drive_link
Civil	Smart Cities-Sustainable development	70	Behavior skills and leadership training
Design	Nil	Nil	Nil
E&TC	Sustainable embedded systems with 8 bit Microcontroller	240	SY: 1) Embedded systems prerequisite and project development essentials thereof
Humanities and Engg. Sci.	Nil		Digital engineering
Mechanical	Sustainable Design of Electric Vehicle	222	Organizational Behavior and ethics

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

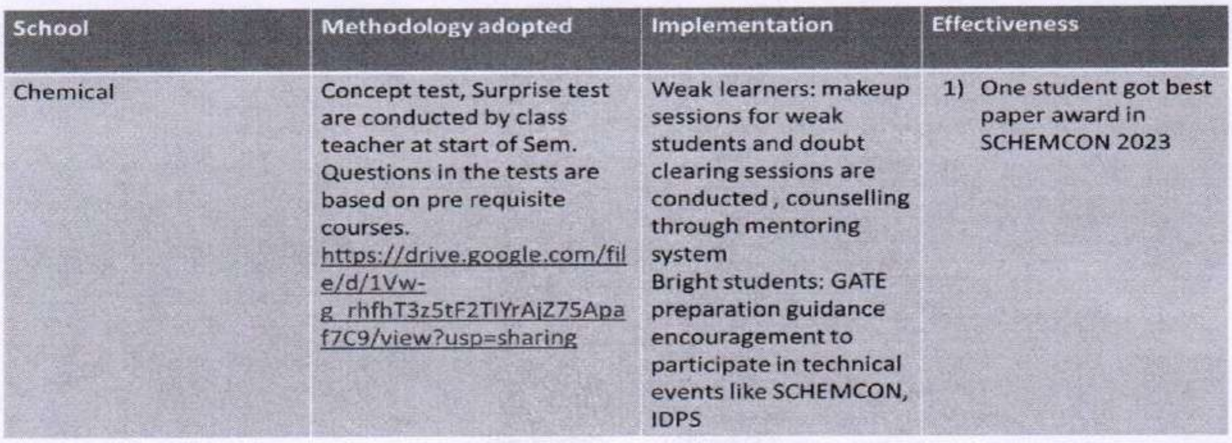
SY Value Addition Courses (Deputy Director Academics and Research)

Program	Name of the Value Added Course	In Collaboration with	Resource Person	No. of Students	Coordinator
CHEM	Environmental and Energy Management System	We Built Pathway Ltd.	Mr. Amay Parkhi (EHS manager- ISO auditor) and Dr. Hitesh Thakre (BEE Energy Auditor) (Green Audit)	60	Mrs. M. Sardare and Dr. A Mandal Dr A D Patil
CIVIL	Smart Cities – A Sustainable Development	Freelancing Instructor in Construction Management	Ms. Shraddha Bhosale (Construction Management)	75	Dr. Vijay Muthekar
COMP	Social Media & Security	CSI India	Mr. Hrushikesh Walvekar	120	Ms. Prajakta Dashrath Mr. Krunal Pawar
	Sustainable Engineering Development	IBM , EduSkills	Mr. Yogesh Raje	120	Dr. Rahul Adhao Mr. Chaitanya Patil
ETX	Sustainable development of Embedded Systems.	ST Microelectronics	Prf.Vikrant Verma Prof.Amit Nagarale Prof.Vinaya Tapkir Prof.Savita Pawar	74	Prof.Vikrant Verma
ENTC				152	
MECH	Sustainable Design for Electric Vehicle	Tata Motors	Mansi Mone EERC Tata Motors -EV Design Prashant Chavan- Computer Aided Design- Tata Motors Malan Gouda - Engg Design	220	Mr B R Patil Dr Shreekant Patil

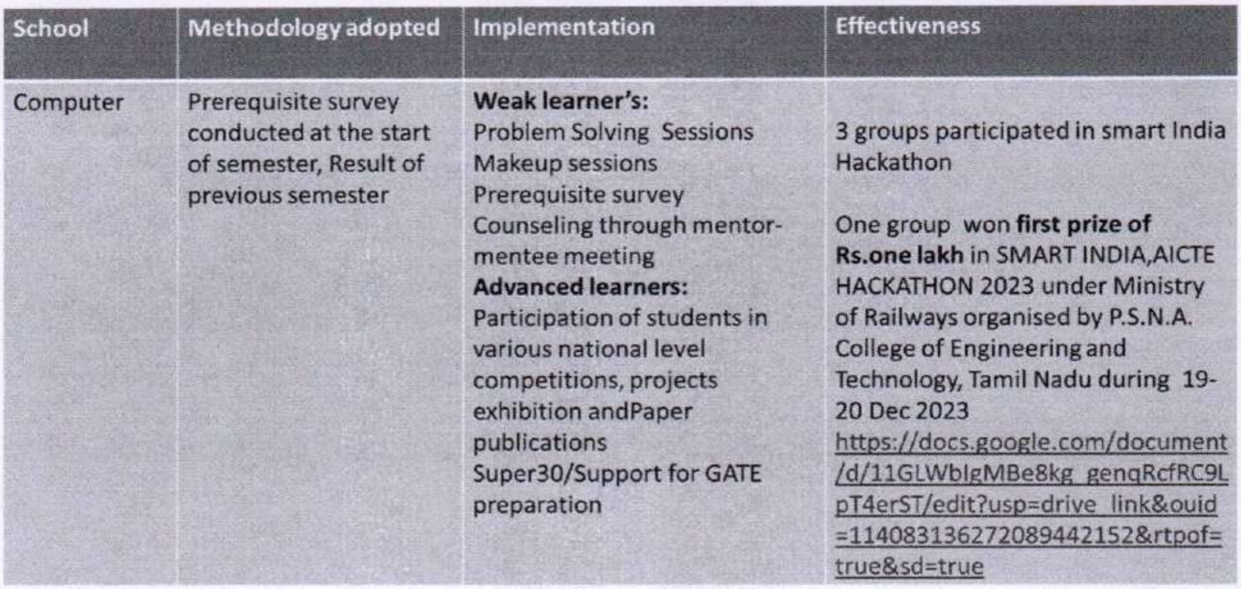
MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure – II

Slow and advanced learner's methodology adopted for the academic year 2023-24 and its implementation



School	Methodology adopted	Implementation	Effectiveness
Chemical	Concept test, Surprise test are conducted by class teacher at start of Sem. Questions in the tests are based on pre requisite courses. https://drive.google.com/file/d/1Vw-g_rhfhT3z5tF2TIYrAjZ75Apaf7C9/view?usp=sharing	Weak learners: makeup sessions for weak students and doubt clearing sessions are conducted , counselling through mentoring system Bright students: GATE preparation guidance encouragement to participate in technical events like SCHEMCON, IDPS	1) One student got best paper award in SCHEMCON 2023



School	Methodology adopted	Implementation	Effectiveness
Computer	Prerequisite survey conducted at the start of semester, Result of previous semester	**Weak learner's:** Problem Solving Sessions Makeup sessions Prerequisite survey Counseling through mentor-mentee meeting **Advanced learners:** Participation of students in various national level competitions, projects exhibition andPaper publications Super30/Support for GATE preparation	3 groups participated in smart India Hackathon One group won **first prize of Rs.one lakh** in SMART INDIA,AICTE HACKATHON 2023 under Ministry of Railways organised by P.S.N.A. College of Engineering and Technology, Tamil Nadu during 19-20 Dec 2023 https://docs.google.com/document/d/11GLWblgMBe8kg_genqRcfRC9LpT4erST/edit?usp=drive_link&ouid=114083136272089442152&rtpof=true&sd=true

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School	Methodology adopted	Implementation	Effectiveness
Civil	First assignment/last semester marksc	Weak learners: makeup and doubt clearing sessions, Additional assignments/tasks, counselling Bright students: super 30/ GATE preparation support/encouragement to industrial problem solving.	in process

School	Methodology adopted	Implementation	Effectiveness
Design	1. For Foundation year- B. DESIGN CET score. Out of 200 marks, Below 75 is considered as slow learner. Above 105 is Advance learner. 2. For 2nd year and onwards- courses are divided into SKILLS based and TECHNOLOGY based, in which previous semester's internal marks are considered to identify students. Below 55% is slow learner. Above 75% is Advance learner	Additional one to one mentoring by faculty, More time and simpler assignments in the beginning. Team, peer group learning to aid feeling of left out/falling behind. Necessary tools such as models, pictures, animated videos are employed to enhance the learning process of slow learners.	Work in progress, some improvements in some of the students is quite evident through their skill improvements. Few Team exercises initially also make them less anxious.

School	Methodology adopted	Implementation	Effectiveness
E&TC	Formative assessments, Pre-quiste tests, Assessment reforms are carried out.	**for slow learners:** Problem Solving /make up classes one to one interactions in counselling in class participative interaction **Advanced learners:** Super 30 preparation. exposure to industrial projects, Patents drives	3 patents are selected for further process of drafting

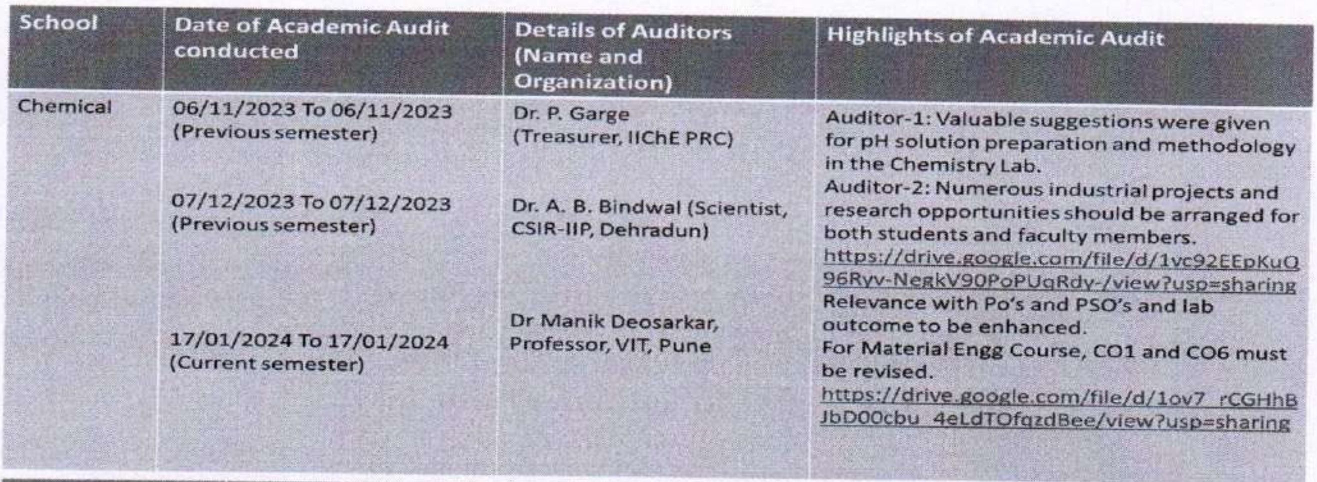
MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

School	Methodology adopted	Implementation	Effectiveness
Humanities and Engg. Sci.	Diagnostic test	Weak learner's: practice sessions Advanced learners: national level competitions, projects	IYMC champions
Mechanical	Diagnostic test, Formative test	Weak learner's:Doubt clearing sessions Advanced learner's: BAJA, ekart, industrial problem solving	In process

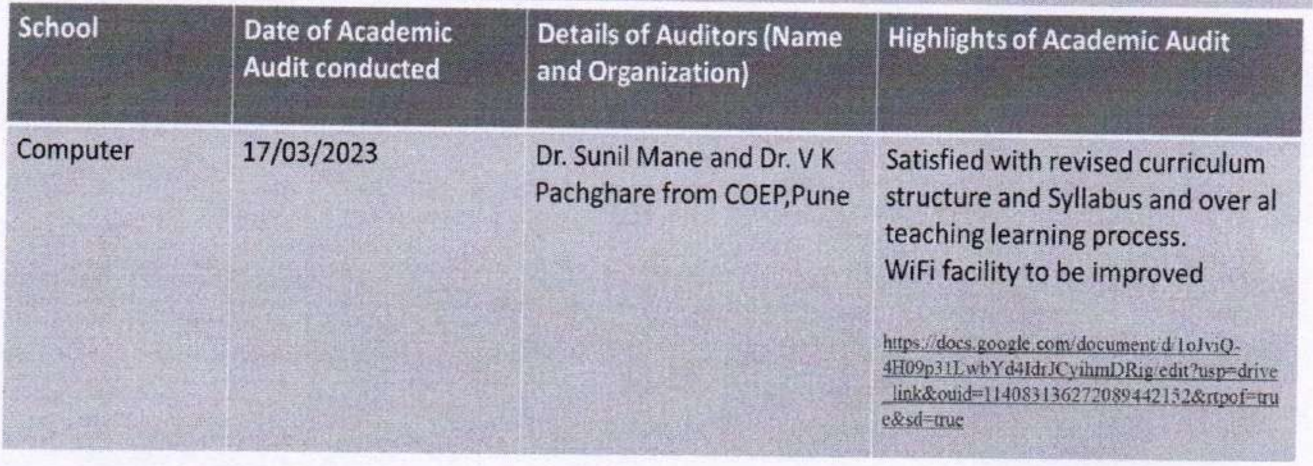
MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Annexure –III

The outcomes of academic audits conducted by each school during Term I of 2023-24.



School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Chemical	06/11/2023 To 06/11/2023 (Previous semester) 07/12/2023 To 07/12/2023 (Previous semester) 17/01/2024 To 17/01/2024 (Current semester)	Dr. P. Garge (Treasurer, IIChE PRC) Dr. A. B. Bindwal (Scientist, CSIR-IIP, Dehradun) Dr Manik Deosarkar, Professor, VIT, Pune	Auditor-1: Valuable suggestions were given for pH solution preparation and methodology in the Chemistry Lab. Auditor-2: Numerous industrial projects and research opportunities should be arranged for both students and faculty members. https://drive.google.com/file/d/1vc92EEpKuQ96Ryv-NegkV90PoPUqRdy-/view?usp=sharing Relevance with Po's and PSO's and lab outcome to be enhanced. For Material Engg Course, CO1 and CO6 must be revised. https://drive.google.com/file/d/1ov7_rCGHhBJbD00cbu_4eLdTOfqzdBee/view?usp=sharing



School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Computer	17/03/2023	Dr. Sunil Mane and Dr. V K Pachghare from COEP,Pune	Satisfied with revised curriculum structure and Syllabus and over al teaching learning process. WiFi facility to be improved https://docs.google.com/document/d/1oJviQ-4H09p31LwbYd4IdrJCyihmDRig/edit?usp=drive_link&ouid=114083136272089442152&rtpof=true&sd=true

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Civil	14/10/2023	Dr. Avinash Kharat, Director JSPM Group	1. Need to be NEP 2020 compliant. 2. PrPBL is good 3. Need to focus on experiential learning 4. Relevance with Po's and PSO's and lab outcome to be enhanced. 5. action taken report to be prepare on result analysis 6. Interdisciplinary labs to be develop.

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Design	Regular and weekly meeting are conducted with Academic mentor. All design faculty attend this online meeting every week.	Prof. Uday Athavankar, Retd prof from IDC, IITB Chief Mentor for MITAOE School of Design.	1. NEP based course structure finalised for 2,3 & 4th year of PD, CD & UX completed in the last month. 2. study of top 25 western design schools for updated course and new curriculum contents started.
E&TC	1. 17/01/2024	1. Dr.Kanmani Buddhi	1. The COs are revised as per the suggestions and aligned to corresponding POs. 2. Activities are also aligned with COs and POs. 3. Commonly assessed criteria for group work in the rubrics of project activity (40 marks) will be included in the next run

School	Date of Academic Audit conducted	Details of Auditors (Name and Organization)	Highlights of Academic Audit
Humanities and Engg. Sci.	31/01/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	CO assessment and review
Mechanical	1/03/2024	Dr Anand Bewoor, Cummins College of Engineering for Women's Dr Dinesh Kamble, VIIT, Pune	1.Top down approach should be used for OBE. 2. For 1 semester only one course should be delivered as Project based learning.. 3. Questions should have options so that student can have choice to attempt. 4. Effective use of ICT. 5. Appropriate action verbs shall be used for framing the questions for assignments and MSE/ESE examinations. https://drive.google.com/file/d/120q_mFWx1o9BmUTCxgvlns5-39R4c75l/view?usp=sharing

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure-IV

Details of Extension Activities conducted

School/Section	No. of Extension activities conducted	Details of extension activities
NSS	10	Ganesh Visarjan, Meri Mati Mera Desh, Swachta hi seva compaign , Tree plantation, Voter ID Registration, Traffic Awarness, Food distribution during Vari, Health camp, water distribution, Aids awarness
Computer	Muktangan Fund raiser & Visit	A fundraiser campaign hosted by School of Computer Engineering through student association(ASSCET) to help Muktangan Rehabilitation Center to fulfill the part of requirements and donate cash
Design	3	Celebrated Ganesh Utsav, Onam, Meri Mati Mera Desh
E&TC	Visit to Jagruti Andha Vidyalay Alandi	Food distribution, technical Problem solving and technical help
Humanities and Engg. Sci.	02	Food distribution, yoga and meditation for underprivileged kid's

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Annexure-V

strategic plan for quarter II: 2023-24

➢ Teaching-learning Process (2023-2024)

1	Teaching Learning Process 2023-2024	Target	COMP	SEE	MECH	CIVIL	CHEM	SHES	Outcome
1.1 Academic Framework									
1.1.1	Curriculum Flexibility (% of Credits)	25% Flexible	40	25	25	25	25	14	32 [51/163]
1.1.1	Curriculum Revision (% of Contents)	30% Revision	30	30	30	30	20	32	30
1.2 Industry Engagement									
1.2.1	Expert Talk (No.)	100 Session	03	03	10	7	10	03	36
1.2.1	Skill Courses (No.)	30 Courses	8	8	8	8	8	8	48
1.2.3	Laboratory Collaboration (No.)	4	2	1	1	1	0	0	5
1.3 Teaching Learning Centre									
1.3.1	Faculty Development Programs (No.)	7	01	4	1	1	1	0	8
1.3.2	Professional Courses (per faculty)	200	30	30	30	15	15	10	130
1.3.3	Assessment Reform (10% of Credits)	Min 16 Credits	16	16	16	16	16	16	10
1.3.4	Digital Content Creation (No. of Courses)	10 Course	1	1	10	2	8	0	20
1.3.5	Professional Certificate Courses	3	8	7	2	1	3	0	21

➢ Research and Consultancy

Key Performance	Target	2023-24 (Term-I)
Seed Money (No. of Projects/Amount)	2/Prg	In process
External Funding (No. of projects/amount)	2/Prg	3 Submitted
Publications (International Journals) (Scopus/SCI/WoS)	30	37
Publications (National Journals)	5	0
Publications (International Conferences)	80	24
Book Chapters	10	01
IPR (No. of Patents)	20	3 filed, 3 published, 4 granted
Engineering Consultancy	8	3,50,000
Design Consultancy	6	0

➢ Patents Granted

1. Title: Fuel Blender for Use in Gasoline Engine for Blending Ethanol and Gasoline Fuel.

Patent No.: 467725 (Application No.: 201721008392)

Date of Grant: 09th November 2023

Patentee: Dr. Prafulla Ratnakar Hatte

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

2. Title: System And Method For Forces Measurement In Combined Face And Shoulder Grinding Operation

Patent NO: 468239 (Application No: 201821027111)

Date of Grant : 10th November 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

3. Title: Mechanism For Removing Leaves And Thorns From Rose Flower Stem.

Patent No.: 440427(Application No.: 201921005801)

Date of Grant: 25th July 2023

Patentee: Dr. Prafulla Ratnakar Hatte

4. Title: Temperature Measurement Technique For Combined Face And Shoulder Grinding Operation

Patent NO: 451164 (Application No: 201721017212)

Date of Grant : 13th September 2023

Patentee : 1. Maya Madhukar Charde , 2. Namdeo Shankar Rashinkar

- **Research Audit**

Research Audit Concept Started:

Audit Focus: Individual & School Level Achievements related to:-

1. Research Publications
2. Research grants
3. Conference Papers
4. Book Chapters
5. IPRs
6. Consultancy

Audits Completed for:

1. School of Civil Engineering
2. School of Mechanical Engineering
3. School of Chemical Engineering
4. School of Computer Engineering

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

- **Student Support & Success**

Key Performance	Target 2023-24	Target 2023-24 (Quarter 1 & 2)	Achievement 2023-24 (Quarter 1 & 2)
Employability- Training programs	12	6	6
SIP(Industry) – No. of students	500	NA	NA
SIP – No. of industry offers	450	NA	NA
SLIP – No. of students	250	150	250
SLIP – No. of industry offers	100	70	54
Placement – No. of students	500	300	210
Placement – No. industry offers	360	260	87
Placement - Average Salary (in Lakhs)	5.8	5.8	6.14
Higher Studies – No. of students	45	30	09

- **Enhanced Student Experience**

Sl. No.	Objective	Target	Status
a	Technical-Participation (Nos.)	110	
b	Number of Technical competitions	110	31
c	Number of Technical achievements	35	45
d	Total number of students participation in various student events	1500	5644
e	Total number of students Achievements	60	50
f	Number of events /competitions to have participated	100	45

a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	100	50
c	National level technical event(No.)	2	0
d	Sports events(Nos.)	5	4
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0
b	Number of student	40	0

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

➢ Enhanced Alumni Engagements

Sr. No.	Enhanced Alumni engagement	Targets	Achieved
01	Alumni Activities	100	43
02	Alumni meet (school/institute level)	10	5
03	Alumni meet – Student involvement	1000	390
04	Alumni - Sponsorship (Nos.)	8	2
05	Alumni – Internship / placement offers	120	11
06	Distinguished Alumni / Recognition Appreciation	10 / 50	2 / 11

➢ People & welfare

Key Performance Indicators	Target	Status
Faculty Strength (no.)	177	181
Engineering (Faculty : Student ratio)	1:18	1:19
Design	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	65%
Employee Satisfaction (%)	75	50

➢ Social Media Connect

Objective
To Increase the Traffic on Website
To Increase the lead Generation
To reduce the overall cost per lead (CPL)
To Improve the number of admissions
To Improve the quality of Intake

Key Performance Indicators/Outcome	Target 23-24	Achievements 23-24
Website traffic projection (unique users per day)	1100	1200
Admission		
Engineering (%)	95	84.62
Design(%)	100	85.56
Increase quality leads	10000	11000
Sign up leads	1700	1568

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

➢ Entrepreneurship and Innovative Ecosystem

Entrepreneurial & Innovation Ecosystem	Target	Q1 Result	Q2 Result
IE Awareness and Promotional activities	12	6	10
Networking	6	4	6
Upskilling and Outreach program	6	3	3
Alumni engagement activities	4	2	2
Project to Product (P2P) Transformation Program	8	2	2
No of student startup	30	13 + 5	13+7
Infrastructure and facilities -Incubatee Seating space	25	0	0
Patents at MITAOE EDF	8	0	0
Crazy quilt with mentor, investor and channel partner	40	1	26

Action Taken:

1. **Planned visits to different incubators to learn new approaches to innovation and entrepreneurship and connect with mentors/ investors.**

➢ Campus & Services

Parameter	Target	Achievement
WIFI infrastructure	100	80
LMS concurrent user	3K+	3500
Internet Bandwidth	2GBPS	500 MBPS
ERP	100	50
LMS	100	100
Turnitin Plagiarism	1000	2500
METLAB Licenses	Standard + 60 Add-On + 70 Tool Box	Standard + 60 Add-On + 70 Tool Box

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

- **Sustainability**
  - Three year plan is prepared and budget is also allocated in each head.
  - Rs 15.25 Lakhs proposed budget has been allocated for 3 years plan (A.Y. 2024-25, 2025-26, 2026-27).
  - An awareness session has been planned for faculties and students for next 3 year plan.
  - The details of the budget under each head is mentioned below.

    Link: **https://docs.google.com/spreadsheets/d/1tro_NZh71jSu3Vvuo28Iw8Y6Po-zEWAf/edit?usp=sharing&ouid=101804389148389466877&rtpof=true&sd=true**
  - Proposed strategic planning for Implementing Eco-friendly Business Practices:

    Link:

    https://docs.google.com/document/d/1ipBGGUOAUOvSs9w6jqmW19IqSyOk-z-7/edit

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

MITAOE/DQA/F/04 Rev:00 Date: 01/01/2018

MIT | Academy of Engineering
(An Autonomous Institute)

Agenda of the Meeting

Alandi (D), Pune - 412 105

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC YEAR : 2023-2024
DATE : 22nd May 2024
MEETING NO. : IQAC/2023-24/03

IQAC meeting 3 for the academic year 2023-24 is scheduled on Wednesday, 22nd May 2024 at 11.30 am in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/02) and review on the action taken report.
2. To discuss the design and development of the curriculum (NEP Pattern).
3. To discuss the teaching-learning and evaluation process.
4. To discuss the R&D initiatives.
5. To discuss the T&P initiatives.
6. To discuss the student development initiatives
7. To discuss the entrepreneurship development cell initiatives
8. To discuss the status of the strategic plan for quarter III of 2023-24
    a. Teaching-leaning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
9. Any other point with permission of the chair

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D. Goudar** **IQAC – Chairman, Director**

Alandi (D.), Pune-412105

MIT Academy of Engineering (An Autonomous Institute)	**MINUTES OF THE MEETING**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**22nd May 2024**
	MEETING NO.	:	**IQAC/2023-24/03**

IQAC meeting 3 for the academic year 2023-24 is scheduled on Wednesday, 22nd May 2024 at 11.30 am in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/02) and review the action taken report.
2. To discuss the design and development of the curriculum (NEP Pattern).
3. To discuss the teaching-learning and evaluation process.
4. To discuss the R&D initiatives.
5. To discuss the T&P initiatives.
6. To discuss the student development initiatives
7. To discuss the entrepreneurship development cell initiatives
8. To discuss the status of the strategic plan for quarter III of 2023-24
    a. Teaching-leaning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
9. Any other point with the permission of the chair

MINUTES OF THE MEETING

The third meeting of IQAC for the academic year 2024 was held on 22th May 2024, at 11: 30 am in blended mode.

Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof.(Dr.) Shitalkumar Jain
2. Prof. (Dr.) Shyam Shukla
3. Prof. (Dr.) Rajeswari Goudar
4. Prof.(Dr.) Prafulla Hatte

	5. Mr. Shridhar Khandekar 6. Prof.(Dr.) Dipti Sakhare 7. Dr. Pramod Kothmire 8. Dr. Vaishali Wangikar 9. Dr. Sandeep Shewale 10. Mr. Pravin Pawar (Online) 11. Prof.(Dr.) Balasaheb Waphare (Online) 12. Mrs. Vandana Khandelwal 13. Dr. Suyogkumar Taralkar **Other Invitees** 14. Dr. Pritam Kalos 15. Mr. Sarvesh Shinde 16. Mrs. Saylee Bidwai 17. Mr. Peeyush Kumar 18. Dr. Pramod Kothmire 19. Mr. Vivek Chavan 20. Mr. Srushti Ghade **The leave of absence was granted to the following members** 21. Prof.(Dr.) Sunita Barve 22. Prof. Avinash Bhalerao **23.** Prof.(Dr.) Abhijeet Malge 24. Prof. Sunilkumar M.Bhagat 25. Prof.(Dr.) Anant Chakradeo 26. Mr. Girish Bora **27.** Dr. Arika Kotha 28. Mr. Anil Bhat
01	**To confirm the previous minutes of meetings and review the action taken report.** **Discussion and Resolution:** The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks. The previous minutes of the meeting (Meeting-2, 2023-24, March 04, 2024) and review on action taken report was discussed and confirmed by all members of IQAC.
02	**To discuss the design and development of the curriculum (NEP Pattern).** **Discussion and Resolution:** In absence of Dy. Director AR, Dr. Prafulla Hatte presented the design and development of the curriculum (NEP Pattern). Following points were discussed in detail. Credit distribution (168 credits), Curriculum Structure 2023 Revision, Curriculum Structure for 2023-2027, Curriculum Structure for 2022-2026, Curriculum Structure 2023 Revision: Horizontal

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

and Vertical Mobility, List of Programme Electives /Specialization Tracks (AY: 2024 -2025), List of Multidisciplinary Minor Tracks (AY: 2024 -2025), List of Open Electives (AY: 2024 -2025).
School Deans also presented details of a number of courses offered, No. of Courses focusing on employability/entrepreneurship/ skill development, No. of new courses introduced, No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Environment and Sustainability, and Human Values during the academic year 2023-24.
School Deans also presented details of Value-Added Courses completed and planned and curriculum Feedback by students, teachers, alumni, and industry during the academic year 2023-24.
It is decided that,

1. Each school should conduct different value-added courses for all the students and make sure that each student of the school takes benefit of same.
2. Feedback on curriculum is a continuous process and each school should collect, analyze, and take action on this feedback by stakeholders to upgrade the curriculum.

Details are given in Annexure –I

Responsibility: Dy. Director-AR, All School Deans

03

To discuss the teaching-learning and evaluation process.

Discussion and Resolution:
Various pedagogical practices and examination reforms implemented by various schools were also discussed.
It is decided that Each school has to ensure that various advanced pedagogical practices and examination reforms should be implemented to enhance the teaching-learning process.

Details are given in Annexure –II

Responsibility: All School Deans

04

To discuss the R&D initiatives

Discussion and Resolution:

Dean R&D presented the R&D initiatives and its impact on number of IPRs, Publication, and Industrial Consultancy.

The seed funding amount of Rs. 5,27,847/- is approved as stage –I out of total requested Rs. 23,13,181/- by the institute for various faculty projects was also discussed in detail.

It is discussed that maximum faculty members from each school can take benefit of seed funding scheme by submitting quality research proposals.

It is also decided that quality publication by faculty and students has to be increased.

Details are given in Annexure –III

Responsibility: Dean R&D, All School Deans

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

05	**To discuss the T&P initiatives** **Discussion and Resolution:** Deputy Director CR presented the T&P Status of Student Placement for Years 2023-24. 1. 292 students (2024 batch) have been placed through campus placement with an average package of 6.19 LPA. 2. 475 students (2024 batch) enrolled for the Semester Long Internship Program (SLIP) in Jan-Feb 2024 3. 169 (2024 batch) students have taken the advantage of Year Long Internship Program (YLIP) during the academic year 2023-24. 4. 60+ students (2024 batch) have been selected for SIP+YLIP since 01 May 2024 5. Phase - I training sessions started for the second batch of SUPER 30. 6. Product Audit - II (Technical PI + GD) conducted in April 2024 for TYBTECH students. 39 senior alumni supported the same. **Details are given in Annexure –IV** **Responsibility:** Dy. Director-CR
06	**To discuss the student development initiatives** **Discussion and Resolution:** Dean SA presented the Student Development Activities 1. Students are participating in various competions like Firodiya Karandak, various cultural competitions organized outside MITAOE. (2 Prizes - Dance Competitions), 2. Signed MOU with UinSports for conducting various State / National / International tournaments in collaboration. 3. MITAOE Conducted District Level Chess Tournament (200 Participants), 4. 1st International chess tournament is scheduled at MITAOE from 29 July - 4 August 2024. 5. Start creating Indoor Sports & GYM Facilities for students (In Process). It is decided that student's participation in various university, state and national level events has to be increased. **Responsibility:** Dean SA
07	**To discuss the entrepreneurship development cell initiatives** **Discussion and Resolution:** Head of ED Cell presented the Entrepreneurship development cell initiatives and activities (Quarter-III) 2023-24. 1. Organized Global Entrepreneurship Catalyst Symposium (Oct 2023) 2. A competition is organized for students (Jan 2024) to transform projects to products: 3 groups are awarded with seed funds and registered as incubatee in MITAoE EDF 3. Best performing student volunteers (e-cell and IIC members) of the symposium and P2P competition are rewarded by offering IUCEE course on Entrepreneurship

	4. MOUs signed: 2 (AmpliNxt and Avantika University) 5. Updated marks in the Appraisal form of Faculty: Newly added 5 marks for becoming mentor to startups + 20 marks allocated for registering faculty startup 6. Framed strategies for implementing IIC activities to improve ranking 7. Delivered sessions for outreach: IP awareness and incubation to other institutes, entrepreneurship awareness session for Women organization, etc. 8. MOTAoE EDF website restructured for better engagement- in progress **Details are given in Annexure –V** **Responsibility:** Head - ED Cell
08	**To discuss the status of the strategic plan for quarter III of 2023-24** **Discussion and Resolution:** Dy. Directors, Deans and in-charges presented the status of the strategic plan for quarter III: 2023-24. **Details are given in Annexure –VI** **Responsibility:** Dy. Director-AC, Dy. Director-CR, Registrar, School Deans, All Deans, Alumni Coordinator, Head Admission & Marketing, HR Manager, System Administrator, Head ED Cell
09	**Any other point with the permission of the Chair.** The IQAC Coordinator informed all members that the IQAC office is submitting AQAR for the academic year 2022-23. IQAC Coordinator & Dean QA proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

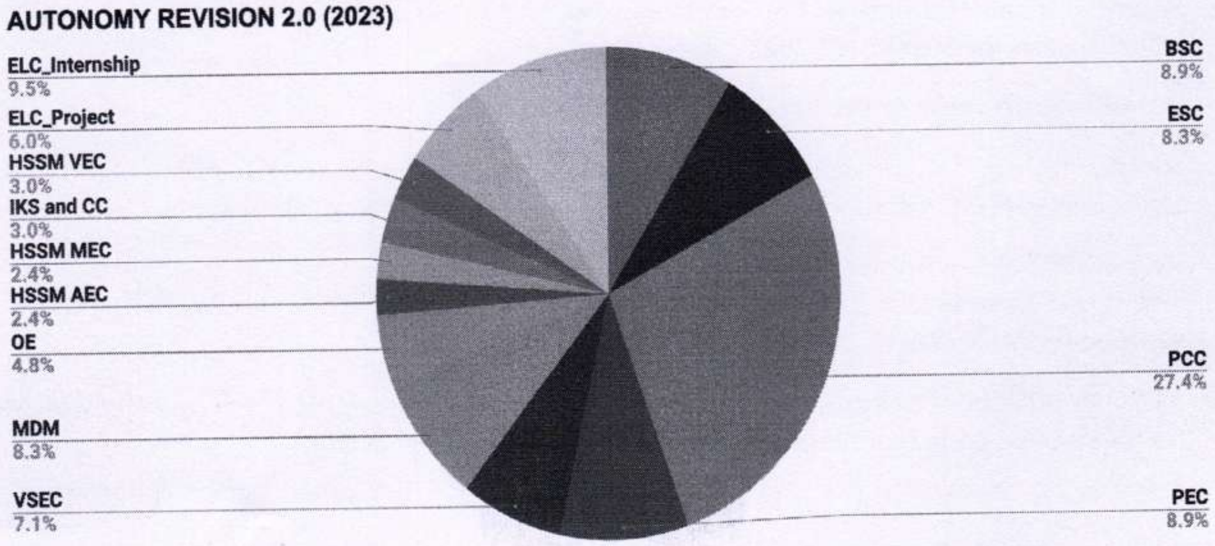
IQAC Coordinator	IQAC Chairman
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune- 412105

Annexure –I

Design and development of the curriculum

CREDIT DISTRIBUTION (168 Credits)



Curriculum Structure 2023 Revision: Our Approach

1. Program Core from First Year with Interdisciplinary coherence (PCC+BSC+ESC=75 Credits)
2. Increased Program Elective Courses - Specialization Years TY and B.Tech: 15 Credits
3. Technical Skills up to Third Year : 6 Courses of 12 Credits
4. Open Electives SY: Proto, Appl. Maths/Quantum Computing 6 Credits
5. Open Electives B.Tech: Professional Certification 2 Credits
6. Management and Entrepreneurship: 4 Credits
7. Environment, Sustainability and Human Values: 5 Credits
8. Ability Enhancement - English and Employability Career Development : 4 Credits
9. Indian Knowledge System, Liberal Learning and Creative Technologies: 5 Credits
10. Project: 10 Credits
11. Internship: 16 Credits (SIP=2+2+4, SLIP=8)
12. Multi-Disciplinary Minor: 14 Credits

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

CATEGORY OF COURSES	AICTE		AUTONOMY REVISION 0.0 (2016)			AUTONOMY REVISION 1.0 (2019)			AUTONOMY REVISION 2.0 (2022)			AUTONOMY NEP REVISION 2.0 (2023)			NEP	
	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Credits	% of Credits
BSC	26	16.3	4	18	11.0	5	20	12.5	4	16	10	4	15	9	16	9.5
ESC	29	18.1	4	16	9.8	8	26	16.25	6	20	12	5	14	8	14	8.3
Prof. Common	-	-	5	19	11.6	-	-	-	0	0	0	0	0	0		0.0
PCC	47	29.4	12	48	29.3	14	54	33.75	13	49	29	13	46	27	48	28.6
PEC	23	14.4	2	6	3.7	2	6	3.75	4	15	9	4	15	9	20	11.9
VSEC	-	-	5	10	6.1	6	12	7.5	5	10	6	6	12	7	8	4.8
MDM	11	6.9	4	16	9.8	3	12	7.5	5	15	9	5	14	8	14	8.3
OE									3	8	5	3	8	5	8	4.8
HSSM AEC	12	7.5	9	17	10.4	6	12	7.5	3	4	2	2	4	2	4	2.4
HSSM MEC									1	2	1	2	4	2	4	2.4
IKS and CC									0	0	0	3	5	3	6	3.6
HSSM VEC									2	5	3	2	5	3	4	2.4
ELC_Project	12	7.5	4	10	6.1	6	14	8.75	6	10	6	6	10	6	10	6.0
ELC_Internship			1	4	2.4	1	4	2.5	3	14	8	4	16	10	12	7.1
Audit Courses	4	0.0	1	0	0.0	5	0	0	3	0	0	1	0	0	0	0.0
Total	**164**	**100.0**	**51**	**164**	**100.0**	**56**	**160**	**100**	**58**	**168**	**100**	**60**	**168**	**100**	**168**	**100.0**

Curriculum Structure for 2023-2027 (168)

CATEGORY	I		II		III		IV		V		VI		VII		VIII		NEP AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credit
BSC	2	8	2	7													4	15	9
ESC	3	8	2	6													5	14	8
PCC			1	2	3	10	3	10	2	8	2	8	1	4	1	4	13	46	27
PEC									1	4	1	4	1	4	1	3	4	15	9
VSEC	1	2	1	2	1	2	1	2	1	2	1	2					6	12	7
MDM							1	3	1	3	1	3	1	2	1	3	5	14	8
OE					1	2	1	4							1	2	3	8	5
HSSM AEC			1	2							1	2					2	4	2
HSSM MEC					1	2							1	2			2	4	2
IKS and CC	2	3	1	2													3	5	3
HSSM VEC					1	3	1	2									2	5	3
ELC_Project					1	1	1	1	1	2	1	2	2	4			6	10	6
ELC_Internship					1	2			1	2			1	4	1	8	4	16	10
Audit Courses							1	0									1	0	0
Total	**8**	**21**	**8**	**21**	**9**	**22**	**9**	**22**	**7**	**21**	**7**	**21**	**7**	**20**	**5**	**20**	**60**	**168**	**100**

Alandi(D.), Pune-412105

Curriculum Structure for 2022-2026

CATEGORY OF COURSES	I		II		III		IV		V		VI		VII		VIII		AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credits
BSC	2	8	2	8													4	16	10
ESC	3	11	3	9													6	20	12
PCC					3	12	3	10	2	8	2	8	2	7	1	4	13	49	29
PEC									1	4	1	4	1	4	1	3	4	15	9
VSEC			1	2	1	2	1	2	1	2	1	2					5	10	6
MDM					1	4			1	3	1	3	1	2	1	3	5	15	9
OE							2	6							1	2	3	8	5
HSSM AEC	1	1	1	1							1	2					3	4	2
HSSM MEC													1	2			1	2	1
IKS and CC																	0	0	0
HSSM VEC					1	3	1	2									2	5	3
ELC_Project					1	1	1	1	1	2	1	2	2	4			6	10	6
ELC_Internship									1	2			1	4	1	8	3	14	8
Audit Courses	1	0	1	0			1	0									3	0	0
Total	7	20	8	20	7	22	9	21	7	21	7	21	8	23	5	20	58	168	100

Curriculum Structure 2023 Revision: Horizontal and Vertical Mobility

Level	Qualification Title	Credits	Sem	Year	Our Proposal
4.5	One Year UG Certificate in Engg./Tech.	40-44	2	1	42 Credits
5.0	Two Years UG Diploma in Engg./Tech.	80-88	4	2	86 Credits
5.5	Three Year Bachelor's of Vocation(B.Voc) or B.Sc. (Engg./Tech)	120-132	6	3	128 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech. with Multidisciplinary Minor	160-176	8	4	168 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Honors and Multidisciplinary Minor	180-194	8	4	168 + 18 = 186 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Honors with Research and Multidisciplinary Minor	180-194	8	4	168 + 18 = 186 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Major Engg. Discipline with Double Minors (Multidisciplinary and Specialization Minors)	180-194	8	4	168 + 18 = 186 Credits

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

PROVISION OF HONORS AND DOUBLE MINOR

CATEGORY	I		II		III		IV		V		VI		VII		VIII		NEP AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credit
Honors Specialization Courses									2	5	2	5	2	5	1	3	7	18	186
Honors Research									2	5	2	5	2	5	1	3	7	18	186
Double Minor							1	3	1	4	1	4	1	4	1	3	5	18	186

List of Programme Electives /Specialization Tracks (AY: 2024 -2025)

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Computer Engineering (Software Engineering)	Data Analytics	Predictive Analytics	Big Data Analytics	SWAYAM Course
	Artificial Intelligence & Machine Learning	Deep Learning	Generative AI Applications	SWAYAM Course
	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native Devops	SWAYAM Course
	Cryptography and Information Security	Cyber Security Forensics	Ethical Hacking & Cyber Laws	SWAYAM Course
Electronics and Telecommunication Engineering	Embedded Systems for IoT (with Arduino, ESP, and Raspberry Pi)	Introduction to Security of Cyber Physical Systems	Ubiquitous Sensing, Computing and Communication	SWAYAM Course
	EV architecture and Vehicle Dynamics	EV Power Electronics	Battery Technology and EV charging ecosystem.	SWAYAM Course
	Basics of Health care	Healthcare informatics	AI in Healthcare	SWAYAM Course

MIT ACADEMY OF ENGINEERING Alandi (D), Pune-412105

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Chemical Engineering	Chemical Process Technology	Biochemical Engineering	Process Design Principles	Chemical Process Safety
	Membrane Technology	Environmental Engineering	Bioprocess Technology	Aspen Plus: Simulation Software
	Food Technology	Petroleum Refining Technology	Petrochemical Engineering	Hydrogen Energy: Production, Storage, Transportation, Safety
Civil Engineering	Design of Steel Structures	Contracts Management	Advanced Construction Techniques	Building Services
	Hydrology and Irrigation Engineering	Solid and Industrial Waste Management	Environmental Planning & Impact	Air and Noise Pollution
	Construction Engineering & Management	Formwork Design	Railway Engineering	Foundation Engineering

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Mechanical Engineering	Finite Element Analysis	Computational Fluid Dynamics	Advanced Computational Fluid Dynamics	SWAYAM Course
	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
	Automobile System Design	Vehicle Dynamics	Autotronics and E Vehicles	SWAYAM Course
Bachelor of Design	Products for emerging market	Technically Complex product/appliances		
	Products for special needs	Smart product Design/Phygital	Speculative product design in different domain/specialisation	
		Furniture design		

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

List of Multidisciplinary Minor Tracks (AY: 2024 -2025)

Name of the Programme	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Business Administration	Principle and Practices of Management	Organizational Behavior	Production and Operation Management	Cross Cultural Communication	Micro and Macro Economics
Management	Logistics and Warehouse Management	Big Data Analytics for SCM	Project Management	Lean Management and Theory of Constraints	SWAYAM
Entrepreneurship	Engineering Informatics	Foundational Course in Entrepreneurship	Advanced Course in Entrepreneurship	Startup and Incubation	SWAYAM
Computer Engineering	Engineering Informatics	Data Analytics	Artificial Intelligence Machine Learning	Deep Learning	Big Data Analytics/ SWAYAM Course
	Engineering Informatics	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native DevOps	Cloud Services/ SWAYAM Course
Civil Engineering	Material Engineering	Smart Cities	Sustainable Engineering	Environmental Planning & Impact Assessment	CVSWAYAM 01
Chemical Engineering	Material Engineering (T+L) (3+1)	Process Engineering (T+L) (3+1)	Process Modeling and Simulation (T+L) (3+1)	Process Intensification and Integration (T+L) (3+1)	CHSWAYAM 01
		Energy Engineering (T+L) (3+1)	Energy Modeling and Simulation (T+L) (3+1)	Energy Management and Audit (T+L) (3+1)	CHSWAYAM 02
Computer Engineering (Software Engineering)	Engineering Informatics	Data Analytics	Artificial Intelligence Machine Learning	Deep Learning	Big Data Analytics/ SWAYAM Course
	Engineering Informatics	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native DevOps	Cloud Services/ SWAYAM Course
Electronics and Telecommunication Engineering	Engineering Informatics	Electronics System Design	VLSI Design	ASIC Design	System on Chip
Electronics Engineering	Engineering Informatics	Electronics System Design	VLSI Design	ASIC Design	System on Chip
Mechanical Engineering	Engineering Informatics	Computer Aided Product Design	Mechanical Simulations	Industrial Automation & Control Systems	Project
	Engineering Informatics	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
Bachelor of Design	Intro to UI UX				
	Photography				

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

List of Open Electives (AY: 2024 -2025)

Name of the Programme	Semester III	Semester IV	Semester VIII
Mathematics identified Courses	Applied Mathematics(4)	Applied Mathematics(4)	
Physics identified Courses	Foundation of Quantum computing (4)	Foundation of Quantum computing (4)	
Chemical Engineering identified Courses			
Bachelor of Design identified Courses	Prototyping (2)	Prototyping (2)	
Mechanical Engineering identified Courses	Corporate Valuation	Banking and Financial Services	Siemens(Product Life Cycle Management)
Civil Engineering identified Courses	Corporate Valuation	Banking and Financial Services	Professional Certification (2)
Computer Engineering identified Courses	Business Management and information System (4)	Economics(2)	Professional Certification (2)
Computer Engineering (Software Engineering)	Business Management and information System (4)	Economics(2)	Professional Certification (2)
Electronics and Telecommunication Engineering identified Courses	Engineering Informatics (For BDes)	Introduction to IoT (BDes)	CISCO Networking
Electronics Engineering identified Courses	Engineering Informatics (For BDes)	Introduction to IoT (BDes)	CISCO Networking

2.a: Details of courses (2023-24)

School/ Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
Chemical	52 (UG-SY to BTech Including NPTEL)	52 employability courses 1 ED Skills 2- ECD & Professional Skills 5- Minor and Major Project	2 labs: DACE and CACE 3: NPTEL Courses Total: 5	4 (1- Env Sci, 2_ECD,3-UHV, 4- Prof Skill)
Computer	57(UG-SY to BTech Including NPTEL) Mtech	8 Skill courses 1 ED Skills 2- ECD /professional courses 3 Minor , Major and capstone Project	1 Fundamentals of Linux programming 2. Data Visualization 3. Problem solving Core java 4. Problem solving using C++	4 (1- Env Sci, 2_ECD, 3-UHV, 4- Prof Skill)

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School /Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
Civil	70 (UG-FY to B. Tech.)	70 Employability 8 Skill courses 1 ED Skills 2 - ECD/Professional Skills 6 - Minor,Major and Capstone Project	1. Basics of Civil Engineering 2. Surveying and Geomatics 3. Computer aided engineering drawing 4. Creative Technologies 5. Essentials of data science 6. IKS (Architecture and town planning) 7. Material Engineering 8. Data Science 9. UHV II 10. Environmental Science (Audit to Credit)	Professional Ethics (6) - ECD, Psychology, Eng. Economics, UHV I, UHV II, Indian Constitution Gender (3) - UHV I, UHV II, Indian Constitution Human Values (2) - UHV I, UHV II Environment and Sustainability (4)- Environmental Science, Solid waste Management, Unit operation for liquid waste / Effluent treatment, EIACC.
E&TC	54(UG-SY to BTech Including SWAYAM NPTEL)	54 employability l courses 1 ED Skills 2- ECD & Professional Skills 6- Minor and Major Project 2-Internships	1.Electronics workshop 2. Logic sensing and actuation 3.Integrating sensors and actuators 4.ARM based embedded Design 5.Creative Technologies 6.IKS(Vedc mathematics)	4(Env Sci, ECD,UHV, Prof Skill)
Design	80 (PD,CD & UX)	15	9	4
SESH	7	2	1(UHV II)	2(UHV, Psychology)
Mechanical	73(UG)+15(PG)= 88 Including NPTEL,Discipline Elective Courses	88 Employbility Courses 5 Skill courses 1 ED Skills 2- ECD/Professional Skills 5- Minor and Major Project(UG) 2- Internship(UG) 3 - Projects(PG) 1 - Internship(PG) 10 Discipline Elective 6 NPTEL SWAYAM 53- Core Courses & Foundation Courses	1. FAB Lab 2. Indian Knowledge System 3. Problem Solving by OOPS C++ 4. Digital Twin 5. Data Structures 6. Generative Design 7. CAD for Engineers	Professional Ethics-02(ECD, Professional Skills) Gender- 0 Human Values- 02(Universal Human Values I & II) Environment and Sustainability- 02(Environmental Science, Sustainable Design)

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune- 412105

2.b: Details of Value-Added Courses (Term-II, 2023-24)

School/Department	Name of the Value added courses	Duration (Hrs)	No. of students benefited	Status of courses (Completed/ ongoing)
Chemical	**SY**:Environmental Management Systems and Energy Management Systems	32	70	Completed
	TY: Computational fluid dynamics in chemical engg	40	68	Planned
	B.Tech : Prosimulator	40	33	Planned
Computer	Social media and security	120	120	Completed
	Sustainable Engineering Development	120	120	
	New business Prospective and personality development	80	80	Planned
	Generative AI	80	80	Planned
	Employability/hiring & Life skill development	80	80	Planned
Civil	Essential Life Skills for Civil Engineering Professionals	40	60	Planned
E&TC	Cyber secure India	40	200	planned
Mechanical	Supply Chain Management	200	30	On Going
	Sustainable Design by using CAD modelling	40	30	Planned
	Organisational Behaviour	40	150	Planned
Design	NIl			
SESH	Digital Engineering	30	770	completed

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

2.c: Curriculum Feedback (2023-24)

School/ Department	Feedback by Students	Feedback by Teachers	Feedback by Alumni	Feedback by Industry
Chemical	•Put courses to AI, ML and other digital advancements in Particular discipline Good curriculum for existing batch	Core subject may be increased & emphasis should be on core subjects	•New and relevant topics such as climate change, supply chain management, modeling and simulation using software tools, etc., should be included in academic curricula. •Process safety related subjects need to include in the syllabus	•New and relevant topics such as climate change, supply chain management, modeling and simulation using software tools, etc., should be included in academic curricula.
Computer	Overall good curriculum structure for current batch	Number of core courses to be increased	Overall curriculum is good and flexible Hybrid mode of course delivery (At least one day)	Overall curriculum is good. RestAPI can be included into curriculum. MDM courses from other departments need to be made available as per industry needs
Civil	Enhanced Industry interaction, Placement in Core Companies,	Inclusion of more core courses.	Add more skill courses in curriculum, add the latest equipments in the laboratory.	Include Emerging Trends courses related to civil engineering industry.
E&TC	Core placements to be enhanced	More core courses	Core concepts to be enhanced,	Inclusion of Skill courses like web technology
Mechanical	Enhanced Industry interaction	Inclusion of more core courses.	Need to strengthen Fundamental Knowledge , Including software courses	Include Emerging Technology related courses. Thrust on Communication skills

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

School/Department	Feedback by Students	Feedback by Teachers	Feedback by Alumni	Feedback by Industry
Design	Course contents & preparation by faculties - Above Average to Very Good.	In some cases, Insufficient time for preparing courses contents, and materials available for labs.	NA	Some of the projects should insist on Practical implementation.
SESH	Very good	Very Good	Aligned with current needs	Included all skills

Annexure –II

Teaching-learning and evaluation process

School/Department	Pedagogical initiatives	Examination Reforms
Chemical	Project Based learning: Mini mature Event, Model making event, problem based learning, Experiential Learning: Industrial Visit, Poster presentation, Joyful Learning	Yes, Course: Chemical process Technology Type: Project Based Learning Simulation studies of manufacturing processes
Computer	Problem Based Learning, Project Based Learning. Collaborative learning, Experiential Learning	TY course: Software Engineering TY course: Deep Learning
Civil	Project Based Learning, Problem Based Learning. Collaborative learning, Experiential Learning	Nil
E&TC	Teaching reforms in the courses like EM	Yes Course: Type: Project Based Learning Simulation studies in mathematical models in Electromagnetic Engineering
Mechanical	Project Based Learning, Problem Based Learning. Collaborative learning, Experiential Learning	Project Based Learning- Heat Transfer, Refrigeration and Air Conditioning, Sustainable Design
Design	Emphasis on Creating variety of concepts, Divergent thinking in output.	Jury focusing on only project based courses, for better inputs from Jury members.
SESH		

