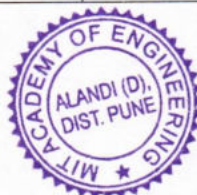


MITAcademy of
Engineering
(An Autonomous Institute)**IQAC Committee**

Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

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. Ranjana Badre	
11	Prof.(Dr.) Dipti Sakhare	
12	Prof.(Dr.) Prafulla Hatte	
13	Mrs. Vandana Khandelwal	Staff Representatives
14	Prof.(Dr.) Balasaheb. Waphare	Local Society Representatives
15	Prof.(Dr.) Anant Chakradeo	Management Representatives
16	Mr. Yash Tajane	Student Representatives
17	Mr. Saurabh Saha	Alumni Representatives
18	Mr. Pravin Pawar	Industry Representatives
19	Mr. Girish Bora	
20	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]	MEETING AGENDA		
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Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	:	4 th November 2022
	MEETING NO.	:	IQAC/2022- 23/01

INTERNAL QUALITY ASSURANCE CELL

Date: 04th November 2022

Day: Friday

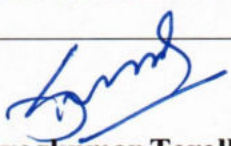

Time: 02: 00pm

Venue: Old conference room MITAOE, Alandi (D),

The agenda for the same is as follows:

AGENDA

1. To confirm the previous minutes of meetings and review on action taken report
2. To discuss about revision of department/school vision and mission in line with revised institute vision and mission
3. To discuss on value added courses identified by schools for academic year 2022-23
4. To discuss about revised policy for advanced and weak learners
5. To discuss about stakeholder's feedback on curriculum
6. To discuss about internal and external academic audits
7. To discuss about question paper audit
8. To discuss about R&D activities (Achievements for 2021-22 and plan for 2022-23)
9. To discuss about T&P activities (Achievements for 2021-22 and plan for 2022-23)
10. To discuss about accreditation status (NAAC and NBA)
11. To discuss about status of strategic plan
12. Any other point with permission of chair

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

DIRECTOR

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

Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

**INTERNAL QUALITY
ASSURANCE CELL**

DATE : 4th November 2022

MEETING NO. : IQAC/2022-23/01

Agenda of the Meeting:

1. To confirm the previous minutes of meetings and review on action taken report
2. To discuss about revision of department/school vision and mission in line with revised institute vision and mission
3. To discuss on value added courses identified by schools for academic year 2022-23
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10. To discuss about accreditation status (NAAC and NBA)
11. To discuss about status of strategic plan
12. Any other point with permission of chair

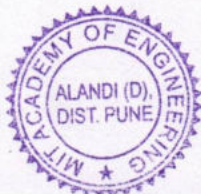
The first meeting of IQAC for academic year 2022 was held 04th November 2022, at 02.00 pm in blended mode.

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

1. Prof.(Dr.) Balasaheb Waphare
2. Prof.(Dr.) Shitalkumar A. Jain
3. Prof.(Dr.) Sunita S. Barve
4. Prof. Avinash Bhalerao
5. Prof.(Dr.) Abhijeet Malge
6. Dr. Arika Kotha
7. Dr. Shayam Shukla
8. Prof. Ranjana Badre
9. Prof.(Dr.) Dipti Sakhare
10. Prof.(Dr.) Prafulla Hatte
11. Mrs. Vandana Khandelwal
12. Dr. Suyogkumar Taralkar
13. Mr. Pravin Pawar

Other Invitees

14. Dr. Pramod Kothmire
15. Mr. B.D. Wabitkar
16. Mr. Tukaram Sonawane



17. Mrs. Mayura Kulkarni
18. Ms. Riya Rai
19. Siddhesh Pailhankar

The leave of absence was granted to following members

20. Dr. Vaishali Wangikar
21. Prof.(Dr.) Anant Chakradeo
22. Mr. Girish Bora
23. Mr. Yash Tajane
24. Mr. Saurabh Saha

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

Discussion and Resolution:

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

The previous minutes of meeting (Meeting-4, 2021-22, term-II, August 12, 2022) and review on action taken report was discussed and confirmed by all members of IQAC.

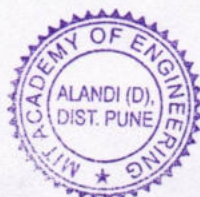
Action taken report on suggestions given in previous meeting:

01

Sr. No.	Suggestions	Action Taken
1	Review on progress of Autonomy 3.0	The Curriculum of FY B.Tech is updated Refer <u>Annexure - I</u> for Details
2	Update R&D policy and conduct sessions to enhance research culture	The R&D policy is being updated to enhance the research culture vide discussion and deliberations. Proposed draft copy is in process.
3	Increase the club activities	Refer <u>Annexure II</u> for details club and achievements are updated
4	Activities under MOU	Industry sponsored projects, student internships, consultancy work and placement activities. e.g. Two MOUs signed by SMCE - two industry supported projects started (Refer <u>Annexure III</u> for Details).
5	Initiatives for unplaced students	Counselling and experience sharing sessions arranged - group and branch-wise



	6	Career Enhancement activities done by various schools	<table><tr><td>Chemical</td><td>Computer</td><td>E&TC</td><td>Mechanical</td><td>Civil</td></tr><tr><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td></tr></table>	Chemical	Computer	E&TC	Mechanical	Civil	4	3	2	2	2
Chemical	Computer	E&TC	Mechanical	Civil									
4	3	2	2	2									
	7	Orientation program for online resources	<div>1. Central Library organized IEEE/Science direct sessions for faculty and students from 28th Jan. 2022 to 18th February 2022.</div> <div>2. Orientation program for online resources was conducted for the 2nd &3rd year students on 29th July, 2nd & 3rd September 2022.</div> <div>3. Orientation program will be scheduled for various online resources for first year students from 9th November to 15th November 2022.</div>										
	8	Participation of Alumni in various activities	Refer <u>Annexure IV</u> for details										
02	<div>To discuss about revision of department/school vision and mission in line with revised institute vision and mission.</div> <div>Discussion and Resolution: Vision and Mission statement of the institution are revised w.e.f. academic year 2022-23 (01/08/2022). It is decided that new vision and mission has to be displayed at all prominent locations including website and to be discussed in school meetings and stakeholder meetings.</div> <div>Further, it is also decided that school/departmental vision and mission statements has to be modified in line with the institutional vision and mission statement by involving the stakeholders and the same has to be submitted to IQAC on or before the next IQAC meeting.</div> <div>Responsibility: School Deans</div>												
03	<div>To discuss on value added courses identified by schools for academic year 2022-23.</div> <div>Discussion and Resolution: Discussion on value added courses identified by schools was carried out and it is decided that, all schools should complete the identified courses for the current academic year (2022-23).</div> <table><tr><td rowspan="2">School</td><td colspan="3">Identified Value Added Courses</td></tr><tr><td>SY</td><td>TY</td><td>BTech</td></tr></table>			School	Identified Value Added Courses			SY	TY	BTech			
School	Identified Value Added Courses												
	SY	TY	BTech										



Chemical	Matlab, CFD	AutoCAD, Hysys, Simulator, Science Engg	Aspen Pro-Data Chem	Aspen Plus, Aspen EDR
Computer	Infosys Springboard JAVA and Python	Palo certification, N/W Associate, Management Fundamentals by IBM	Alto certified Project by	Infosys Springboard API Microservices, Angular and Kanban
E&TC	Python fundamentals	Palo certification, Infosys Springboard Data Science	Alto	
Mechanical	3DS, NX, JAVA fundamentals	Solidworks		
Civil	Revit	ETabs (Benteley)		QGIS / ANSYS CFD

Responsibility: School Deans

04

To discuss about revised policy for advanced and weak learners

Discussion and Resolution: Deputy Director Academics presented revised policy for advanced and weak learners. It is decided to follow the same process for academic year 2022-23.

Responsibility: Deputy Director Academics, School Deans

05

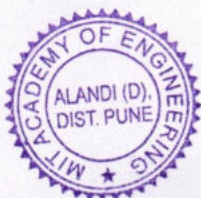
To discuss about stakeholder's feedback on curriculum

Discussion and Resolution: Deputy Director Academics discuss about stakeholder's feedback on curriculum. It is decided to conduct stakeholder feedback on curriculum on regular basis (Whenever there is curriculum revision).

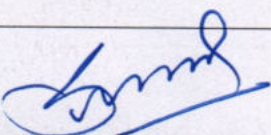
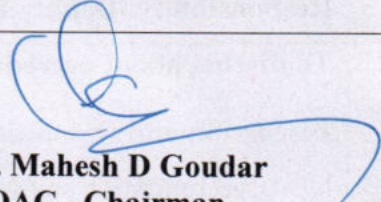
Responsibility: Deputy Director Academics, School Deans

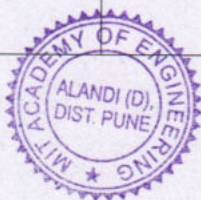


06	<p>To discuss about internal and external academic audits</p> <p>Discussion and Resolution: Dean QA briefed about the internal and external academic audits. Internal academic audit will be conducted twice in year (after completion of each term) by internal expert members.</p> <p>External Academic Audit will be conducted once in year by external expert members (industry, academia and research).</p> <p>Responsibility: Dy Director AR, Dean QA, School Deans</p>
07	<p>To discuss about question paper audit</p> <p>Discussion and Resolution: Dean QA briefed about the question paper audit. Audit will be conducted at department/school level and institute level at the end of the semester.</p> <p>Responsibility: COE, Dean QA, School Deans</p>
08	<p>To discuss about R&D activities (Achievements for 2021-22 and plan for 2022-23)</p> <p>Discussion and Resolution: Dean R&D briefed about the R&D activities and achievements for 2021-22 and plan for 2022-23. He also presented the status of publications, seed money proposals, IPR. (Annexure-V).</p> <p>Responsibility: Dean R&D, School Deans</p>
09	<p>To discuss about T&P activities (Achievements for 2021-22 and plan for 2022-23)</p> <p>Discussion and Resolution: Deputy Director CR briefed about the T&P activities and achievements for 2021-22 & plan for 2022-23 (Annexure-VI).</p> <p>Responsibility: Deputy Director CR</p>
10	<p>To discuss about accreditation status (NAAC and NBA)</p> <p>Discussion and Resolution: Dean QA briefed about the NBA and NAAC accreditation status.</p> <p>NBA Accreditation status:</p> <p>Department of Electronics and Telecommunication Engineering is accredited for three years i.e. 2022 - 23, 2023 - 24, 2024 - 25 with score of 671 / 1000.</p>

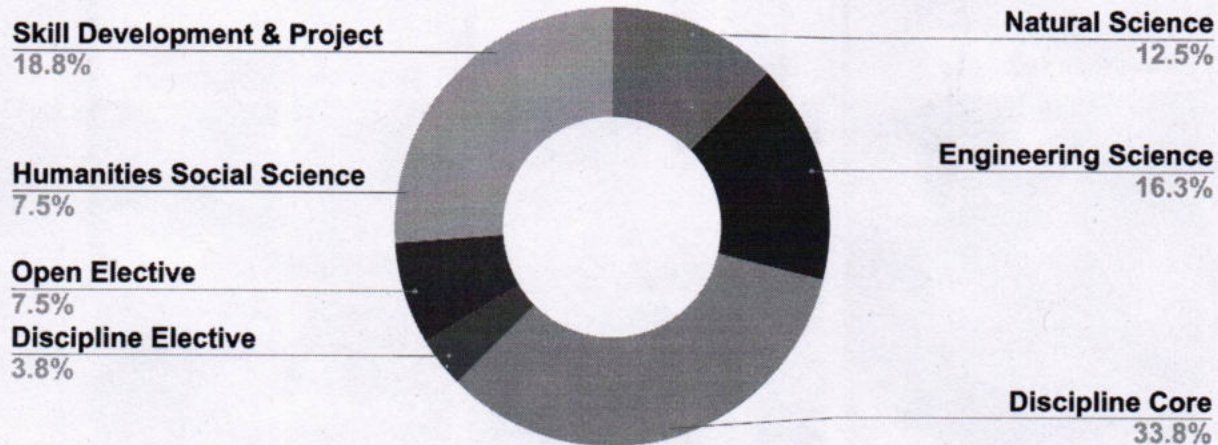


	<p>The date of NBA committee visits for the following programmed is finalized by NBA. Expert team will visit these departments from 18th - 20th Nov. 2022.</p> <p>Computer Engineering Chemical Engineering Mechanical Engineering</p> <p>NAAC Accreditation Status: Awareness session and criteria wise discussion with Dr. Jayraj sir (NAAC Expert) conducted in month August, September and October 2022. IIQA for cycle-2 shall be submitted in month of December 2022. Preparation of SSR for Cycle-2 is in process.</p> <p>Responsibility: Dean QA, NBA Coordinator, School Deans</p>
11	<p>To discuss about status of strategic plan</p> <p>Discussion and Resolution: Dean QA presented status of Quarter-I of strategic plan for 2022-23. Details are given in Annexure-VII.</p> <p>Responsibility: Director, Dy. Director-AR & CR, Registrar</p>
12	<p>Any other point with permission of Chair.</p> <p>IQAC – Coordinator & Dean QA proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.</p>

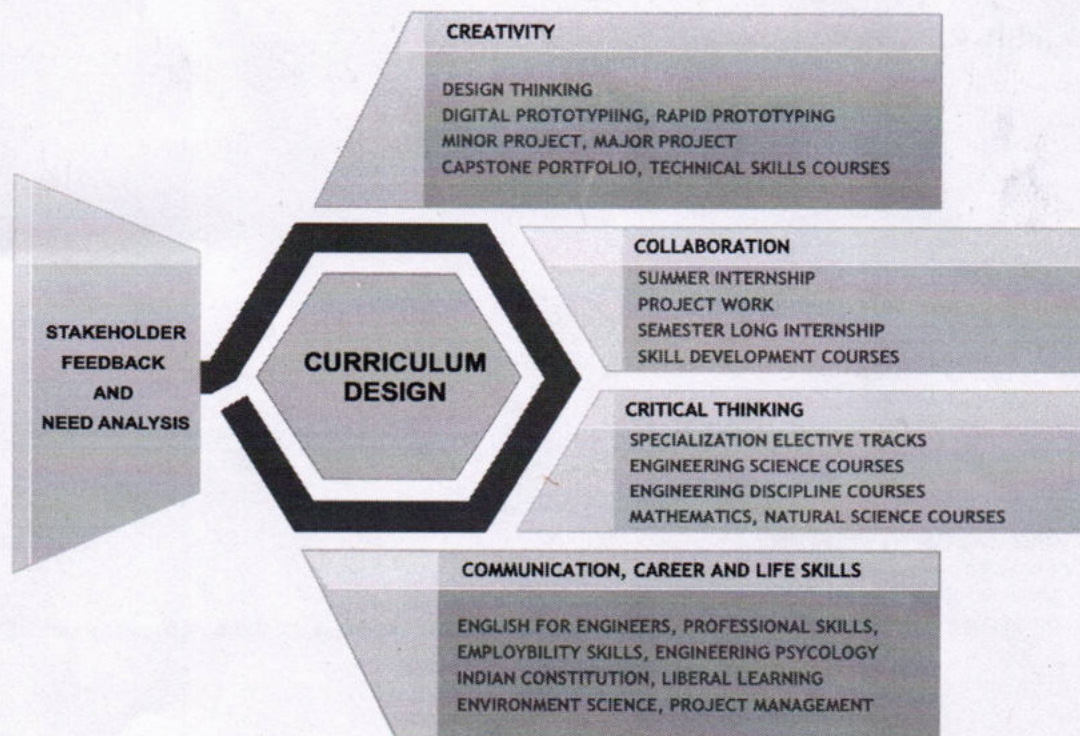
IQAC Coordinator	IQAC Chairman
 Dr. Suyogkumar V. Taralkar IQAC – Coordinator, Dean QA	 Dr. Mahesh D Goudar IQAC - Chairman



Annexure-I: Curriculum Framework

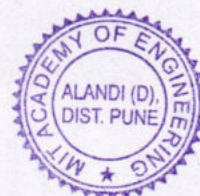


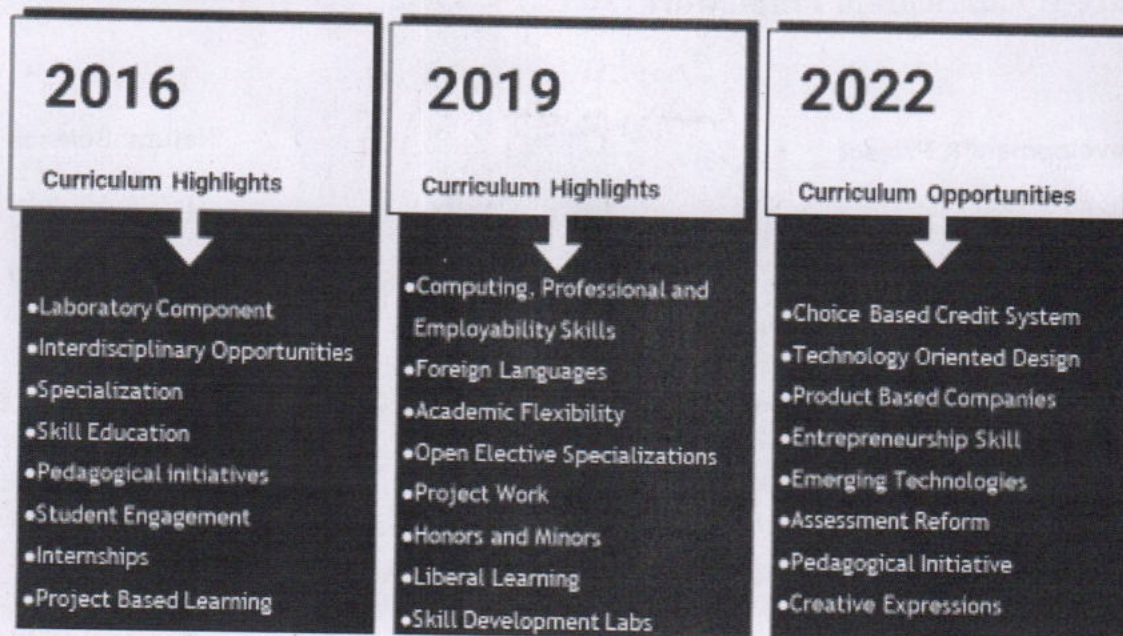
Curriculum Highlights:



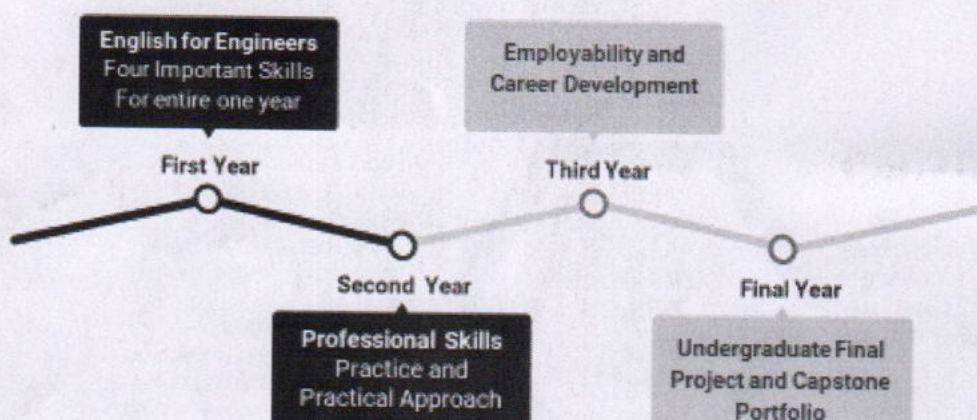
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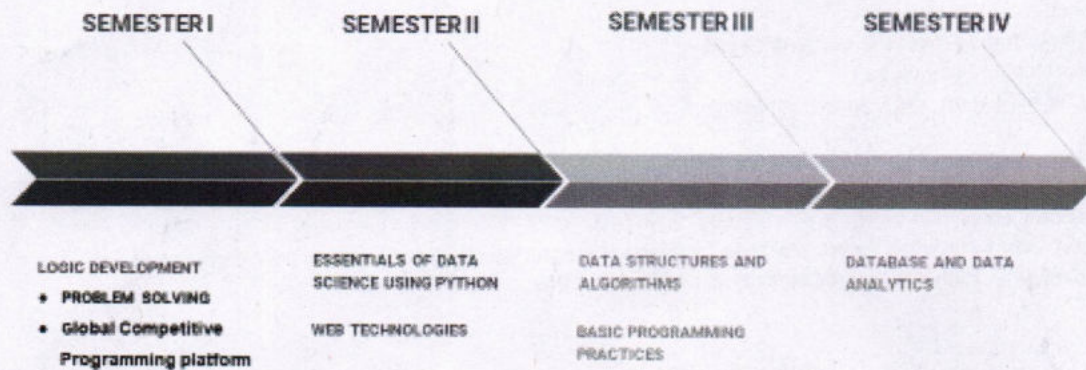
English for Engineers



1. Year-long Course with two hours per week
2. Focusing on four skills in each semester
3. Continuous Assessment, Third Party Assessment
4. Introduced new topics like: resume and cover letter, persuasive speaking, extempore, netiquettes, etc.