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

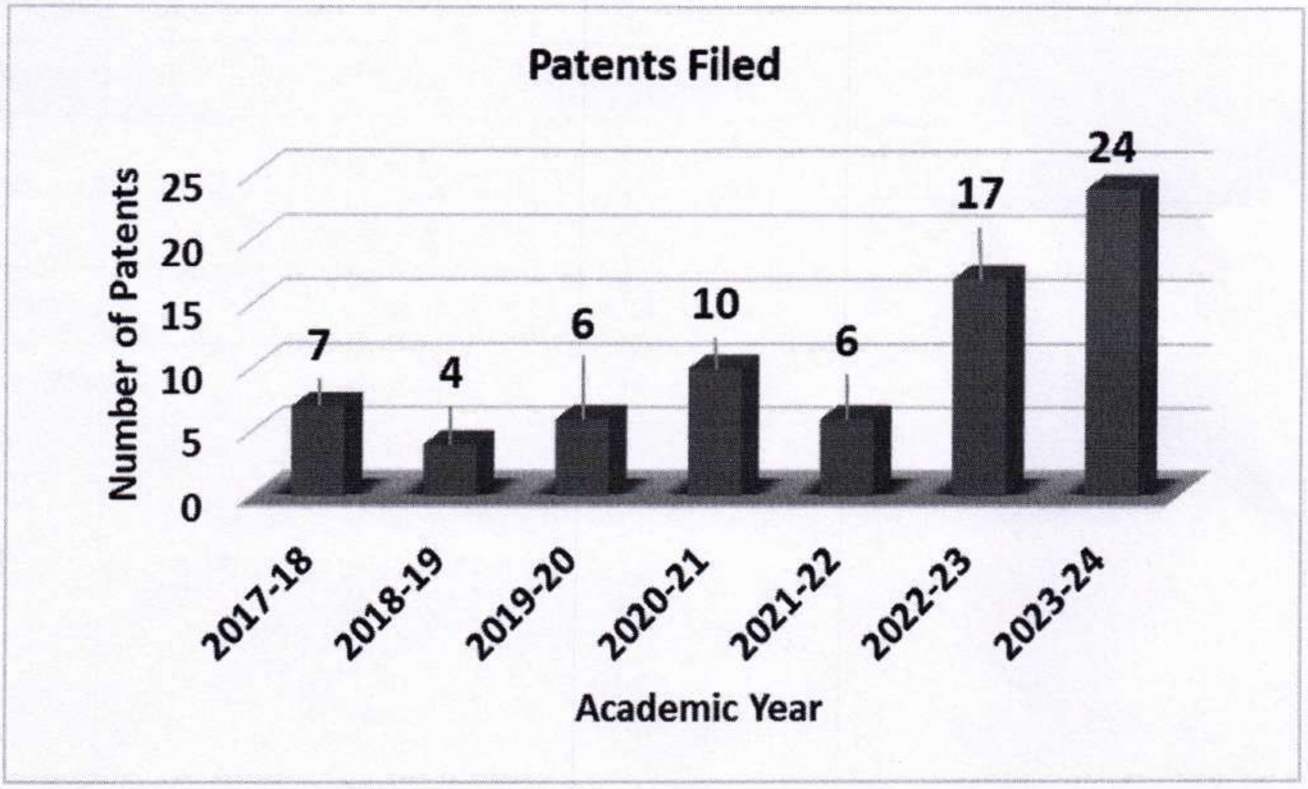
Annexure –III

R&D initiatives

- **World IPR Day** celebrated with filing 65 IPRs on 26 April 2024
    - **Design: 43 IPRs**

  (Industrial Designs: 12, Copyrights: 14, Trademarks: 17)
    - **Engineering: 22 Patents**

  (Mechanical:7, Chemical:4, Computer:3, E&TC:6, Civil:2)
- **Research Publications**
    - Journal Papers:49, Conference Papers:47, Book Chapters:02



MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Industrial Consultancy

Sr. No.	School	Name of the Industry	Sanctioned Consultancy Amount (Rs.)	Amount received till 30th April 2024 (Rs.)
1	Mechanical	USDC/ IGW	3,50,000	70,400
2	Mechanical	Havi Engineering	10,000	10,000
3	Civil	M/s Siddhi Consulting Engineers Pvt. Ltd.	3,50,000	87,500
4	Chemical	Tambe Enterprises	53,000	53,000
Total			7,63,000	2,20,900

Status of Seed Funding Sanctioned

Sr. No.	School	No of Projects	Seed Funding Requested	Seed Funding Recommended–Stage- 1
1	E&TC	7	2,30,231.00	1,04,847.00
2	MECHANICAL	10	10,91,950.00	2,92,000.00
3	CHEMICAL	5	3,61,000.00	81,000.00
4	CIVIL	2	6,30,000.00	50,000.00
	Total	**24**	**23,13,181.00**	**5,27,847.00**

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –IV

T&P initiatives

- **292 students (2024 batch)** have been placed through campus placement with average package **6.19 LPA**
- **475 students (2024 batch)** enrolled for Semester Long Internship Program (SLIP) in Jan-Feb 2024
- **169 (2024 batch)** students have taken the advantage of Year Long Internship Program (YLIP) during academic year 2023-24.
- **60+ students (2024 batch)** are selected for SIP+YLIP since 01 May 2024
- Phase - I training sessions started for second batch of **SUPER 30**.
- Product Audit - II (Technical PI + GD) conducted in April 2024 for TYBTECH students. **39 senior alumni** supported for the same.

Annexure –V

Entrepreneurship development cell initiatives

- Organised Global Entrepreneurship Catalyst Symposium (Oct 2023)
- A competition is organised for students (Jan 2024) to transform projects to products: 3 groups are awarded with seed funds and registered as incubatee in MITAoE EDF
- Best performing student volunteers(e-cell and IIC members) of the symposium and P2P competition are rewarded by offering IUCEE course on Entrepreneurship
- MOUs signed: 2 (AmpliNxt and Avantika University)
- Updated marks in the Appraisal form of Faculty: Newly added 5 marks for becoming mentor to startups + 20 marks allocated for registering faculty startup
- Framed strategies for implementing IIC activities to improve ranking
- Delivered sessions for outreach: IP awareness and incubation to other institutes, entrepreneurship awareness session for Women organisation, etc.
- MOTAoE EDF website restructured for better engagement- in progress

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

Annexure –VI

Strategic Plan (Quarter-III) 2023-24

a. Teaching-learning Process

1	Teaching Learning Process 2023-2024	Target	Outcome
1.1 Academic Framework			
1.1.1	Curriculum Flexibility (% of Credits)	25% Flexible	32 [51/163]
1.1.1	Curriculum Revision (% of Contents)	30% Revision	30
1.2 Industry Engagement			
1.2.1	Expert Talk (No.)	100 Session	60
1.2.1	Skill Courses (No.)	30 Courses	48
1.2.3	Laboratory Collaboration (No.)	4	5
1.3 Teaching Learning Centre			
1.3.1	Faculty Development Programs (No.)	7	12
1.3.2	Professional Courses (per faculty)	200	139
1.3.3	Assessment Reform (10% of Credits)	Min 16 Credits	10% (7 courses)
1.3.4	Digital Content Creation (No. of Courses)	10 Course	13
1.3.5	Professional Certificate Courses	3	21

b. Research and Consultancy

	Target	Achieved
Journal Papers	35	49
Conference Papers	80	47
Book Chapters	10	02
Patents filed	20	24
External Funding	2 per program	NIL
Engg Consultancy	8	4
Design Consultancy	6	NIL
Seed Money	2 per program (12 Nos)	23 Nos

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

C. Student Support & Success

Sr.No.	PARTICULARS	Targets 2023-24	Targets Quarter I, II & III	Achieved Quarter I, II & III
3.1	Employability- Training programs	12	10	9
3.2	SIP(Industry) – No. of students	500	500	708
3.3	SIP – No. of industry offers	450	450	247
3.4	SLIP – No. of students	250	250	475
3.5	SLIP – No. of industry offers	100	100	160
3.6	Placement – No. of students	500	400	293
3.7	Placement – No. industry offers	360	280	219
3.8	Placement - Average Salary (in Lakhs)	5.8	5.8	6.19
3.9	Higher Studies – No. of students	60	60	12

d. Enhanced Student Experience

Sr.No.	PARTICULARS	Targets 2023-24	Status
a	Technical-Participation (Nos.)		
b	Number of Technical competitions	110	45
c	Number of Technical achievements	35	50
d	Total number of students participation in various student events	1500	5800+
e	Total number of students Achievements	60	62
f	Number of events /competitions to have participated	100	60
a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	50	55
c	National level technical event(No.)	2	2
d	Sports events(Nos.)	5	17
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0
B	No of students involved	40	0

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

e. Enhanced Alumni Engagements

Sr.No.	PARTICULARS	Targets 2023-24	Targets Quarter I, II & III	Achieved Quarter I, II & III
5.1	Alumni activities	80	60	53
5.2	Alumni meet (school/institute level)	8	6	6
5.3	Alumni meet – Student involvement	800	600	450
5.4	Alumni - Sponsorship (Nos.)	7	5	4
5.5	Alumni – Internship / placement offers	80	60	58
5.6	Distinguished Alumni / Recognition Appreciation	7/40	5/30	9/22

f. People & welfare

Key Performance Indicators	Target	Quarter-III Status
Faculty Strength (no.)	177	205 (Including Industry faculty)
Engineering (Faculty : Student ratio)	1:18	1:17
Design (Faculty : Student ratio)	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	60%
Employee Satisfaction (%)	75	To be conducted next academic term

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

g. Social Media Connect

Social Post Activities		
Sr no.	**Types of Social Content**	**Content live on Socials.**
1	Infrainfrastucture	4
2	Student Testimonial	8
3	Dean and Professors testimonials	11
4	Events	41
5	campus video	3
6	library	1
7	placements	1
8	Website	2
9	Stories	206
10	Scicon video	1
11	Ragging prohibited video	1
12	Daily Social posts till now	117

h. Entrepreneurship and Innovative Ecosystem

8	Entrepreneurial & Innovation Ecosystem	Target	3rd Qtr
8.1	IE Awareness and Promotional activities	12	12(2)
8.2	Networking	6	8(2)
8.3	Upskilling and Outreach program	6	5(2)
8.4	Alumni engagement activities	4	3(1)
8.5	Project to Product (P2P)Transformation Program	8	3(1)
8.6	No of student startup	30	17+ 11(SISF)
8.7	Infrastructure and facilities-Incubatee Seating space	25	0
8.8	Patents at MITAOE EDF	8	1(1)
8.9	Crazy quilt with mentor, investor and channel partner	40	31(5)

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

i. Campus & Services

1] Existing 500 Mbps Lease line -

Upgrading the Internet Lease line Connectivity upto 1 Gbps and further to 2 Gbps in progress. Upgradation of Base Network Infrastructure is in process.

2] Strengthening WIFI Campus coverage is in process. Parallel WIFI Network Connectivity.

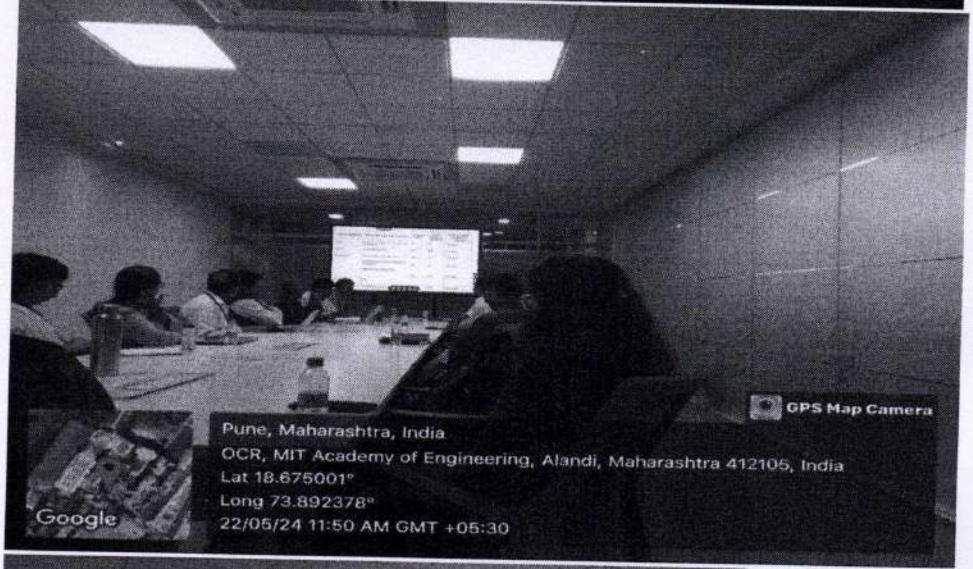
3] Campus CCTV Surveillance is in process.

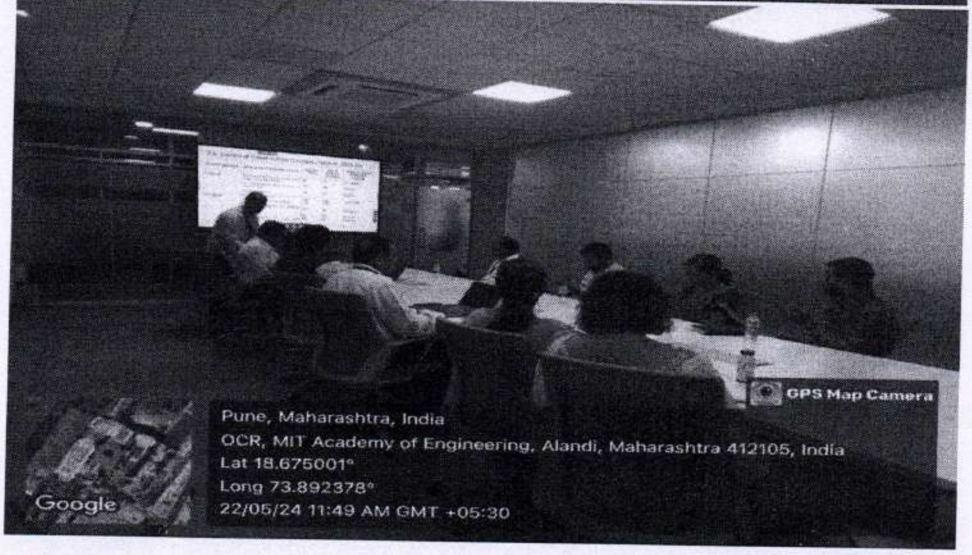
j. Sustainability

S.No.	PARTICULARS	2023-24					
10	**Sustainability**	**Target Set**	**1st Qtr**	**2nd Qtr**	**3rd Qtr**	**4th Qtr**	**Target Achieved**
10.1	Transport Pollution Carbon Footprint Reduction (%)	**15**	9	10	12	15	**15**
10.2	**Energy**						
10.2.1	Reduction in Energy Consumption	**17**	10	12	14	17	**17**
10.2.2	Solar Energy (% of variance) - present total is 80%	**45%**	-	-	-	45	**45%**
10.3	**Water**						
10.3.1	Water Consumption (Reduction %)	**45%**	35	40	45	45	**45%**
10.3.2	Rain water harvesting (Nos)	**1**	-	-	-	1	**1**
10.4	**Plastic**						
10.4.1	Bottles purchased (Reduction %)	**80**	60	70	75	80	**80**
10.5	**Paper**						
10.5.1	Paper printing (reduction %)	**50**	45	-	-	50	**50**
10.5.2	Paper recycling (increase %)	**30**	-	25	-	30	**30**
10.6	**Waste**						
10.6.1	Food waste (reduction %)	**40**	-	30	35	40	**40**
10.6.2	Vermi Compost (increase %)	**30**	-	25	-	30	**30**
10.7	**Green Campus**						
10.7.1	Land Scaping (increase %)	**30**	-	-	-	-	**30**
10.7.2	Maintenance(reduction %)	**30**	-	25	-	30	**30**
10.7.3	Home-grown organic produce	**20**	-	-	-	20	**20**
10.8	**Awareness and Training Sessions per year**						
10.8.1	Students	**12**	-	11	-	12	**12**
10.8.2	Employees	**2**	-	1	-	1	**2**

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 12:35 PM GMT +05:30

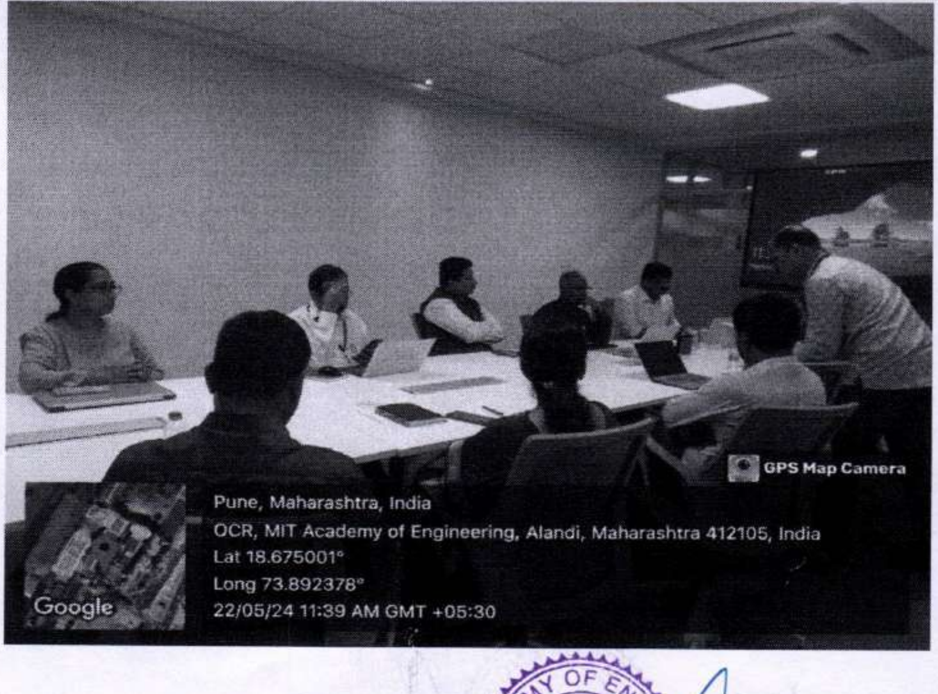

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:50 AM GMT +05:30


GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:49 AM GMT +05:30

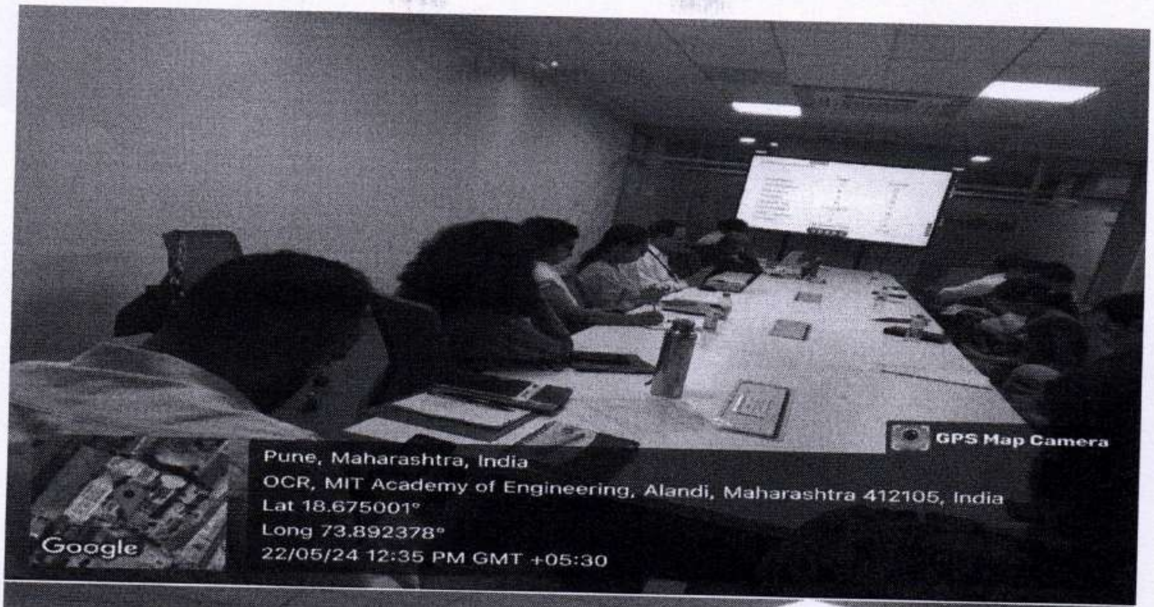
MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune- 412105

GPS Map Camera
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:39 AM GMT +05:30
Google

GPS Map Camera
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:39 AM GMT +05:30
Google


GPS Map Camera
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:39 AM GMT +05:30
Google

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

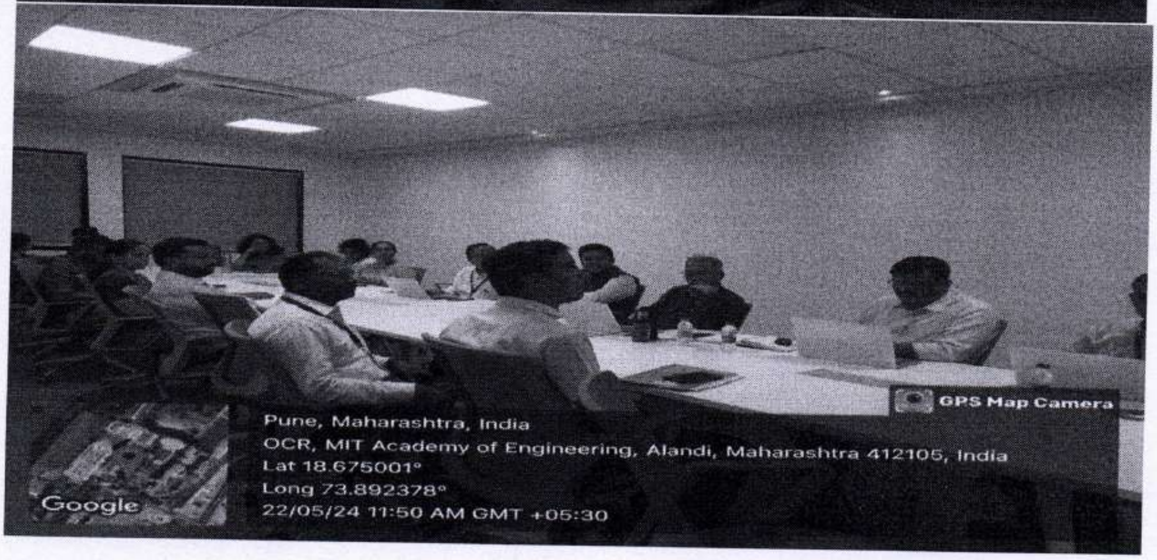


GPS Map Camera

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 12:35 PM GMT +05:30

GPS Map Camera

Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:40 AM GMT +05:30



GPS Map Camera

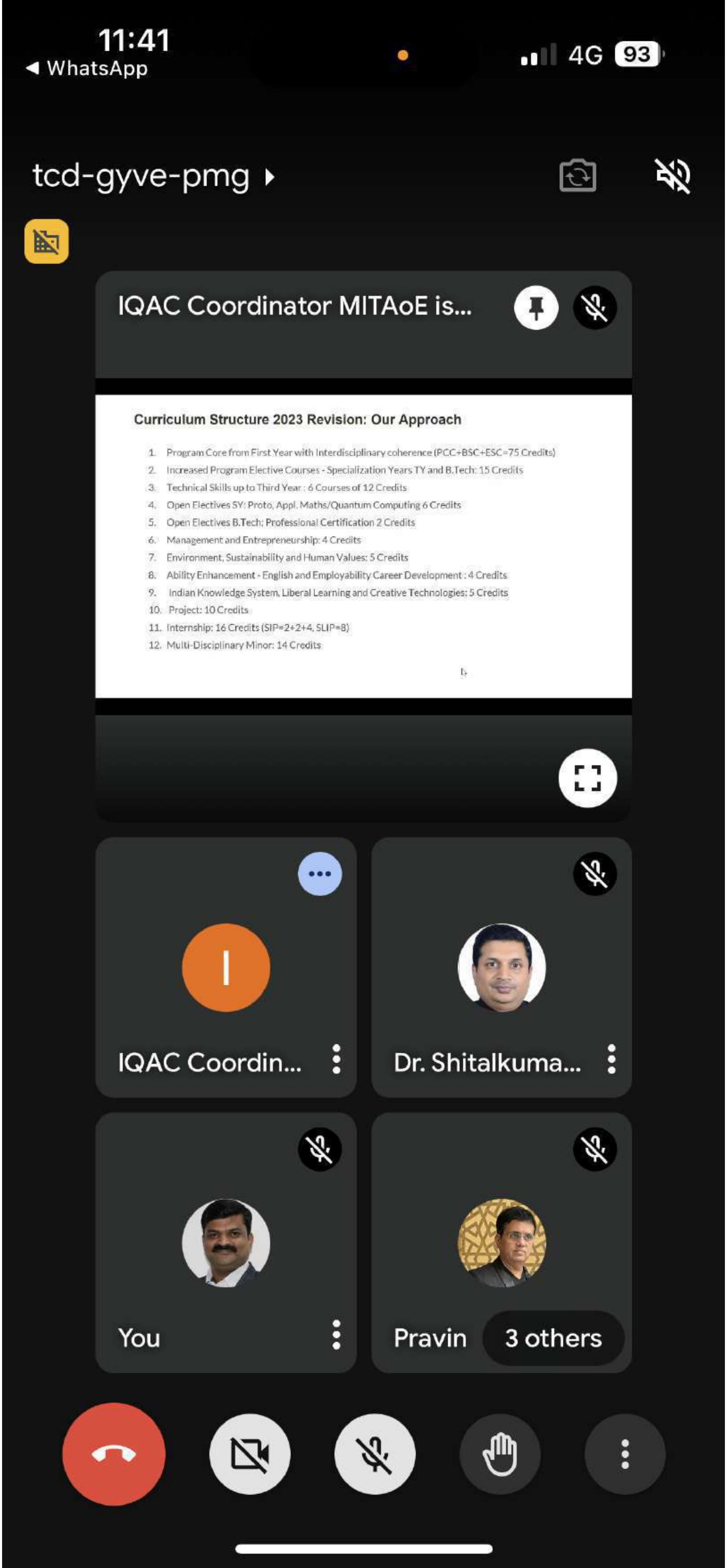
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
22/05/24 11:50 AM GMT +05:30

Alandi(D.), Pune- 412105

MIT Academy of Engineering (An Autonomous Institute)	**ATTENDANCE**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	**:**	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**		**22nd May 2024**
	MEETING NO.		**IQAC / 2023-24 / 03**

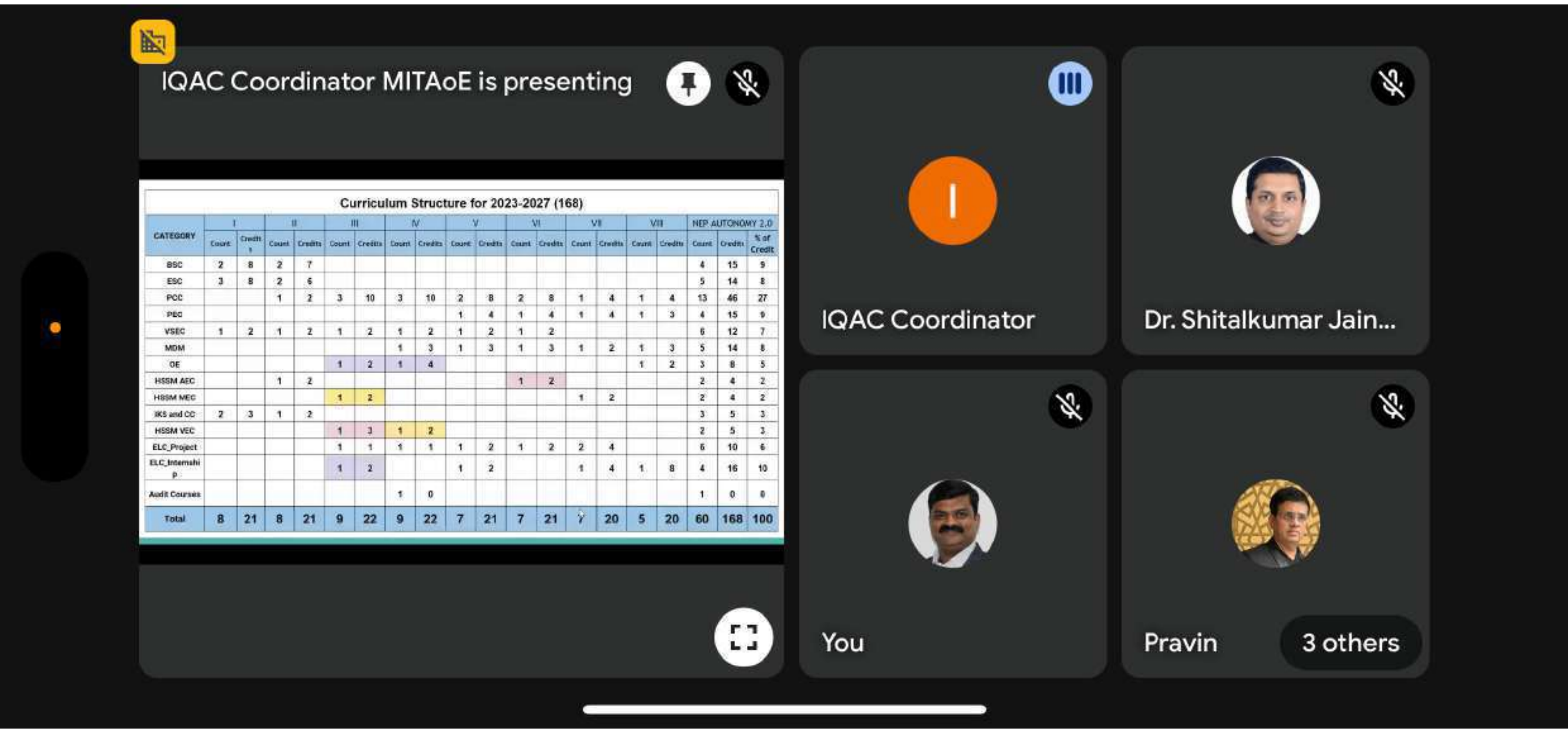
Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	
02	Prof.(Dr.) Shitalkumar. A. Jain	Jain
03	Prof.(Dr.) Sunita S. Barve	—
04	Prof. Sunilkumar.M.Bhagat	—
05	Prof. Avinash Bhalerao	—
06	Prof.(Dr.) Abhijeet Malge	
07	Dr. Vaishali Wangikar	
08	Dr. Arika Kotha	—
09	Dr. Shyam Shukla	
10	Prof.(Dr.) Rajeswari Goudar	
11	Dr. Sandeep Shewale	
12	Prof.(Dr.) Dipti Sakhare	
13	Prof.(Dr.) Prafulla Hatte	Hatte
14	Mr. Shridhar Khandekar	
15	Mrs. Vandana Khandelwal	
16	Prof.(Dr.) Balasaheb. Waphare	online
17	Prof.(Dr.) Anant Chakradeo	—
18	Ms. Srushti Jadhav	—
19	Mr. Mangesh Humbad	—
20	Mr. Anil Bhat	—
21	Mr. Pravin Pawar	online
22	Mr. Girish Bora	—
23	Dr. Suyogkumar Taralkar	

24	Mr. Piyush Kumar	
25	Dr. Pramod Kothmire	PKothmire
26.	Vivek Chavan (Secretory)	VChavan
27.	Srushti Ghadge (LR)	
28	Saylee Bidwai	
29	Sarvesh Shinde	


11:41
◀ WhatsApp
4G 93
tcd-gyve-pmg ▸
IQAC Coordinator MITAoE is...
IQAC Coordin...
Dr. Shitalkuma...
You
Pravin
3 others

Curriculum Structure 2023 Revision: Our Approach

1. Program Core from First Year with Interdisciplinary coherence (PCC+BSC+ESC=75 Credits)
2. Increased Program Elective Courses - Specialization Years TY and B.Tech: 15 Credits
3. Technical Skills up to Third Year : 6 Courses of 12 Credits
4. Open Electives SY: Proto, Appl. Maths/Quantum Computing 6 Credits
5. Open Electives B.Tech: Professional Certification 2 Credits
6. Management and Entrepreneurship: 4 Credits
7. Environment, Sustainability and Human Values: 5 Credits
8. Ability Enhancement - English and Employability Career Development : 4 Credits
9. Indian Knowledge System, Liberal Learning and Creative Technologies: 5 Credits
10. Project: 10 Credits
11. Internship: 16 Credits (SIP=2+2+4, SLIP=8)
12. Multi-Disciplinary Minor: 14 Credits


IQAC Coordinator MITAoE is presenting
I
IQAC Coordinator
Dr. Shitalkumar Jain...
You
Pravin
3 others

Curriculum Structure for 2023-2027 (168)

CATEGORY	I		II		III		IV		V		VI		VII		VIII		NEP AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credit
BSC	2	8	2	7													4	15	9
ESC	3	8	2	6													5	14	8
PCC			1	2	3	10	3	10	2	8	2	8	1	4	1	4	13	46	27
PEC									1	4	1	4	1	4	1	3	4	15	9
VSEC	1	2	1	2	1	2	1	2	1	2	1	2					6	12	7
MDM							1	3	1	3	1	3	1	2	1	3	5	14	8
OE					1	2	1	4							1	2	3	8	5
HSSM AEC			1	2							1	2					2	4	2
HSSM MEC					1	2							1	2			2	4	2
IKS and CC	2	3	1	2													3	5	3
HSSM VEC					1	3	1	2									2	5	3
ELC_Project					1	1	1	1	1	2	1	2	2	4			6	10	6
ELC_Internship					1	2			1	2			1	4	1	8	4	16	10
Audit Courses							1	0									1	0	0
Total	8	21	8	21	9	22	9	22	7	21	7	21	7	20	5	20	60	168	100

MIT Academy of Engineering (An Autonomous Institute)	**Action Taken Report**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2024-2025**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**22nd May 2024**
	MEETING NO.	:	**IQAC/2023-24/03**

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/02) and review the action taken report.
2. To discuss the design and development of the curriculum (NEP Pattern).
3. To discuss the teaching-learning and evaluation process.
4. To discuss the R&D initiatives.
5. To discuss the T&P initiatives.
6. To discuss the student development initiatives
7. To discuss the entrepreneurship development cell initiatives
8. To discuss the status of the strategic plan for quarter III of 2023-24
    - a. Teaching-leaning Process
    - b. Research and Consultancy
    - c. Student Support & Success
    - d. Enhanced Student Experience
    - e. Enhanced Alumni Engagements
    - f. People & welfare
    - g. Social Media Connect
    - h. Entrepreneurship and Innovative Ecosystem
    - i. Campus & Services
    - j. Sustainability
9. Any other point with the permission of the chair

The Third meeting of IQAC for the academic year 2024 was held on 22th May 2024, at 11: 30 am in blended mode.

Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof.(Dr.) Shitalkumar Jain
2. Prof. (Dr.) Shyam Shukla
3. Prof. (Dr.) Rajeswari Goudar
4. Prof.(Dr.) Prafulla Hatte
5. Mr. Shridhar Khandekar
6. Prof.(Dr.) Dipti Sakhare
7. Dr. Pramod Kothmire
8. Dr. Vaishali Wangikar

Alandi(D.), Pune- 412105

9. Dr. Sandeep Shewale
10. Mr. Pravin Pawar (Online)
11. Prof.(Dr.) Balasaheb Waphare (Online)
12. Mrs. Vandana Khandelwal
13. Dr. Suyogkumar Taralkar

Other Invitees

14. Dr. Pritam Kalos
15. Mr. Sarvesh Shinde
16. Mrs. Saylee Bidwai
17. Mr. Peeyush Kumar
18. Dr. Pramod Kothmire
19. Mr. Vivek Chavan
20. Mr. Srushti Ghade

The leave of absence was granted to the following members

21. Prof.(Dr.) Sunita Barve
22. Prof. Avinash Bhalerao
23. Prof.(Dr.) Abhijeet Malge
24. Prof. Sunilkumar M.Bhagat
25. Prof.(Dr.) Anant Chakradeo
26. Mr. Girish Bora
27. Dr. Arika Kotha
28. Mr. Anil Bhat

01	**To confirm the previous minutes of meetings and review the action taken report.** **Discussion and Resolution:** The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks. The previous minutes of the meeting (Meeting-2, 2023-24, March 04, 2024) and review on action taken report was discussed and confirmed by all members of IQAC.
02	**To discuss the design and development of the curriculum (NEP Pattern).** **Discussion and Resolution:** In absence of Dy. Director AR, Dr. Prafulla Hatte presented the design and development of the curriculum (NEP Pattern). Following points were discussed in detail. Credit distribution (168 credits), Curriculum Structure 2023 Revision, Curriculum Structure for 2023-2027, Curriculum Structure for 2022-2026, Curriculum Structure 2023 Revision: Horizontal and Vertical Mobility, List of Programme Electives /Specialization Tracks (AY: 2024 -2025), List of Multidisciplinary Minor Tracks (AY: 2024 -2025), List of Open Electives (AY: 2024 -2025).

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School Deans also presented details of a number of courses offered, No. of Courses focusing on employability/entrepreneurship/ skill development, No. of new courses introduced, No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Environment and Sustainability, and Human Values during the academic year 2023-24.

School Deans also presented details of Value-Added Courses completed and planned and curriculum Feedback by students, teachers, alumni, and industry during the academic year 2023-24.

It is decided that,

1. Each school should conduct different value-added courses for all the students and make sure that each student of the school takes benefit of same.
2. Feedback on curriculum is a continuous process and each school should collect, analyze, and take action on this feedback by stakeholders to upgrade the curriculum.

Details are given in Annexure –I

Responsibility: Dy. Director-AR, All School Deans

Action Taken:

Academic Year 2023-24

School/ Department	No. of new courses introduced	No. of Courses focusing on employability, entrepreneurship, / skill development	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Environment and Sustainability, and Human Values	No. of Value added courses
Chemical	5	52	25	2
Computer	5(FY-FPL,EDS,DV, Disc.Structures, SY - Problem Solving using OOP)	52	21	3
Civil	5 (FY-4 SY-1)	33	20	2
E&TC	5	54	-	2
Humanities & Engg Science	6(IKS, LL,CT,PCC, VSEC1, VSEC2)	16 (4 subjects:ED)=20	4	3
Mechanical	11 (FY 4 SY 3 TY 4)	36	27	2

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Software	44 FY(25) ,SY(19),	32	5	3

Feedback on Curriculum (Academic Year 2023-24)

Stakeholder feedback and reviews is a predefined process as per curriculum Structure Design and course Design Record, following are the details of the same

School/ Department	Specific Action on Feedback as per Annexure				
	Faculty	**Student**	**Alumni**	**Parents**	**Industry**
Chemical	All Core courses have been retained as per suggestions and more emphasisis will be given with more pedagogical activity	Course like ML , data analytics has been incorporated in SY curriculum	Industrial technology and Managment is introduced as per suggestion w.e.f TY B.Tech Simulation based studies using Aspen plus, Aspen Hysis , CFD moeddling using Ansys Software is incorporated	No any specific suggestion was received from parents. Parents are satisfied with NEP curriculum framework	Industrial technology and Managment is introduced as per suggestion w.e.f TY B.Tech Simulation based studies using Aspen plus, Aspen Hysis , CFD moeddling using Ansys Software is incorporated
Computer	Course delivery in hybrid mode Examination reforms are made for BTECH courses(CV,DL) Curriculum framed as per industry requirement	Rubric based assessment for all theory and laboratory assignments , activities and shared well in advance through LMS (moodle)	Well designed and excellent Curriculum structure, One day for online teaching , Exposure to the courses of DL and CV hands on projects	parents are satisfied with the teaching and learning methods and comply with the overall development of their ward	NodeJS,react to be used in web technology related courses More number of skill based courses to be incorporated
Civil	Practical can be converted to Small Projects Add the More Core Course SLIP and YLIP helps students to have hands on	inUse animated videos for teaching. Course should involve more deep information as	Tekla software needs to be brought into the curriculum as there is more need and requirement in industry for it. Overall	Mentoring sessions to support SY, TY and BTech students. To enhance the placement, an internship has	Add the industry related skill courses in the curriculum. Arrange the site visits for the big

MIT ACADEMY OF ENGINEERING Alandi (D.) Pune-412105

			training in field based problems Course delivery in hybrid mode (Inclusion of Industry and Academics together) Examination reforms are to be initiated in the School.	there is a wide range in civil engineering. More field visits should be arranged or in the college area they should show the examples. More field visits must be done	curriculum is excellent). Relations with the industry should be increased as much as possible	been introduced.	construction projects.	
		E&TC	The process for new infrastructure and training in that e.g.EV lab set up is initiated.	Problem solving sessions for applied mathematics were conducted on demand. In the next revision Tutorials are planned for EMT	The Program elective track on VLSI(CLD)is added.	To enhance the placement, an internship in core companies has been introduced.	Labs like embedded Linux and STM processors (for KPIT) are developed.	
		Humanities & Engg Science	Faculty training on Teaching pedagogy/Emerging trends. Faculty have visited institute of repute for attending workshops , making collaborations	Practice sessions to cover difficult portions. Course study material shared through Moodle. Vernacular language support to understand concepts	Emerging trends are introduced to Fy students to make them prepare for next years	Weekly mentoring sessions to support FY students Physical as well as online Emotional well being support Handholding sessions for difficult subjects	Arrangements of Expert talks/ field visits to industry Activity based lab sessions for enhancing english communication	
		Mechanical	The faculty are encouraged to arrange and attend more training sessions. The MOU's are	The course faculty provides the course material through Moodle / ICT	Industrial visits as well as the internship programs have been incorporated into the	To enhance the placement, an internship has been introduced.	The faculty are encouraged to arrange more guest lectures from industry experts. Project	

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

	established to set up the industry supported laboratories.	based tools. Employability related courses have been added. Emphasis is also given on the practical and skill courses, internships.	curriculum. Alumni have been involved in the assessment process.		based learnings are promoted. The skill courses have been incorporated into the curriculum.
Software	Project based learning and problem baked learning	—	–	—	Curriculum framed as per industry requirement

03

To discuss the teaching-learning and evaluation process.

Discussion and Resolution:
Various pedagogical practices and examination reforms implemented by various schools were also discussed.
It is decided that Each school has to ensure that various advanced pedagogical practices and examination reforms should be implemented to enhance the teaching-learning process.

Details are given in Annexure –II

Responsibility: All School Deans

Action Taken:

Teaching-learning and evaluation process (Academic Year 2023-24)

School/ Department	Pedagogical initiatives	Examination Reforms
Chemical	Problem based learning in Fluid Flow Operations and Solid Fluid Operations were taken. Project based learning for CPT course was taken. Game based learning using kahoot for CPC course were taken.	1) Chemical Process Technology; TY-Sem-VI (NO ESE), project based learning and simulation studies were conducted.

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

			Mini Mature event and Model making activity for PRT Course were taken.		
		Computer	Problem based and project based learning, Project based learning (Deep Learning) Video lecture series for self-paced learning Use of ICT tools Use of Codechef leetcode platform	Examination reforms for BTech semester VII for courses of CV and DL	
		Civil	Project/Problem based learning, Activity based learning. E-content development, Use of ICT tools.	1. Surveying and Geomatics (FY) (No MSE) 2. Survey and Geospatial Engineering (SY). (No MSE)	
		E&TC	Pedagogical reforms in EMT	Project based learning for AI in Healthcare	
		Humanities & Engg Science	Project based Learning for DT/ SON video making activity for EDS/ DV Creative technology training using learn by doing Use of Codechef platform	Creative technology, Liberal learning , IKS are the subjects where the assessment is done through demonstrations rather than traditional paper writing	
		Mechanical	Project based Learning Activity Based learning Problem Based learning	Heat Transfer Refrigeration and Air conditioning	

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

			Use of ICT, Video content creation		
		Software	Problem based and project based learning Use of ICT tools Use of Codechef leetcode platform	—	

04

To discuss the R&D initiatives

Discussion and Resolution:

Dean R&D presented the R&D initiatives and its impact on number of IPRs, Publication, and Industrial Consultancy.

The seed funding amount of Rs. 5,27,847/- is approved as stage –I out of total requested Rs. 23,13,181/- by the institute for various faculty projects was also discussed in detail.

It is discussed that maximum faculty members from each school can take benefit of seed funding scheme by submitting quality research proposals.

It is also decided that quality publication by faculty and students has to be increased.

Details are given in Annexure –III

Responsibility: Dean R&D, All School Deans

Action Taken:

Academic Year 2023-24

School/ Department	No. of projects for Seed Funding (Amount in Rs.)	No. of Journal Publications	No. of Conference Publications	No. of Book Chapters	No. of Books	No. of IPR	No. of Funded Research projects (Amount in Rs.)	No. of Consultancy Projects (Amount in Rs.)
Chemical	5 (Rs 81000)	5	4	0	1	4	0	1 (Rs 53000)
Computer	NIL	23	46	5	NIL	5	NIL	NIL
Civil	NIL	03	02	NIL	02	02(Submitted)	NIL	01 (Rs. 3,35,000)
E&TC	07(1,04,847)	11	11	04	01	06 (Su	Nil	Nil

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

						bmitted)		
Humanities & Engg Science	Nil	2	Nil	1	0	Nil	Nil	Nil
Mechanical	292000	20	11	14	1	4 publishe+2 grants =6	Nil	21600
Software	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

05

To discuss the T&P initiatives

Discussion and Resolution:

Deputy Director CR presented the T&P Status of Student Placement for Years 2023-24.

1. 292 students (2024 batch) have been placed through campus placement with an average package of 6.19 LPA.
2. 475 students (2024 batch) enrolled for the Semester Long Internship Program (SLIP) in Jan-Feb 2024
3. 169 (2024 batch) students have taken the advantage of Year Long Internship Program (YLIP) during the academic year 2023-24.
4. 60+ students (2024 batch) have been selected for SIP+YLIP since 01 May 2024
5. Phase - I training sessions started for the second batch of SUPER 30.
6. Product Audit - II (Technical PI + GD) conducted in April 2024 for TY BTECH students. 39 senior alumni supported the same.

Details are given in Annexure –IV

Responsibility: Dy. Director-CR

Action Taken: Academic Year 2023-24

School/ Department	Total No. of Students	No. of students placed	Highest Package (Rs)	Lowest Package (Rs)	No. of students for SIP	No. of students fr SLIP	No. of Students for YLIP	Higher Studies (Nos.)
Chemical	66	26	11 LPA	2.7 LPA	66	33	5	1
Computer	254	166	27 LPA	3 LPA	232	133	49	2
Civil	66	36	6.5 LPA	3.2 LPA	62	48	20	0

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

E&TC	210	104	10.5 LPA	3.5 LPA	187	112	30	3
Mechanical	193	109	8 LPA	1.8 LPA	203	140	65	8

06

To discuss the student development initiatives

Discussion and Resolution: Dean SA presented the Student Development Activities

1. Students are participating in various competions like Firodiya Karandak, various cultural competitions organized outside MITAOE. (2 Prizes - Dance Competitions),
2. Signed MOU with UinSports for conducting various State / National / International tournaments in collaboration.
3. MITAOE Conducted District Level Chess Tournament (200 Participants),
4. 1st International chess tournament is scheduled at MITAOE from 29 July - 4 August 2024.
5. Start creating Indoor Sports & GYM Facilities for students (In Process).

It is decided that student's participation in various university, state and national level events has to be increased.

Responsibility: Dean SA

Action Taken: Academic Year 2023-24

	University /regional	State	National	International
No. of Clubs	28			
No. of technical activities conducted by Clubs	55	NIL	3	NIL
No. of non-technical activities conducted by Clubs	17	NIL	NIL	NIL
No. of Cultural activities organized	5	NIL	NIL	NIL
No. of Cultural activities attended by students	5	NIL	NIL	01
No. of Sports activities organized	20	NIL	NIL	NIL
No. of Sports activities	35	3	2	NIL

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

attended y students				
No. of awards and achievements by students in Technical activities	46	1	3	NIL
No. of awards and achievements by students in non-technical activities (Cultural and sports)	3 (Cultural)	NIL	NIL	NIL
No. of extension activities conducted by NSS	7			
Unnat Bharat Abhiyan Activities	2	Nil	Nil	Nil

07

To discuss the entrepreneurship development cell initiatives

Discussion and Resolution: Head of ED Cell presented the Entrepreneurship development cell initiatives and activities (Quarter-III) 2023-24.

1. Organized Global Entrepreneurship Catalyst Symposium (Oct 2023)
2. A competition is organized for students (Jan 2024) to transform projects to products: 3 groups are awarded with seed funds and registered as incubatee in MITAoE EDF
3. Best performing student volunteers (e-cell and IIC members) of the symposium and P2P competition are rewarded by offering IUCEE course on Entrepreneurship
4. MOUs signed: 2 (AmpliNxt and Avantika University)
5. Updated marks in the Appraisal form of Faculty: Newly added 5 marks for becoming mentor to startups + 20 marks allocated for registering faculty startup
6. Framed strategies for implementing IIC activities to improve ranking
7. Delivered sessions for outreach: IP awareness and incubation to other institutes, entrepreneurship awareness session for Women organization, etc.
8. MOTAoE EDF website restructured for better engagement- in progress

Details are given in Annexure –V

Responsibility: Head - ED Cell

Action Taken: Academic Year 2023-24

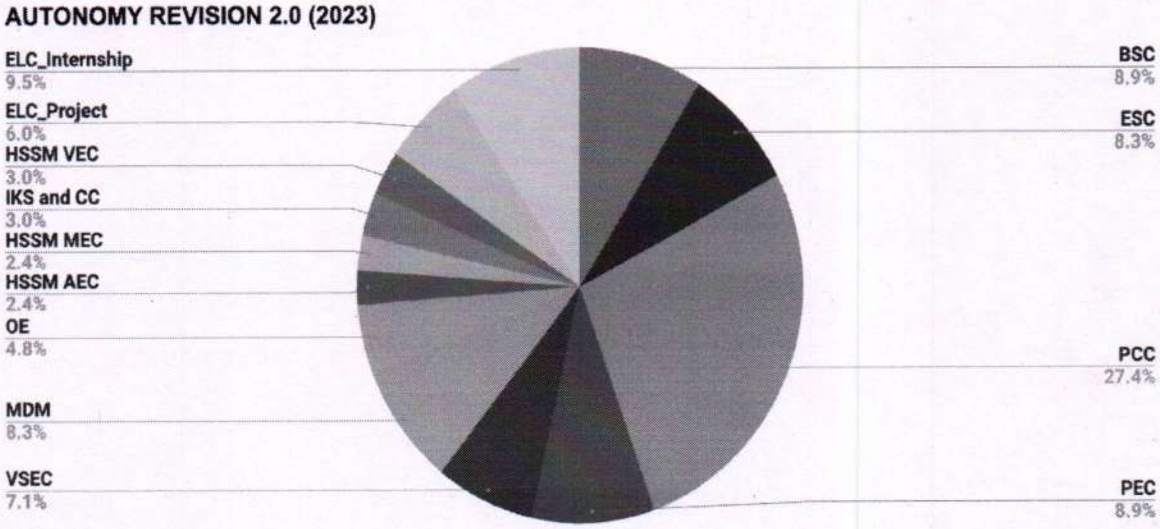
	No. of startups (by MITAOE students)	Started Counselling the students and motivating
	No. of startups by external	Promotion through events- MITAoE EDF is now active memebr of Pune innovation cluster
	Total grants fetched (Rs.)	Nil
	Total grant disbursed (Rs)	80 lakh (Grant +debt)
	No. of IPR by Ed cell	1
	No. of awareness sessions	2
08	**To discuss the status of the strategic plan for quarter III of 2023-24** **Discussion and Resolution:** Dy. Directors, Deans and in-charges presented the status of the strategic plan for quarter III: 2023-24. **Details are given in Annexure –VI** **Responsibility:** Dy. Director-AC, Dy. Director-CR, Registrar, School Deans, All Deans, Alumni Coordinator, Head Admission & Marketing, HR Manager, System Administrator, Head ED Cell	
09	**Any other point with the permission of the Chair.** The IQAC Coordinator informed all members that the IQAC office is submitting AQAR for the academic year 2022-23. IQAC Coordinator & Dean QA proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.	