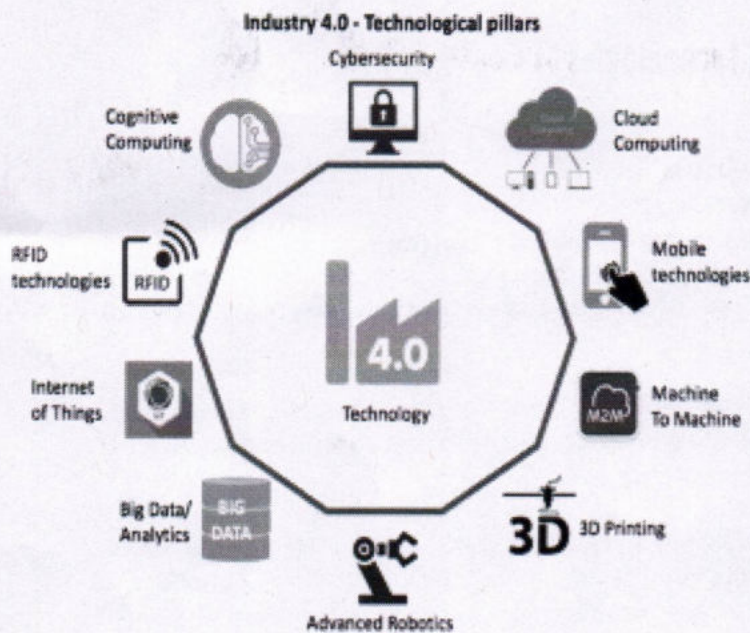


Computing Skills



#Mentorship and resources to become a better programmer
 #To build a robust Competitive Programming culture

#Assessment Reform to check Programming Competency
 #Necessary computing skills in First and Second Year of Engineering



Challenges:

Gap in Technical Skills,
 Data Sensitivity,
 Interoperability, Security,
 Handling Data Growth

25

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Emerging/Computing/Creative Technologies

- Cloud Computing
- New Energy Vehicles (NEV)
- Zero Energy Buildings (ZEB)
- Robotics and Automation
- Artificial Intelligence and Machine Learning
- Web/Mobile Technologies
- Digital Reflection and Creative Expressions

Laboratory Highlights :

- SWOT Analysis and Career Plan, Making Digital Portfolio- Web Technology
- Simulation Tools
- Demo & Lab: Computer Vision, Machine Learning -Python, Robotics Automation [HW-Simulation Env.]
- Model Making, Paper/Clay Prototyping, Basic Physical Prototyping, Posters

Emerging/Computing/Creative Technologies

Assessment

1. Jury for Individual Student's presentation
2. Digital Reflection in the form of Portfolio,
 - a. Remarkable Assignments from few identified FY Courses
 - b. Learning reflections from Emerging Technologies
 - c. Creative Expressions: Students Ability to Express Creatively using Digital Portfolio

Year One: Modelling and Simulation in Engineering <https://tedi-london.ac.uk/learn/global-design-engineering/>
Industry-standard modelling and numerical analysis, and other specialised engineering software packages appropriate to a design engineer

Year One: Applied Professional Skills and Portfolio <https://tedi-london.ac.uk/learn/global-design-engineering/>
to develop your personal and professional portfolio and use the Engineering Council's framework to continue to show your progress towards becoming a professional engineer.

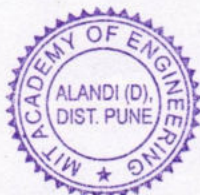
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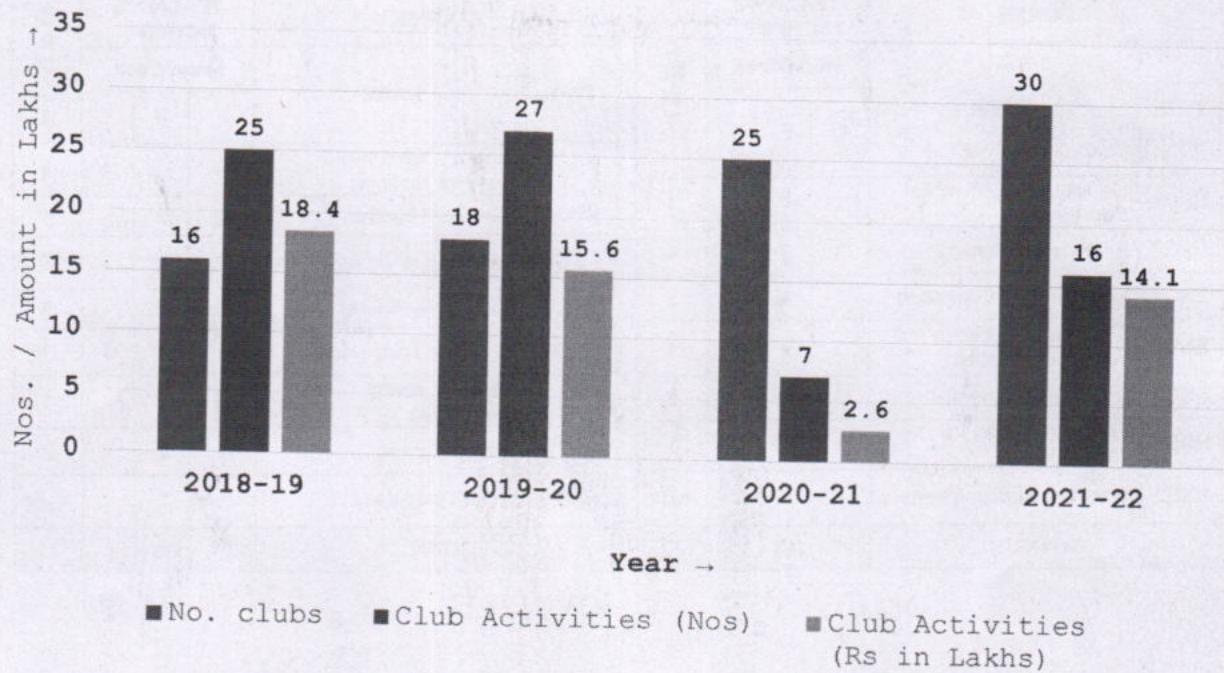
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SEMESTER: I					
COURSE		TEACHING SCHEME			C R E D I T
TYPE	NAME	Hour/Week			
		L	P	T	
NSC1	Calculus and Differential Equations	3	-	1	4
NSC2	Engineering Physics	3	2	-	4
ESC1	Foundation of Computing	2	4	-	4
ESC2	Electrical, Electronics and Telecommunication	3	2	-	4
ESC3	Engineering Graphics	0	6	-	3
HSS1	English (Foreign Languages)	0	2	-	1
HSS2	Universal Human Values	-	-	-	Audit
TOTAL		11	16	1	20

SEMESTER: II					
COURSE		TEACHING SCHEME			C R E D I T
TYPE	NAME	Hour/Week			
		L	P	T	
NSC3	Integral Calculus and Complex Numbers	3	-	1	4
NSC4	Science of Nature	3	2	-	4
ESC4	Essentials of Data Science	2	4	-	4
ESC5	Applied Mechanics	2	2	-	3
ESC6	Emerging Technologies	1	4	-	3
HSS1	English (Foreign Languages)	0	2	-	1
ESC7	Design Thinking	1	2	-	2
HSS3	Indian Constitution	1	-	-	Audit
TOTAL		13	16	1	21



Annexure-II: Club Activities



Student Achievements



Four teams of MIT Academy of Engineering are winners at the Smart India Hackathon 2022, at

- IIT Dhanbad,
- Chennai,
- Jaipur and
- Sikkim.

All teams proposed and developed out-of-the-box ideas to solve problems in governance.



Student Achievements



Team Niyudrath Karting from MIT Academy of Engineering have participated in ISIE Indian Karting Race, Season 7.0.

WON OVERALL CHAMPION AWARD ALL INDIA RANKING NO. 1 (AIR -1) WITH 4 LEADING AWARDS

1) All India Ranking 1 - FIRST TI(Tech Inspection)

2) WINNER - CROSSPAD WINNER, 3) ENDURANCE WINNER, 4) FUTURE TEAM AWARD

Student Achievements

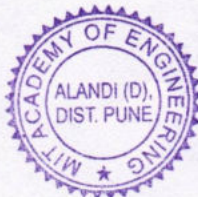


REGULAR AND MICRO AERO MODEL DESIGN CHALLENGE 2022

STUDENTS OF MITAOE FOR SECURING THE SECOND POSITION IN THE 7TH AERO DESIGN CHALLENGE ORGANIZED BY SAE INDIA AND SRM UNIVERSITY, CHENNAI IN BOTH CATEGORIES VIZ.,

A) MICRO MODEL - FOR BEST DESIGN REPORT

B) REGULAR MODEL - FOR BEST AERODYNAMIC ANALYSIS (CFD)



Student Achievements



Team MITAOE for securing the second position in the ASFU Drone Race Championship, Pune (A part of Indian National Team Selection)



Team MITAOE for securing the Third position in the ASFU Drone Weightlifting Championship, Pune (A part of Indian National Team Selection)

Student Achievements in Press Coverage



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Student Activities- Press Coverage

एड्स रोकथाम के लिए रक्त दान अभियान
वैदिक चिकित्सा संस्थान, अलान्दी



एड्स रोकथाम के लिए रक्त दान अभियान, अलान्दी में आयोजित कार्यक्रम में भाग लेने वाले छात्रों और स्टाफ के साथ।

AFSU Drone Race & Drone Weightlifting Championship hosted by MITAOE Alandi concludes in Pune

Pune (Voice news service): The team Technicians from Government College of Engineering, Aundh, emerged victorious in the 2nd AFSU Drone racing and Drone Weightlifting Championship hosted by MIT Academy of Engineering, Alandi. In drone racing, Team Phoenix from MIT Academy of Engineering bagged the second prize, while the team from Symbiosis SAPU stood third. In drone weightlifting, team from AIMSAS bagged the second spot while Team Anantaram from MIT Academy of Engineering secured the third prize.



The two-day AFSU (Aerobotics and Space Federation for Unmanned Drone Race & Drone Weightlifting) Championship was held in Pune on Friday and Saturday at the MIT Academy of Engineering, Alandi. The competition is a part of the 2nd National Drone racing series being

conducted under the aegis of IAGG India by AFSU. The AFSU Drone Championship 22 was inaugurated on 2nd September 22 by the hands of Mr. Madan Mohan Sethi, Consul General of India, His Ch. M. City, Vietnam in presence of Registrar NP Singh, Mr. Ashu Gupta, Executive Director, International Aviation Games Board, Dr. Rakesh Bhaskar Scientist, Alandi, Dr. Mahesh Chaudhary, Director, MIT Academy of Engineering, Alandi & Dr. B. B. Waghmare, MIT Arts & Science college, Alandi along with online presence

part had to go through some obstacles without touching or without touching the obstacles which are in the form of squares, rectangles, cones, circles, and circle-shaped obstacles. The obstacles in the arena will reconstruct the participants to reconstruct the drones horizontally as well as vertically.

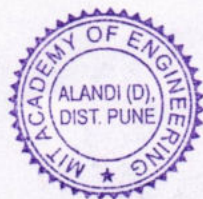
For Drone Weightlifting the participants had to lift objects of certain dimensions and carry them up and down and take a circular turn and put the piece at the desired location. AFSU has designed a series of various projects and now starting activities in India for the projects, as suggested by the World Federation for India which includes Computer sports (AI, Robotics & UAV) and some other sports. Those who are participating in these competitions will get to participate in international & world UAV Drone championships in coming time.

एड्स रोकथाम के लिए रक्त दान अभियान

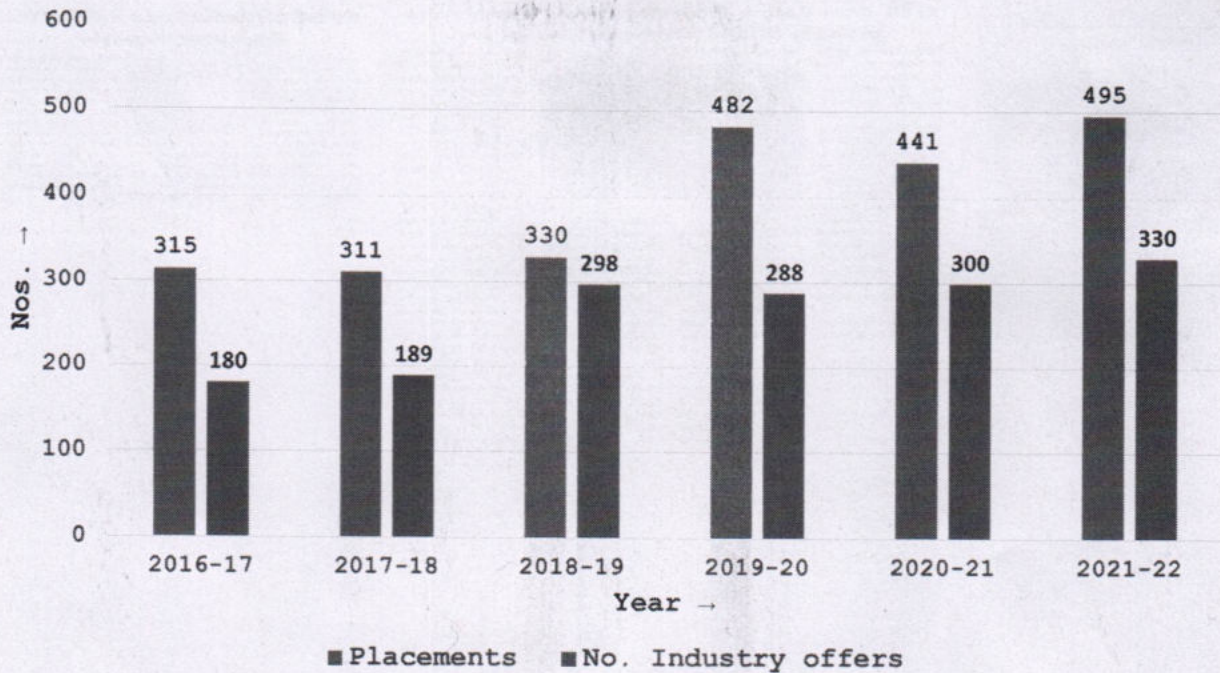
वैदिक चिकित्सा संस्थान, अलान्दी



एड्स रोकथाम के लिए रक्त दान अभियान, अलान्दी में आयोजित कार्यक्रम में भाग लेने वाले छात्रों और स्टाफ के साथ।



Annexure-III: Training and Placement Activities



Total no. of students placed (2022-23) : 279 (Single Offer) , With Multiple offer 325

•Total no. students available for placement : 676 (registration in Process).

•Percentage of Students placed : 41.20 % (Single Offer) ,

•Highest Salary Offered : 25 Lakhs

•Average Salary offered: 7.42 LPA

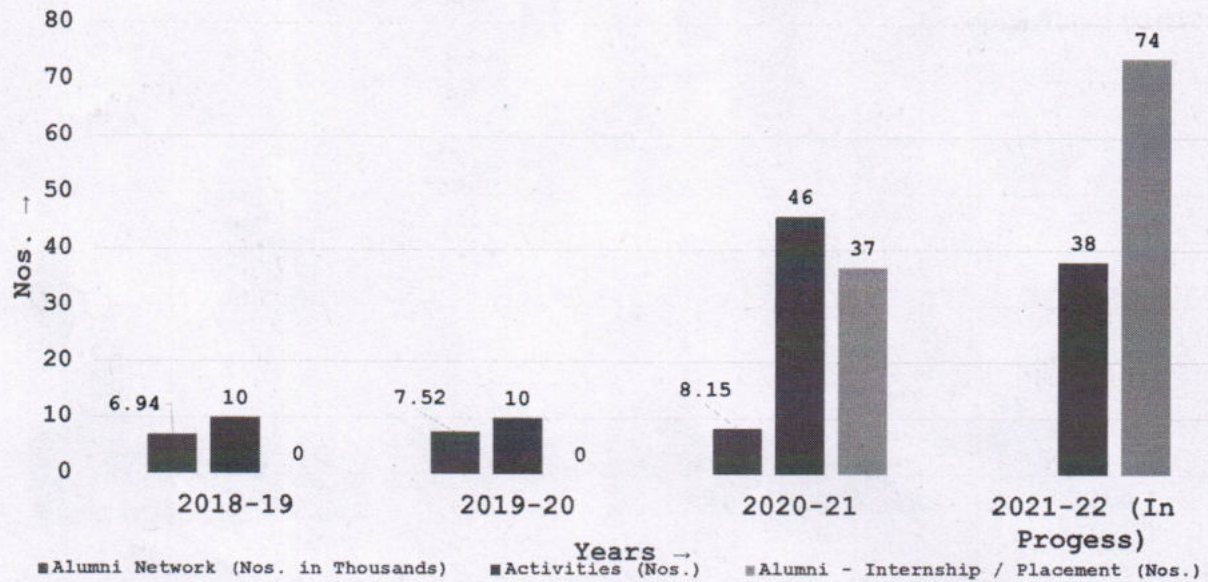
•Total Companies in Database : 51 (For 2022-23 Batch)

•New Companies in database for the month : Numbers & companies: 11

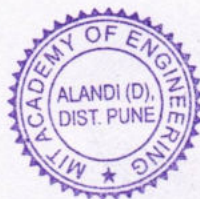
(Infogen Labs, Faurecia- Forvia, Hitachi Vantara, InfoCepts, ShareKhan (BNP Paribas), L&T Infotech Ltd., Nielsen IQ, ExxonMobil Lubricants Pvt. Ltd, Technip Energies, Contentstack, Accenture)



Annexure-IV: Alumni Activities



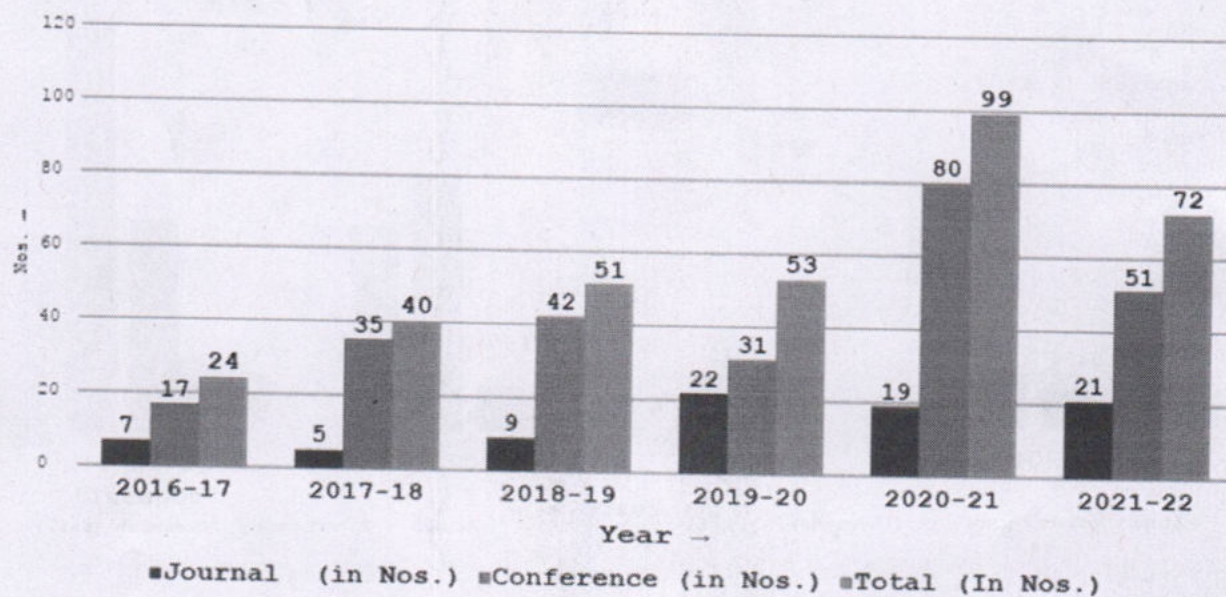
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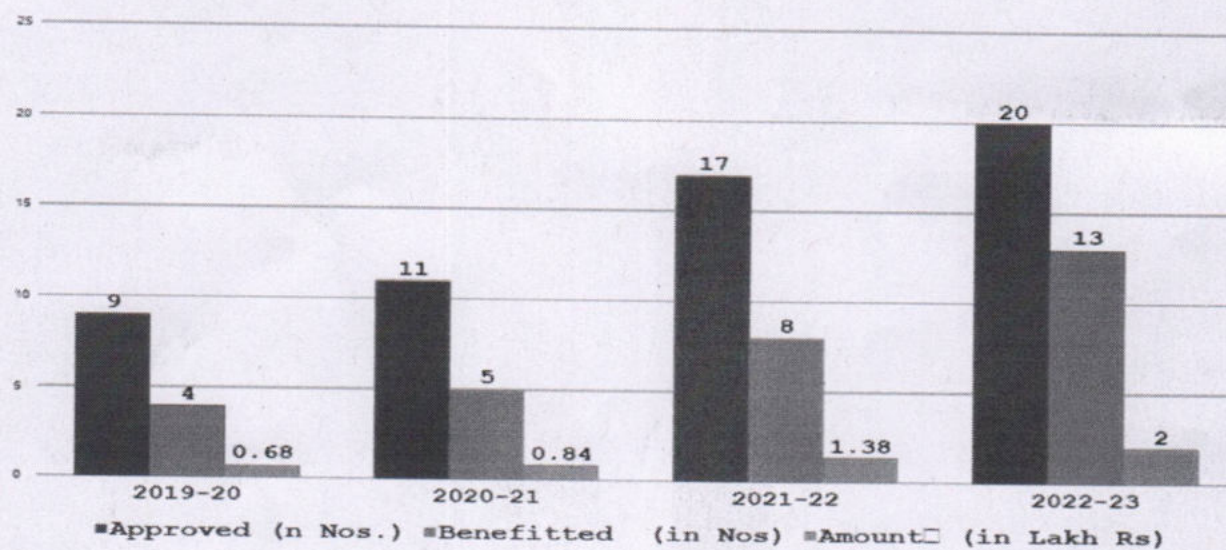
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Annexure-V: R&D Activities

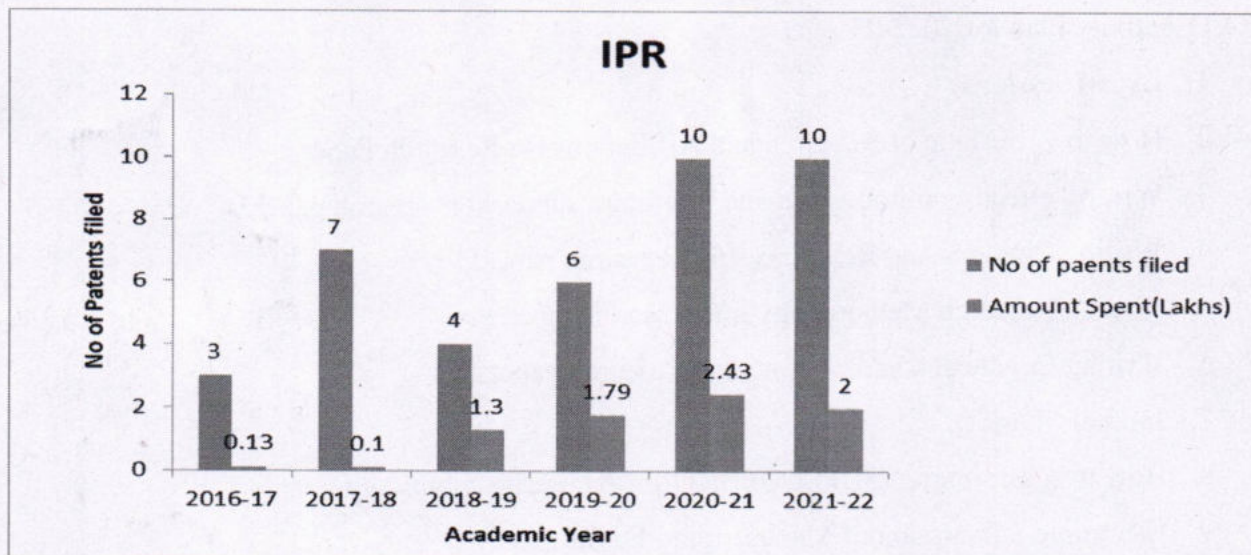
Research Publications



Seed Money



IPR



R&D Plan for 2022-23:

1. To provide seed money to biannually to support faculty and students to initiate research work. Seed money for Faculty research work and students project will be provided in month of July and January respectively.
2. Organizing expert sessions to create awareness about various government funding agencies.
3. Organizing expert sessions to create awareness about non- government/industry funding agencies.
4. Organize sessions of writing Research paper writing to enhance the publications in SCI/SCIE/ESCI/Scopus indexed journals.
5. Providing support for writing research proposals.
6. Research policies will be revised and made more faculty centric to create motivation for conducting research.
7. Encouraging faculties to get connected with industries to solve real time problems through Faculty Industry Internships.
8. Encouraging faculties for Collaborative research with faculties of other institute of National and International repute.
9. Collaboration with research organizations/labs for joint research.



10. Collaboration with research organizations/labs for joint research.

R&D Activity Plan for 2022-23:

1. Expert sessions
2. How to write Title of Research and Affiliations for Research Paper.
3. Writing effective Introduction and Literature survey for research paper.
4. Writing Citations and References for Research paper.
5. Writing Research Methodology for Research paper.
6. Writing Conclusion and Abstract for Research paper.
7. Journal Metrics.
8. How to select journal(SCI/SCOPUS) for Manuscript submission.
9. Electronic Submission of Manuscript to Publishers
10. Organizing expert sessions to create awareness about various government funding agencies.
11. Expert session on writing effective research proposals.
12. Patent workshop to be conducted every semester.



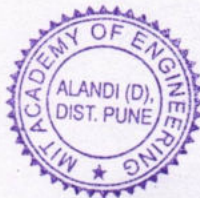
Annexure-VI: T&P Activities

Achievements for 2021-22:

Sr. No.	Students Support & Success	Target	Final Outcome
1	Employability- Training programs	8	8
2	SIP(Industry) – No. of students	400	725
3	SIP – No. of industry offers	350	277
4	SLIP – No. of students	150	325
5	SLIP – No. of industry offers	60	97
6	Placement – No. of students	440	494
7	Placement – No. industry offers	300	343
8	Placement - Average Salary (in Lakhs)	5 L	5.56

Plan for 2022-23:

Sr. No.	Students Support & Success	Target
1	Employability- Training programs	10
2	SIP(Industry) – No. of students	450
3	SIP – No. of industry offers	400
4	SLIP – No. of students	200
5	SLIP – No. of industry offers	80
6	Placement – No. of students	480
7	Placement – No. industry offers	330
8	Placement - Average Salary (in Lakhs)	5.4 L



Annexure-VII: Status of Strategic Plan-2022-23

Teaching Learning Process

1	Teaching Learning Process	Target	Quarter - 1 Outcome
1.1	Academic Framework		
1.1.1	Curriculum Flexibility (% of Credits)	22	28
1.1.1	Curriculum Revision (% of Contents)	25	25
1.2	Industry Engagement		
1.2.1	Expert Talk	100	32
1.2.1	Skill Courses	25	36
1.2.3	Laboratory Collaboration	3	0
1.3	Teaching Learning Centre		
1.3.1	Faculty Development Programs	7	5
1.3.2	Professional Courses (per faculty)	200	88
1.3.3	Assessment Reform (% of Credits)	10	5
1.3.4	Digital Content Creation (No. of Courses/%)	10	3
1.3.5	Professional Certificate Courses	3	5

25

Research & Consultancy

Research & Consultancy	Target	Actual
Research Funding and Grants		
Seed Money(No. of projects/program)	14	11
External Funding (Per program)	14 Lakhs	Nil
Research Publications (No's) - Scopus / SCI Indexed		
International Journal	25	14
National Journal	5	0
International / National Conferences	70	11
Book Chapters	10	0
Total	110	25
IPR (No. of Patents) Filed	15	Nil (15 Patents will be submitted for filing)
Consultancy		
Engineering Consultancy	8 Lakhs	Nil

26



Students Support and Success

Sr. No.	Students Support & Success	Target	Quarter - 1 Outcome
1	Employability- Training programs	10	4
2	SIP(Industry) – No. of students	450	NA
3	SIP – No. of industry offers	400	NA
4	SLIP – No. of students	200	NA
5	SLIP – No. of industry offers	80	NA
6	Placement – No. of students	480	276
7	Placement – No. industry offers	330	51
8	Placement - Average Salary (in Lakhs)	5.4 L	7.46

27

Enhanced Students Experience

Competitions and events participation

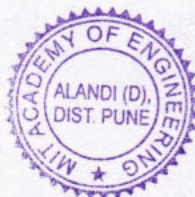
Technical Participation (Nos.)	:	75
Technical Achievements (Nos.)	:	03 (Hackathon, SAE, Drone)
Other Participation (Nos.)	:	01(Cultural) YIN organized by eSakal
Total Achievements (Nos.)	:	14

Club Activities

Total clubs (Nos.)	:	28
Club events (Nos.)	:	13
Sports events (Nos.)	:	04
Sports achievements (Nos.)	:	02 Girls chess team won 2nd Prize

Social Internships (Nos.)	:	NIL
---------------------------	---	-----

28



Enhanced Alumni Engagement

Sr. No.	Enhanced Alumni Engagement	Target	Quarter - 1 Outcome
1	Alumni Activities	80	17
2	Alumni meet (school/institute level)	8	2
3	Alumni meet – Student involvement	800	41
4	Alumni - Sponsorship (Nos.)	7	0
5	Alumni – Internship / placement offers	80	26
6	Distinguished Alumni / Recognition Appreciation	7 / 40	6 / 6

29

People & Welfare

Faculty Strength (Nos.)

Engineering : 146

Design : 15

HRMS - In process : It will be configured through ERP w.e.f. January 2023

Employee Satisfaction (%) : For Year 2022, the survey will be conducted in December end or January first week.

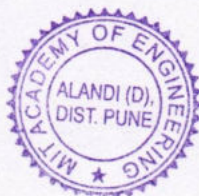
30



Entrepreneurship & Innovation Ecosystem

8	Entrepreneurial & Innovation Ecosystem	Target	Quarter - 1 Outcome
8.1	IE Awareness and Promotional activities	12	3
8.2	Networking	6	1
8.3	Upskilling and Outreach program	4	2
8.4	Alumni engagement activities	4	2
8.5	Project to Product (P2P) Transformation Program	6	2
8.6	No of student startup	25	5
8.7	Infrastructure and facilities -Incubate Seating space	20	12
8.8	Patents at MITAOE EDF	6	0
8.9	Crazy quilt with mentor, investor and channel partner	30	6

31



MITAcademy of
Engineering

[An Autonomous Institute]


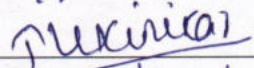


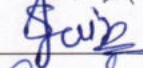
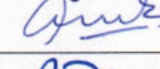
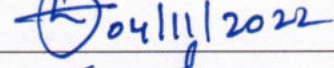
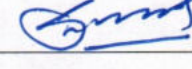

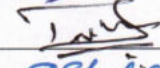
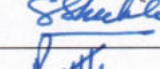
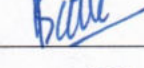
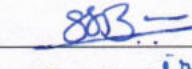
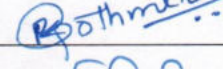
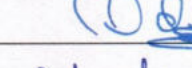
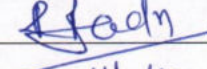


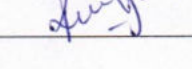
ATTENDANCE

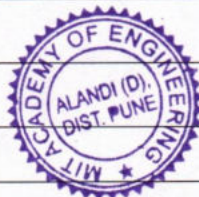
Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

INTERNAL QUALITY
ASSURANCE CELLDATE : 04th November 2022

MEETING NO. : IQAC / 2022-23 / 01

Sr. No.	Name of the Faculty	Signature
01	Ms. Vandana Khondekar	
02	Mrs. Mayura Kulkarni	
03	Mr. Tukaram Senevane	
04	Arinash Bhalerao	
05	Shitalkumar A Jain	
06	Dr. Arika Kotha	
07	B. B. Waphare	
08	Dr. Suryokumar Y. Taralkar	
09	A. M. Malge	
10	B. D. Wadgaonkar	
11	S. N. SHUKLA	
12	Pratulla Hatte	
13	Dr. Sunita Borne	
14	PRAMOD P. KOTHMIRE	
15	Dr. M. D. Goudar.	
16	Mrs. Rajana Badar	
17	Siddhesh Patilkar	
18	Riya Rai	
19	Dr. Ruby Barsainy	



Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

INTERNAL QUALITY
ASSURANCE CELL

MEETING DATE : 4th November 2022

MEETING NO. : IQAC/2022-23/01

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

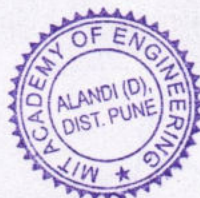
Discussion and Resolution:

IQAC Coordinator, welcomed all members to the meeting and briefed about the IQAC committee. 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-4, 2021-22, term-II, August 12, 2022) and review on action taken report was discussed and confirmed by all members of IQAC.

Action taken report on suggestions given in previous meeting:

Sr. No.	Suggestions	Action Taken
1	Review on progress of Autonomy 3.0	The Curriculum of FY B.Tech is updated Refer <u>Annexure - I</u> for Details
2	Update R&D policy and conduct sessions to enhance research culture	The R&D policy is being updated to enhance the research culture via discussion and deliberations. Proposed draft copy is in process.
3	Increase the club activities	Refer <u>Annexure II</u> for details club and achievements are updated
4	Activities under MOU	Industry sponsored projects, student internships, consultancy work and placement activities. e.g. Two MOUs signed by SMCE - two industry supported projects started (Refer <u>Annexure III</u> for Details).
5	Initiatives for unplaced students	Counseling and experience sharing sessions arranged - group and branch-wise



6	Career Enhancement activities done by various schools	<table><tr><td>Chemical</td><td>Computer</td><td>E&TC</td><td>Mechanical</td><td>Civil</td><td>SHE S</td></tr><tr><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr></table>	Chemical	Computer	E&TC	Mechanical	Civil	SHE S	4	3	2	2	2	2
Chemical	Computer	E&TC	Mechanical	Civil	SHE S									
4	3	2	2	2	2									
7	Orientation program for online resources	<p>1. Central Library organized IEEE/Science direct sessions for faculty and students from 28th Jan. 2022 to 18th February 2022.</p> <p>2. Orientation program for online resources was conducted for the 2nd & 3rd year students on 29th July, 2nd & 3rd September 2022.</p> <p>3. Orientation program will be scheduled for various online resources for first year students from 9th November to 15th November 2022.</p>												
8	Participation of Alumni in various activities	Refer <u>Annexure IV</u> for details												

To discuss revision of department/school vision and mission in line with revised institute vision and mission.

Discussion and Resolution: Vision and Mission statement of the institution are revised w.e.f. academic year 2022-23 (01/08/2022). It is decided that new vision and mission has to be displayed at all prominent locations including websites and to be discussed in school meetings and stakeholder meetings.

Further, it is also decided that school/departmental vision and mission statements have to be modified in line with the institutional vision and mission statement by involving the stakeholders and the same to be submitted to IQAC on or before the next IQAC meeting.

02

Responsibility: School Deans

Action Taken:

School/Department	Status of revision of Vision-Mission of school/department
Chemical Engineering	Not revised. Planned to revise in the current semester.
Civil Engineering	Draft is ready and circulated to all the stakeholders for their feedback. Inputs taken in BOS meeting.
Computer Engineering	Not Revised. Will be revised in current semester



Electronics and Telecommunication Engineering	Not Revised
Electronics Engineering	Not Revised
Mechanical Engineering	Revised according to the new vision mission statements of Institute
Humanities and Engineering Sciences	Not revised. Planned to revise in current sem
Design	School started in 2020, Started revising syllabus from Yr. 2021

To discuss value added courses identified by schools for the academic year 2022-23.

Discussion and Resolution: Discussion on value added courses identified by schools was carried out and it is decided that all schools should complete the identified courses for the current academic year (2022-23).

School	Identified Value Added Courses			
	SY	TY	Final Year	
Chemical	Matlab, CFD	AutoCAD, Aspen Hysys, Pro-Simulator, Data Science in Chem Engg	Aspen Plus, Aspen EDR	
Computer	Infosys Springboard JAVA and Python	Palo Alto certification, Juniper N/W certified Associate, Project Management Fundamentals by IBM	Infosys Springboard API Microservices, Angular and Kanban	
E&TC	Add on course of JAVA	Full stack development with FUEL	Palo Alto certification, Juniper N/W certified Associate, Project	Infosys Springboard



			Management Fundamentals by IBM	
Mechanical	3DS, UGNX, JAVA fundamentals	Solidworks, Generative design for manufacturing, 3DS Advanced	Full stack development with FUEL	
Civil	Full stack development with FUEL.	Full stack development with FUEL.		

Responsibility: School Deans

Action Taken:

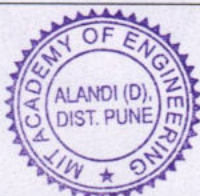
School	Status of identified Value Added Courses		
	SY	TY	Final Year
Chemical	2	3	3
Civil	1	1	-
Computer	1	2	2
E&TC	1	1	1
Electronics	1	1	1
Mechanical	3	2	2
Design		1 (1 elective each in 5th & 6th sem)	1 (1 elective in 7th Sem)
First Year (Humanities and Engineering Sciences)	Will be identified for next semester as students have very less time for current curriculum completion itself.		

04

To discuss about revised policy for advanced and weak learners

Discussion and Resolution: Deputy Director Academics presented revised policy for advanced and weak learners. It is decided to follow the same process for the academic year 2022-23.

Responsibility: Deputy Director Academics, School Deans



Action Taken:

School	No. of students							
	FY		SY		TY		Final Year	
	Weak Learners	Advance Learners	Weak Learners	Advance Learners	Weak Learners	Advance Learners	Weak Learners	Advance Learners
Chemical	-	-	NA	NA	11 (Out of 67)	3 (Out of 67)	NA	NA
Computer	-	-	15	41	18	39	10	46
E&TC	-	-	NA	NA	17	13	5	20
Electronics	-	-	NA	NA	8	2	2	6
Mechanical	-	-	12	33	17	37	10	53
Design			10 (out of 76)	12 (out of 76)	3 (out of 30)	6 (out of 30)	Not Applicable	Not Applicable
First Year (Humanities and Engineering Sciences)	92(out of 684)	85(out of 684)	-	-	-	-	-	-

To discuss about stakeholder's feedback on curriculum

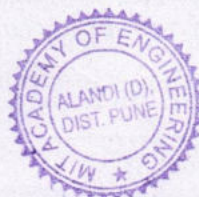
Discussion and Resolution: Deputy Director Academics discuss stakeholder's feedback on curriculum. It is decided to conduct stakeholder feedback on curriculum on a regular basis (Whenever there is curriculum revision).

Responsibility: Deputy Director Academics, School Deans

05

Action Taken:

School	No. of feedback received/collected during academic year 2022-23			
	Alumni	Employer	Teacher	Students
Chemical	12	6	-	-
Civil	8	-	-	-



Computer	31	2	20	25
E&TC	2	1	20	20
Electronics	-	1	-	-
Mechanical	22	8	15	5
Design	-	-	-	-
First Year (Humanities and Engineering Sciences)		-		-

To discuss about internal and external academic audits

Discussion and Resolution: Dean QA briefed about the internal and external academic audits.

Internal academic audit will be conducted twice in a year (after completion of each term) by internal expert members.

External Academic Audit will be conducted once in year by external expert members (industry, academia and research).

Responsibility: Dy Director AR, Dean QA, School Deans

Action Taken:

School/Department	Status of Internal Academic Audit
Chemical Engineering	Internal audit has been conducted for chemical dept for DSY, TY and Btech dated on 10th Jan 2023 by ISO Coordinator and 19th Jan 2023 by Dept QA Coordinator. A
Civil Engineering	Proposed by 10th February 2023.
Computer Engineering	Internal Audit conducted in School of Computer Engineering for DSY, TY and BTech conducted on 12 Jan 2023 by ISO Coordinator and Dept QA Coordinator.
Electronics and Telecommunication Engineering	Internal Audit conducted in School of ENTIC Engineering for DSY, TY and BTech conducted on 13th Jan 2023 by ISO Coordinator and Dept QA Coordinator.

06



Electronics Engineering	Internal Audit conducted in School of ETX Engineering for DSY, TY and BTech conducted on 13th Jan 2023 by ISO Coordinator and Dept QA Coordinator.
Mechanical Engineering	Done
Humanities and Engineering Sciences	Done
Design	In Process

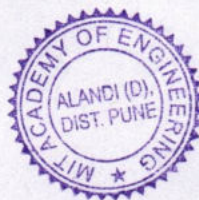
To discuss about question paper audit

Discussion and Resolution: Dean QA briefed about the question paper audit. Audit will be conducted at department/school level and institute level at the end of the semester.

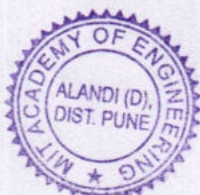
Responsibility: COE, Dean QA, School Deans

Action Taken:

School/Department	Status of School level Question Paper Audit	Status of Institute level Question Paper Audit
Chemical Engineering	Audit Completed for TY/B Tech courses of Sem I (22-23)	Question paper audit will be conducted in the month of Feb-Mar 2023
Civil Engineering	Audit Completed for TY/B Tech courses of Sem I (22-23)	
Computer Engineering	Audit Completed for TY/B Tech courses of Sem I (22-23)	
Electronics and Telecommunication Engineering	Audit Completed for TY/B Tech courses of Sem I (22-23)	Question paper audit will be conducted in the month of Feb-Mar 2023
Electronics Engineering	Audit Completed for TY/BTech courses of Sem I (22-23)	
Mechanical Engineering	Audit Completed for TY/BTech courses of Sem I (22-23)	
Humanities and Engineering Sciences	Mid SEM Audit is being conducted, Final exam audit will be conducted after End SEM exam gets over.	



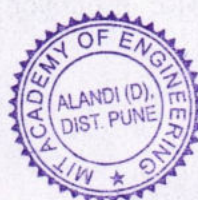
	Design	In Process						
08	To discuss about R&D activities (Achievements for 2021-22 and plan for 2022-23)							
	Discussion and Resolution: Dean R&D briefed about the R&D activities and achievements for 2021-22 and plan for 2022-23. He also presented the status of publications, seed money proposals, IPR. (Annexure-V).							
	Responsibility: Dean R&D, School Deans							
	Action Taken: Academic Year 2022-23							
	School	No of Publication s in Journal	No. of Publication s in Conference	No of Book Chapter s	No. of Researc h Projects	Amount of Researc h Funds Received (Rs)	Amoun t of Seed Money (Rs)	No. Of Patents publishe d
	Chemical Engineering	6	1	0	0	0	8000/-	1
	Civil Engineering	5	2	0	0	0	41000/-	0
	Computer Engineering	4	2	0	0	0	5850/-	0
	Electronics and Tel Engineering	1	3	0	0	0	0	1
	Electronics Engineering	7	0	0	0	0	8000/-	0
Mechanical Engineering	9	4	0	0	0	129000/- -	5	
Humanities and	0	0	0	0	0	0	0	



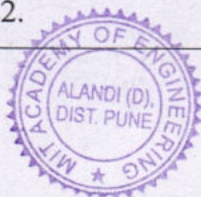
Engineering Sciences							
Design	0	0	0	0	0	0	0

Seed Money Proposals for academic year 2022-23:

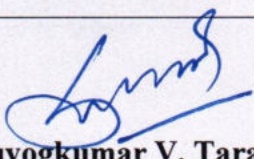
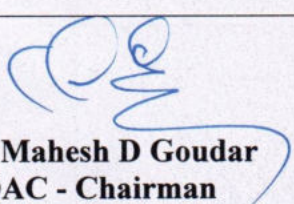
Sr. No.	Faculty Name	School	Project Title	Amount Requested
1	Mr. Bhaskar Wabhitkar	Civil	Parametric study of Slopes, reinforced with Natural Fiber for the rainfall-induced landslide	25,000
2	Mr. Amol Kolhe	Mechanical	Manufacturing a novel composite for Fused Deposition Modeling.	1,00,000
3	Dr. Prafulla Hatte	Mechanical	Food Crushing Machine	25,0000
4	Dr. Subrata Bhowmik.	Mechanical	Investigation of Combustion, Performance, Emission and Exergy analysis of a CI Engine Fueled with biodiesel blends under Enriched Hydrogen Dual Fuel Strategies.	3,45,000
5	Mr. Rahul Kumar Patil, Dr. Subrata Bhowmik	Mechanical	Novel approach for the extraction of Pyrolysis oil from Plastic waste & its Application.	1,80,000
6	Mrs Kunjan Junghare	Chemical	To study heat transfer distribution in free and forced convection	40,000
7	Mrs Archana Mane	Mechanical	Energy Audit of college campus building	20,000
8	Dr Nilesh Totala	Mechanical	Design and Fabrication of Multipurpose Agriculture Sprayer	25,488
9	Dr Nilesh Totala	Mechanical	Superconducting Induction Motor	25,000
10	Dr. Rashmi Mahajan	SEE	Surveillance Drone	50,000
Total				8,35,488

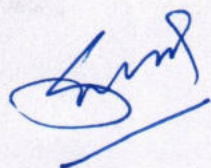
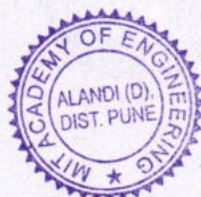