IQAC Coordinator	IQAC Chairman
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

Annexure –I

Design and development of the curriculum

CREDIT DISTRIBUTION (168 Credits)



Curriculum Structure 2023 Revision: Our Approach

1. Program Core from First Year with Interdisciplinary coherence (PCC+BSC+ESC=75Credits)
2. Increased Program Elective Courses - Specialization Years TY and B.Tech: 15 Credits
3. Technical Skills up to Third Year : 6 Courses of 12 Credits
4. Open Electives SY: Proto, Appl. Maths/Quantum Computing 6 Credits
5. Open Electives B.Tech: Professional Certification 2 Credits
6. Management and Entrepreneurship: 4 Credits
7. Environment, Sustainability and Human Values: 5 Credits
8. Ability Enhancement - English and Employability Career Development : 4 Credits
9. Indian Knowledge System, Liberal Learning and Creative Technologies: 5 Credits
10. Project: 10 Credits
11. Internship: 16 Credits (SIP=2+2+4, SLIP=8)
12. Multi-Disciplinary Minor: 14 Credits

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

CATEGORY OF COURSES	AICTE		AUTONOMY REVISION 0.0 (2016)			AUTONOMY REVISION 1.0 (2019)			AUTONOMY REVISION 2.0 (2022)			AUTONOMY NEP REVISION 2.0 (2023)			NEP	
	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Credits	% of Credits
BSC	26	16.3	4	18	11.0	5	20	12.5	4	16	10	4	15	9	16	9.5
ESC	29	18.1	4	16	9.8	8	26	16.25	6	20	12	5	14	8	14	8.3
Prof. Common	-	-	5	19	11.6	-	-	-	0	0	0	0	0	0		0.0
PCC	47	29.4	12	48	29.3	14	54	33.75	13	49	29	13	46	27	48	28.6
PEC	23	14.4	2	6	3.7	2	6	3.75	4	15	9	4	15	9	20	11.9
VSEC	-	-	5	10	6.1	6	12	7.5	5	10	6	6	12	7	8	4.8
MDM	11	6.9	4	16	9.8	3	12	7.5	5	15	9	5	14	8	14	8.3
OE									3	8	5	3	8	5	8	4.8
HSSM AEC	12	7.5	9	17	10.4	6	12	7.5	3	4	2	2	4	2	4	2.4
HSSM MEC									1	2	1	2	4	2	4	2.4
IKS and CC									0	0	0	3	5	3	6	3.6
HSSM VEC									2	5	3	2	5	3	4	2.4
ELC_Project	12	7.5	4	10	6.1	6	14	8.75	6	10	6	6	10	6	10	6.0
ELC_Internship			1	4	2.4	1	4	2.5	3	14	8	4	16	10	12	7.1
Audit Courses	4	0.0	1	0	0.0	5	0	0	3	0	0	1	0	0	0	0.0
Total	**164**	**100.0**	**51**	**164**	**100.0**	**56**	**160**	**100**	**58**	**168**	**100**	**60**	**168**	**100**	**168**	**100.0**

Curriculum Structure for 2023-2027 (168)

CATEGORY	I		II		III		IV		V		VI		VII		VIII		NEP AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credit
BSC	2	8	2	7													4	15	9
ESC	3	8	2	6													5	14	8
PCC			1	2	3	10	3	10	2	8	2	8	1	4	1	4	13	46	27
PEC									1	4	1	4	1	4	1	3	4	15	9
VSEC	1	2	1	2	1	2	1	2	1	2	1	2					6	12	7
MDM							1	3	1	3	1	3	1	2	1	3	5	14	8
OE					1	2	1	4							1	2	3	8	5
HSSM AEC			1	2							1	2					2	4	2
HSSM MEC					1	2							1	2			2	4	2
IKS and CC	2	3	1	2													3	5	3
HSSM VEC					1	3	1	2									2	5	3
ELC_Project					1	1	1	1	1	2	1	2	2	4			6	10	6
ELC_Internship					1	2			1	2			1	4	1	8	4	16	10
Audit Courses							1	0									1	0	0
Total	**8**	**21**	**8**	**21**	**9**	**22**	**9**	**22**	**7**	**21**	**7**	**21**	**7**	**20**	**5**	**20**	**60**	**168**	**100**

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

Curriculum Structure for 2022-2026

CATEGORY OF COURSES	I		II		III		IV		V		VI		VII		VIII		AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credits
BSC	2	8	2	8													4	16	10
ESC	3	11	3	9													6	20	12
PCC					3	12	3	10	2	8	2	8	2	7	1	4	13	49	29
PEC									1	4	1	4	1	4	1	3	4	15	9
VSEC			1	2	1	2	1	2	1	2	1	2					5	10	6
MDM					1	4			1	3	1	3	1	2	1	3	5	15	9
OE							2	6							1	2	3	8	5
HSSM AEC	1	1	1	1							1	2					3	4	2
HSSM MEC													1	2			1	2	1
IKS and CC																	0	0	0
HSSM VEC					1	3	1	2									2	5	3
ELC_Project					1	1	1	1	1	2	1	2	2	4			6	10	6
ELC_Internship									1	2			1	4	1	8	3	14	8
Audit Courses	1	0	1	0			1	0									3	0	0
Total	7	20	8	20	7	22	9	21	7	21	7	21	8	23	5	20	58	168	100

Curriculum Structure 2023 Revision: Horizontal and Vertical Mobility

Level	Qualification Title	Credits	Sem	Year	Our Proposal
4.5	One Year UG Certificate in Engg./Tech.	40-44	2	1	42 Credits
5.0	Two Years UG Diploma in Engg./Tech.	80-88	4	2	86 Credits
5.5	Three Year Bachelor's of Vocation(B.Voc) or B.Sc. (Engg./Tech)	120-132	6	3	128 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech. with Multidisciplinary Minor	160-176	8	4	168 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Honors and Multidisciplinary Minor	180-194	8	4	168 + 18 = 186 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Honors with Research and Multidisciplinary Minor	180-194	8	4	168 + 18 = 186 Credits
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- Major Engg. Discipline with Double Minors (Multidisciplinary and Specialization Minors)	180-194	8	4	168 + 18 = 186 Credits

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

PROVISION OF HONORS AND DOUBLE MINOR

CATEGORY	I		II		III		IV		V		VI		VII		VIII		NEP AUTONOMY 2.0		
	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	Count	Credits	% of Credit
Honors Specialization Courses									2	5	2	5	2	5	1	3	7	18	186
Honors Research									2	5	2	5	2	5	1	3	7	18	186
Double Minor							1	3	1	4	1	4	1	4	1	3	5	18	186

List of Programme Electives /Specialization Tracks (AY: 2024 -2025)

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Computer Engineering (Software Engineering)	Data Analytics	Predictive Analytics	Big Data Analytics	SWAYAM Course
	Artificial Intelligence & Machine Learning	Deep Learning	Generative AI Applications	SWAYAM Course
	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native Devops	SWAYAM Course
	Cryptography and Information Security	Cyber Security Forensics	Ethical Hacking & Cyber Laws	SWAYAM Course
Electronics and Telecommunication Engineering	Embedded Systems for IoT (with Arduino, ESP, and Raspberry Pi)	Introduction to Security of Cyber Physical Systems	Ubiquitous Sensing, Computing and Communication	SWAYAM Course
	EV architecture and Vehicle Dynamics	EV Power Electronics	Battery Technology and EV charging ecosystem.	SWAYAM Course
	Basics of Health care	Healthcare informatics	AI in Healthcare	SWAYAM Course

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Chemical Engineering	Chemical Process Technology	Biochemical Engineering	Process Design Principles	Chemical Process Safety
	Membrane Technology	Environmental Engineering	Bioprocess Technology	Aspen Plus: Simulation Software
	Food Technology	Petroleum Refining Technology	Petrochemical Engineering	Hydrogen Energy: Production, Storage, Transportation, Safety
Civil Engineering	Design of Steel Structures	Contracts Management	Advanced Construction Techniques	Building Services
	Hydrology and Irrigation Engineering	Solid and Industrial Waste Management	Environmental Planning & Impact	Air and Noise Pollution
	Construction Engineering & Management	Formwork Design	Railway Engineering	Foundation Engineering

Name of the Programme	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Mechanical Engineering	Finite Element Analysis	Computational Fluid Dynamics	Advanced Computational Fluid Dynamics	SWAYAM Course
	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
	Automobile System Design	Vehicle Dynamics	Autotronics and E Vehicles	SWAYAM Course
Bachelor of Design	Products for emerging market	Technically Complex product/appliances		
	Products for special needs	Smart product Design/Phygital	Speculative product design in different domain/specialisation	
		Furniture design		

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

List of Multidisciplinary Minor Tracks (AY: 2024 -2025)

Name of the Programme	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Business Administration	Principle and Practices of Management	Organizational Behavior	Production and Operation Management	Cross Cultural Communication	Micro and Macro Economics
Management	Logistics and Warehouse Management	Big Data Analytics for SCM	Project Management	Lean Management and Theory of Constraints	SWAYAM
Entrepreneurship	Engineering Informatics	Foundational Course in Entrepreneurship	Advanced Course in Entrepreneurship	Startup and Incubation	SWAYAM
Computer Engineering	Engineering Informatics	Data Analytics	Artificial Intelligence Machine Learning	Deep Learning	Big Data Analytics/ SWAYAM Course
	Engineering Informatics	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native DevOps	Cloud Services/ SWAYAM Course
Civil Engineering	Material Engineering	Smart Cities	Sustainable Engineering	Environmental Planning & Impact Assessment	CVSWAYAM 01
Chemical Engineering	Material Engineering (T+L) (3+1)	Process Engineering (T+L) (3+1)	Process Modeling and Simulation (T+L) (3+1)	Process Intensification and Integration (T+L) (3+1)	CHSWAYAM 01
		Energy Engineering (T+L) (3+1)	Energy Modeling and Simulation (T+L) (3+1)	Energy Management and Audit (T+L) (3+1)	CHSWAYAM 02

Name of the Programme	Semester IV	Semester V	Semester VI	Semester VII	Semester VIII (SWAYAM)
Computer Engineering (Software Engineering)	Engineering Informatics	Data Analytics	Artificial Intelligence Machine Learning	Deep Learning	Big Data Analytics/ SWAYAM Course
	Engineering Informatics	Cloud Computing Foundations	Cloud Native Application Development	Cloud Native DevOps	Cloud Services/ SWAYAM Course
Electronics and Telecommunication Engineering	Engineering Informatics	Electronics System Design	VLSI Design	ASIC Design	System on Chip
Electronics Engineering	Engineering Informatics	Electronics System Design	VLSI Design	ASIC Design	System on Chip
Mechanical Engineering	Engineering Informatics	Computer Aided Product Design	Mechanical Simulations	Industrial Automation & Control Systems	Project
	Engineering Informatics	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
Bachelor of Design	Intro to UI UX				
	Photography				

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

List of Open Electives (AY: 2024 -2025)

Name of the Programme	Semester III	Semester IV	Semester VIII
Mathematics identified Courses	Applied Mathematics(4)	Applied Mathematics(4)	
Physics identified Courses	Foundation of Quantum computing (4)	Foundation of Quantum computing (4)	
Chemical Engineering identified Courses			
Bachelor of Design identified Courses	Prototyping (2)	Prototyping (2)	
Mechanical Engineering identified Courses	Corporate Valuation	Banking and Financial Services	Siemens(Product Life Cycle Management)
Civil Engineering identified Courses	Corporate Valuation	Banking and Financial Services	Professional Certification (2)
Computer Engineering identified Courses	Business Management and information System (4)	Economics(2)	Professional Certification (2)
Computer Engineering (Software Engineering)	Business Management and information System (4)	Economics(2)	Professional Certification (2)
Electronics and Telecommunication Engineering identified Courses	Engineering Informatics (For BDes)	Introduction to IoT (BDes)	CISCO Networking
Electronics Engineering identified Courses	Engineering Informatics (For BDes)	Introduction to IoT (BDes)	CISCO Networking

2.a: Details of courses (2023-24)

School/ Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
Chemical	52 (UG-SY to BTech Including NPTEL)	52 employability courses 1 ED Skills 2- ECD & Professional Skills 5- Minor and Major Project	2 labs: DACE and CACE 3: NPTEL Courses Total: 5	4 (1- Env Sci, 2_ECD,3-UHV, 4- Prof Skill)
Computer	57(UG-SY to BTech Including NPTEL) Mtech	8 Skill courses 1 ED Skills 2- ECD /professional courses 3 Minor , Major and capstone Project	1 Fundamentals of Linux programming 2. Data Visualization 3. Problem solving Core java 4. Problem solving using C++	4 (1- Env Sci, 2_ECD, 3-UHV, 4- Prof Skill)

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School /Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
Civil	70 (UG-FY to B. Tech.)	70 Employability 8 Skill courses 1 ED Skills 2 - ECD/Professional Skills 6 - Minor,Major and Capstone Project	1. Basics of Civil Engineering 2. Surveying and Geomatics 3. Computer aided engineering drawing 4. Creative Technologies 5. Essentials of data science 6. IKS (Architecture and town planning) 7. Material Engineering 8. Data Science 9. UHV II 10. Environmental Science (Audit to Credit)	Professional Ethics (6) - ECD, Psychology, Eng. Economics, UHV I, UHV II, Indian Constitution Gender (3) - UHV I, UHV II, Indian Constitution Human Values (2) - UHV I, UHV II Environment and Sustainability (4)- Environmental Science, Solid waste Management, Unit operation for liquid waste / Effluent treatment, EIACC.

School /Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
E&TC	54(UG-SY to BTech Including SWAYAM NPTEL)	54 employability l courses 1 ED Skills 2- ECD & Professional Skills 6- Minor and Major Project 2-Internships	1.Electronics workshop 2. Logic sensing and actuation 3.Integrating sensors and actuators 4.ARM based embedded Design 5.Creative Technologies 6.IKS(Vedc mathematics)	4(Env Sci, ECD,UHV, Prof Skill)
Design	80 (PD,CD & UX)	15	9	4
SESH	7	2	1(UHV II)	2(UHV, Psychology)

School /Department	Total No. of Courses offered (FY to Final Year B Tech & M Tech)	No. of Courses focusing on employability/entrepreneurship/ skill development	No. of new courses introduced during the year	No. of Courses integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values
Mechanical	73(UG)+15(PG)= 88 Including NPTEL,Discipline Elective Courses	88 Employbility Courses 5 Skill courses 1 ED Skills 2- ECD/Professional Skills 5- Minor and Major Project(UG) 2- Internship(UG) 3 - Projects(PG) 1 - Internship(PG) 10 Discipline Elective 6 NPTEL SWAYAM 53- Core Courses & Foundation Courses	1. FAB Lab 2. Indian Knowledge System 3. Problem Solving by OOPS C++ 4. Digital Twin 5. Data Structures 6. Generative Design 7. CAD for Engineers	Professional Ethics-02(ECD, Professional Skills) Gender- 0 Human Values- 02(Universal Human Values I & II) Environment and Sustainability- 02(Environmental Science, Sustainable Design)

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune- 412105

2.b: Details of Value-Added Courses (Term-II, 2023-24)

School/Department	Name of the Value added courses	Duration (Hrs)	No. of students benefited	Status of courses (Completed/ ongoing)
Chemical	**SY**:Environmental Management Systems and Energy Management Systems	32	70	Completed
	TY: Computational fluid dynamics in chemical engg	40	68	Planned
	B.Tech : Prosimulator	40	33	Planned
Computer	Social media and security	120	120	Completed
	Sustainable Engineering Development	120	120	
	New business Prospective and personality development	80	80	Planned
	Generative AI	80	80	Planned
	Employability/hiring & Life skill development	80	80	Planned
Civil	Essential Life Skills for Civil Engineering Professionals	40	60	Planned
E&TC	Cyber secure India	40	200	planned
Mechanical	Supply Chain Management	200	30	On Going
	Sustainable Design by using CAD modelling	40	30	Planned
	Organisational Behaviour	40	150	Planned
Design	NIl			
SESH	Digital Engineering	30	770	completed

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

2.c: Curriculum Feedback (2023-24)

School/ Department	Feedback by Students	Feedback by Teachers	Feedback by Alumni	Feedback by Industry
Chemical	•Put courses to AI, ML and other digital advancements in Particular discipline Good curriculum for existing batch	Core subject may be increased & emphasis should be on core subjects	•New and relevant topics such as climate change, supply chain management, modeling and simulation using software tools, etc., should be included in academic curricula. •Process safety related subjects need to include in the syllabus	•New and relevant topics such as climate change, supply chain management, modeling and simulation using software tools, etc., should be included in academic curricula.
Computer	Overall good curriculum structure for current batch	Number of core courses to be increased	Overall curriculum is good and flexible Hybrid mode of course delivery (At least one day)	Overall curriculum is good. RestAPI can be included into curriculum. MDM courses from other departments need to be made available as per industry needs
Civil	Enhanced Industry interaction, Placement in Core Companies,	Inclusion of more core courses.	Add more skill courses in curriculum, add the latest equipments in the laboratory.	Include Emerging Trends courses related to civil engineering industry.
E&TC	Core placements to be enhanced	More core courses	Core concepts to be enhanced,	Inclusion of Skill courses like web technology
Mechanical	Enhanced Industry interaction	Inclusion of more core courses.	Need to strengthen Fundamental Knowledge , Including software courses	Include Emerging Technology related courses. Thrust on Communication skills

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

School/Department	Feedback by Students	Feedback by Teachers	Feedback by Alumni	Feedback by Industry
Design	Course contents & preparation by faculties - Above Average to Very Good.	In some cases, Insufficient time for preparing courses contents, and materials available for labs.	NA	Some of the projects should insist on Practical implementation.
SESH	Very good	Very Good	Aligned with current needs	Included all skills

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Annexure –II

Teaching-learning and evaluation process

School/Department	Pedagogical initiatives	Examination Reforms
Chemical	Project Based learning: Mini mature Event, Model making event, problem based learning, Experiential Learning: Industrial Visit, Poster presentation, Joyful Learning	Yes, Course: Chemical process Technology Type: Project Based Learning Simulation studies of manufacturing processes
Computer	Problem Based Learning, Project Based Learning. Collaborative learning, Experiential Learning	TY course: Software Engineering TY course: Deep Learning
Civil	Project Based Learning, Problem Based Learning. Collaborative learning, Experiential Learning	Nil
E&TC	Teaching reforms in the courses like EM	Yes Course: Type: Project Based Learning Simulation studies in mathematical models in Electromagnetic Engineering
Mechanical	Project Based Learning, Problem Based Learning. Collaborative learning, Experiential Learning	Project Based Learning- Heat Transfer, Refrigeration and Air Conditioning, Sustainable Design
Design	Emphasis on Creating variety of concepts, Divergent thinking in output.	Jury focusing on only project based courses, for better inputs from Jury members.
SESH		

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

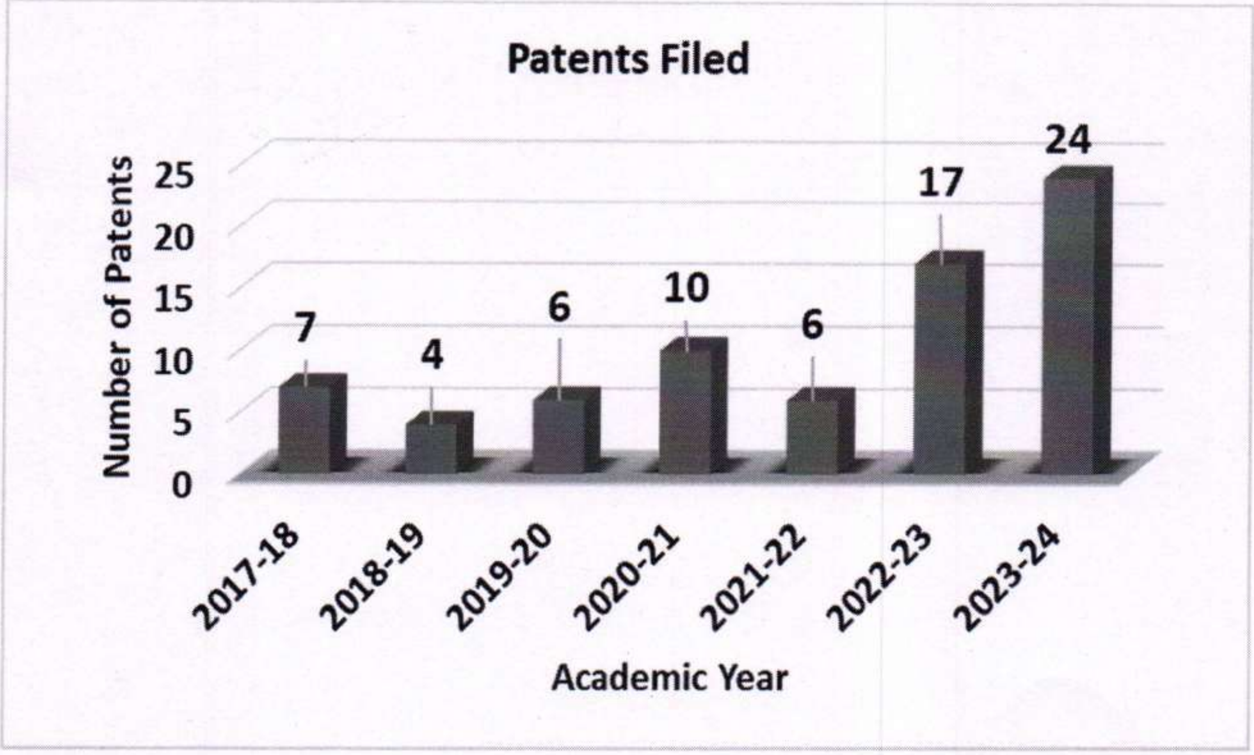
Annexure –III

R&D initiatives

- **World IPR Day** celebrated with filing 65 IPRs on 26 April 2024
  - ○ **Design: 43 IPRs**

  (Industrial Designs: 12, Copyrights: 14, Trademarks: 17)
  - ○ **Engineering: 22 Patents**

  (Mechanical:7, Chemical:4, Computer:3, E&TC:6, Civil:2)
- **Research Publications**
  - ○ Journal Papers:49, Conference Papers:47, Book Chapters:02



MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

Industrial Consultancy

Sr. No.	School	Name of the industry	Sanctioned Consultancy Amount (Rs.)	Amount received till 30th April 2024 (Rs.)
1	Mechanical	USDC/ IGW	3,50,000	70,400
2	Mechanical	Havi Engineering	10,000	10,000
3	Civil	M/s Siddhi Consulting Engineers Pvt. Ltd.	3,50,000	87,500
4	Chemical	Tambe Enterprises	53,000	53,000
		Total	7,63,000	2,20,900

Status of Seed Funding Sanctioned

Sr. No.	School	No of Projects	Seed Funding Requested	Seed Funding Recommended – Stage- 1
1	E&TC	7	2,30,231.00	1,04,847.00
2	MECHANICAL	10	10,91,950.00	2,92,000.00
3	CHEMICAL	5	3,61,000.00	81,000.00
4	CIVIL	2	6,30,000.00	50,000.00
	Total	24	23,13,181.00	5,27,847.00

MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105

Annexure –IV

T&P initiatives

- **292 students (2024 batch)** have been placed through campus placement with average package **6.19 LPA**
- **475 students (2024 batch)** enrolled for Semester Long Internship Program (SLIP) in Jan-Feb 2024
- **169 (2024 batch)** students have taken the advantage of Year Long Internship Program (YLIP) during academic year 2023-24.
- **60+ students (2024 batch)** are selected for SIP+YLIP since 01 May 2024
- Phase - I training sessions started for second batch of **SUPER 30**.
- Product Audit - II (Technical PI + GD) conducted in April 2024 for TYBTECH students. **39 senior alumni** supported for the same.

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Annexure –V

Entrepreneurship development cell initiatives

- Organised Global Entrepreneurship Catalyst Symposium (Oct 2023)
- A competition is organised for students (Jan 2024) to transform projects to products: 3 groups are awarded with seed funds and registered as incubatee in MITAoE EDF
- Best performing student volunteers(e-cell and IIC members) of the symposium and P2P competition are rewarded by offering IUCEE course on Entrepreneurship
- MOUs signed: 2 (AmpliNxt and Avantika University)
- Updated marks in the Appraisal form of Faculty: Newly added 5 marks for becoming mentor to startups + 20 marks allocated for registering faculty startup
- Framed strategies for implementing IIC activities to improve ranking
- Delivered sessions for outreach: IP awareness and incubation to other institutes, entrepreneurship awareness session for Women organisation, etc.
- MOTAoE EDF website restructured for better engagement- in progress

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –VI

Strategic Plan (Quarter-III) 2023-24

a. Teaching-learning Process

1	Teaching Learning Process 2023-2024	Target	Outcome
1.1 Academic Framework			
1.1.1	Curriculum Flexibility (% of Credits)	25% Flexible	32 [51/163]
1.1.1	Curriculum Revision (% of Contents)	30% Revision	30
1.2 Industry Engagement			
1.2.1	Expert Talk (No.)	100 Session	60
1.2.1	Skill Courses (No.)	30 Courses	48
1.2.3	Laboratory Collaboration (No.)	4	5
1.3 Teaching Learning Centre			
1.3.1	Faculty Development Programs (No.)	7	12
1.3.2	Professional Courses (per faculty)	200	139
1.3.3	Assessment Reform (10% of Credits)	Min 16 Credits	10% (7 courses)
1.3.4	Digital Content Creation (No. of Courses)	10 Course	13
1.3.5	Professional Certificate Courses	3	21

b. Research and Consultancy

	Target	Achieved
Journal Papers	35	49
Conference Papers	80	47
Book Chapters	10	02
Patents filed	20	24
External Funding	2 per program	NIL
Engg Consultancy	8	4
Design Consultancy	6	NIL
Seed Money	2 per program (12 Nos)	23 Nos

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

c. Student Support & Success

Sr.No.	PARTICULARS	Targets 2023-24	Targets Quarter I, II & III	Achieved Quarter I, II & III
3.1	Employability- Training programs	12	10	9
3.2	SIP(Industry) – No. of students	500	500	708
3.3	SIP – No. of industry offers	450	450	247
3.4	SLIP – No. of students	250	250	475
3.5	SLIP – No. of industry offers	100	100	160
3.6	Placement – No. of students	500	400	293
3.7	Placement – No. industry offers	360	280	219
3.8	Placement - Average Salary (in Lakhs)	5.8	5.8	6.19
3.9	Higher Studies – No. of students	60	60	12

d. Enhanced Student Experience

Sr.No.	PARTICULARS	Targets 2023-24	Status
a	Technical-Participation (Nos.)		
b	Number of Technical competitions	110	45
c	Number of Technical achievements	35	50
d	Total number of students participation in various student events	1500	5800+
e	Total number of students Achievements	60	62
f	Number of events /competitions to have participated	100	60
a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	50	55
c	National level technical event(No.)	2	2
d	Sports events(Nos.)	5	17
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0
B	No of students involved	40	0

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

e. Enhanced Alumni Engagements

Sr.No.	PARTICULARS	Targets 2023-24	Targets Quarter I, II & III	Achieved Quarter I, II & III
5.1	Alumni activities	80	60	53
5.2	Alumni meet (school/institute level)	8	6	6
5.3	Alumni meet – Student involvement	800	600	450
5.4	Alumni - Sponsorship (Nos.)	7	5	4
5.5	Alumni – Internship / placement offers	80	60	58
5.6	Distinguished Alumni / Recognition Appreciation	7/40	5/30	9/22

f. People & welfare

Key Performance Indicators	Target	Quarter-III Status
Faculty Strength (no.)	177	205 (Including Industry faculty)
Engineering (Faculty : Student ratio)	1:18	1:17
Design (Faculty : Student ratio)	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	60%
Employee Satisfaction (%)	75	To be conducted next academic term

MIT ACADEMY OF ENGINEERING
Alandi(D), Pune-412105

g. Social Media Connect

Social Post Activities

Sr no.	Types of Social Content	Content live on Socials.
1	Infrainfrastucture	4
2	Student Testimonial	8
3	Dean and Professors testimonials	11
4	Events	41
5	campus video	3
6	library	1
7	placements	1
8	Website	2
9	Stories	206
10	Scicon video	1
11	Ragging prohibited video	1
12	Daily Social posts till now	117

h. Entrepreneurship and Innovative Ecosystem

8	**Entrepreneurial & Innovation Ecosystem**	Target	3rd Qtr
8.1	IE Awareness and Promotional activities	12	12(2)
8.2	Networking	6	8(2)
8.3	Upskilling and Outreach program	6	5(2)
8.4	Alumni engagement activities	4	3(1)
8.5	Project to Product (P2P)Transformation Program	8	3(1)
8.6	No of student startup	30	17+ 11(SISF)
8.7	Infrastructure and facilities-Incubatee Seating space	25	0
8.8	Patents at MITAOE EDF	8	1(1)
8.9	Crazy quilt with mentor, investor and channel partner	40	31(5)

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

i. Campus & Services

1] Existing 500 Mbps Lease line -
Upgrading the Internet Lease line Connectivity upto 1 Gbps and further to 2 Gbps in progress.
Upgradation of Base Network Infrastructure is in process.