09	<p>To discuss about T&P activities (Achievements for 2021-22 and plan for 2022-23)</p> <p>Discussion and Resolution: Deputy Director CR briefed about the T&P activities and achievements for 2021-22 & plan for 2022-23 (Annexure-VI).</p> <p>Responsibility: Deputy Director CR</p> <p>Action Taken:</p> <ol style="list-style-type: none"> 1. New concept of Skill Factory introduced to enhance the skills of the students. Various skill development programs are arranged for the students in collaboration with AICTE-EduSkills foundation (Academies like AWS, RedHat, Celonis, Altreix, Juniper), CISCO, Infosys Springboard, FUEL foundation, etc. 2. Technical certifications are mandatory for placement registration and TYBTECH students are completing the same in various domains. 3. Separate dashboard for MITAOE students created on CalyxPod system for all internship and placement related activities. 4. Corporate trainers are appointed for Professional skill and Employability & Career Development courses for SY and TY students respectively. 5. This year around 370 students enrolled for SLIP (Semester Long Internship Program) 6. Till date around 440 offers received from various recruiters for 2022-23 batch students.
10	<p>To discuss about accreditation status (NAAC and NBA)</p> <p>Discussion and Resolution: Dean QA briefed about the NBA and NAAC accreditation status.</p> <p>NBA Accreditation status:</p> <p>Department of Electronics and Telecommunication Engineering is accredited for three years i.e. 2022 - 23, 2023 - 24, 2024 - 25 with a score of 671 / 1000.</p> <p>The date of NBA committee visits for the following programs is finalized by the NBA. Expert team will visit these departments from 18th - 20th Nov. 2022.</p> <p>Computer Engineering</p> <p>Chemical Engineering</p> <p>Mechanical Engineering</p> <p>NAAC Accreditation Status:</p> <p>Awareness session and criteria wise discussion with Dr. Jayraj sir (NAAC Expert) conducted in month August, September and October 2022.</p>



	<p>IIQA for cycle-2 shall be submitted in the month of December 2022.</p> <p>Preparation of SSR for Cycle-2 is in process.</p> <p>Responsibility: Dean QA, NBA Coordinator, School Deans</p>
	<p>Action Taken:</p> <p>NBA:</p> <ol style="list-style-type: none"> 1. 3 UG programs: Chemical, Computer and Mechanical got 3 years of accreditation (2022 to 2025) 2. Pre-qualifier for UG-Civil Engg is ready <p>NAAC:</p> <ol style="list-style-type: none"> 1. AQAR for the year 2021-2022 was submitted on 27 Dec 2022. 2. IIQA for cycle-2 is ready 3. SSR preparation as per NAAC-Dec 2022 guidelines is in process.
11	<p>To discuss about status of strategic plan</p> <p>Discussion and Resolution: Dean QA presented status of Quarter-I of strategic plan for 2022-23. Details are given in Annexure-VII.</p> <p>Responsibility: Director, Dy. Director-AR & CR, Registrar</p>
	<p>Action Taken: Status of Strategic Plan for Quarter-II as per Annexure-I</p>
12	<p>Any other point with permission of Chair.</p> <p>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.</p>

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

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 MIT Academy of Engineering
 Alandi (D.), Pune-412 105
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Annexure-I: Status of Strategic Plan-2022-23-Quarter-II

1	Teaching Learning Process	Target	1st Qtr	2nd Qtr	Achieved Total
1.1 Academic Framework					
1.1.1	Curriculum Flexibility (% of Credits)	22	28	35	35
1.1.1	Curriculum Revision (% of Contents)	25	25	25	25
1.2 Industry Engagement					
1.2.1	Expert Talk	100	35	58	58
1.2.1	Skill Courses	25	32	32	32
1.2.3	Laboratory Collaboration	3	0	0	0
1.3 Teaching Learning Centre					
1.3.1	Faculty Development Programs	7	5	6	6
1.3.2	Professional Courses (per faculty)	2	88	101	101
1.3.3	Assessment Reform (% of Credits)	100	5	5	5
1.3.4	Digital Content Creation (No. of Courses)	100	3	3	3
1.3.5	Professional Certificate Courses	3	3	3	3



Research & Development

Institute	2022-23 (Targets)	Quarter 1	Quarter 2
Seed Money(No. of projects/program - 8)	14	11	11
External Funding (Per program) - Total 8	14 Lakhs	0	0

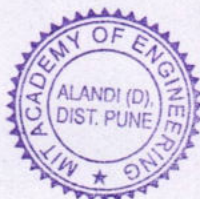
Research Publications (Nos) - Scopus / SCI Indexed	(Targets)	Quarter 1	Quarter 2
International Journal	25	14	25
National Journal	5	0	0
International / National Conferences	70	11	13
Book Chapters	10	0	0

	(Targets)	Quarter 1	Quarter 2
IPR (No. of Patents)	15	0	7 Patents filed, 8 in process
Engineering Consultancy	8	0	0.65
Design Consultancy	4	0	0



Support and Success

3	Students Support & Success	Indicators	Target (2022-23)	Status (Q1 + Q2)
3.1	Employability- Training programs	Nos.	10	6
3.2	SIP (Industry) - No. of students	Nos.	450	NA
3.3	SIP - No. of industry offers	Nos.	400	NA
3.4	SLIP - No. of students	Nos.	200	370
3.5	SLIP - No. of industry offers	Nos.	80	92
3.6	Placement - No. of students	Nos.	480	330
3.7	Placement - No. industry offers	Nos.	330	86
3.8	Placement - Average Salary (in Lakhs)	Nos.	5.4	6.56 LPA

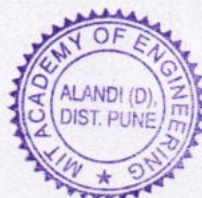


Enhanced Students Experience

	Enhanced Student Experience	Target	1st Qtr	2nd Qtr	Achieved Total
Competitions and Events Participation					
1	Number of students participated in Technical events/ competitions(in-house and outside)	350	75	50	125
2	Number of Technical competitions	35	3	5	8
3	Total number of Technical Achievements	40	3	3	6
4	Total number of students participation in various student events (Technical and non technical, sports)	1500	165	100	265
5	Total number of students Achievements	80	14	20	34
6	Total Number of events/competitions to be participated	100	15	17	32

Enhanced Alumni Engagement

Sl. No.	Objective	Indicator	Target (2022-23)	Status (Q1 + Q2)
a	Alumni Activities	Nos.	80	32
b	Alumni meet (school/institute level)	Nos.	8	3
c	Alumni meet - Student involvement	Nos.	800	100
d	Alumni - Sponsorship (Nos.)	Nos.	7	0
e	Alumni - Internship / placement offers	Nos.	80	26
f	Distinguished Alumni / Recognition Appreciation	Nos.	7 \ 40	6\6



People & Welfare

Employees as on 7.2.2023

Teaching Staff - 163

Non-Teaching Staff – 215

Welfare -

Employees Provident Fund (EPF)

Gratuity for Non-teaching Staff

Partial Reimbursement for medical insurance of employee

Accidental and health insurance for driver and electrician

Compassionate appointment of a family member consequent to death of an employee.

Reimbursement for membership fee of professional bodies like IEEE/IET

Promotion policy, AGP Revision, CAS Policy

Study/Lien leave for Ph.D. and Postdoc

Increment on award of Ph.D.

Professional Development leaves for attending FDPs / Conferences/Workshops/etc...

Financial support for attending FDP/ conferences/workshop/seminar

Seed Money for research projects

Financial support for Patents & publications in SCI/SCIE indexed journals.

Research and Development Incentive scheme

MOU with YOUR DOST which provides 24*7 online counselling platform for emotional wellbeing of employee

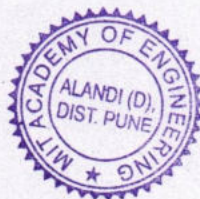
Free uniforms provided to drivers and peons

Loan facility to the teaching and non-teaching staff through MIT Employee Society, Pune



Entrepreneurship & Innovation

S1. No.	Objective	Indicat or	Target (2022- 23)	Status (Q1 + Q2)
8.1	IE Awareness and Promotional activities	Nos.	12	5
8.2	Networking	Nos.	6	5
8.3	Upskilling and Outreach program	Nos.	4	3
8.4	Alumni engagement activities	Nos.	4	4
8.5	Project to Product (P2P) Transformation Program	Nos.	6	3
8.6	No of student startup	Nos.	15	11
8.7	Infrastructure and facilities - Incubatee Seating space	Nos.	15	12
8.8	Patents at MITAOE EDF	Nos.	6	2
8.9	Crazy quilt with mentor, investor and channel partners	Nos.	30	11



MIT Academy of Engineering (An Autonomous Institute)	IQAC MEETING AGENDA		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	:	10/02/2023
	Time	:	2.00 pm
	MEETING NO.	:	IQAC/2022-23/02

1. To confirm the previous minutes of meetings and review on action taken report
2. To discuss about revision in curriculum
3. To discuss about stakeholder's feedback (curriculum/facilities)
4. To discuss about academic monitoring (academic audits & question paper audit)
5. To discuss about admission for year 2022-23 (UG, PG)
6. To discuss about R&D activities (Quarter-2 of 2022-23)
7. To discuss about T&P activities (Quarter-2 of 2022-23)
8. To discuss about Alumni activities (Quarter-2 of 2022-23)
9. To discuss about Students activities (Quarter-2 of 2022-23)
10. To discuss about accreditation status (NAAC and NBA)
11. To discuss about status of strategic plan (Quarter-2 of 2022-23)
12. Any other point with permission of chair



IQAC Coordinator



IQAC Chairman

Alandi (D), Pune - 412 105

**ACADEMIC
YEAR : 2022-2023**

**INTERNAL QUALITY
ASSURANCE CELL**

DATE : 10th February 2023

MEETING NO. : IQAC/2022-23/02

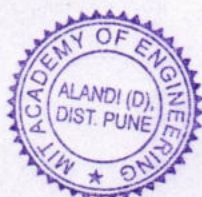
Agenda of the Meeting:

1. To confirm the previous minutes of meetings and review on action taken report
2. To discuss about revision in curriculum.
3. To discuss about stakeholder's feedback (curriculum/ facilities).
4. To discuss about academic monitoring (academic audits & question paper audit).
5. To discuss about admission for year 2022-23(UG, PG).
6. To discuss about R&D activities (Quarter -2 of 2022-23).
7. To discuss about T&P Activities (Quarter -2 of 2022-23).
8. To discuss about Alumni Activity (Quarter -2 of 2022-23).
9. To discuss about student Activities (Quarter -2 of 2022-23).
10. To discuss about accreditation status (NAAC and NBA)
11. To discuss about status of strategic plan
12. Any other point with permission of chair

The second meeting of IQAC for academic year 2022-2023 was held 10th February 2023, at 02.00 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.) Balasaheb Waphare
2. Prof.(Dr.) Shitalkumar A. Jain
3. Prof.(Dr.) Sunita S. Barve
4. Prof.(Dr.) Abhijeet Malge
5. Dr. Arika Kotha
6. Prof. Ranjana Badre
7. Prof.(Dr.) Dipti Sakhare
8. Prof.(Dr.) Prafulla Hatte
9. Mrs. Vandana Khandelwal
10. Dr. Suyogkumar Taralkar
11. Mr. Pravin Pawar (Online Mode)
12. Prof. Sunilkumar.M. Bhagat
13. Dr. Vaishali Wangikar



Other Invitees:

14. Prof. Vishal Jagtap
15. Ms. Mayura Kulkarni
16. Dr. Sandeep Shewale
17. Dr. Pramod Kothmire
18. Dr. Janhavi Inamdar

The leave of absence was granted to following members:

19. Prof.(Dr.) Anant Chakradeo
20. Mr. Girish Bora
21. Mr. Yash Tajane
22. Mr. Saurabh Saha
23. Dr. Shayam Shukla
24. Prof. Avinash Bhalerao

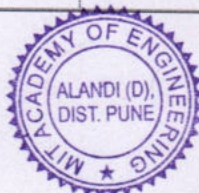
To confirm the previous minutes of meetings and review on action taken report.**Discussion and Resolution:**

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

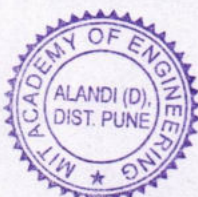
The previous minutes of meeting (Meeting-1, 2022-23, term-I, November 04, 2022) and review on action taken report was discussed and confirmed by all members of IQAC.

Action taken report on suggestions given in previous meeting:

Sr. No.	Suggestions	Action Taken
1	Revision of department/school vision and mission in line with revised institute vision and mission.	Revision of Department/school vision and mission statements are in process.
2	Value added courses	Each school has identified value added courses for all classes. Institute level Fuel course is currently going on.
3	Revised policy for advanced and weak learners	Revised policy is implemented and departments/schools has started process to identify weak and advanced learners.
4	Stakeholders feedback on curriculum	Stakeholders feedback on curriculum is taken and analyzed.

01

	5	Internal and external academic audits	Internal Academic Audits for all departments are conducted. Academic Monitoring committee is in place to review the academics.
	6	Question paper audit	Internal Question Paper audit is completed. External audit is planned in the month of March 2023.
	7	R&D activities	Journal Publications: 32 Conference Publications: 12 Patents: 07 Seed Money: Rs. 1,91,820/-
	8	T&P Activities	No. of Company Visited: 86 No. of students Placed: 437 Average Salary: 6.56 LPA No. of SLIP: 370 Average stipend for SLIP: 16 K
	9.	Accreditation	4 UG departments: Chemical, Computer E&TC, Mechanical got accredited by NBA for 3 years (Tier-I) UG-Civil engineering: Pre-qualifier to be submitted on 14 Feb 2023 NAAC: IIQA to be submitted
02	<p>To discuss about revision in curriculum –First Year Curriculum Structure 2022 Revision (Autonomy 3.0), Common Second Year Curriculum Structure 2022 Revision (Autonomy 3.0),</p> <p>Discussion and Resolution: Dean QA briefed about the revision in curriculum -First Year Curriculum Structure 2022 Revision (Autonomy 3.0), Common Second Year Curriculum Structure 2022 Revision (Autonomy 3.0) details.</p> <p>Details are given in Annexure-I, II.</p> <p>Responsibility: Dy. Director-AR, School Deans</p>		
03	<p>To discuss about stakeholder's feedback (curriculum/facilities).</p> <p>Discussion and Resolution: Dean QA briefed about the stakeholder's feedback on curriculum Status. It is decided that, School Deans should ensure that, feedback on curriculum will be taken, analyzed and action taken report will be submitted before next IQAC meeting.</p> <p>Feedback on facilities will be taken on regular basis and will be analyzed by Quality Coordinator as part of ISO system.</p> <p>Responsibility: Dy. Director-AR, School Deans, Quality Coordinator</p>		



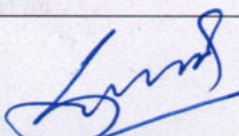
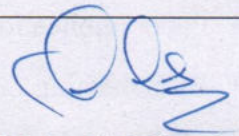
04	<p>To discuss about academic monitoring (academic audits & question paper audit)</p> <p>Discussion and Resolution: Dean QA briefed about the academic audits & question paper audit. It is decided that, academic audits will be conducted by external auditors and will be monitored by Dy. Director AR. Question paper audit at institute level will be conducted in month of March 2023. The report of same will be presented in next IQAC meeting.</p> <p>Details are given in Annexure-III.</p> <p>Responsibility: Dy Director AR, School Deans, COE, Dean QA</p>
05	<p>To discuss about admission for year 2022-23 (UG)</p> <p>Discussion and Resolution: Dean QA briefed about the admission for year 2022-23 (UG). Dr. Waphare asked the other institute admission scenario in UG Mechanical and PG courses. Director, Dr. Goudar suggested that more efforts by marketing team are required for PG admissions.</p> <p>Details are given in Annexure-IV</p> <p>Responsibility: Marketing Team, School Deans</p>
06	<p>To discuss about R&D activities (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Dean QA presented status of the Paper Publications:</p> <ol style="list-style-type: none"> 1. International Journals:25 2. National Journals:00 <p>Conference Presentations:</p> <ol style="list-style-type: none"> 1. International Conferences: 13 2. National Conferences: 00 <p>Patents Published: 7</p> <p>Research & Consultancy</p> <ol style="list-style-type: none"> 1. Applied to KAPILA Scheme (Innovation Cell of Govt of India). 2. Arranged IP Awareness Session by Saurabh Kumar, Patent Examiner, under NIPAM Scheme. 3. Creating the faculty database for industry research/ consultancy work. <p>Responsibility: Dean R&D, School Deans</p>
07	<p>To discuss about T&P activities (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Deputy Director CR briefed about the T&P activities and achievements</p> <p>Total no. of students placed:</p> <p>366 / 676 (with single offer)</p> <p>437 / 676 (with multiple offer)</p>



	<p>•Percentage of Students placed: 54.14% (with single offer) 64.49% (with multiple offer)</p> <p>•Highest Salary Offered: CTC 25 LPA</p> <p>•Average Salary offered: 6.97 LPA (with single offer) 6.57 LPA (with multiple offer)</p> <p>•Total Companies in Database: 87</p> <p>Details are given in Annexure-V</p> <p>Responsibility: Dy. Director CR</p>
08	<p>To discuss about Alumni activities (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Dean QA presented status the Alumni activities.</p> <ul style="list-style-type: none"> ❖ Guest lecture ❖ Mock NBA Audit ❖ NBA Audit ❖ F.Y. Induction program ❖ Talk on project to product concept ❖ Invited as an external examiner ❖ School level Alumni meet ❖ Paper publication ❖ BOS meeting <p>Responsibility: Alumni Coordinator</p>
09	<p>To discuss about Students activities (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the Students activities.</p> <p>Total 265 students participated in various Cultural, Sports, Co-Curricular events.</p> <p>Details are presented in Enhanced Students Experience.</p> <p>Responsibility: Dean Student affairs</p>
10	<p>To discuss about accreditation status (NAAC and NBA)</p> <p>Discussion and Resolution: Dean QA briefed about the accreditation status</p>



	<p>1) Following Four Programs are Accredited by NBA for 3 years i.e. 2022 – 2025 in tier-I mode</p> <p>a) Chemical Engineering, b) Computer Engineering c) Electronics & Telecommunication Engineering d) Mechanical Engineering</p> <p>2) The pre-qualifier of Civil Engineering will be submitted on 14th Feb 2023</p> <p>3) NAAC-IIQA will be submitted on 16th Feb 2023</p> <p>Responsibility: Dean QA, NBA Coordinator, School Deans</p>
11	<p>To discuss about status of strategic plan (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Dean QA presented status of Quarter-II of strategic plan for 2022-23.</p> <p>Details are given in Annexure-VI.</p> <p>Responsibility: Director, Dy. Director-AR & CR, Registrar</p>
12	<p>Any other point with permission of Chair.</p> <p>IQAC – Coordinator & Dean QA proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.</p>

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

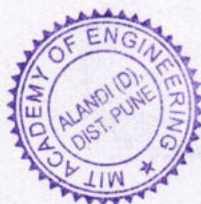


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Annexure-I, II:

Curriculum Framework

SEMESTER: I (PART I)													
INDUCTION PROGRAM													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MS E	ESE	CA	D/P			
NSC1	AS105	Calculus and Differential Equations	3	-	1	30	20	50	30	20	150	4	
NSC2	AS106	Engineering Physics	3	2	-	30	20	50	30	20	150	4	
ESC1	ET101	Electrical, Electronics and Telecommunication	3	2	-	30	20	50	30	20	150	4	
ESC2	ME107	Engineering Graphics	1	4	-	15	20	40	30	20	125	3	
ESC3	CS103	Foundations of Computing	2	4	-	15	20	40	50	25	150	4	
HSS1	HP107/(10 /12/14)	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
HSS3	HP109	Universal Human Values	2	-	-	-	-	-	-	-	Audit		
TOTAL			14	14	1						775	20	



SEMESTER: II (PART I)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TO TA L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC3	AS107	Statistics and Integral Calculus	3	-	1	30	20	50	30	20	150	4	
NSC4	CH101	Science of Nature	3	2	-	30	20	50	30	20	150	4	
ESC4	CV103	Applied Mechanics	2	2	-	15	20	40	30	20	125	3	
ESC5	ME106	Design Thinking	1	2	-	-	-	-	40	35	75	2	
ESC6	CS104	Essentials of Data Science	2	4	-	15	20	40	50	25	150	4	
HSS2	HP108/(11/ 13/15)	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
ESC7	ET104	Emerging Technologies	1	2	-	-	-	-	25	50	75	2	
HSS4	HP106	Indian Constitution	1	-	-	-	-	-	-	-	Audit		
TOTAL			13	14	1						775	20	



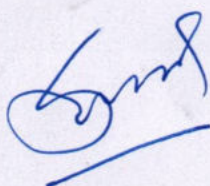
SEMESTER: III					
COURSE		TEACHING SCHEME			CREDIT
TYPE	NAME	Hour/Week			
		L	P	T	
NSC5	Applied Mathematics	3	2	-	4
NSC6	Discipline Core	3	-	-	3
DC1	Discipline Core	3	2	-	4
DC2	Discipline Core	3	2	-	4
SDE1	Object Oriented Programming using C++	2	4	-	4
SDE2	Prototyping	0	4	-	2
PI1	Minor Project	-	2	-	1
ESC8	Environmental Sciences	1	-	-	Audit
TOTAL		15	16	-	22

SEMESTER: IV					
COURSE		TEACHING SCHEME			CREDI T
TYPE	NAME	Hour/Week			
		L	P	T	
ESC9	Engg. Informatics/Material Engineering	3	2	-	4
DC3	Discipline Core (DataBase and Analytics)	2	4	-	4
DC4	Discipline Core	3	2	-	4
DC5	Discipline Core	3	2	-	4
SDE3	Professional Skill	0	4	-	2
PI2	Minor Project	-	2	-	1
HSS5	Universal Human Values I	3	-	-	3
HSS6	Liberal Learning	1	-	-	Audit
TOTAL		15	14	-	22



Annexure-III.**Academic Monitoring Committee**

Sr. No.	School	Committee Members	Points to be consider for academic monitoring
1	Chemical	Dr. S. P. Shewale, Dr. A. D. Gundecha and Dr. M. D. Goudar	Theory and Laboratory sessions, Question papers (MSE, ESE), IA Activities, Academic Records in Hard/soft copy, LMS, Feedback
2	Civil	Dr. S. Shukla, Dr. A. D. Gundecha and Dr. M. D. Goudar	
3	Computer	Dr. R. M. Goudar, Dr. S. V. Taralkar and Prof. A. S. Bhalerao	
4	Electronics & Telecom.	Dr. D. Sakhare and Prof. S. Bhagat	
5	Mechanical	Dr. A. M. Malge and Dr. S. A. Jain	
6	Design	Respective HoD and Dr. P.R. Hatte	
7	FY B Tech	Dr. V. Wangikar, Dr. S. S. Barve, Dr. U. Y. Verma	

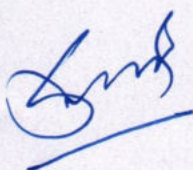


Annexure-IV.**Admission for year 2022-23 (UG)**

Branch	Sanctioned Intake	Total students admitted	Vacancy	% Admissions
Civil	60	31	29	51.67
Chem	60	45	15	75.00
Computer	180	180	0	100
Electronics	60	60	0	100
E&TC	120	120	0	100
Mechanical	180	147	33	81.67
	660	583	77	88.33

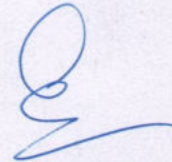
Admission for year 2022-23 (PG)

Branch	Sanctioned Intake	Total students admitted	Vacancy	% Admissions
Computer	18	3	15	16.67
Mechanical	18	1	17	5.55
	36	4	32	11.11



Annexure-V**Details of T&P activities (Quarter-2 of 2022-23)**

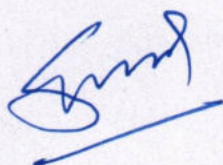
Department SLIP Status	COMP	IT	E&TC	ETX	MECH	CIVIL	CHEM
Final Year Students Strength	179	89	152	28	215	65	67
SLIP Confirmed students	96	37	64	11	90	33	38
SLIP In-Process students	6	4	5	2	4	5	0
Maximum Stipend	110000	130000	33000	30000	20000	15000	20000
Minimum Stipend	1000	1500	5000	10000	5000	5000	5000



Annexure-VI

Status of Strategic Plan-2022-23: Quarter-II

1	Teaching Learning Process	Target	1st Qtr	2nd Qtr	Achieved Total
1.1 Academic Framework					
1.1.1	Curriculum Flexibility (% of Credits)	22	28	35	35
1.1.1	Curriculum Revision (% of Contents)	25	25	25	25
1.2 Industry Engagement					
1.2.1	Expert Talk	100	35	58	58
1.2.1	Skill Courses	25	32	32	32
1.2.3	Laboratory Collaboration	3	0	0	0
1.3 Teaching Learning Centre					
1.3.1	Faculty Development Programs	7	5	6	6
1.3.2	Professional Courses (per faculty)	2	88	101	101
1.3.3	Assessment Reform (% of Credits)	100	5	5	5
1.3.4	Digital Content Creation (No. of Courses)	100	3	3	3
1.3.5	Professional Certificate Courses	3	3	3	3



Research & Development

Institute	2022-23 (Targets)	Quarter 1	Quarter 2
Seed Money(No. of projects/program - 8)	14	11	11
External Funding (Per program) - Total 8	14 Lakhs	0	0

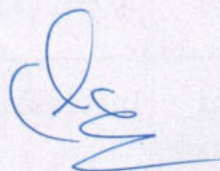
Research Publications (Nos) - Scopus / SCI Indexed	(Targets)	Quarter 1	Quarter 2
International Journal	25	14	25
National Journal	5	0	0
International / National Conferences	70	11	13
Book Chapters	10	0	0

	(Targets)	Quarter 1	Quarter 2
IPR (No. of Patents)	15	0	7 Patents filed, 8 in process
Engineering Consultancy	8	0	0.65
Design Consultancy	4	0	0



Support and Success

3	Students Support & Success	Indicators	Target (2022-23)	Status (Q1 + Q2)
3.1	Employability- Training programs	Nos.	10	6
3.2	SIP(Industry) - No. of students	Nos.	450	NA
3.3	SIP - No. of industry offers	Nos.	400	NA
3.4	SLIP - No. of students	Nos.	200	370
3.5	SLIP - No. of industry offers	Nos.	80	92
3.6	Placement - No. of students	Nos.	480	330
3.7	Placement - No. industry offers	Nos.	330	86
3.8	Placement - Average Salary (in Lakhs)	Nos.	5.4	6.56 LPA



Enhanced Students Experience

	Enhanced Student Experience	Target	1st Qtr	2nd Qtr	Achieved Total
Competitions and Events Participation					
1	Number of students participated in Technical events/ competitions(in-house and outside)	350	75	50	125
2	Number of Technical competitions	35	3	5	8
3	Total number of Technical Achievements	40	3	3	6
4	Total number of students participation in various student events (Technical and non technical, sports)	1500	165	100	265
5	Total number of students Achievements	80	14	20	34
6	Total Number of events/competitions to be participated	100	15	17	32

Enhanced Alumni Engagement

Sl. No.	Objective	Indicator	Target (2022-23)	Status (Q1 + Q2)
a	Alumni Activities	Nos.	80	32
b	Alumni meet (school/institute level)	Nos.	8	3
c	Alumni meet - Student involvement	Nos.	800	100
d	Alumni - Sponsorship (Nos.)	Nos.	7	0
e	Alumni - Internship / placement offers	Nos.	80	26
f	Distinguished Alumni / Recognition Appreciation	Nos.	7 \ 40	6\6



People & Welfare

Employees as on 7.2.2023

Teaching Staff - 163

Non-Teaching Staff – 215

Welfare -

Employees Provident Fund (EPF)

Gratuity for Non-teaching Staff

Partial Reimbursement for medical insurance of employee

Accidental and health insurance for driver and electrician

Compassionate appointment of a family member consequent to death of an employee.

Reimbursement for membership fee of professional bodies like IEEE/IET

Promotion policy, AGP Revision, CAS Policy

Study/Lien leave for Ph.D. and Postdoc

Increment on award of Ph.D.

Professional Development leaves for attending FDPs / Conferences/Workshops/etc...

Financial support for attending FDP/ conferences/workshop/seminar

Seed Money for research projects

Financial support for Patents & publications in SCI/SCIE indexed journals.

Research and Development Incentive scheme

MOU with YOUR DOST which provides 24*7 online counselling platform for emotional wellbeing of employee

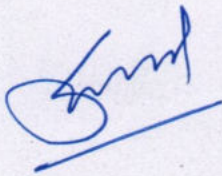
Free uniforms provided to drivers and peons

Loan facility to the teaching and non-teaching staff through MIT Employee Society, Pune



Entrepreneurship & Innovation

S1. No.	Objective	Indicat or	Target (2022- 23)	Status (Q1 + Q2)
8.1	IE Awareness and Promotional activities	Nos.	12	5
8.2	Networking	Nos.	6	5
8.3	Upskilling and Outreach program	Nos.	4	3
8.4	Alumni engagement activities	Nos.	4	4
8.5	Project to Product (P2P) Transformation Program	Nos.	6	3
8.6	No of student startup	Nos.	15	11
8.7	Infrastructure and facilities - Incubatee Seating space	Nos.	15	12
8.8	Patents at MITAOE EDF	Nos.	6	2
8.9	Crazy quilt with mentor, investor and channel partners	Nos.	30	11



MITAcademy of
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ATTENDANCE

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ACADEMIC YEAR

: 2022-2023


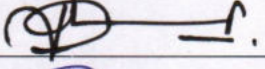
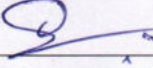
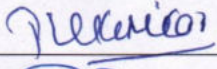







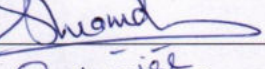
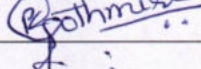
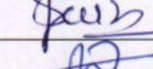
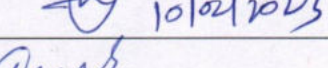
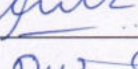
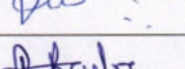

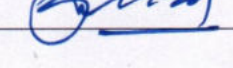
INTERNAL QUALITY
ASSURANCE CELL

DATE

: 10th February 2023

MEETING NO.

: IQAC / 2022-23 / 02

Sr. No.	Name of the Faculty	Signature
01	Ms. Vandana Khandelwal	
02	VISHAL JAGTAP	
03	A. M. Malge	
04	M. A. Kulkarni	
05	Sadeep Sheewale	
06	Dr. Rajeshwari Goudar	
07	Dr. Prafulla Hatte	
08	Dr. Sunita Bawre	
09	Prof S. M. Bhoyat	
10	Sebi Sakhare	
11	DR. MAHESH. GOUDAR	
12	Dr. Janhavi Inamdar	
13	PRAMOD P. KOTHMIRE	
14	Dr. S. A. Jain	
15	Dr. B. B. Waghare	
16	Dr. Azika Kotha	
17	Dr. Vaishali Khandekar	
18	Mrs. R. R. Badre	
19	Dr. S. V. Taraskar	
20		

Alandi (D), Pune - 412 105

ACADEMIC
YEAR : 2022-2023

INTERNAL QUALITY
ASSURANCE CELL

DATE : 10th February 2023

MEETING NO. : IQAC/2022-23/02

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

Discussion and Resolution:

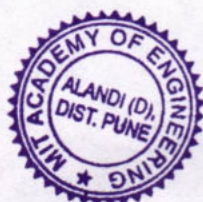
IQAC Coordinator, welcomed all members to the meeting and briefed about the IQAC committee. With permission of chairman, the IQAC Coordinator discussed the agenda of the meeting in his opening remarks.

The previous minutes of meeting (Meeting-1, 2022-23, term-I, November 04, 2022) and review on action taken report was discussed and confirmed by all members of IQAC.

Action taken report on suggestions given in previous meeting:

Sr. No.	Suggestions	Action Taken
1	Revision of department/school vision and mission in line with revised institute vision and mission.	Revision of Department/school vision and mission statements are in process.
2	Value added courses	Each school has identified value added courses for all classes. Institute level Fuel course is currently going on.
3	Revised policy for advanced and weak learners	Revised policy is implemented and departments/schools has started process to identify weak and advanced learners.
4	Stakeholders feedback on curriculum	Stakeholders feedback on curriculum is taken and analyzed.
5	Internal and external academic audits	Internal Academic Audits for all departments are conducted. Academic Monitoring committee is in place to review the academics.

01

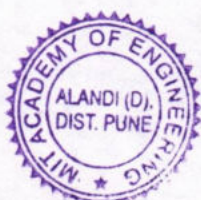


32/2

	6	Question paper audit	Internal Question Paper audit is completed. External audit is planned in the month of March 2023.					
	7	R&D activities	Journal Publications: 32 Conference Publications: 12 Patents: 07 Seed Money: Rs. 1,91,820/-					
	8	T&P Activities	No. of Company Visited: 86 No. of students Placed: 437 Average Salary: 6.56 LPA No. of SLIP: 370 Average stipend for SLIP: 16 K					
	9.	Accreditation	4 UG departments: Chemical, Computer E&TC, Mechanical got accredited by NBA for 3 years (Tier-I) UG-Civil engineering: Pre-qualifier to be submitted on 14 Feb 2023 NAAC: IIQA to be submitted					
02	To discuss about revision in curriculum –First Year Curriculum Structure 2022 Revision (Autonomy 3.0), Common Second Year Curriculum Structure 2022 Revision (Autonomy 3.0), Discussion and Resolution: Dean QA briefed about the revision in curriculum -First Year Curriculum Structure 2022 Revision (Autonomy 3.0), Common Second Year Curriculum Structure 2022 Revision (Autonomy 3.0) details. Details are given in Annexure-I, II. Responsibility: Dy. Director-AR, School Deans							
	Action Taken:							
	<table><tr><th>School</th><th>Curriculum Structure (provide link)</th></tr><tr><td>Engineering Sciences and Humanities</td><td>FY Curriculum Structure revised on 2022-23: https://docs.google.com/document/d/19TBTIvEt7MN2B4Tpw9tQWEKBhk606P7Y/edit?usp=drive_link&ouid=118248173541979857430&rtpof=true&sd=true</td></tr><tr><td>Chemical Engineering</td><td>SY curriculum has been revised as of 2023 pattern New courses has been introduced Sem I - Instrumental and Analytical Techniques for Chemical Engineers, Computer applications Sem II- UHV-I Other required core courses are retained with revision of content</td></tr></table>			School	Curriculum Structure (provide link)	Engineering Sciences and Humanities	FY Curriculum Structure revised on 2022-23: https://docs.google.com/document/d/19TBTIvEt7MN2B4Tpw9tQWEKBhk606P7Y/edit?usp=drive_link&ouid=118248173541979857430&rtpof=true&sd=true	Chemical Engineering
School	Curriculum Structure (provide link)							
Engineering Sciences and Humanities	FY Curriculum Structure revised on 2022-23: https://docs.google.com/document/d/19TBTIvEt7MN2B4Tpw9tQWEKBhk606P7Y/edit?usp=drive_link&ouid=118248173541979857430&rtpof=true&sd=true							
Chemical Engineering	SY curriculum has been revised as of 2023 pattern New courses has been introduced Sem I - Instrumental and Analytical Techniques for Chemical Engineers, Computer applications Sem II- UHV-I Other required core courses are retained with revision of content							

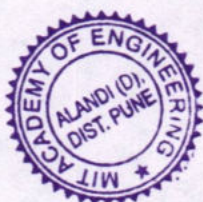


		https://drive.google.com/drive/folders/1JrrG1U0be8aCAVqVSUYcOJFqt_kPxogA?usp=sharing
Civil Engineering	<p>SY curriculum has been revised as of 2023 pattern</p> <p>Sem-III-</p> <ul style="list-style-type: none"> - Introduced Material Engg. course oriented to Civil Engineering materials. - Added two new skill course introduced on Problem Solving Using OOP (C++ and Java). - EVS now credit course earlier it was audit course. <p>Other required core courses are retained with revision of content</p> <p>Sem-IV-</p> <ul style="list-style-type: none"> - Introduced three Skill Development Courses <ul style="list-style-type: none"> • Data analysis in civil engg new course. • Data Structures • Web Technology - UHV-I <p>Other required core courses are retained with revision of content</p> <p>Drive link-</p> <p>https://drive.google.com/file/d/1J1h9EZvZXugfdAozfYcxONP9OgdwR6yi/view?ts=64815f9d</p>	
Computer Engineering	<p>UG: SY curriculum has been revised as of 2023 pattern</p> <p>Sem- III: New courses has been introduced for Second Year</p> <p>Problem solving using OOP</p> <p>Sem- IV : Universal Human Values - II</p> <p>Drive link:</p> <p>https://docs.google.com/presentation/d/15RPUV1a9DA1C_5Dm-cB9DP3I4DqiC5B/edit?usp=drive_link&ouid=114083136272089442152&rtpof=true&sd=true</p>	



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		<p>PG: New Course introduced for M.Tech. First Year, Semester I : Cloud and Blockchain Security Project work introduced in sem II, III and IV instead of tri semester pattern Summer internship introduced in sem IV Drive link: https://drive.google.com/file/d/1qEzITWU5iT4vff_a7HtopKZ4ycRfPoeB/view?usp=drive_link</p>
	Electronics Engineering	<p>UG: SY curriculum has been revised as of 2023 pattern. New courses in the emerging areas like Engineering Informatics have been introduced with major content reform for Second Year. The applied mathematics will be taught by now by EnTC and ETX faculty with a focus on transformations and probability & random variables. The Engineering Electromagnetics is introduced with varied pedagogical innovative practices. Drive link: https://drive.google.com/drive/folders/1hJERZ754jDtALB-wTZcEiUGU3ILEZ7TS?usp=sharing</p>
	Electronics & Telecommunication Engineering	
	Mechanical Engineering	
		<p>UG: SY curriculum has been revised New courses introduced Sem I - OOPS/Generative Design, UHV Sem II- Data structures, Digital twin Other core courses are retained with revision of content</p> <p>PG: Second year curriculum has been revised with revision of content</p>
	Design	<p>Course structure for 4th year - Product Design, Communication Design & User Experience Design - presented and approved by BOS, Academic council & Governing body. Link for Course structure & Abstract - https://drive.google.com/drive/folders/1BdyOaZDLTIN3wTolno0iv-o9O4djD0QF</p>



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To discuss about stakeholder's feedback (curriculum/facilities).

Discussion and Resolution: Dean QA briefed about the stakeholder's feedback on curriculum Status. It is decided that, School Deans should ensure that, feedback on curriculum will be taken, analyzed and action taken report will be submitted before next IQAC meeting.

Feedback on facilities will be taken on regular basis and will be analyzed by Quality Coordinator as part of ISO system.

Responsibility: Dy. Director-AR, School Deans, Quality Coordinator

Action Taken:

School	Analysis and Action Taken Report on Curriculum Feedback for 2022-23 (provide link)
Engineering Sciences and Humanities	https://docs.google.com/spreadsheets/d/1b5FdFf4wgAQAswMnFa4GGViOXMwrgADY/edit?usp=drive_link&ouid=118248173541979857430&rtpof=true&sd=true
Chemical Engineering	Feedback on curriculum has been taken from alumni and industrial experts by the autonomy co-ordinator of the school. https://docs.google.com/spreadsheets/d/1G-hlTKhPzePv-lqCfmoH2vRfP1UZBMw5SdUo1XiT8_4/edit?usp=drivesdk
Civil Engineering	Feedback on curriculum has been taken from alumni and industrial experts by the autonomy co-ordinator of the school. https://docs.google.com/spreadsheets/d/1qwg-Ocg7DDDS1WNXZLg1212S0D5661W/edit#gid=1073063681
Computer Engineering	UG: Feedback of stakeholders has been taken https://docs.google.com/spreadsheets/d/1r_6-tAmX_24hCyOkPPkqkEPcRvx4N3VoqhC95yU8t5M/edit#gid=1866009311 PG:. Student Feedback FY and SMTECH Semester-I 2022-23. https://forms.gle/6UaPBMBGSN4sLw3J6 Student Feedback FY and SYMTECH Semester-I 2022-23. https://forms.gle/BA83pji8qMqQhjeW8



04

Electronics Engineering Electronics & Telecommunication Engineering	https://drive.google.com/drive/folders/1LEHpPk8kvOjhLN LcCwj1WdgyvvamkMy?usp=drive link	
Mechanical Engineering	UG: Feedback of stake holders has been taken https://drive.google.com/drive/folders/1bYiyKRwjYkqz5iLeOUu2deeGraSCXZ0E?usp=drive link	
	PG: Feedback of stake holders has been taken https://drive.google.com/drive/folders/1bYiyKRwjYkqz5iLeOUu2deeGraSCXZ0E?usp=drive link	

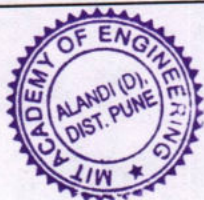
To discuss about academic monitoring (academic audits & question paper audit)
 Discussion and Resolution: Dean QA briefed about the academic audits & question paper audit. It is decided that, academic audits will be conducted by external auditors and will be monitored by Dy. Director AR. Question paper audit at institute level will be conducted in month of March 2023. The report of same will be presented in next IQAC meeting.

Details are given in Annexure-III.

Responsibility: Dy Director AR, School Deans, COE, Dean QA

Action Taken:

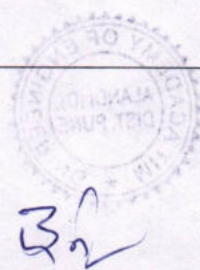
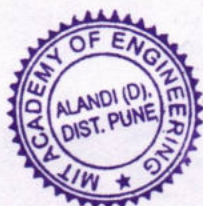
School	Academic Audit Report for 2022-23 (provide link)	Question Paper Audit Report for 2022-23 (provide link)
Chemical Engineering	Academic audit was conducted on 7th April 2023 https://drive.google.com/drive/folders/1JrrG1U0be8aCAVqVSUYcOJFqt_kPxoaA?usp=sharing	
Civil Engineering	Academic audit was conducted on 21 April 2023 https://drive.google.com/file/d/19a77fzjEfeNOEzqNQYG-M6eayF-kmW80/view?usp=drive link Action Taken Report- https://drive.google.com/file/d/1Dua2hTyhgQH5losEiUoMdPcPsatEwMW5/view?usp=drive link	https://docs.google.com/spreadsheets/d/16tEsdjnfkv3OEM2ILINcWBlrrefTpglm/edit#gid=374900030
Computer Engineering	UG: Academic audit was conducted on 17 March 2023 https://drive.google.com/file/d/1kf68kTUBONDtRz07qQOWFw5zL9dh1vxw/view?usp=sharing	



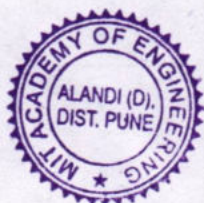
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	Electronics Engineering	https://drive.google.com/drive/folders/1tJWRbG9PmNd_VvfLQW4JclYmX4KdfD2T?usp=sharing	https://drive.google.com/drive/folders/1T4MAUn9z-xCDSu5pxdgnwYfGIXFIVR6H?usp=share link
	Electronics & Telecommunication Engineering		
	Mechanical Engineering	UG: https://drive.google.com/drive/folders/1bYiyKRwjYkqz5iLeOUu2deeGraSCXZ0E?usp=sharing	https://drive.google.com/file/d/1SorjdfBFvKNN09cGfnwoLS2Uy7fnE-E/view?usp=sharing
		PG: https://drive.google.com/drive/folders/1bYiyKRwjYkqz5iLeOUu2deeGraSCXZ0E?usp=sharing	https://drive.google.com/file/d/1SorjdfBFvKNN09cGfnwoLS2Uy7fnE-E/view?usp=sharing
	Design		
	Engineering Sciences and Humanities	Yet to be conducted	https://drive.google.com/drive/folders/17EjklF_rffqrk4VggkKYKseJ3pWQCyrP?usp=drive link
05	To discuss about admission for year 2022-23 (UG) Discussion and Resolution: Dean QA briefed about the admission for year 2022-23 (UG). Dr. Waphare asked the other institute admission scenario in UG Mechanical and PG courses. Director, Dr. Goudar suggested that more efforts by marketing team are required for PG admissions. Details are given in Annexure-IV Responsibility: Marketing Team, School Deans		
	Action Taken: For Chemical Engg, 1) Dr Sandeep Shewale (Dean, SChE) guided 12th STD students and done awareness about chemical engg and best practices at MITAoE in LOKMAT Career Mantra Expo at AutoCluster Exhibition Centre at PCET, Pimpri Chinchwad University, Pune 2) Dr Sandeep Shewale (Dean, SChE) delivered a webinar on "Opportunities in Chemical Engineering in IT industries to 12th Science students in online mode dated on 25th May 2023. For Computer Engineering Prof.Rudragouda Patil delivered a webinar session on "Opportunities for Computer Engineering Students" for 12th science students on 7th June 2023. For Civil Engineering Dr. Shyam Shukla (Dean, Civil) conducted an online awareness session (Webinar) on "Opportunities for Civil Engineers in IT" for 12th Std. students on 14/06/2023.		
06	To discuss about R&D activities (Quarter-2 of 2022-23) Discussion and Resolution: Dean QA presented status of the Paper Publications: 1. International Journals:25 2. National Journals:00		