2] Strengthening WIFI Campus coverage is in process. Parallel WIFI Network Connectivity.

3] Campus CCTV Surveillance is in process.

j. Sustainability

S.No.	**PARTICULARS**	**2023-24**					
10	**Sustainability**	**Target Set**	**1st Qtr**	**2nd Qtr**	**3rd Qtr**	**4th Qtr**	**Target Achieved**
10.1	Transport Pollution Carbon Footprint Reduction (%)	**15**	9	10	12	15	**15**
10.2	**Energy**						
10.2.1	Reduction in Energy Consumption	**17**	10	12	14	17	**17**
10.2.2	Solar Energy (% of variance) - present total is 80%	**45%**	-	-	-	45	**45%**
10.3	**Water**						
10.3.1	Water Consumption (Reduction %)	**45%**	35	40	45	45	**45%**
10.3.2	Rain water harvesting (Nos)	**1**	-	-	-	1	**1**
10.4	**Plastic**						
10.4.1	Bottles purchased (Reduction %)	**80**	60	70	75	80	**80**
10.5	**Paper**						
10.5.1	Paper printing (reduction %)	**50**	45	-	-	50	**50**
10.5.2	Paper recycling (increase %)	**30**	-	25	-	30	**30**
10.6	**Waste**						
10.6.1	Food waste (reduction %)	**40**	-	30	35	40	**40**
10.6.2	Vermi Compost (increase %)	**30**	-	25	-	30	**30**
10.7	**Green Campus**						
10.7.1	Land Scaping (increase %)	**30**	-	-	-	-	**30**
10.7.2	Maintenance(reduction %)	**30**	-	25	-	30	**30**
10.7.3	Home-grown organic produce	**20**	-	-	-	20	**20**
10.8	**Awareness and Training Sessions per year**						
10.8.1	Students	**12**	-	11	-	12	**12**
10.8.2	Employees	**2**	-	1	-	1	**2**

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Format No. IQAC/DI/05 Rev. No.: 00 Rev. Date: 01/07/2024

MIT Academy of Engineering (An Autonomous Institute)	**Agenda of the Meeting**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**30th August 2024**
	MEETING NO.	:	**IQAC/2023-24/04**

IQAC meeting 4 for the academic year 2023-24 is scheduled on Friday, 30th August 2024 at 2.00 pm in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/03) and review the action taken report.
2. To discuss the result analysis for academic year 2023-24.
3. To review the strategic plan for 2023-24.
    - a. Teaching-leaning Process
    - b. Research and Consultancy
    - c. Student Support & Success
    - d. Enhanced Student Experience
    - e. Enhanced Alumni Engagements
    - f. People & welfare
    - g. Social Media Connect
    - h. Entrepreneurship and Innovative Ecosystem
    - i. Campus & Services
    - j. Sustainability
4. Proposal for new next three-year strategic plan (2024-25 to 2026-27)
5. Any other point with the permission of the chair

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D. Goudar** **IQAC – Chairman, Director**

MIT Academy of Engineering (An Autonomous Institute)	**MINUTES OF THE MEETING**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**30th August 2024**
	MEETING NO.	:	**IQAC/2023-24/04**

IQAC meeting 4 for the academic year 2023-24 is scheduled on Friday, 30th August 2024 at 2.00 pm in blended mode.

The agenda for the same is as follows:
To confirm the previous minutes of meetings (IQAC/2023-24/02) and review the action taken The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/03) and review the action taken report.
2. To discuss the result analysis for academic year 2023-24.
3. To review the strategic plan for 2023-24.
    a. Teaching-leaning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
4. Proposal for new next three-year strategic plan (2024-25 to 2026-27)
5. Any other point with the permission of the chair

MINUTES OF THE MEETING

The fourth meeting of IQAC for the academic year 2023-2024 was held on Friday, 30th August 2024 at 2.00 pm in blended mode.
Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof. (Dr.) Mahesh Goudar
2. Prof.(Dr.) Shitalkumar Jain
3. Prof. (Dr.) Rajeswari Goudar
4. Dr. Suyogkumar Taralkar

	5. Mr. Pravin Pawar (Online) 6. Mr. Girish Bora (Online) 7. Prof.(Dr.) Balasaheb Waphare (Online) 8. Prof.(Dr.) Sunita Barve 9. Prof. Avinash Bhalerao 10. Prof.(Dr.) Abhijeet Malge 11. Prof. Sunilkumar M.Bhagat **The leave of absence was granted to the following members** 12. Dr. Vaishali Wangikar 13. Prof. (Dr.) Shyam Shukla 14. Dr. Arika Kotha 15. Dr. Sandeep Shewale 16. Prof.(Dr.) Dipti Sakhare 17. Mr. Shridhar Khandekar 18. Prof.(Dr.) Prafulla Hatte 19. Mrs. Vandana Khandelwal 20. Mr. Piyush Kumar 21. Dr. Pramod Kothmire 22. Prof. (Dr.) Anant Chakradeo 23. Mr. Anil Bhat 24. Ms. Srushti Jadhav 25. Mr. Mangesh Humbad
01	**To confirm the previous minutes of meetings and review the action taken report.** **Discussion and Resolution:** The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks. The previous minutes of the meeting (Meeting-3, 2023-24, May 22nd, 2024) and review on the action taken report were discussed and confirmed by all members of IQAC. **Responsibility:** Dean QA
02	**To discuss the result analysis for academic year 2023-24.** **Discussion and Resolution:** IQAC – Coordinator presented the result analysis for academic year 2023-24 and compared with results of 2021-22 and 2022-23. The result for academic year 2023-24 is lower than previous years. This is mainly due to the online examination conducted during 2021-22 and the quality of student's intake for 2023-24 passing out batch. **Details are given in Annexure –I** **Responsibility:** Dy. Director-AR, All School Deans
03	**To review the strategic plan for 2023-24.** **Discussion and Resolution:** IQAC – Coordinator presented the strategic plan for 2023-24. a. Teaching-leaning Process b. Research and Consultancy c. Student Support & Success

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

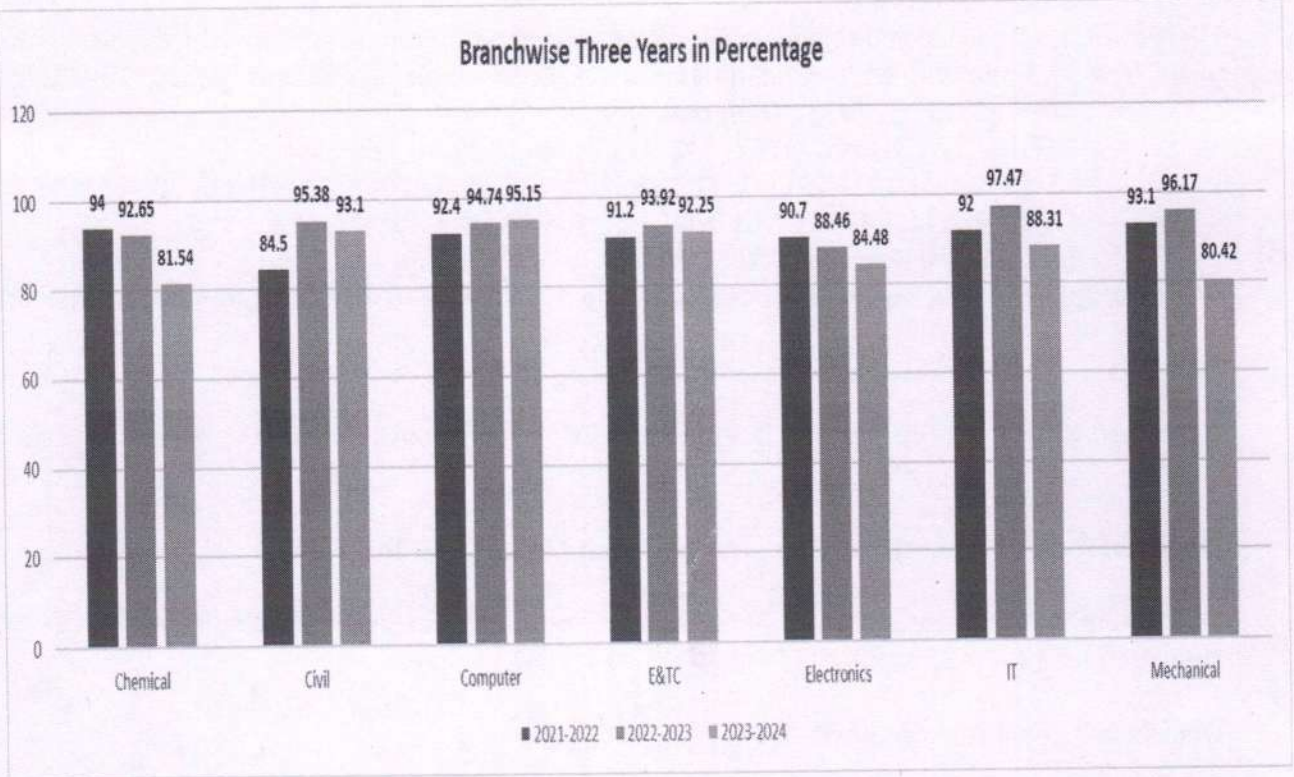
	d. Enhanced Student Experience e. Enhanced Alumni Engagements f. People & welfare g. Social Media Connect h. Entrepreneurship and Innovative Ecosystem i. Campus & Services j. Sustainability Discussion was also carried out on achievements in terms of various rankings during academic year 2023-24. Following are the details of rankings achived during academic year 2023-24. OBE Ranking– 2024 : Diamond, DIGITAL AND SMART CAMPUS Ranking-2024: Top 250, SUSTAINABLE INSTITUTIONS OF INDIA GREEN RANKINGS 2024: Gold, GRADUATE OUTCOME WORLD RANKING-2024: Gold, India Today Ranking, IIRF, etc. The chairman of IQAC suggested to participate in Mental Health & Wellbeing (MHW) Rankings 2024-25. **Details are given in Annexure –II** **Responsibility:** Dy. Director-AR, Dy. Director-CR, Registrar, All School Deans, and all Section Head
04	**Proposal for new next three-year strategic plan (2024-25 to 2026-27)** **Discussion and Resolution:** IQAC – Coordinator presented the proposal for the next three-year strategic plan (2024-25 to 2026-27) **Details are given in Annexure –III** **Responsibility:** Dy. Director-AR, Dy. Director-CR, Registrar, All School Deans , All Section Head
05	**Any other point with the permission of Chair.** IQAC Coordinator proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	**IQAC Chairman**
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

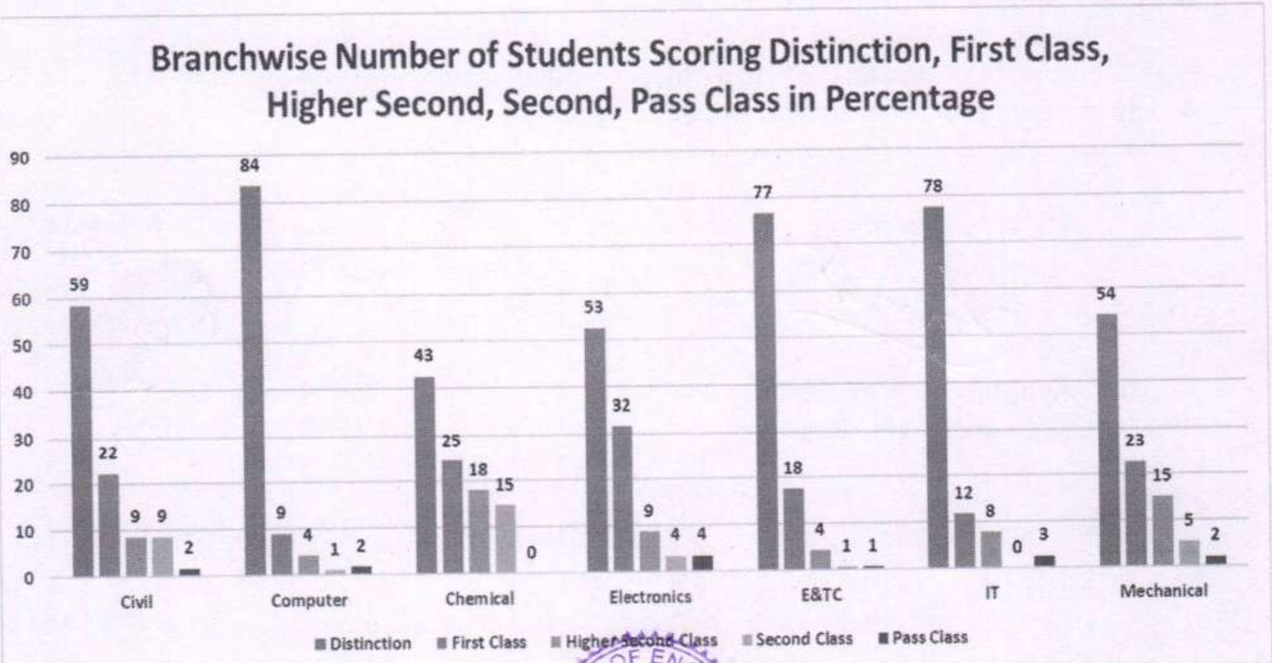
MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –I

Results of Academic Year 2021-22, 2022-23 and 2023-24



Results of Academic Year 2023-24



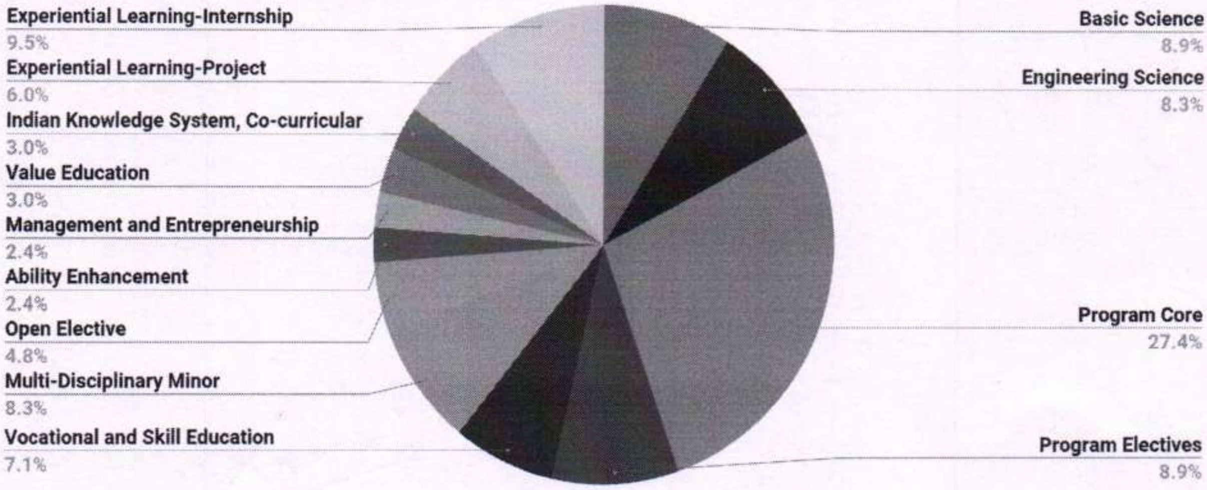
MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –II

Strategic Plan of past three years 2021-22, 2022-23, 2023-24

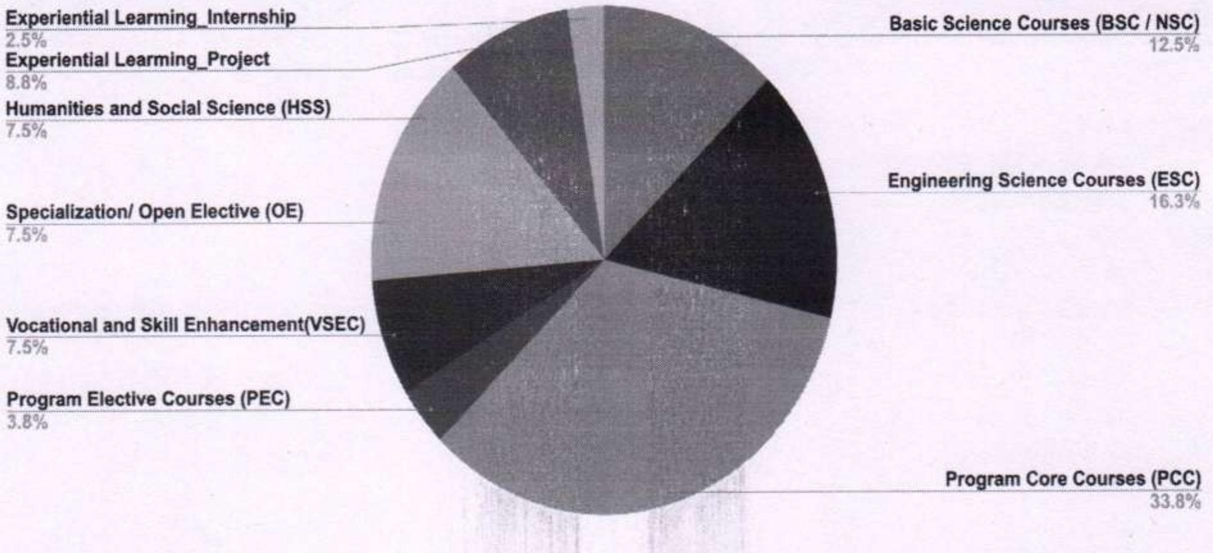
Sr. No.	Parameter	2021-2022		2022-2023		2023-2024	
		Target	Achieved	Target	Achieved	Target	Achieved
1	Admissions a) Engineering b) Design	714 (95%) 90	618 (87 %) 56 (62%)	714 (95 %) 90	680 (95.2 %) 75 (83.3%)	816 (95 %) 90	666 (82 %) 87 (96%)
2	Signup Leads	1500		• 2000		• 2500	
3	Academic Flexibility - 20 %	18	28	22	35	25	32
4	Research Publications	90	62	110	121	125	184
5	IPR	10	10	15	17	20	25
6	Consultancy (Research / Consultancy)	6	2	12	1	14	4
7	a) Placement b) SLIP c) YLIP d) Higher Studies	440 150 Nil 30	497 325 Nil 9	480 200 Nil 45	504 407 Nil 7	500 250 100 60	426 ($) 475 169 12($)
8	Average Salary (LPA)	5.0	5.56	5.4	6.0	5.8	5.98
9	Startups	20	12	25	16	30	28(&)
10	Accreditations NBA NAAC	 1 A+	 1 ($)	 3 A+ (3.3)	 3 A (3.15)	 1 NA	 1 NA

AUTONOMY REVISION 2.0 (2023)



MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

AUTONOMY REVISION 1.0 (2019)



Multi-Disciplinary Minor (MDM) List: 05 Courses and 14 Credits

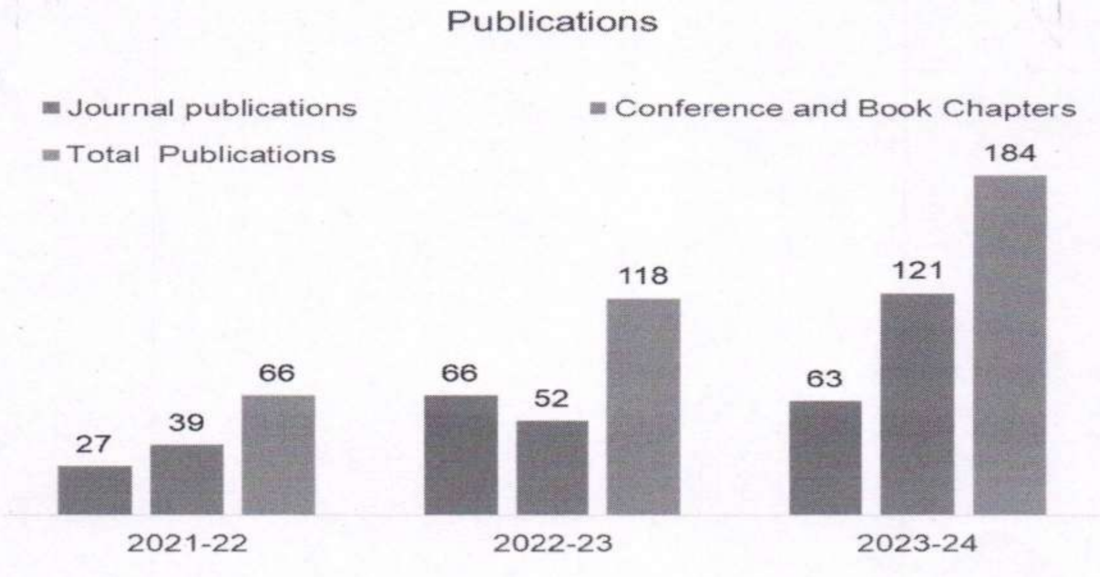
Programme Name	Track Name	Semester IV (MDM-I)	Semester V (MDM-II)	Semester VI (MDM-III)	Semester VII (MDM-IV)	Semester VIII (MDM-V)
		Course Name	Course Name	Course Name	Course Name	Course Name
Chemical	Chemical Engineering (Green Sustainability)	Sustainability Informatics	Environmental Engineering	Sustainable Engineering and Life Cycle Assessment	Green technology	SWAYAM Course
Civil Engineering	Civil Engineering (Infrastructure and Sustainability)	Material Engineering	Smart Cities	Sustainable Engineering	Environmental Planning & Impact Assessment	SWAYAM Course
Computer Engineering	Computer Engineering (Cloud Computing)	Engineering Informatics	Cloud Computing Foundations	Cloud-Native Application Development	Cloud Native DevOps	SWAYAM Course
AIML	Artificial Intelligence And Machine Learning	Engineering Informatics	Artificial Intelligence & Machine Learning	Deep Learning	Generative AI	SWAYAM Course
Electronics	Healthcare Technologies	Engineering Informatics	Fundamentals of Healthcare Technologies	Healthcare Informatics	AI in Healthcare	SWAYAM Course
ENTC	Blockchain Technologies	Engineering Informatics	Cyber Security Essentials	Network Security	Blockchain Technology Applications	SWAYAM Course
Mechanical Engineering	Computer Aided Engineering and Automation	Engineering Informatics	CAD Automation and Customisation	Computer Aided Simulation	Industrial Automation	SWAYAM Course
	Robotics and Automation	Engineering Informatics	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
MITACSC	Business Administration	Principles and Practices of Management	Organizational Behavior	Production and Operation Management	Micro and Macro Economics	SWAYAM Course
Entrepreneurship Cell	Innovation and Entrepreneurship	Engineering Informatics	Foundational Course in Entrepreneurship	Advanced Course in Entrepreneurship	Startup and Incubation	SWAYAM Course
B. Design	Design for Engineers	Principles of Design	Packaging Design	Introduction to UI-UX	Mini Design Project	SWAYAM Course

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

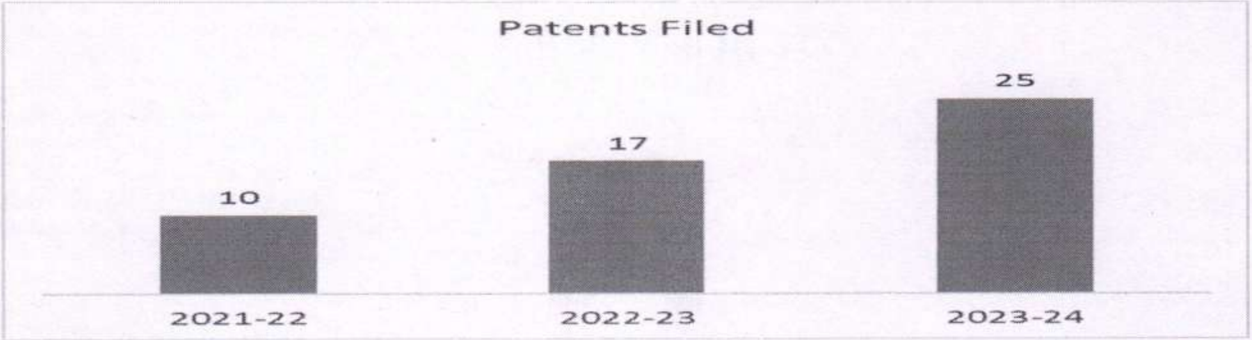
List of Vocational Skill Enhancement Course (VSEC): 6 Courses and 12 Credit

Programme Name	VSEC Course 1	VSEC Course 2	VSEC Course 3	VSEC Course 4	VSEC Course 5	VSEC Course 6
Chemical	Computer Aided Engineering Drawing	Computer Aided Chemical Engineering	Computer Application for Chemical Engineers	Data Analytics in Chemical Engineering	Practicum for Chemical Engineers I	Practicum for Chemical Engineers-II
Civil	Computer Aided Engineering Drawing	Surveying and Geomatics	Building Information Modeling-I	Data Analysis	Analysis & Design of Building Systems/ Building Information Modeling-II	Drone Surveying/ Hydraulic Modeling
Computer Engineering	Linux Fundamentals and Programming	Data Visualization	Problem Solving Using OOP (C++) / (Java)	Core Java/ Advance Java	Linux Administration-I / Web Technology/ Mobile App Development / UI/UX Design	Linux Administration-II Cloud Services /Web and Desktop Application Development
Computer Engineering (Software Engg.)	Linux Fundamentals and Programming	Data Visualization	Problem Solving Using OOP (C++) / (Java)	Core Java/ Advance Java	Linux Administration-I Web Technology/ Mobile App Development / UI/UX Design	Linux Administration-II Cloud Services /Web and Desktop Application Development
Electronics Engineering	Electronics Workshop	Integrating Sensors and Actuators	Problem Solving Using OOP (C++/Java)	Data Structures /	DBMS/DS - Data Base Management System / Embedded Linux	RTOS/ Advance Data Science
Electronics & Telecommunication Engineering	Electronics Workshop	Integrating Sensors and Actuators	Problem Solving Using OOP (C++/Java)	Data Structures /	DBMS/DS - Data Base Management System / Embedded Linux	RTOS/ Advance Data Science
Mechanical	Computer Aided Engineering Drawing	Fab Lab	Problem Solving Using OOP (C++/Java) / Generative Design	Data Structures / Digital Twin	Computer-Aided Product Design	Mechanical Simulations

Research and Consultancy



MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105



Student Support & Success

Sr. No.	PARTICULARS	2021-22		2022-23		2023-24 *	
		Targets	Achieved	Targets	Achieved	Targets	Achieved
3.1	Employability- Training programs	8	**10**	10	**12**	12	**12**
3.2	SIP(Industry) – No. of students	400	**721**	450	**722**	500	**708**
3.3	SIP – No. of industry offers	350	**197**	400	**208**	450	**247**
3.4	SLIP – No. of students	150	**324**	200	**407**	250	**475**
3.5	SLIP – No. of industry offers	60	**97**	80	**148**	100	**160**
3.6	Placement – No. of students	440	**560**	480	**601**	500	**433**
3.7	Placement – No. industry offers	300	**238**	330	**278**	360	**284**
3.8	Placement - Average Salary (in Lakhs)	5	**5.78**	5.4	**6.05**	5.8	**5.98**
3.9	Higher Studies – No. of students	30	**11**	45	**13**	60	**9**

Student Support & Success

Sl. No.	Objective	Target	Status
a	Technical-Participation (Nos.)		
b	Number of Technical competitions	110	45
c	Number of Technical achievements	35	50
d	Total number of students participation in various student events	1500	
e	Total number of students Achievements	60	62
f	Number of events /competitions to have participated	100	60
a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	50	55
c	National level technical event(No.)	2	2
d	Sports events(Nos.)	5	17
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0

MIT ACADEMY OF ENGINEERING Alandi (D.), Pune-412105

Enhanced Student Experience

Sl. No.	Objective	Target	Status
a	Technical-Participation (Nos.)		
b	Number of Technical competitions	110	45
c	Number of Technical achievements	35	50
d	Total number of students participation in various student events	1500	
e	Total number of students Achievements	60	62
f	Number of events /competitions to have participated	100	60
a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	50	55
c	National level technical event(No.)	2	2
d	Sports events(Nos.)	5	17
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0

MIT ACADEMY OF ENGINEERING
Alandi(D.),
Pune-
412105

Enhanced Alumni Engagements

Sr.No.	PARTICULARS	Targets 2023-24	Achieved
5.1	Alumni activities	100	81
5.2	Alumni meet (school/institute level)	10	8
5.3	Alumni meet – Student involvement	1000	550
5.4	Alumni - Sponsorship (Nos.)	8	9
5.5	Alumni – Internship / placement offers	120	93
5.6	Distinguished Alumni / Recognition Appreciation	10/50	12/43

People & welfare

Key Performance Indicators	Target	Quarter-III Status
Faculty Strength (no.)	177	187
Engineering (Faculty : Student ratio)	1:18	1:19
Design	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	60%

Entrepreneurship and Innovative Ecosystem

	Entrepreneurial & Innovation Ecosystem	**Target**	**4th Qtr**	**Total**
8.1	IE Awareness and Promotional activities	**12**	2	**14**
8.2	Networking	**6**	0	**8**
8.3	Upskilling and Outreach program	**6**	3	**6**
8.4	Alumni engagement activities	**4**	1	**4**
8.5	Project to Product (P2P)Transformation Program	**8**	1	**4**
8.6	No of student startup	**30**	0	**17+11 (SISF)**
8.7	Infrastructure and facilities -Incubatee Seating space	**25**	0	**0**
8.8	Patents at MITAOE EDF	**8**	0	**1**
8.9	Crazy quilt with mentor, investor and channel partner	**40**	2	**33**

Campus & Services

No.	Parameter	Target	4th Quarter	Remark
1	Wi-Fi Infrastructure	100 %	85 %	Planning for extended WIFI Campus Coverage with upgraded wifi devices providing support upto 2 Gbps Internet BW
2	LMS Concurrent Users	3000 Users	1000 Users	Moodle Server - 1000
3	Internet Bandwidth	2 Gbps	500 Mbps	Planned to upgrade Internet BW with Speed of 1 Gbps in new Academic Year. Upgrading of old Network Switches is planned.
4	ERP	100 %	80%	
5	MATLAB License Unlimited (CWSSMS)	Std 60 AO 70	Campus Wide Suite	Master License: 31363365 License: 40737736 (All Products on Campus-Wide License are available to use.Valid Till 31 Oct 2024)
6	Turnitin Plagiarism (Concurrent Users)	1000 Users	2070 Users	Turnitin Plagiarism with AI integrated Tool Valid till 4th Oct 2024

Sustainability

A meeting was conducted on **"Green Campus Sustainability – MIT AoE Review"** for the **Academic Year 2024-2025 on 09th August 2024**. The meeting took place from **3 PM to 4 PM at the CE Office (Room A-002)**.