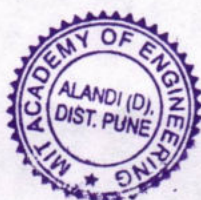
	<p>Conference Presentations:</p> <ol style="list-style-type: none"> 1. International Conferences: 13 2. National Conferences: 00 <p>Patents Published: 7</p> <p>Research & Consultancy</p> <ol style="list-style-type: none"> 1. Applied to KAPILA Scheme (Innovation Cell of Govt of India). 2. Arranged IP Awareness Session by Saurabh Kumar, Patent Examiner, under NIPAM Scheme. 3. Creating the faculty database for industry research/ consultancy work. <p>Responsibility: Dean R&D, School Deans</p>
07	<p>Action Taken:</p> <ol style="list-style-type: none"> 1. Developing a network of industries for industry consultancy. (Presently connected with Kiraloskar Pneumatics, Lear Corporation, Panache Greentech, Maxxion, Pragati Press Tools) 2. Completed industry consultancy of Repos Energy for review of their product DATUM. 3. Created faculty database for industry research and consultancy <p>For Chemical Engg School, School of chemical engg has conducted an online session on "Research paper writing" By Dr Parag Gogate, Professor, ICT, Mumbai for Faculty and students dated on 6th April 2023.</p> <p>To discuss about T&P activities (Quarter-2 of 2022-23)</p> <p>Discussion and Resolution: Deputy Director CR briefed about the T&P activities and achievements</p> <p>Total no. of students placed:</p> <p>366 / 676 (with single offer)</p> <p>437 / 676 (with multiple offer)</p> <p>•Percentage of Students placed:</p> <p>54.14% (with single offer)</p> <p>64.49% (with multiple offer)</p> <p>•Highest Salary Offered:</p> <p>CTC 25 LPA</p> <p>•Average Salary offered:</p> <p>6.97 LPA (with single offer)</p> <p>6.57 LPA (with multiple offer)</p> <p>•Total Companies in Database: 87</p> <p>Details are given in Annexure-V</p> <p>Responsibility: Dy. Director CR</p> <p>Action Taken:</p> <ol style="list-style-type: none"> 1. All SIP Opportunitues are taken on PoD to avoid double offers. 2. New companies are being approached for Internship &Placements. 3. Continuous Industry visits planned for Industry Interaction. 4 Regular recruiters are being approached for SIP and YL interships



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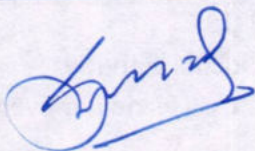



08	<p>To discuss about Alumni activities (Quarter-2 of 2022-23) Discussion and Resolution: Dean QA presented status the Alumni activities.</p> <ul style="list-style-type: none"> ❖ Guest lecture ❖ Mock NBA Audit ❖ NBA Audit ❖ F.Y. Induction program ❖ Talk on project to product concept ❖ Invited as an external examiner ❖ School level Alumni meet ❖ Paper publication ❖ BOS meeting <p>Responsibility: Alumni Coordinator</p> <p>Action Taken:</p> <ol style="list-style-type: none"> 1. Alumni were requested through a portal about the engagement activities i.e Talks, workshop, meeting for academics and research activities. 2. Importance of NBA was explained to alumni and their participation for the same.
09	<p>To discuss about Students activities (Quarter-2 of 2022-23) Discussion and Resolution: Dean QA briefed about the Students activities. Total 265 students participated in various Cultural, Sports, Co-Curricular events. Details are presented in Enhanced Students Experience.</p> <p>Responsibility: Dean Student affairs</p> <p>Action Taken:</p> <ol style="list-style-type: none"> 1. Conducted meetings with Firodiay Team, Football Team and AERO Club and discuss with them about importance of event planning in advance and how it helps in improving team's performance. 2. Also discussed about setting up alumni support system for the club which will help them in all sense and establishing outside world relations.
10	<p>To discuss about accreditation status (NAAC and NBA) Discussion and Resolution: Dean QA briefed about the accreditation status</p> <ol style="list-style-type: none"> 1) Following Four Programs are Accredited by NBA for 3 years i.e. 2022 – 2025 in tier-I mode <ol style="list-style-type: none"> a) Chemical Engineering, b) Computer Engineering c) Electronics & Telecommunication Engineering d) Mechanical Engineering 2) The pre-qualifier of Civil Engineering will be submitted on 14th Feb 2023 3) NAAC-IIQA will be submitted on 16th Feb 2023 <p>Responsibility: Dean QA, NBA Coordinator, School Deans</p> <p>Action Taken: For Chemical Engg, School of Chemical Engg has been Accredited by NBA for 3 years i.e. 2022 – 2025. The internal P file verification has been done in 1st week of May by QA coordinator for the AY -2022-2023 and NBA tab data has been updated for the AY 2022-2023.</p>



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	NAAC: IIQA got approved on 17th March 2023. SSR submitted on 29th April 2023. DVV clarifications submitted on 25th May 2023. For School of Civil Engineering the NBA SAR submitted on 14th April 2023.
11	To discuss about status of strategic plan (Quarter-2 of 2022-23) Discussion and Resolution: Dean QA presented status of Quarter-II of strategic plan for 2022-23. Details are given in Annexure-VI. Responsibility: Director, Dy. Director-AR & CR, Registrar Action Taken: Targets and achievements are reviewed and necessary actions are taken to compile the targets.
12	Any other point with permission of Chair. IQAC – Coordinator & Dean QA 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
 IQAC – Coordinator	 IQAC - Chairman

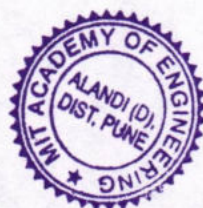


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Annexure-I, II:
Curriculum Framework

SEMESTER: I (PART I)													
INDUCTION PROGRAM													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MS E	ESE	CA	D/P			
NSC1	AS105	Calculus and Differential Equations	3	-	1	30	20	50	30	20	150	4	
NSC2	AS106	Engineering Physics	3	2	-	30	20	50	30	20	150	4	
ESC1	ET101	Electrical, Electronics and Telecommunication	3	2	-	30	20	50	30	20	150	4	
ESC2	ME107	Engineering Graphics	1	4	-	15	20	40	30	20	125	3	
ESC3	CS103	Foundations of Computing	2	4	-	15	20	40	50	25	150	4	
HSS1	HP107/(10/12/14)	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
HSS3	HP109	Universal Human Values	2	-	-	-	-	-	-	-	Audit		
TOTAL			14	14	1						775	20	



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SEMESTER: II (PART I)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TO TA L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC3	AS107	Statistics and Integral Calculus	3	-	1	30	20	50	30	20	150	4	
NSC4	CH101	Science of Nature	3	2	-	30	20	50	30	20	150	4	
ESC4	CV103	Applied Mechanics	2	2	-	15	20	40	30	20	125	3	
ESC5	ME106	Design Thinking	1	2	-	-	-	-	40	35	75	2	
ESC6	CS104	Essentials of Data Science	2	4	-	15	20	40	50	25	150	4	
HSS2	HP108/(11/ 13/15)	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
ESC7	ET104	Emerging Technologies	1	2	-	-	-	-	25	50	75	2	
HSS4	HP106	Indian Constitution	1	-	-	-	-	-	-	-	Audit		
TOTAL			13	14	1							775	20

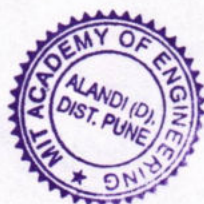


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SEMESTER: III					
COURSE		TEACHING SCHEME			CREDIT
TYPE	NAME	Hour/Week			
		L	P	T	
NSC5	Applied Mathematics	3	2	-	4
NSC6	Discipline Core	3	-	-	3
DC1	Discipline Core	3	2	-	4
DC2	Discipline Core	3	2	-	4
SDE1	Object Oriented Programming using C++	2	4	-	4
SDE2	Prototyping	0	4	-	2
PI1	Minor Project	-	2	-	1
ESC8	Environmental Sciences	1	-	-	Audit
TOTAL		15	16	-	22

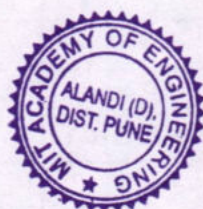
SEMESTER: IV					
COURSE		TEACHING SCHEME			CREDI T
TYPE	NAME	Hour/Week			
		L	P	T	
ESC9	Engg. Informatics/Material Engineering	3	2	-	4
DC3	Discipline Core (DataBase and Analytics)	2	4	-	4
DC4	Discipline Core	3	2	-	4
DC5	Discipline Core	3	2	-	4
SDE3	Professional Skill	0	4	-	2
PI2	Minor Project	-	2	-	1
HSS5	Universal Human Values I	3	-	-	3
HSS6	Liberal Learning	1	-	-	Audit
TOTAL		15	14	-	22



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Annexure-III.**Academic Monitoring Committee**

Sr. No.	School	Committee Members	Points to be consider for academic monitoring
1	Chemical	Dr. S. P. Shewale, Dr. A. D. Gundecha and Dr. M. D. Goudar	Theory and Laboratory sessions, Question papers (MSE, ESE), IA Activities, Academic Records in Hard/soft copy, LMS, Feedback
2	Civil	Dr. S. Shukla, Dr. A. D. Gundecha and Dr. M. D. Goudar	
3	Computer	Dr. R. M. Goudar, Dr. S. V. Taralkar and Prof. A. S. Bhalerao	
4	Electronics & Telecom.	Dr. D. Sakhare and Prof. S. Bhagat	
5	Mechanical	Dr. A. M. Malge and Dr. S. A. Jain	
6	Design	Respective HoD and Dr. P.R. Hatte	
7	FY B Tech	Dr. V. Wangikar, Dr. S. S. Barve, Dr. U. Y. Verma	



Annexure-IV.**Admission for year 2022-23 (UG)**

Branch	Sanctioned Intake	Total students admitted	Vacancy	% Admissions
Civil	60	31	29	51.67
Chem	60	45	15	75.00
Computer	180	180	0	100
Electronics	60	60	0	100
E&TC	120	120	0	100
Mechanical	180	147	33	81.67
	660	583	77	88.33

Admission for year 2022-23 (PG)

Branch	Sanctioned Intake	Total students admitted	Vacancy	% Admissions
Computer	18	3	15	16.67
Mechanical	18	1	17	5.55
	36	4	32	11.11



Annexure-V

Details of T&P activities (Quarter-2 of 2022-23)

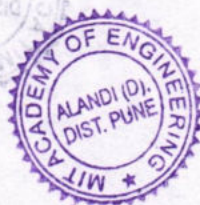
Department SLIP Status	COMP	IT	E&TC	ETX	MECH	CIVIL	CHEM
Final Year Students Strength	179	89	152	28	215	65	67
SLIP Confirmed students	96	37	64	11	90	33	38
SLIP In-Process students	6	4	5	2	4	5	0
Maximum Stipend	110000	130000	33000	30000	20000	15000	20000
Minimum Stipend	1000	1500	5000	10000	5000	5000	5000



Annexure-VI

Status of Strategic Plan-2022-23: Quarter-II

1	Teaching Learning Process	Target	1st Qtr	2nd Qtr	Achieved Total
1.1 Academic Framework					
1.1.1	Curriculum Flexibility (% of Credits)	22	28	35	35
1.1.1	Curriculum Revision (% of Contents)	25	25	25	25
1.2 Industry Engagement					
1.2.1	Expert Talk	100	35	58	58
1.2.1	Skill Courses	25	32	32	32
1.2.3	Laboratory Collaboration	3	0	0	0
1.3 Teaching Learning Centre					
1.3.1	Faculty Development Programs	7	5	6	6
1.3.2	Professional Courses (per faculty)	2	88	101	101
1.3.3	Assessment Reform (% of Credits)	100	5	5	5
1.3.4	Digital Content Creation (No. of Courses)	100	3	3	3
1.3.5	Professional Certificate Courses	3	3	3	3



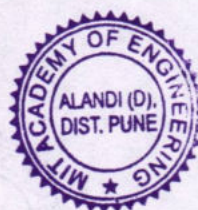
31

Research & Development

Institute	2022-23 (Targets)	Quarter 1	Quarter 2
Seed Money(No. of projects/program - 8)	14	11	11
External Funding (Per program) - Total 8	14 Lakhs	0	0

Research Publications (Nos) - Scopus / SCI Indexed	(Targets)	Quarter 1	Quarter 2
International Journal	25	14	25
National Journal	5	0	0
International / National Conferences	70	11	13
Book Chapters	10	0	0

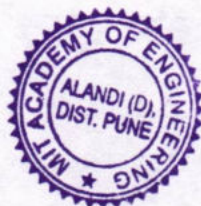
	(Targets)	Quarter 1	Quarter 2
IPR (No. of Patents)	15	0	7 Patents filed, 8 in process
Engineering Consultancy	8	0	0.65
Design Consultancy	4	0	0



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Support and Success

3	Students Support & Success	Indicators	Target (2022-23)	Status (Q1 + Q2)
3.1	Employability- Training programs	Nos.	10	6
3.2	SIP (Industry) - No. of students	Nos.	450	NA
3.3	SIP - No. of industry offers	Nos.	400	NA
3.4	SLIP - No. of students	Nos.	200	370
3.5	SLIP - No. of industry offers	Nos.	80	92
3.6	Placement - No. of students	Nos.	480	330
3.7	Placement - No. industry offers	Nos.	330	86
3.8	Placement - Average Salary (in Lakhs)	Nos.	5.4	6.56 LPA



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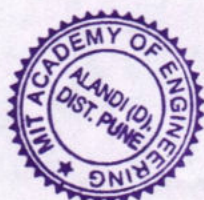


Enhanced Students Experience

	Enhanced Student Experience	Target	1st Qtr	2nd Qtr	Achieved Total
Competitions and Events Participation					
1	Number of students participated in Technical events/ competitions(in-house and outside)	350	75	50	125
2	Number of Technical competitions	35	3	5	8
3	Total number of Technical Achievements	40	3	3	6
4	Total number of students participation in various student events (Technical and non technical, sports)	1500	165	100	265
5	Total number of students Achievements	80	14	20	34
6	Total Number of events/competitions to be participated	100	15	17	32

Enhanced Alumni Engagement

Sl. No.	Objective	Indicator	Target (2022-23)	Status (Q1 + Q2)
a	Alumni Activities	Nos.	80	32
b	Alumni meet (school/institute level)	Nos.	8	3
c	Alumni meet - Student involvement	Nos.	800	100
d	Alumni - Sponsorship (Nos.)	Nos.	7	0
e	Alumni - Internship / placement offers	Nos.	80	26
f	Distinguished Alumni / Recognition Appreciation	Nos.	7 \ 40	6\6



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Employees as on 7.2.2023

Teaching Staff - 163

Non-Teaching Staff – 215

Welfare -

Employees Provident Fund (EPF)

Gratuity for Non-teaching Staff

Partial Reimbursement for medical insurance of employee

Accidental and health insurance for driver and electrician

Compassionate appointment of a family member consequent to death of an employee.

Reimbursement for membership fee of professional bodies like IEEE/IET

Promotion policy, AGP Revision, CAS Policy

Study/Lien leave for Ph.D. and Postdoc

Increment on award of Ph.D.

Professional Development leaves for attending FDPs / Conferences/Workshops/etc...

Financial support for attending FDP/ conferences/workshop/seminar

Seed Money for research projects

Financial support for Patents & publications in SCI/SCIE indexed journals.

Research and Development Incentive scheme

MOU with YOUR DOST which provides 24*7 online counselling platform for emotional wellbeing of employee

Free uniforms provided to drivers and peons

Loan facility to the teaching and non-teaching staff through MIT Employee Society, Pune



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Entrepreneurship & Innovation

Sl. No.	Objective	Indicator	Target (2022-23)	Status (Q1 + Q2)
8.1	IE Awareness and Promotional activities	Nos.	12	5
8.2	Networking	Nos.	6	5
8.3	Upskilling and Outreach program	Nos.	4	3
8.4	Alumni engagement activities	Nos.	4	4
8.5	Project to Product (P2P) Transformation Program	Nos.	6	3
8.6	No of student startup	Nos.	15	11
8.7	Infrastructure and facilities - Incubatee Seating space	Nos.	15	12
8.8	Patents at MITAOE EDF	Nos.	6	2
8.9	Crazy quilt with mentor, investor and channel partners	Nos.	30	11



COMMON CURRICULUM FRAMEWORK
(Revision 2022)



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MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU	COURSE STRUCTURE (REVISION 2022)		
	SCHOOL OF HUMANITIES AND ENGINEERING SCIENCES	W.E.F	: 2022-2023
	FIRST YEAR BACHELOR OF TECHNOLOGY	RELEASE DATE	: 01/11/2022
		REVISION NO.	: 2.0

SEMESTER: I (PART I)													
INDUCTION PROGRAM													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC1	2201101	Calculus and Differential Equations	3	-	1	30	20	50	30	20	150	4	
NSC2	2201102	Engineering Physics	3	2	-	30	20	50	30	20	150	4	
ESC1	2207101	Electrical, Electronics and Telecommunication	3	2	-	30	20	50	30	20	150	4	
ESC2	2209101	Engineering Graphics	2	2	-	15	20	40	30	20	125	3	
ESC3	2204101	Foundations of Computing	2	4	-	15	20	40	50	25	150	4	
HSS1	2201111/2/3/4	English for Communication /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
HSS3	2201119	Universal Human Values	2	-	-	-	-	-	-	-	Audit		
TOTAL			15	12	1						775	20	

SEMESTER: II (PART I)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						TOTAL	CREDIT
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT				
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC3	2201103	Statistics and Integral Calculus	3	-	1	30	20	50	30	20	150	4	
NSC4	2201104	Science of Nature	3	2	-	30	20	50	30	20	150	4	
ESC4	2203101	Applied Mechanics	2	2	-	15	20	40	30	20	125	3	
ESC5	2209102	Design Thinking	1	2	-	40	-	-	-	35	75	2	
ESC6	2204102	Essentials of Data Science	2	4	-	15	20	40	50	25	150	4	
HSS2	2201115/ 6/7/8	Functional English /(German/Japanese/French)	-	2	-	-	-	-	50	-	50	1	
SDC1	2207131	Emerging Technologies	1	2	-	25	-	-	-	50	75	2	
HSS4	2201120	Indian Constitution	1	-	-	-	-	-	-	-	Audit		
TOTAL			13	14	1						775	20	

MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU		COURSE STRUCTURE (REVISION 2022)		
SCHOOL OF HUMANITIES AND ENGINEERING SCIENCES		W.E.F	:	2022-2023
FIRST YEAR BACHELOR OF TECHNOLOGY		RELEASE DATE	:	01/11/2022
		REVISION NO.	:	2.0

SEMESTER: I (PART II)													
INDUCTION PROGRAM													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC1	2201101	Calculus and Differential Equations	3	-	1	30	20	50	30	20	150	4	
NSC4	2201104	Science of Nature	3	2	-	30	20	50	30	20	150	4	
ESC4	2203101	Applied Mechanics	2	2	-	15	20	40	30	20	125	3	
ESC5	2203101	Design Thinking	1	2	-	40	-	-	-	35	75	2	
ESC3	2204101	Foundations of Computing	2	4	-	15	20	40	50	25	150	4	
HSS1	2201111/2 /3/4	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
HSS3	2201119	Universal Human Values-II	2	-	-	-	-	-	-	-	Audit		
TOTAL			13	12	1	EXAMINATION SCHEME AND MARKS					700	18	

SEMESTER: II (PART II)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
PE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC3	2201103	Statistics and Integral Calculus	3	-	1	30	20	50	30	20	150	4	
NSC2	2201102	Engineering Physics	3	2	-	30	20	50	30	20	150	4	
ESC1	2207101	Electrical, Electronics and Telecommunication	3	2	-	30	20	50	30	20	150	4	
ESC2	2209101	Engineering Graphics	2	2	-	15	20	40	30	20	125	3	
ESC6	2204102	Essentials of Data Science	2	4	-	15	20	40	50	25	150	4	
SDC1	2207131	Emerging Technologies	1	2	-	25	-	-	-	50	75	2	
HSS2	2201115/ 6/7/8	English for Engineers /(German/Japanese/French)	0	2	-	-	-	-	50	-	50	1	
HSS4	2201120	Indian Constitution	1	-	-	-	-	-	-	-	Audit		
TOTAL			13	14	1						850	22	

MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU		COURSE STRUCTURE (REVISION 2022)		
SCHOOL OF _____ ENGINEERING		W.E.F	:	2023-2024
SECOND YEAR BACHELOR OF TECHNOLOGY		RELEASE DATE	:	01/07/2023
		REVISION NO.	:	2.0

SEMESTER: III													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
NSC5	2201201/2/3 14/5/6	Applied Mathematics	3	2	-	30	20	50	20	30	150	4	
NSC6	22XX201	Discipline Core Math/Science	3	2	-	30	20	50	20	30	150	4	
DC01	22XX231	Discipline Core 1	3	2	-	30	20	50	20	30	150	4	
DC02	22XX232	Discipline Core 2	3	2	-	30	20	50	20	30	150	4	
SDC2	2204221	Problem Solving Using OOP (C++)	-	4	-	-	-	-	35	40	75	2	
	2204222	Problem Solving Using OOP (Java)											
	22XX225/6	Discipline Skill Dev. Course											
SDC3	2209221	Prototyping	-	4	-	-	-	-	35	40	75	2	
PRJ1	22XX251	Minor Project Design	-	2	-	-	-	-	20	30	50	1	
HSS5	2203211	Environmental Science	-	2	-	-	-	-	20	30	50	1	
TOTAL			12	20							850	22	