- The agenda included discussions on Green Campus Sustainability, Sustainability Targets with parameters (2024-27), probable sustainable solutions and implementation on the campus, and raising awareness while setting future agendas. The meeting was attended by **Dr. P. N. Sutar, Dr. M. P. Patil, Mr. K. Kanade, Ms. Swapnali Mohol, Ms. S. Shende, and Mr. Hussain S.** with absences noted from **Mr. S. Kabra and Dr. Shreekant Patil.**

Minutes of Meeting:

1 The meeting was held to discuss Green Campus Sustainability and the process of implementation.

2 Dr. P. N. Sutar elaborated on the processes and steps required for creating sustainable campuses.

3 Ms. S. Mohol highlighted challenges related to resources and difficulties in implementation, offering important points for consideration during the process.

4 Mr. K. Kanade raised concerns regarding the targets for water harvesting, which were thoroughly addressed by Dr. M. P. Patil.

5 Mr. Hussain assured that the projects could be aligned with campus sustainability initiatives and integrated into the Unnat Bharat Abhiyan. Related awareness activities will be initiated during NSS camps.

6 Ms. S. Shende mentioned that two villages have already been adopted under the Unnat Bharat Abhiyan, with their Civil team actively working on progress and improvement.

7 Dr. M. P. Patil shared the proposed sustainability targets for 2024-27 and suggested that necessary changes could be implemented by the weekend if required by the members.

8 Dr. M. P. Patil gave a vote of thanks to all members who participated in the meeting.

Other Achievements: 2023-24

Extension of Autonomy: 10 years (2024-25 to 2033-34)

Empowered Autonomy Status: 10 years (2024-25 to 2033-34)

EOMS: 21001: 2018

Ranking:

R
World Institutional
RANKING

OBE RANKING – 2024: Diamond

SUSTAINABLE INSTITUTIONS OF INDIA GREEN RANKINGS 2024: Gold

IIRF
SINCE 2015

Private Engineering Colleges in India
All India Rank: 85th
State Rank: 15th
Zone Rank: 17th

GU GLOBAL UNIVERSITY RANKINGS

DIGITAL AND SMART CAMPUS RANKING-2024: Top 250

GRADUATE OUTCOME WORLD RANKING-2024: Gold

INDIA TODAY

Top Engineering colleges: 114
Top Pvt Engineering colleges: 86

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –III

Proposal for new next three-year strategic plan (2024-25 to 2026-27)

Strategic Plan of next three years 2024-25, 2025-26, 2026-27

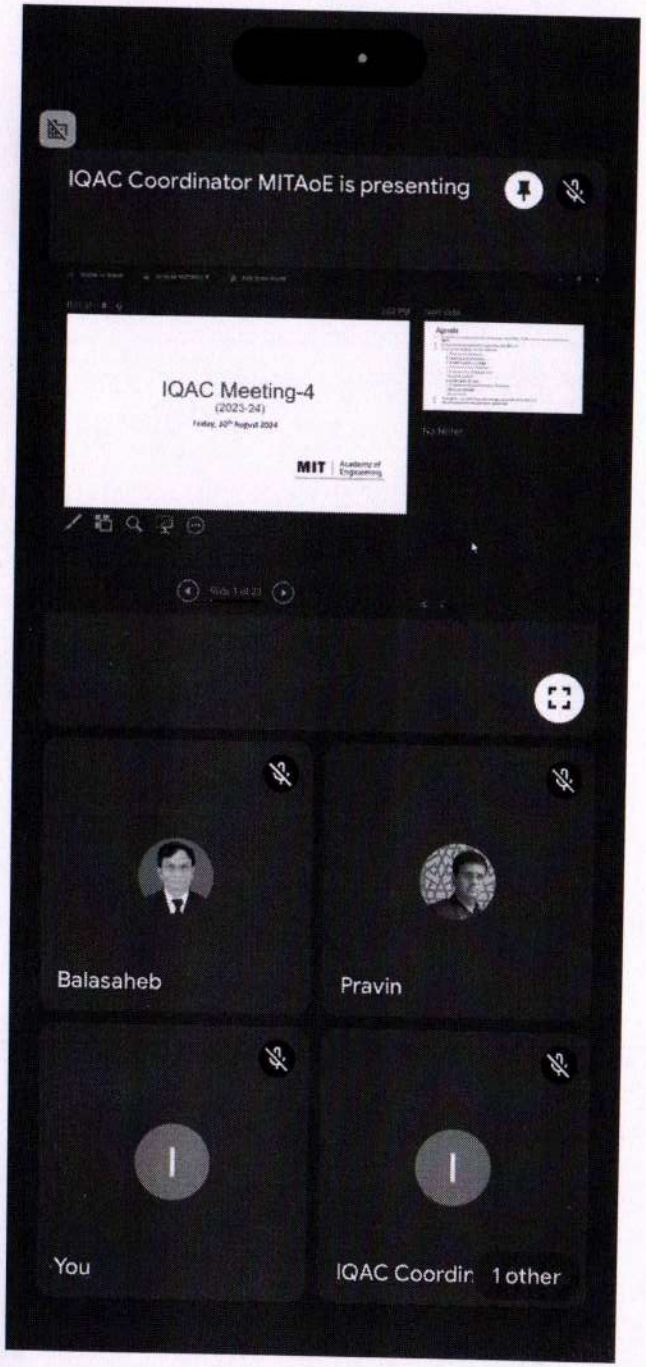
Sr. No.	Parameter	2024-25		2025-26		2026-27	
		Target	A	Target	A	Target	A
1	Admissions ($) a) Engineering b) Design (150 + 15)	(1190+198) 1317 (95 %) 142 (86%)		(1402+198) 1537 150 (91%)		(1642+264) 1843 150 (91%)	
2	Client Feedback (CSAT/ESAT)	7/10		7/10		7/10	
3	Process Automation	70%		80%		90%	
4	Research Publications (Journal + Conferenc) SCI or Scopus	175		200		225	
5	IPR (Patents / Copy Rights)	50		75		100	
6	People (Ecosystem for multi skilling and research culture) (No. of Events)	6		8		10	
7	a) Placement b) SLIP c) YLIP d) Higher Studies	500 350 200 25		600 400 250 30		650 450 300 35	
8	Average Salary (LPA)	6.0		6.4		6.8	
9	Startups	30		35		40	
10	Accreditations NBA (#) NAAC (#)	700/1000(#) A+ (3.3)(#)		700/1000 [4 Depts] A+ (3.3)(#)		700/1000 [1 Depts] A+ (3.3)(#)	

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
30/08/24 02:04 PM GMT +05:30

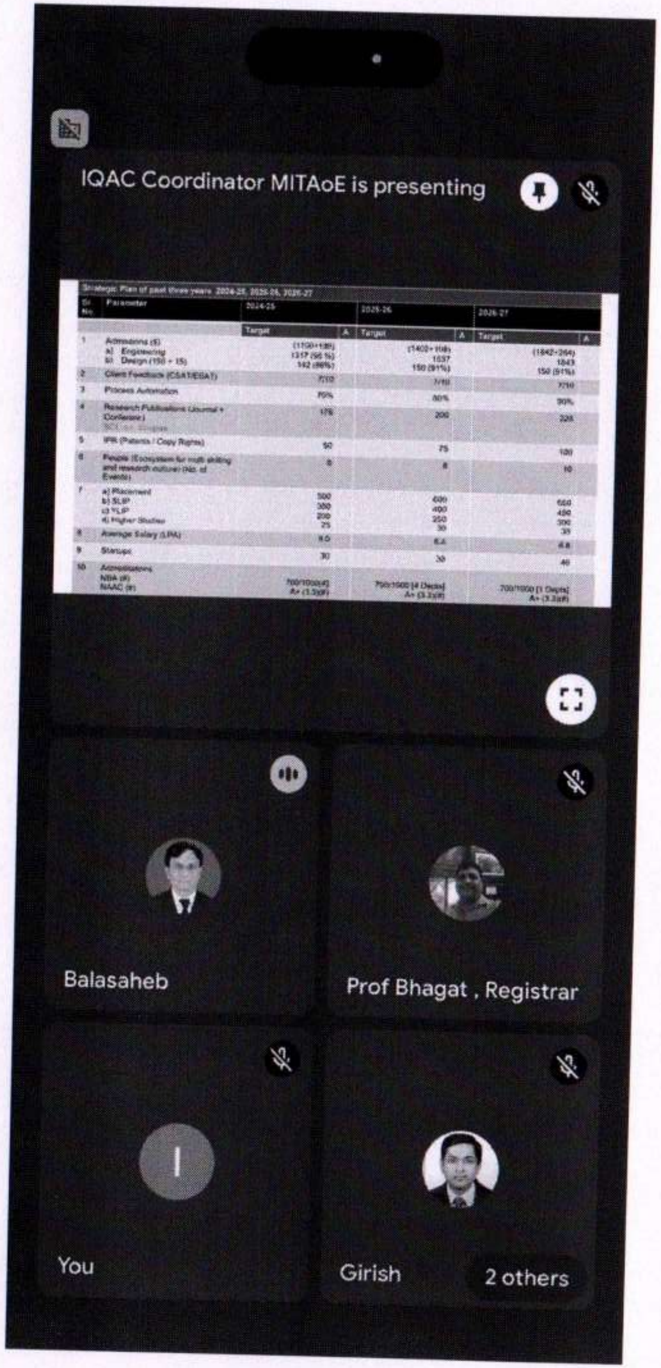
GPS Map Camera
Google
Pune, Maharashtra, India
OCR, MIT Academy of Engineering, Alandi, Maharashtra 412105, India
Lat 18.675001°
Long 73.892378°
30/08/24 02:04 PM GMT +05:30

Alandi(D.), Pune- 412105


IQAC Coordinator MITAoE is presenting
Agenda
No Notes
Balasaheb
Pravin
You
IQAC Coordir
1 other

IQAC Meeting-4
(2023-24)
Friday, 30th August 2024

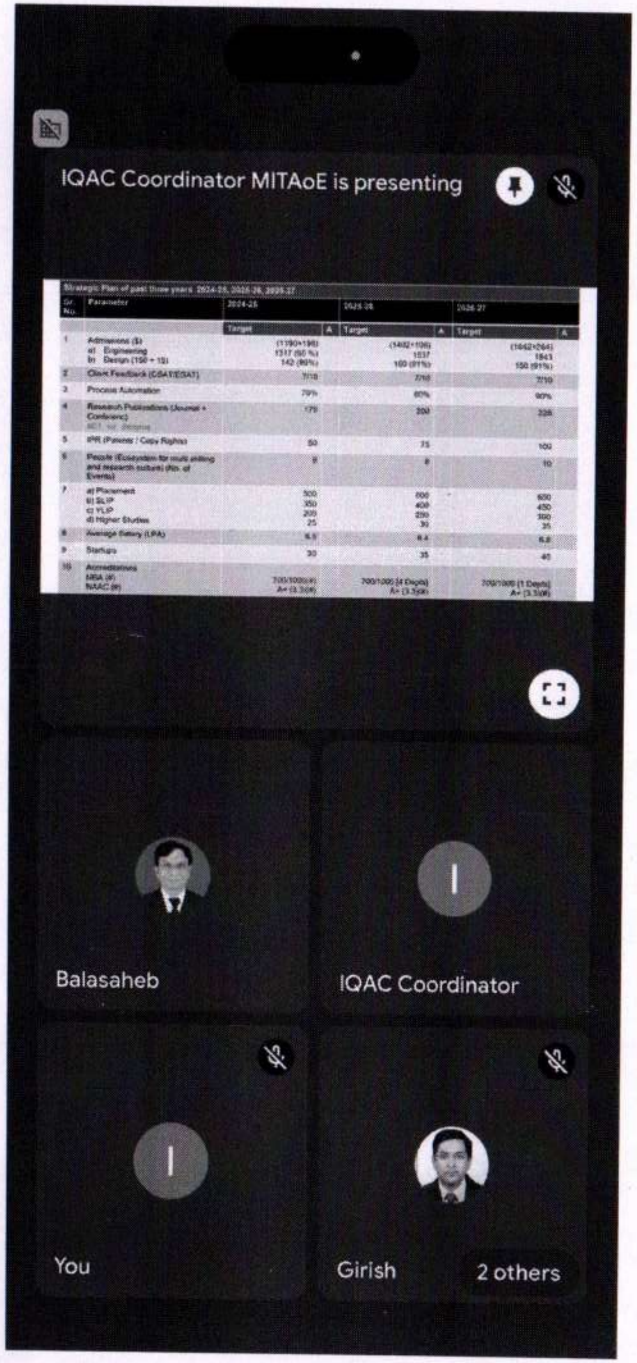
MIT | Academy of Engineering


IQAC Coordinator MITAoE is presenting
Balasaheb
Prof Bhagat , Registrar
You
Girish
2 others

Strategic Plan of past three years 2024-25, 2025-26, 2026-27

Sr No.	Parameter	2024-25		2025-26		2026-27	
		Target	A	Target	A	Target	A
1	Admissions (#) a) Engineering b) Design (150 + 15)	(1700+138) 1317 (95 %) 142 (86%)		(1400+108) 1037 150 (91%)		(1842+264) 1843 150 (91%)	
2	Client Feedback (CSAT/ESAT)	7/10		7/10		7/10	
3	Process Automation	70%		80%		90%	
4	Research Publications (Journal + Conference) SCI and Scopus	175		200		225	
5	IPR (Patents / Copy Rights)	50		75		100	
6	People (Ecosystem for multi skilling and research culture) (No. of Events)	6		8		10	
7	a) Placement b) SLIP c) YLIP d) Higher Studies	500 350 200 25		600 400 250 30		650 450 300 35	
8	Average Salary (LPA)	6.0		6.4		6.8	
9	Startups	30		30		40	
10	Accreditations NBA (#) NAAC (#)	700/1000(4) A+ (3.3[illegible])		700/1000 [4 Depts] A+ (3.3[illegible])		700/1000 [1 Depts] A+ (3.3[illegible])	

Alandi (D.), Pune-412105



IQAC Coordinator MITAoE is presenting

Strategic Plan of past three years 2024-25, 2025-26, 2026-27

Sr. No.	Parameter	2024-25		2025-26		2026-27	
		Target	A	Target	A	Target	A
1	Admissions ($) a) Engineering b) Design (150 + 15)	(1190+190) 1317 (90 %) 142 (90%)		(1402+106) 1537 160 (91%)		(1642+264) 1843 150 (91%)	
2	Client Feedback (CSAT/ESAT)	7/10		7/10		7/10	
3	Process Automation	70%		80%		90%	
4	Research Publications (Journal + Conference) [illegible]	175		200		225	
5	IPR (Patents / Copy Rights)	50		75		100	
6	People (Ecosystem for multi skilling and research culture) (No. of Events)	8		8		10	
7	a) Placement b) SLIP c) YLIP d) Higher Studies	500 350 200 25		600 400 250 30		600 450 300 35	
8	Average Salary (LPA)	6.5		6.4		6.8	
9	Startups	30		35		40	
10	Accreditations NBA (#) NAAC (#)	700/1000(4) A+ (3.30)		700/1000 (4 Depts) A+ (3.50)		700/1000 (1 Depts) A+ (3.50)	

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105

MIT Academy of Engineering (An Autonomous Institute)	**ATTENDANCE**
Alandi (D), Pune - 412 105	**ACADEMIC YEAR : 2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE** 30th August 2024 **MEETING NO.** IQAC / 2023-24 / 04

Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	
02	Prof.(Dr.) Shitalkumar. A. Jain	
03	Prof.(Dr.) Sunita S. Barve	SSBarve
04	Prof. Sunilkumar.M.Bhagat	Online
05	Prof. Avinash Bhalerao	
06	Prof.(Dr.) Abhijeet Malge	
07	Dr. Vaishali Wangikar	
08	Dr. Arika Kotha	
09	Dr. Shyam Shukla	
10	Prof.(Dr.) Rajeswari Goudar	30/8/24
11	Dr. Sandeep Shewale	
12	Prof.(Dr.) Dipti Sakhare	
13	Prof.(Dr.) Prafulla Hatte	
14	Mr. Shridhar Khandekar	
15	Mrs. Vandana Khandelwal	
16	Prof.(Dr.) Balasaheb. Waphare	Online
17	Prof.(Dr.) Anant Chakradeo	
18	Ms. Srushti Jadhav	
19	Mr. Mangesh Humbad	
20	Mr. Anil Bhat	
21	Mr. Pravin Pawar	Online
22	Mr. Girish Bora	Online
23	Dr. Suyogkumar Taralkar	

24	Mr. Piyush Kumar	
25	Dr. Pramod Kothmire	

MIT Academy of Engineering (An Autonomous Institute)	**Action Taken Report**		
Alandi (D), Pune - 412 105	**ACADEMIC YEAR**	:	**2023-2024**
INTERNAL QUALITY ASSURANCE CELL	**DATE**	:	**30th August 2024**
	MEETING NO.	:	**IQAC/2023-24/04**

IQAC meeting 4 for the academic year 2023-24 is scheduled on Friday, 30th August 2024 at 2.00 pm in blended mode.

The agenda for the same is as follows:
To confirm the previous minutes of meetings (IQAC/2023-24/02) and review the action taken The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2023-24/03) and review the action taken report.
2. To discuss the result analysis for academic year 2023-24.
3. To review the strategic plan for 2023-24.
    a. Teaching-leaning Process
    b. Research and Consultancy
    c. Student Support & Success
    d. Enhanced Student Experience
    e. Enhanced Alumni Engagements
    f. People & welfare
    g. Social Media Connect
    h. Entrepreneurship and Innovative Ecosystem
    i. Campus & Services
    j. Sustainability
4. Proposal for new next three-year strategic plan (2024-25 to 2026-27)
5. Any other point with the permission of the chair

MINUTES OF THE MEETING

The fourth meeting of IQAC for the academic year 2023-2024 was held on Friday, 30th August 2024 at 2.00 pm in blended mode.

Dr. Mahesh Goudar, Director and Chairman-IQAC, presided over the meeting and the following members were present for the meeting,

1. Prof.(Dr.) Sunita Barve
2. Prof. Sunilkumar M.Bhagat
3. Prof. Avinash Bhalerao
4. Prof.(Dr.) Abhijeet Malge
5. Prof. (Dr.) Shyam Shukla
6. Dr. Sandeep Shewale
7. Prof.(Dr.) Dipti Sakhare
8. Prof.(Dr.) Prafulla Hatte
9. Mrs. Vandana Khandelwal

10. Prof.(Dr.) Balasaheb Waphare (Online)
11. Mr. Pravin Pawar (Online)
12. Dr. Suyogkumar Taralkar
13. Mr. Vivek Chavan
14. Ms. Srushti Ghadge
15. Dr. A.D. Patil
16. Dr. V.V. Muthekar

The leave of absence was granted to the following members

1. Prof.(Dr.) Shitalkumar Jain
2. Dr. Vaishali Wangikar
3. Dr. Arika Kotha
4. Prof. (Dr.) Rajeswari Goudar
5. Mr. Shridhar Khandekar
6. Prof. (Dr.) Anant Chakradeo
7. Mr. Anil Bhat
8. Mr. Girish Bora (Online)
9. Mr. Piyush Kumar
10. Dr. Pramod Kothmire

01

To confirm the previous minutes of meetings and review the action taken report.

Discussion and Resolution:
The IQAC Coordinator welcomed all members to the meeting. With permission of the chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks.
The previous minutes of the meeting (Meeting-3, 2023-24, May 22nd, 2024) and review on the action taken report were discussed and confirmed by all members of IQAC.

02

To discuss the result analysis for academic year 2023-24.
Discussion and Resolution: IQAC – Coordinator presented the result analysis for academic year 2023-24 and compared with results of 2021-22 and 2022-23. The result for academic year 2023-24 is lower than previous years. This is mainly due to the online examination conducted during 2021-22 and the quality of student's intake for 2023-24 passing out batch.
Details are given in Annexure –I

Responsibility: School Deans

Action Taken:

Program	Result %	Reason	Action Taken
Chemical	81.54	The quality of students admitted to program is average. The PSYCOLOGY course results was also low.	Remedial classes were conducted for the students who were failed in regular exam.

Alandi(D.), Pune-412105

	Civil	93.10	The result of Psychology (83%) was low as compared to the other courses.	Remedial classes and doubt solving sessions were conducted for the failed students.
	Computer	95.15	The result of Database Management System(81.94%) was low as compared to the other courses.	Problem solving session and question paper solving conducted for SY students.
	E&TC		Result was affected due to Psychology	Remedial classes and doubt solving sessions were conducted for the failed students.
	Mechanical	80.42	The result was impacted due to psychology course in final year engineering .	Faculty will identify weak learner's and plan doubt clearing sessions.
	Design			

03

To review the strategic plan for 2023-24.

Discussion and Resolution: IQAC – Coordinator presented the strategic plan for 2023-24.

a. Teaching-leaning Process
b. Research and Consultancy
c. Student Support & Success
d. Enhanced Student Experience
e. Enhanced Alumni Engagements
f. People & welfare
g. Social Media Connect
h. Entrepreneurship and Innovative Ecosystem
i. Campus & Services
j. Sustainability

Discussion was also carried out on achievements in terms of various rankings during the academic year 2023-24. Following are the details of rankings achieved during the academic year 2023-24.
OBE Ranking– 2024: Diamond,
DIGITAL AND SMART CAMPUS Ranking-2024: Top 250,
SUSTAINABLE INSTITUTIONS OF INDIA GREEN RANKINGS 2024: Gold,
GRADUATE OUTCOME WORLD RANKING-2024: Gold,
India Today Ranking, IIRF, etc.

The chairman of IQAC suggested to participate in Mental Health & Wellbeing (MHW) Rankings 2024-25.

Details are given in Annexure –II

Responsibility: Dy. Director-AC, Dy. Director-CR, Registrar, Dean Chemical

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

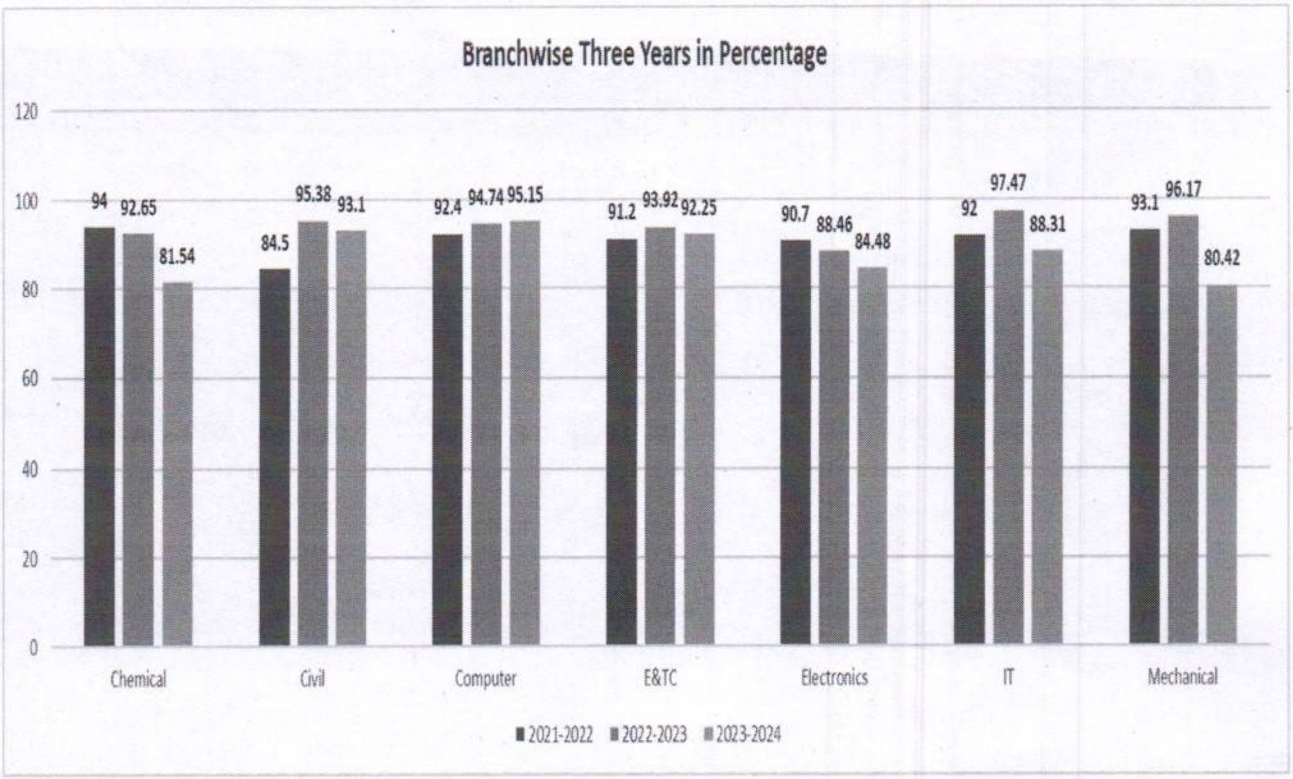
	Action Taken: Sustainability: All the targets set and ground level discussion in the last meeting are in process and allocated team is working on it. The task has been given to the allocated team and based on this, team have prepared data spreadsheet and required quotation for the same.
04	**Proposal for new next three-year strategic plan (2024-25 to 2026-27)** **Discussion and Resolution:** IQAC – Coordinator presented the proposal for the next three-year strategic plan (2024-25 to 2026-27) **Details are given in Annexure –III** **Responsibility:** Dy. Director-AR, Dy. Director-CR, Registrar, All School Deans, All Section Head **Action Taken:** **Chemical**: W.r.t accreditation point of view, SChE has conducted NBA MOCK audit and the total score is 571 out of 780 (73.20%) **Civil: -** School Conducted the External NBA Mock Audit on 25/10/2024 and the score is 555 out of 780. **Computer:** NBA mock Audit conducted on 10 October 2024 and total score is 605 out of 780.
05	**Any other point with the permission of Chair.** IQAC Coordinator proposed the vote of thanks to all members by expressing gratitude for their active participation in the entire proceedings of the meeting.

IQAC Coordinator	IQAC Chairman
Dr. Suyogkumar V. Taralkar **IQAC – Coordinator, Dean QA**	**Dr. Mahesh D Goudar** **IQAC - Chairman**

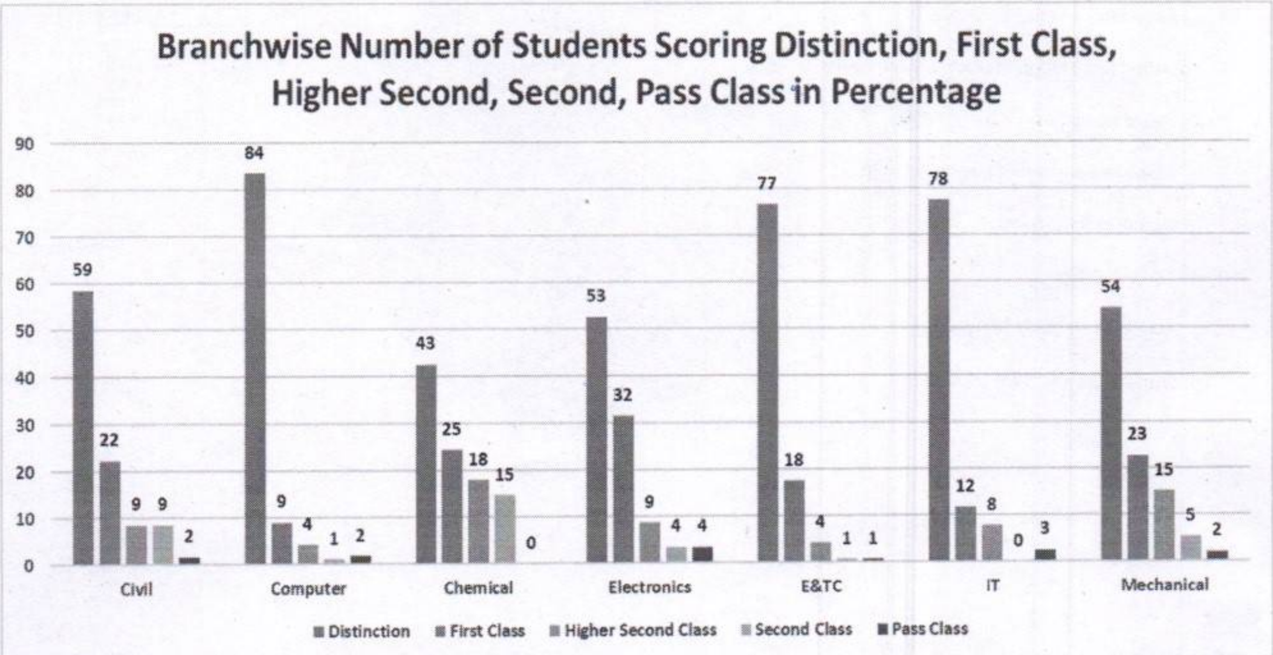
MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Annexure –I

Results of Academic Year 2021-22, 2022-23 and 2023-24



Results of Academic Year 2023-24

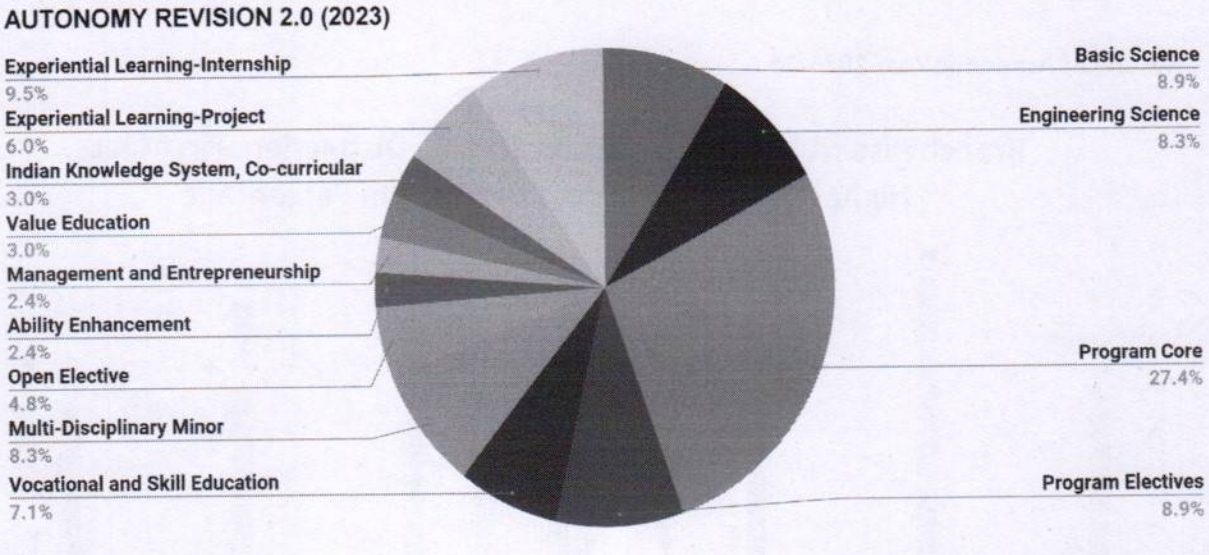


MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

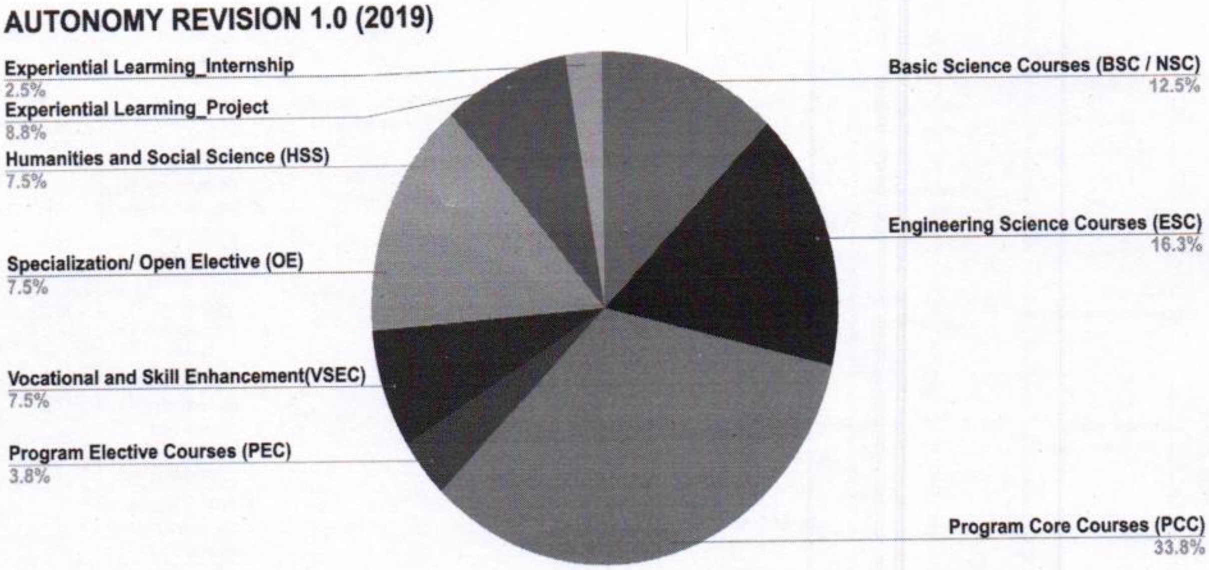
Annexure –II

Strategic Plan of past three years 2021-22, 2022-23, 2023-24

Sr. No.	Parameter	2021-2022		2022-2023		2023-2024	
		Target	Achieved	Target	Achieved	Target	Achieved
1	Admissions a) Engineering b) Design	714 (95%) 90	618 (87 %) 56 (62%)	714 (95 %) 90	680 (95.2 %) 75 (83.3%)	816 (95 %) 90	666 (82 %) 87 (96%)
2	Signup Leads	1500		• 2000		• 2500	
3	Academic Flexibility - 20 %	18	28	22	35	25	32
4	Research Publications	90	62	110	121	125	184
5	IPR	10	10	15	17	20	25
6	Consultancy (Research / Consultancy)	6	2	12	1	14	4
7	a) Placement b) SLIP c) YLIP d) Higher Studies	440 150 Nil 30	497 325 Nil 9	480 200 Nil 45	504 407 Nil 7	500 250 100 60	426 ($) 475 169 12($)
8	Average Salary (LPA)	5.0	5.56	5.4	6.0	5.8	5.98
9	Startups	20	12	25	16	30	28(&)
10	Accreditations NBA NAAC	 1 A+	 1 ($)	 3 A+ (3.3)	 3 A (3.15)	 1 NA	 1 NA



MIT ACADEMY OF ENGINEERING Alandi(D.), Pune-412105



Multi-Disciplinary Minor (MDM) List: 05 Courses and 14 Credits

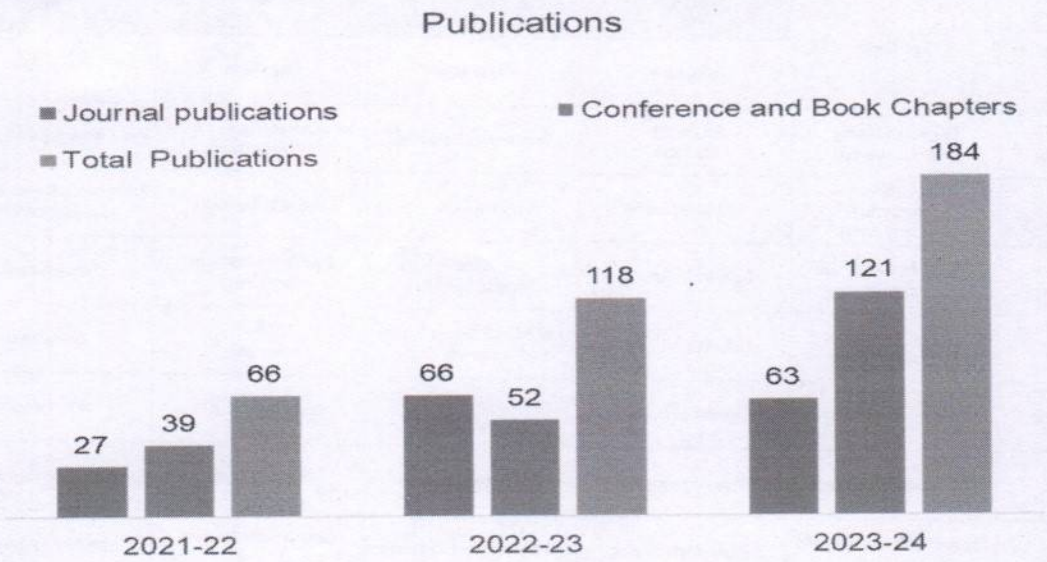
Programme Name	Track Name	Semester IV (MDM-I)	Semester V (MDM-II)	Semester VI (MDM-III)	Semester VII (MDM-IV)	Semester VIII (MDM-V)
		Course Name	Course Name	Course Name	Course Name	Course Name
Chemical	Chemical Engineering (Green Sustainability)	Sustainability Informatics	Environmental Engineering	Sustainable Engineering and Life Cycle Assessment	Green technology	SWAYAM Course
Civil Engineering	Civil Engineering (Infrastructure and Sustainability)	Material Engineering	Smart Cities	Sustainable Engineering	Environmental Planning & Impact Assessment	SWAYAM Course
Computer Engineering	Computer Engineering (Cloud Computing)	Engineering Informatics	Cloud Computing Foundations	Cloud-Native Application Development	Cloud Native DevOps	SWAYAM Course
AIML	Artificial Intelligence And Machine Learning	Engineering Informatics	Artificial Intelligence & Machine Learning	Deep Learning	Generative AI	SWAYAM Course
Electronics	Healthcare Technologies	Engineering Informatics	Fundamentals of Healthcare Technologies	Healthcare Informatics	AI in Healthcare	SWAYAM Course
ENTC	Blockchain Technologies	Engineering Informatics	Cyber Security Essentials	Network Security	Blockchain Technology Applications	SWAYAM Course
Mechanical Engineering	Computer Aided Engineering and Automation	Engineering Informatics	CAD Automation and Customisation	Computer Aided Simulation	Industrial Automation	SWAYAM Course
	Robotics and Automation	Engineering Informatics	Robot Fundamental & Kinematics	Robot Dynamics and Control	AI in Robotics	SWAYAM Course
MITACSC	Business Administration	Principles and Practices of Management	Organizational Behavior	Production and Operation Management	Micro and Macro Economics	SWAYAM Course
Entrepreneurship Cell	Innovation and Entrepreneurship	Engineering Informatics	Foundational Course in Entrepreneurship	Advanced Course in Entrepreneurship	Startup and Incubation	SWAYAM Course
B. Design	Design for Engineers	Principles of Design	Packaging Design	Introduction to UI-UX	Mini Design Project	SWAYAM Course

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

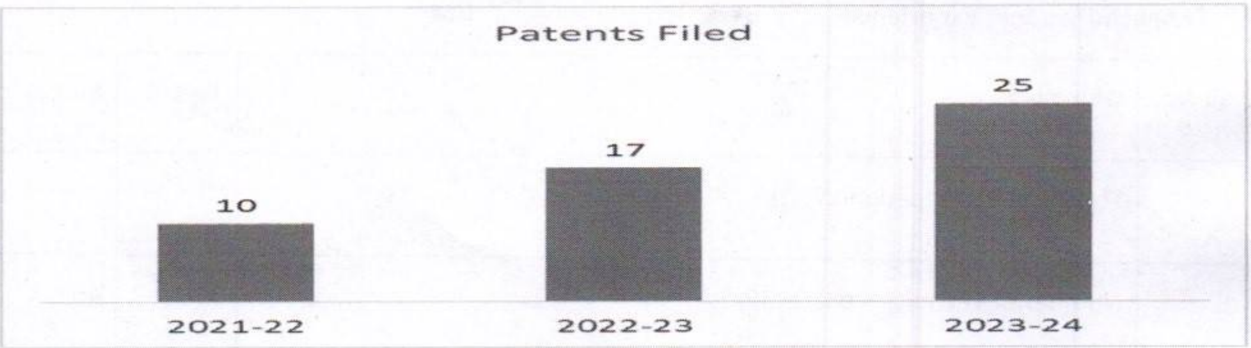
List of Vocational Skill Enhancement Course (VSEC): 6 Courses and 12 Credit

Programme Name	VSEC Course 1	VSEC Course 2	VSEC Course 3	VSEC Course 4	VSEC Course 5	VSEC Course 6
Chemical	Computer Aided Engineering Drawing	Computer Aided Chemical Engineering	Computer Application for Chemical Engineers	Data Analytics in Chemical Engineering	Practicum for Chemical Engineers I	Practicum for Chemical Engineers-II
Civil	Computer Aided Engineering Drawing	Surveying and Geomatics	Building Information Modeling-I	Data Analysis	Analysis & Design of Building Systems/ Building Information Modeling-II	Drone Surveying/ Hydraulic Modeling
Computer Engineering	Linux Fundamentals and Programming	Data Visualization	Problem Solving Using OOP (C++) / (Java)	Core Java/ Advance Java	Linux Administration-I / Web Technology/ Mobile App Development / UI/UX Design	Linux Administration-II Cloud Services /Web and Desktop Application Development
Computer Engineering (Software Engg.)	Linux Fundamentals and Programming	Data Visualization	Problem Solving Using OOP (C++) / (Java)	Core Java/ Advance Java	Linux Administration-I Web Technology/ Mobile App Development / UI/UX Design	Linux Administration-II Cloud Services /Web and Desktop Application Development
Electronics Engineering	Electronics Workshop	Integrating Sensors and Actuators	Problem Solving Using OOP (C++/Java)	Data Structures /	DBMS/DS - Data Base Management System / Embedded Linux	RTOS/ Advance Data Science
Electronics & Telecommunication Engineering	Electronics Workshop	Integrating Sensors and Actuators	Problem Solving Using OOP (C++/Java)	Data Structures /	DBMS/DS - Data Base Management System / Embedded Linux	RTOS/ Advance Data Science
Mechanical	Computer Aided Engineering Drawing	Fab Lab	Problem Solving Using OOP (C++/Java) / Generative Design	Data Structures / Digital Twin	Computer-Aided Product Design	Mechanical Simulations

Research and Consultancy



MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105



Student Support & Success

Sr. No.	PARTICULARS	2021-22		2022-23		2023-24 *	
		Targets	Achieved	Targets	Achieved	Targets	Achieved
3.1	Employability- Training programs	8	**10**	10	**12**	12	**12**
3.2	SIP(Industry) – No. of students	400	**721**	450	**722**	500	**708**
3.3	SIP – No. of industry offers	350	**197**	400	**208**	450	**247**
3.4	SLIP – No. of students	150	**324**	200	**407**	250	**475**
3.5	SLIP – No. of industry offers	60	**97**	80	**148**	100	**160**
3.6	Placement – No. of students	440	**560**	480	**601**	500	**433**
3.7	Placement – No. industry offers	300	**238**	330	**278**	360	**284**
3.8	Placement - Average Salary (in Lakhs)	5	**5.78**	5.4	**6.05**	5.8	**5.98**
3.9	Higher Studies – No. of students	30	**11**	45	**13**	60	**9**

Student Support & Success

Sl. No.	Objective	Target	Status
a	Technical-Participation (Nos.)		
b	Number of Technical competitions	110	45
c	Number of Technical achievements	35	50
d	Total number of students participation in various student events	1500	
e	Total number of students Achievements	60	62
f	Number of events /competitions to have participated	100	60
a	MITAOE Clubs Cumulative No.)	28	28
b	Club events (Cumulative No.)	50	55
c	National level technical event(No.)	2	2
d	Sports events(Nos.)	5	17
e	Youth events (TEDx, U25)	2	0
a	Number of Social internships	2	0

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Enhanced Student Experience

Sl. No.	Objective	Target	Status
A	Technical-Participation (Nos.)		
B	Number of Technical competitions	110	45
C	Number of Technical achievements	35	50
D	Total number of students participation in various student events	1500	
E	Total number of students Achievements	60	62
F	Number of events /competitions to have participated	100	60
A	MITAOE Clubs Cumulative No.)	28	28
B	Club events (Cumulative No.)	50	55
C	National level technical event(No.)	2	2
D	Sports events(Nos.)	5	17
E	Youth events (TEDx, U25)	2	0
A	Number of Social internships	2	0

Enhanced Alumni Engagements

Sr.No.	PARTICULARS	Targets 2023-24	Achieved
5.1	Alumni activities	100	81
5.2	Alumni meet (school/institute level)	10	8
5.3	Alumni meet – Student involvement	1000	550
5.4	Alumni - Sponsorship (Nos.)	8	9
5.5	Alumni – Internship / placement offers	120	93
5.6	Distinguished Alumni / Recognition Appreciation	10/50	12/43

People & welfare

Key Performance Indicators	Target	Quarter-III Status
Faculty Strength (no.)	177	187
Engineering (Faculty : Student ratio)	1:18	1:19
Design	1:15	1:14
HRMS (Automation of HR processes) Central Repository	100	60%

Entrepreneurship and Innovative Ecosystem

	Entrepreneurial & Innovation Ecosystem	Target	4th Qtr	Total
8.1	IE Awareness and Promotional activities	**12**	2	**14**
8.2	Networking	**6**	0	**8**
8.3	Upskilling and Outreach program	**6**	3	**6**
8.4	Alumni engagement activities	**4**	1	**4**
8.5	Project to Product (P2P)Transformation Program	**8**	1	**4**
8.6	No of student startup	**30**	0	**17+11 (SISF)**
8.7	Infrastructure and facilities -Incubatee Seating space	**25**	0	**0**
8.8	Patents at MITAOE EDF	**8**	0	**1**
8.9	Crazy quilt with mentor, investor and channel partner	**40**	2	**33**

MIT ACADEMY OF ENGINEERING
Alandi(D.), Pune-412105

Campus & Services

No.	Parameter	Target	4th Quarter	Remark
1	Wi-Fi Infrastructure	100 %	85 %	Planning for extended WIFI Campus Coverage with upgraded wifi devices providing support upto 2 Gbps Internet BW
2	LMS Concurrent Users	3000 Users	1000 Users	Moodle Server - 1000
3	Internet Bandwidth	2 Gbps	500 Mbps	Planned to upgrade Internet BW with Speed of 1 Gbps in new Academic Year. Upgrading of old Network Switches is planned.
4	ERP	100 %	80%	
5	MATLAB License Unlimited (CWSSMS)	Std 60 AO 70	Campus Wide Suite	Master License: 31363365 License: 40737736 (All Products on Campus-Wide License are available to use.Valid Till 31 Oct 2024)
6	Turnitin Plagiarism (Concurrent Users)	1000 Users	2070 Users	Turnitin Plagiarism with AI integrated Tool Valid till 4th Oct 2024

Sustainability

A meeting was conducted on **"Green Campus Sustainability – MIT AoE Review"** for the **Academic Year 2024-2025 on 09th August 2024**. The meeting took place from **3 PM to 4 PM at the CE Office (Room A-002)**.

- The agenda included discussions on Green Campus Sustainability, Sustainability Targets with parameters (2024-27), probable sustainable solutions and implementation on the campus, and raising awareness while setting future agendas. The meeting was attended by **Dr. P. N. Sutar, Dr. M. P. Patil, Mr. K. Kanade, Ms. Swapnali Mohol, Ms. S. Shende, and Mr. Hussain S.** with absences noted from **Mr. S. Kabra and Dr. Shreekant Patil.**

Minutes of Meeting:

1 The meeting was held to discuss Green Campus Sustainability and the process of implementation.

2 Dr. P. N. Sutar elaborated on the processes and steps required for creating sustainable campuses.

3 Ms. S. Mohol highlighted challenges related to resources and difficulties in implementation, offering important points for consideration during the process.

4 Mr. K. Kanade raised concerns regarding the targets for water harvesting, which were thoroughly addressed by Dr. M. P. Patil.

5 Mr. Hussain assured that the projects could be aligned with campus sustainability initiatives and integrated into the Unnat Bharat Abhiyan. Related awareness activities will be initiated during NSS camps.

6 Ms. S. Shende mentioned that two villages have already been adopted under the Unnat Bharat Abhiyan, with their Civil team actively working on progress and improvement.

7 Dr. M. P. Patil shared the proposed sustainability targets for 2024-27 and suggested that necessary changes could be implemented by the weekend if required by the members.

8 Dr. M. P. Patil gave a vote of thanks to all members who participated in the meeting.

Other Achievements: 2023-24

Extension of Autonomy: 10 years (2024-25 to 2033-34)

Empowered Autonomy Status: 10 years (2024-25 to 2033-34)

EOMS: 21001: 2018

Ranking:

R
World Institutional
RANKING

OBE RANKING – 2024: Diamond

SUSTAINABLE INSTITUTIONS OF INDIA GREEN RANKINGS 2024: Gold

IIRF
SINCE 2015

Private Engineering Colleges in India
All India Rank: 85th
State Rank: 15th
Zone Rank: 17th

GU GLOBAL UNIVERSITY RANKINGS

DIGITAL AND SMART CAMPUS RANKING-2024: Top 250

Annexure –III

Proposal for new next three-year strategic plan (2024-25 to 2026-27)

Strategic Plan of next three years 2024-25, 2025-26, 2026-27

Sr. No.	Parameter	2024-25		2025-26		2026-27	
		Target	A	Target	A	Target	A
1	Admissions ($) a) Engineering b) Design (150 + 15)	(1190+198) 1317 (95 %) 142 (86%)		(1402+198) 1537 150 (91%)		(1642+264) 1843 150 (91%)	
2	Client Feedback (CSAT/ESAT)	7/10		7/10		7/10	
3	Process Automation	70%		80%		90%	
4	Research Publications (Journal + Conferenc) SCI or Scopus	175		200		225	
5	IPR (Patents / Copy Rights)	50		75		100	
6	People (Ecosystem for multi skilling and research culture) (No. of Events)	6		8		10	
7	a) Placement b) SLIP c) YLIP d) Higher Studies	500 350 200 25		600 400 250 30		650 450 300 35	
8	Average Salary (LPA)	6.0		6.4		6.8	
9	Startups	30		35		40	
10	Accreditations NBA (#) NAAC (#)	700/1000(#) A+ (3.3)(#)		700/1000 [4 Depts] A+ (3.3)(#)		700/1000 [1 Depts] A+ (3.3)(#)	

MIT ACADEMY OF ENGINEERING
Alandi (D.), Pune-412105