SEMESTER: IV												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L	
			L	P	T	IA	MSE	ESE	CA	D/ P		
ESC7	2207202	Engineering Informatics	3	2	-	30	20	50	20	30	150	4
	22XX202	Material Engineering										
DC03	22XX233	Discipline Core 3	3	2	-	30	20	50	20	30	150	4
DC04	22XX234	Discipline Core 4	3	2	-	30	20	50	20	30	150	4
DC05	22XX235	Discipline Core 5	3	2	-	30	20	50	20	30	150	4
SDC4	2204223	Data Structures	-	4	-	-	-	-	35	40	75	2
	2204224	Web Technology										
	22XX227/8	Discipline Skill Develop. Course										
PRJ2	22XX252	Minor Project Implementation	-	2	-	-	-	-	20	30	50	1
HSS6	2201211	Universal Human Values-II	-	-	-	30	20	50	-	-	100	3
HSS7	2201212	Liberal Learning	-	-	-	-	-	-	-	-	Audit	

SI01	22XX256	Internship (Life And Soft Skills)	-	-	-	-	-	-	-	-	Audit	
TOTAL			16	14	-						825	22

MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU		COURSE STRUCTURE (REVISION 2022)										
SCHOOL OF _____ ENGINEERING		W.E.F		:	2024-2025							
THIRD YEAR BACHELOR OF TECHNOLOGY		RELEASE DATE		:	01/07/2024							
		REVISION NO.		:	2.0							

SEMESTER: V													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
DC06	22XX331	Discipline Core 6	3	2	-	30	20	50	20	30	150		4
DC07	22XX332	Discipline Core 7	3	2	-	30	20	50	20	30	150	4	
DC08	22XX333	Discipline Core 8	3	2	-	30	20	50	20	30	150	4	
EAS1	22XX361/2 /3/4	Emerging Area Specialization Course 1	3	2	-	30	20	50	20	30	150	4	
SDC5	22XX321/2	Discipline Skill Develop. Course	-	4	-	-	-	-	35	40	75	2	
		Discipline Skill Develop. Course											
PRJ3	22XX351	Major Project - I	-	4	-	-	-	-	35	40	75	2	
HSS9	2201312	Entrepreneurship	-	4	-	-	-	-	35	40	75	2	
HSS8	22XX311	Indian Knowledge System	1	-	-	-	-	-	-	-	Audit		
TOTAL			13	20		THEORY			PRACT		825	22	

SEMESTER:VI													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/ P			
DC09	22XX334	Discipline Core 9	3	2	-	30	20	50	20	30	150	4	
DC10	22XX335	Discipline Core 10	3	2	-	30	20	50	20	30	150	4	
DC11	22XX336	Discipline Core 11	3	2	-	30	20	50	20	30	150	4	
EAS2	22XX365/ 6/7/8	Emerging Area Specialization Course 2	3	2	-	30	20	50	20	30	150	4	
SDC6	22XX323/ 4	Discipline Skill Develop. Course	-	4	-	-	-	-	35	40	75	2	
		Discipline Skill Develop. Course											
PRJ4	22XX352	Major Project - II	-	4	-	-	-	-	35	40	75	2	
HSS10	2201313	Employability and Career Development	-	4	-	-	-	-	35	40	75	2	

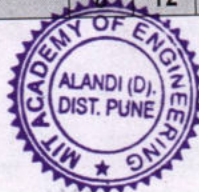
SI02	22XX356	Internship (Technical and Soft Skill)	-	-	-	-	-	-	-	75	75	2
TOTAL			12	20	-						900	24

MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU		COURSE STRUCTURE (REVISION 2022)		
SCHOOL OF _____ ENGINEERING		W.E.F	:	2025-2026
FINAL YEAR BACHELOR OF TECHNOLOGY		RELEASE DATE	:	01/07/2025
		REVISION NO.	:	2.0

SEMESTER: VII												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS					C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT			T O T A L
			L	P	T	IA	MSE	ESE	CA	D/P		
DC12	22XX431	Discipline Core 12	3	2	-	30	20	50	-	-	100	3
DE01	22XX476/ 7/8/9	Discipline Elective 1	3	-	-	30	20	50	-	-	100	3
		Discipline Elective 2										
SDC7	22XX421/ 2	Discipline Skill Develop. Course	-	4	-	-	-	-	35	40	75	2
		Discipline Skill Develop. Course										
EAS3	22XX461/ 2/3/4	Emerging Area Specialization Course 3	3	2	-	30	20	50	20	30	150	4
PRJ5	22XX451	Major Project - III	-	8	-	-	-	-	75	75	150	4
TOTAL			9	16	-						575	16

SEMESTER:VIII												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS					CREDIT	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT			TOTAL
			L	P	T	IA	MSE	ESE	CA	D/ P		
DE02	22XX480-99	Discipline Elective 1* (Swayam)	3	-	-	30	20	50	-	-	100	3
		Discipline Elective 2										
OE01	22XX371	Open Elective 1	3	2	-	30	20	50	-	-	100	3
HSS1 1	22XX411	HSS Discipline Course	2	2	-	15	20	40	-	-	75	2
OE02	22XX372 /3/4/5	Professional Certification	-	-	-	-	-	-	-	75	75	2
PRJ6	22XX452	Capstone Portfolio	-	8	-	-	-	-	75	75	150	4
SI03	22XX456	Internship (Technical and Research)	-	-	-	-	-	-	-	150	150	4
TOTAL			8	12	-						650	18

* Swayam Credit Transfer Scheme



Curriculum Structure for Semester Long Internship/Exchange (optional) in Semester VII or Semeter VIII													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						C R E D I T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		T O T A L		
			L	P	T	IA	MSE	ESE	CA	D/P			
SEMESTER: VII (Semester Long Internship/Exchange in Semester VII)													
EAS3	22XX461 I/2/3/4	Emerging Area Specialization Course 3	3	2	-	30	20	50	20	30	150	4	
PRJ5	22XX451	Major Project - III	-	8	-	-	-	-	75	75	150	4	
SI04	22XX457	Semester Long Internship	-	-	-	-	-	-	150	150	300	8	
	22XX458	Outbound Student Mobility											
TOTAL			3	10	-						600	16	
OR													
SEMESTER: VIII (Semester Long Internship/Exchange in Semester VIII)													
OE02	22XX372 I/3/4/5	Professional Certification	-	-	-	-	-	-	-	75	75	2	
PRJ6	22XX452	Capstone Portfolio	-	8	-	-	-	-	75	75	150	4	
SI03	22XX456	Internship (Technical and Research)	-	-	-	-	-	-	-	150	150	4	
SI04	22XX457	Semester Long Internship	-	-	-	-	-	-	150	150	300	8	
	22XX458	Outbound Student Mobility											
TOTAL			0	8	-						675	18	



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Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

**INTERNAL QUALITY
ASSURANCE CELL (IQAC)**

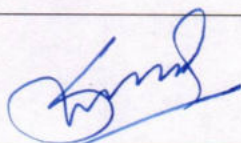
DATE : 15th June 2023

MEETING NO. : IQAC/2022-23/03

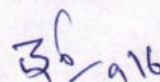
IQAC meeting 3 for academic year 2022-23 is scheduled on Thursday, 15th June 2023 at 11.00 am in blended mode.

The agenda for the same is as follows:

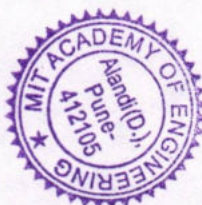
1. To confirm the previous minutes of meetings (IQAC/2022-23/02) and review on action taken report
2. To discuss revision in the curriculum (2022-23 Pattern)
3. To discuss Infrastructures and Central Facilities feedback
4. To discuss academic audits
5. To discuss R&D activities (Quarter-3 of 2022-23)
6. To discuss T&P activities (Quarter-3 of 2022-23)
7. To discuss Alumni activities (Quarter-3 of 2022-23)
8. To discuss Students activities (Quarter-3 of 2022-23)
9. To discuss accreditation status (NAAC and NBA)
10. To discuss ranking (NIRF and OBE)
11. To discuss status of the strategic plan (Quarter-3 of 2022-23)
12. Any other point with permission of the chair



Dr. Suyogkumar V. Taralkar
IQAC – Coordinator, Dean QA



Dr. Mahesh D Goudar
IQAC - Chairman



Alandi (D), Pune - 412 105

ACADEMIC YEAR : 2022-2023

**INTERNAL QUALITY
ASSURANCE CELL**

DATE : 15th June 2023

MEETING NO. : IQAC/2022-23/03

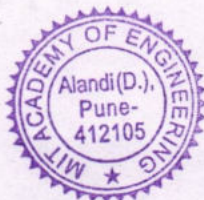
The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2022-23/02) and review on action taken report
2. To discuss revision in the curriculum (2022-23 Pattern)
3. To discuss Infrastructures and Central Facilities feedback
4. To discuss academic audits
5. To discuss R&D activities (Quarter-3 of 2022-23)
6. To discuss T&P activities (Quarter-3 of 2022-23)
7. To discuss Alumni activities (Quarter-3 of 2022-23)
8. To discuss Students activities (Quarter-3 of 2022-23)
9. To discuss accreditation status (NAAC and NBA)
10. To discuss ranking (NIRF and OBE)
11. To discuss status of the strategic plan (Quarter-3 of 2022-23)
12. Any other point with permission of the chair

The third meeting of IQAC for academic year 2023 was held 15th June 2023, at 11.00 am in blended mode.

The following members were present for the meeting,

1. Dr. Mahesh Goudar (Online)
2. Prof.(Dr.) Sunita S. Barve
3. Prof. Sunilkumar M. Bhagat



4. Prof. Avinash Bhalerao
5. Prof.(Dr.) Abhijeet Malge
6. Dr. Vaishali Wangikar
7. Dr. Arika Kotha
8. Dr. Shyam Shukla
9. Dr. Rajeshwari Goudar
10. Prof.(Dr.) Dipti Sakhare
11. Dr. Sandeep P Shewale
12. Prof.(Dr.) Prafulla Hatte
13. Mrs. Vandana Khandelwal
14. Mr. Pravin Pawar (Online)
15. Mr. Girish Bora (Online)
16. Dr. Suyogkumar Taralkar

Other Invitees

17. Dr. Pramod Kothmire
18. Mr. S. A. Khandekar
19. Mrs. Saylee Bidwai
20. Mr. Milind Asmar
21. Mr. Dilip Panchal

The leave of absence was granted to following members

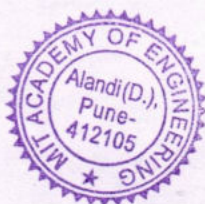
22. Prof.(Dr.) Anant Chakradeo
23. Dr. B. B. Waphare
24. Mr. Yash Tajane
25. Mr. Saurabh Saha

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

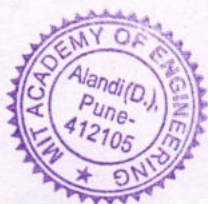
01

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.

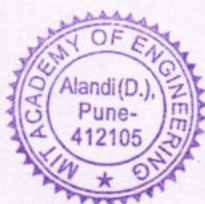
The previous minutes of meeting (Meeting-2, 2022-23, February 10, 2023) and review on action taken report was discussed and confirmed by all members of IQAC. Action taken report on suggestions given in previous meeting:



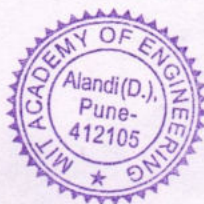
	<table><tr><th>Sr. No.</th><th>Suggestions</th><th>Action Taken</th></tr><tr><td>1</td><td>Stakeholders feedback (curriculum/facilities)</td><td>Feedback collected, analyzed and action taken report prepared.</td></tr><tr><td>2</td><td>Academic Audits and Question Paper Audits</td><td>Academic Audits of schools conducted through external experts. Question Paper Audit done at school level. Institute level question paper audit is scheduled in month of July 2023.</td></tr></table>	Sr. No.	Suggestions	Action Taken	1	Stakeholders feedback (curriculum/facilities)	Feedback collected, analyzed and action taken report prepared.	2	Academic Audits and Question Paper Audits	Academic Audits of schools conducted through external experts. Question Paper Audit done at school level. Institute level question paper audit is scheduled in month of July 2023.
Sr. No.	Suggestions	Action Taken								
1	Stakeholders feedback (curriculum/facilities)	Feedback collected, analyzed and action taken report prepared.								
2	Academic Audits and Question Paper Audits	Academic Audits of schools conducted through external experts. Question Paper Audit done at school level. Institute level question paper audit is scheduled in month of July 2023.								
02	<p>To discuss revision in the curriculum (2022-23 Pattern)</p> <p>Discussion and Resolution: Deputy Director Academics & Research presented the revision in curriculum structure (2022) and also highlighted the changes as compared with previous version of curriculum as compared with AICTE model curriculum. Hon'ble member Mr. Girish Bora mention about the importance of generative AI and design and Chat GPT. Members also appreciated the structure and skill courses introduced in curriculum.</p> <p>Details are given in Annexure – I</p> <p>Responsibility: Deputy Director Academics, All School Deans</p>									
03	<p>To discuss Infrastructures and Central Facilities feedback</p> <p>Discussion and Resolution: Dean QA presented the students feedback, analysis and action taken report on infrastructures and central facilities. Members were asked about the feedback on transport facilities by students. It is discussed that; institute not provides transport facilities to students. Most of the students staying nearby area and students staying outside Alandi are using public transport or their own way of transport.</p> <p>Details of facility feedback are given in Annexure – II</p> <p>Responsibility: Registrar</p>									



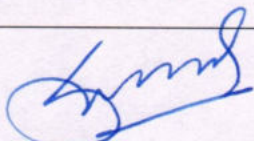
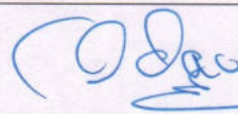
04	<p>To discuss academic audits</p> <p>Discussion and Resolution: Dean QA briefed about the internal and external academic audits. Internal academic audit is conducted twice in year (after completion of each term) by internal expert members. External Academic Audit is conducted once in year by external expert members (industry, academia and research).</p> <p>All school Dean presented academic audit report of their school for academic year 2022-23.</p> <p>Details are given in Annexure-III</p> <p>Responsibility: Dy. Director AR, Dean QA, School Deans</p>															
05	<p>To discuss R&D activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean R&D presented the R&D activities like Paper Publications, Conference Presentations, Patents Filed etc. Following are the details of R&D activities.</p> <p>Paper Publications:</p> <table><tr><td>1. International Journals</td><td>:</td><td>66</td></tr><tr><td>2. National Journals</td><td>:</td><td>01</td></tr></table> <p>Conference Presentations:</p> <table><tr><td>1. International Conferences</td><td>:</td><td>46</td></tr><tr><td>2. National Conferences</td><td>:</td><td>00</td></tr></table> <p>Patents Filed : 17</p> <p>Industry Consultancy Completed : Repos Energy India Pvt Ltd</p> <p>Responsibility: Dean R&D, School Deans</p>	1. International Journals	:	66	2. National Journals	:	01	1. International Conferences	:	46	2. National Conferences	:	00			
1. International Journals	:	66														
2. National Journals	:	01														
1. International Conferences	:	46														
2. National Conferences	:	00														
06	<p>To discuss T&P activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the T&P activities and achievements during academic year 2022-23.</p> <table><tr><td>Total no. of students placed</td><td>:</td><td>532</td></tr><tr><td>Percentage of Students placed</td><td>:</td><td>78.69</td></tr><tr><td>Highest Salary Offered</td><td>:</td><td>24.74 LPA</td></tr><tr><td>Average Salary offered</td><td>:</td><td>6.2 LPA</td></tr><tr><td>Total Companies in Database</td><td>:</td><td>127</td></tr></table> <p>Details of SLIP are given in Annexure – IV</p> <p>Responsibility: Dy Director CR</p>	Total no. of students placed	:	532	Percentage of Students placed	:	78.69	Highest Salary Offered	:	24.74 LPA	Average Salary offered	:	6.2 LPA	Total Companies in Database	:	127
Total no. of students placed	:	532														
Percentage of Students placed	:	78.69														
Highest Salary Offered	:	24.74 LPA														
Average Salary offered	:	6.2 LPA														
Total Companies in Database	:	127														

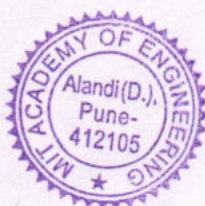


07	<p>To discuss Alumni activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the Alumni activities. And involvement of alumni in various events.</p> <ul style="list-style-type: none"> ❖ Guest lecture ❖ Invited as an external examiner ❖ School level Alumni meet ❖ Project Guidance ❖ BOS meeting <p>Responsibility: Alumni Coordinator</p>
08	<p>To discuss Students activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean SA presented the details of student activities.</p> <ul style="list-style-type: none"> - Activities conducted under G20 - International Women's Day Celebration (100 Participants) - Plastic Free Campus – Clean Up Activity - Event Participation - - Football Tournament at AIT Dighi - April 2023 - 2nd Runner Up - MODEL UNITED NATIONS -D.Y.Patil Ambi - Literary CLub - April 2023. - Activities to be conducted in coming months - G20 - Woman Empowerment Events - G20 - Plastic Free Campus Activities - Mission Life - Bicycle Rally - G20 - Hygiene Awareness Programs. <p>Responsibility: Dean SA</p>
09	<p>To discuss accreditation status (NAAC and NBA)</p> <p>Discussion and Resolution: Dean QA informed all members about the NBA and NAAC accreditation status.</p> <p>Accreditation by NAAC</p> <ul style="list-style-type: none"> • IIQA for cycle-2 is accepted by NAAC on 17th March 2023. • SSR for cycle-2 is submitted on 29th April 2023. • DVV verification is completed and passed pre-qualification stage. <p>Accreditation by NBA</p> <ul style="list-style-type: none"> • UG Programs in Chemical, Computer and Mechanical and Electronics and



	<p>Telecommunication are accredited (2022-23 to 2024-25) by NBA in Tier-I mode</p> <ul style="list-style-type: none"> SAR for UG-Civil Engineering is submitted on 13th April 2023 <p>Responsibility: Dean QA, NBA Coordinator, School Deans</p>
10	<p>To discuss ranking (NIRF and OBE)</p> <p>Discussion and Resolution: Dean QA briefed about the ranking NIRF and OBE</p> <p>OBE Ranking: Application submitted on 25th May 2023.</p> <p>NIRF: Result Declared on 05th June 2023.</p> <p>Responsibility: Dean QA</p>
11	<p>To discuss status of the strategic plan (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA presented status of Quarter--3 of strategic plan for 2022-23</p> <p>Details are given in Annexure- V</p> <p>Responsibility: Director, Dy. Director-AR & CR, Registrar</p>
12	<p>Any other point with permission of the chair</p> <p>IQAC – Coordinator & Dean QA proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.</p>

IQAC Coordinator	IQAC Chairman
 <p>Dr. Suyogkumar V. Taralkar IQAC – Coordinator, Dean QA</p>	 <p>Dr. Mahesh D Goudar IQAC - Chairman</p>

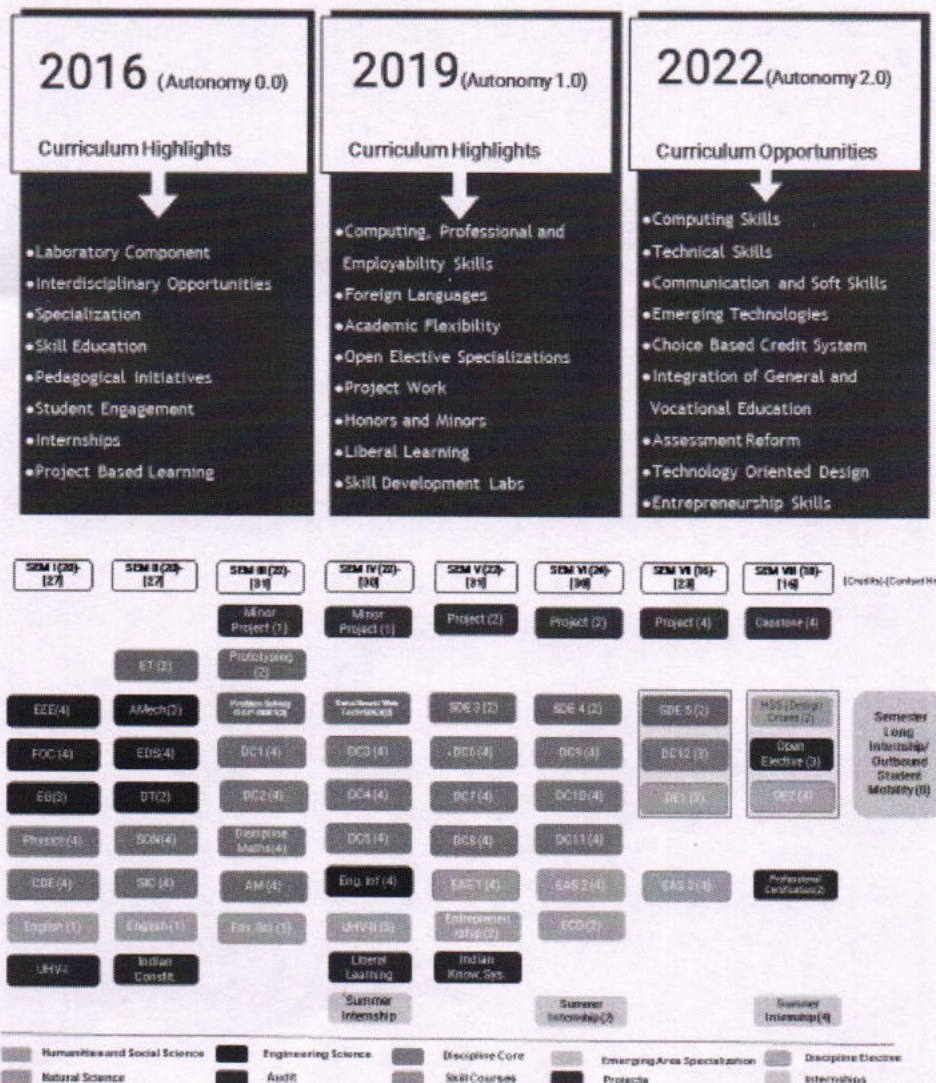


Annexure-I: Curriculum Framework

MIT ACADEMY OF ENGINEERING

Curriculum Structure Highlights and Opportunities

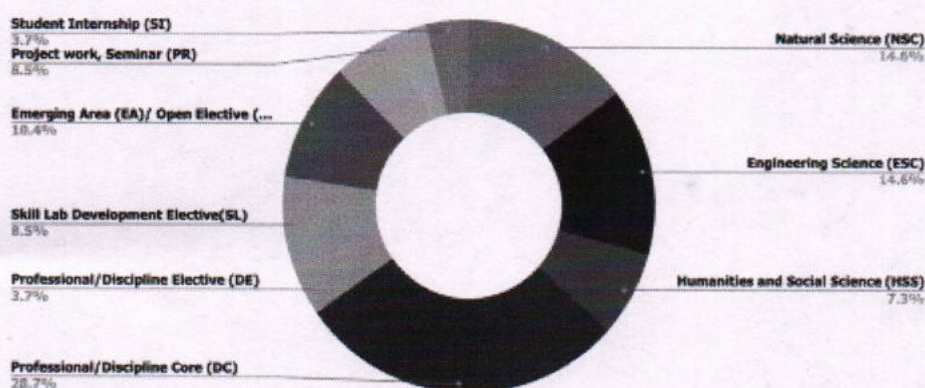
Revision 2022



Credit Distribution Revision 2022

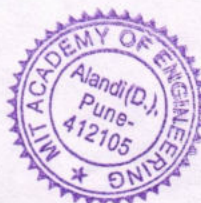
Course Category	No. of Credits	% of Credits
Natural Science (NSC)	24	14.6
Engineering Science (ESC)	24	14.6
Humanities and Social Science (HSS)	12	7.3
Discipline Core (DC)	47	28.7
Discipline Elective (DE)	6	3.7
Open Elective (OE)	5	3.0
Emerging Area Specialization	12	7.3
Skills	14	8.5
Projects	14	8.5
Internship	6/14	3.7
Total	164	100.0

Credits Distribution 2022 (164 Credits)

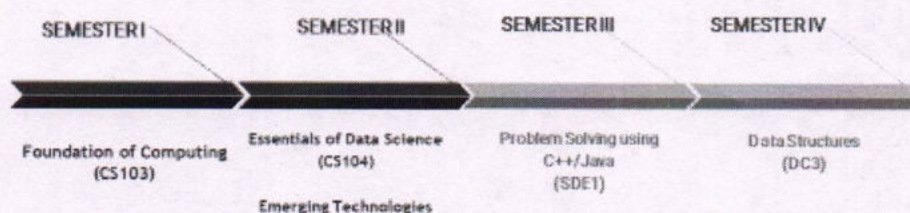


Curriculum Revisions: Revision 2016, 2019, 2022

CATEGORY OF COURSES	AKTE		AUTONOMY 0.0			AUTONOMY 1.0			AUTONOMY 2.0		
	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits
Natural Science (NSC)	26	16	4	18	11	5	20	12.5	6	24	14.6
Engineering Science (ESC)	24	18	4	16	10	9	26	16.25	7	24	14.6
Program Core (PC)	NA	NA	5	19	12	0	0	0	0	0	0
Humanities and Social Science (HSS)	12	8	9	17	10	8	12	7.5	10	12	7.3
Professional/Discipline Core (DC)	47	29	12	48	29	14	54	33.75	12	47	28.7
Professional/Discipline Elective (DE)	23	14	2	6	4	2	6	3.75	2	6	3.7
Skill Lab Development Elective (SL)			5	10	6	6	12	7.5	7	14	8.5
Emerging Area (EA)/ Open Elective (OE)	11	7	4	16	10	3	12	7.5	5	17	10.38
Project work, Seminar (PR)	12	8	4	10	6	7	14	8.75	5	14	8.5
Internship in industry or elsewhere (SI)			1	4	2	3	4	2.5	3/5	6/14	3.7
TOTAL	160	100	49	164	100	51	160	100	58	164	100

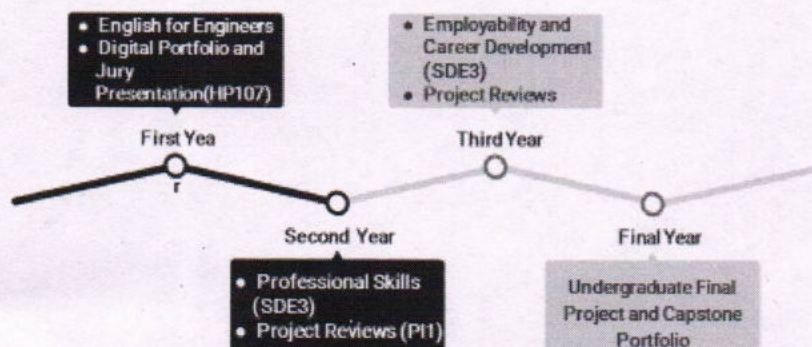


Computing Skills



- Foundation Years: Necessary computing skills in First and Second Year of Engineering
- Basic Programming Practices and Problem Solving
- Mentorship and resources to become a better programmer
- Assessment Reform to check Programming Competency
- Global Competitive Programming platform
- To build a Competitive Programming culture

Communication and Soft Skills



First Year: Practice and Practical Approach

1. English for Engineers is a Year-long Course with two hours per week, focusing on four skills in each semester
2. Continuous Assessment, Third Party Assessment
3. Introduced new topics like: resume and cover letter, persuasive speaking, extempore, netiquettes, etc.

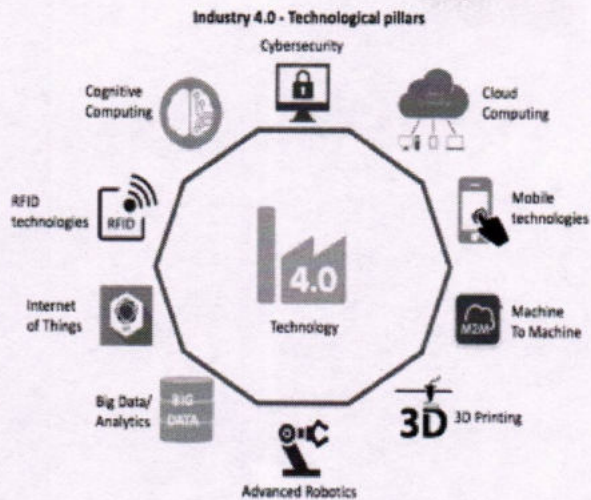
FY B.TECH COURSE: EMERGING TECHNOLOGIES

Session	Topic	Faculty
I	Introduction	Vinayak Kulkarni
II	Sustainable Technology Development	Vinayak Kulkarni
III	Digital Portfolio (Web Technology)	Dr. Vaishali Warghkar
IV	Artificial Intelligence and Expert Systems (AI)	Vinayak Kulkarni
V	Affordable and Clean Energy (AE/CE)	Vaood Pakhale/Karjane Janghore
VI	Augmented Reality (AR)	Shridhar Khondkar/Dr. Vaishali Warghkar
VII	Cloud Computing	Kajana Pawar
VIII	Drone Technology	Rohit Patil /Savita Pawar
IX	Internet of Things (IoT)	Savita Pawar
X	Robotics	Isar Shikolekar / B R Patil
XI	Zero Energy Building (ZEB)	Manish Khondkar, Kharishal Khonde, Karjane Janghore
XII	Electric Vehicles (EVs)	B R Patil

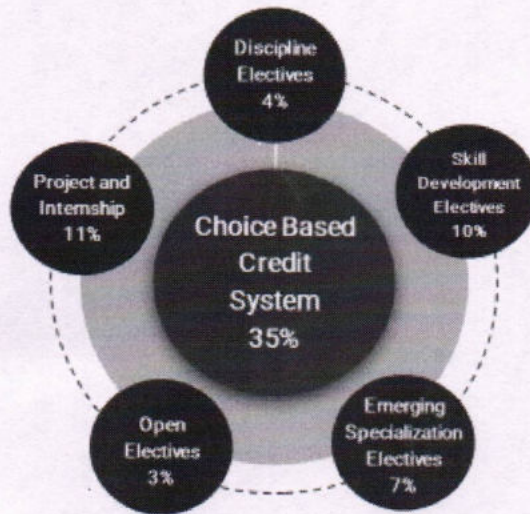


- What is Technology?
- Sustainable Technology
- Case Study: Technology for Zero Hunger Challenge, Life below water, Technology, Life on Land
- Digital Portfolio
- Assessment: Jury

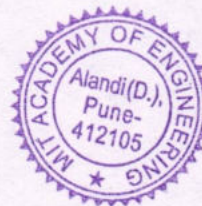




Current Challenges:
 Gap in Technical Skills,
 Data Sensitivity,
 Interoperability,
 Security,
 Handling Data Growth



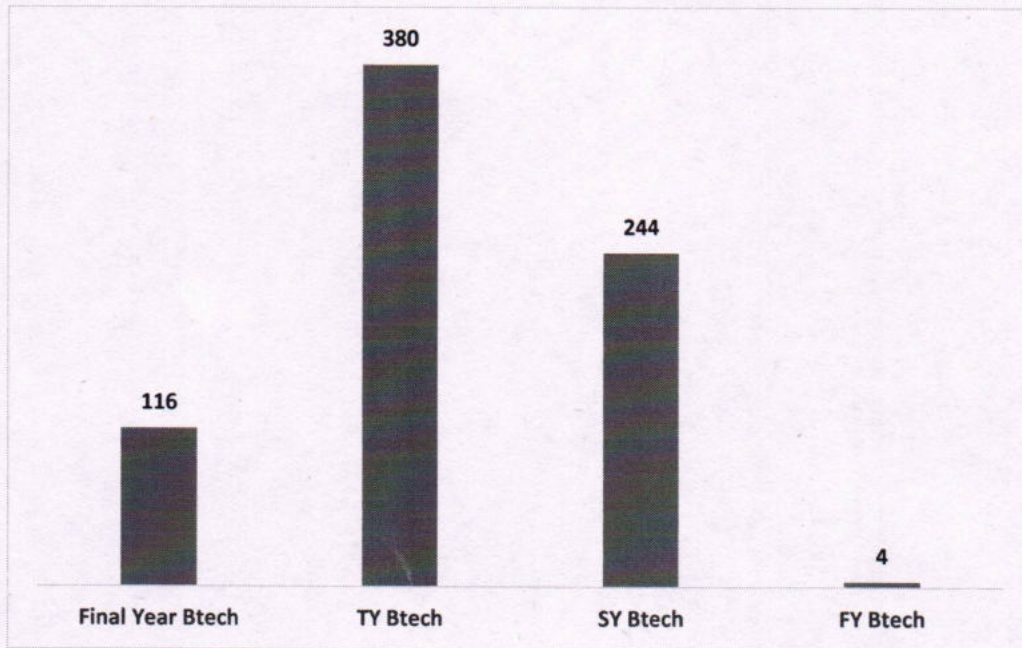
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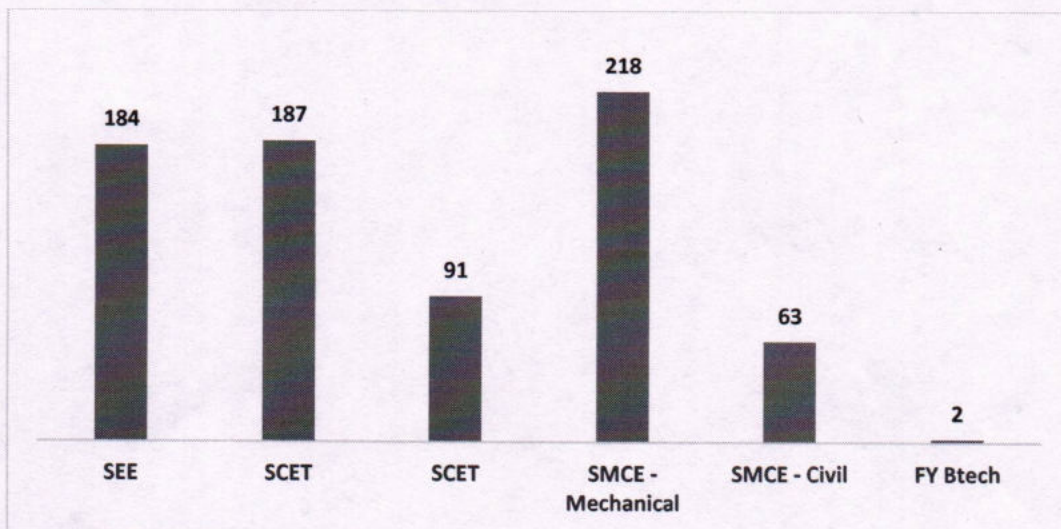
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Annexure-II: Feedback on Infrastructure and central Facilities

Feedback Received From Students

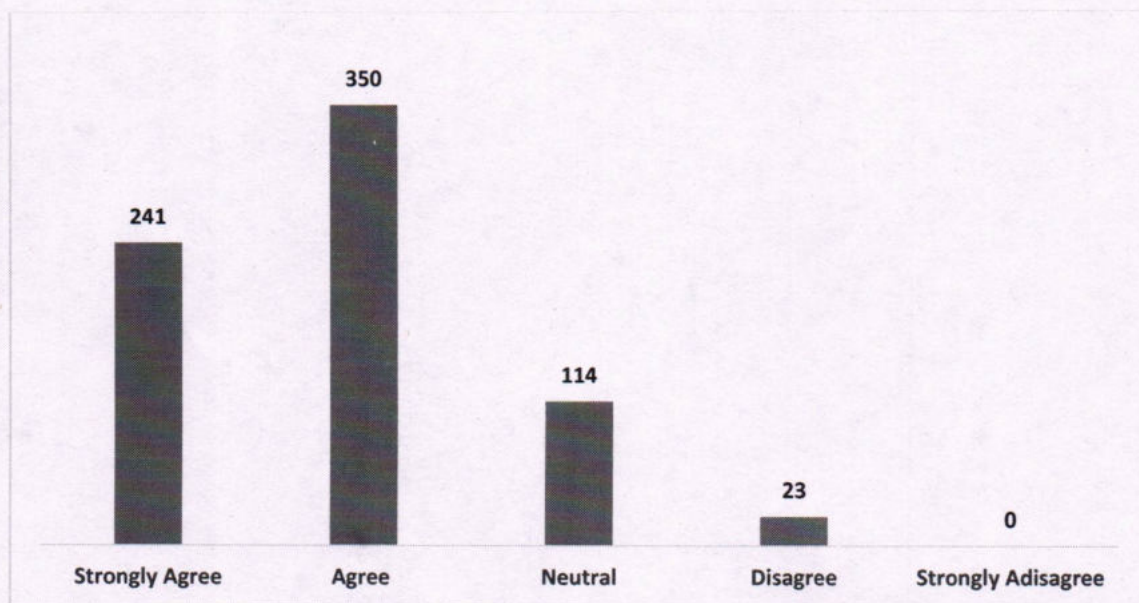


Feedback Received from School Students

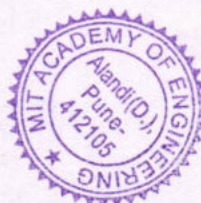
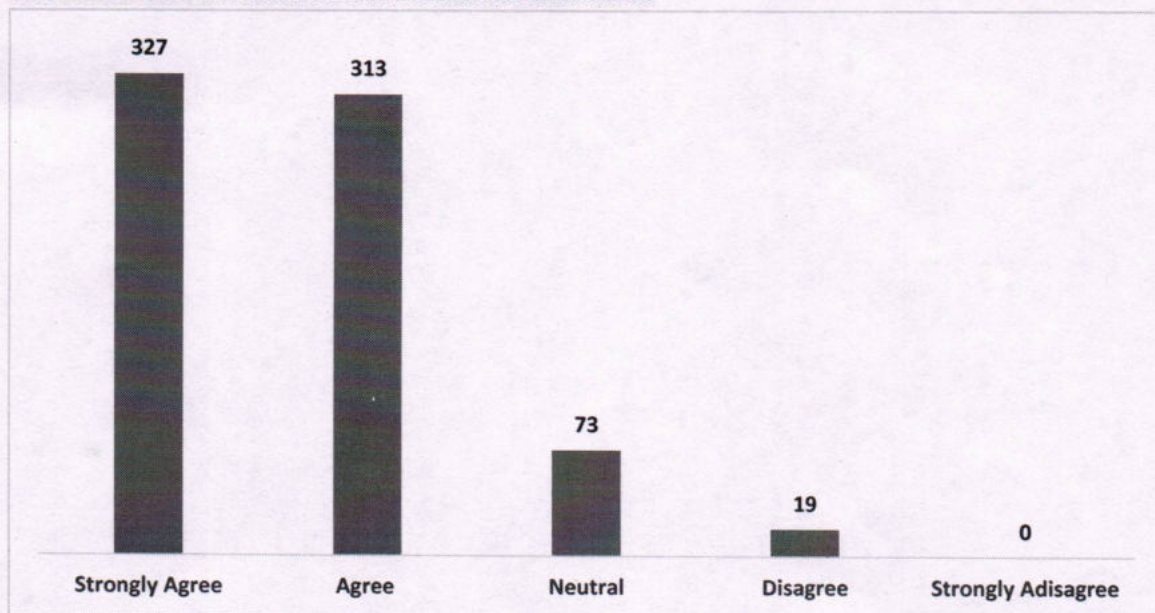


Question-wise Analysis of Feedback on Infrastructures and Central Facilities

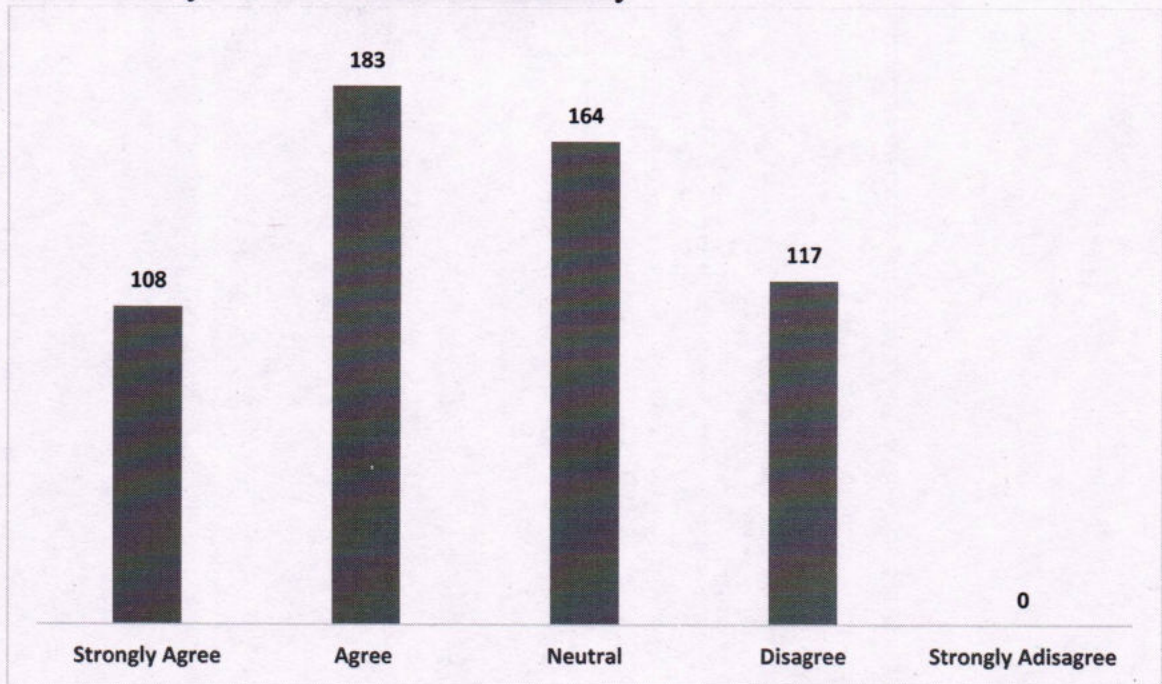
1. Availability of projector in class rooms



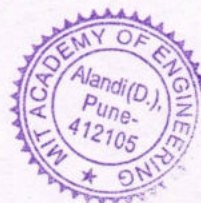
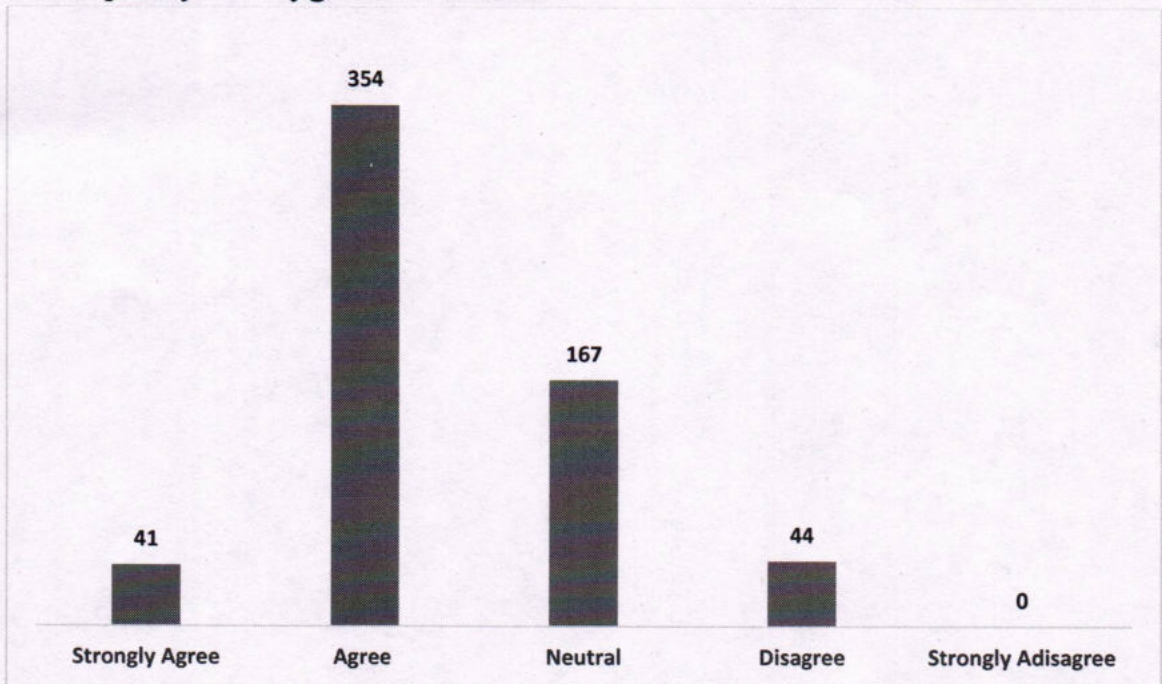
2. Cleanliness in class rooms and laboratories



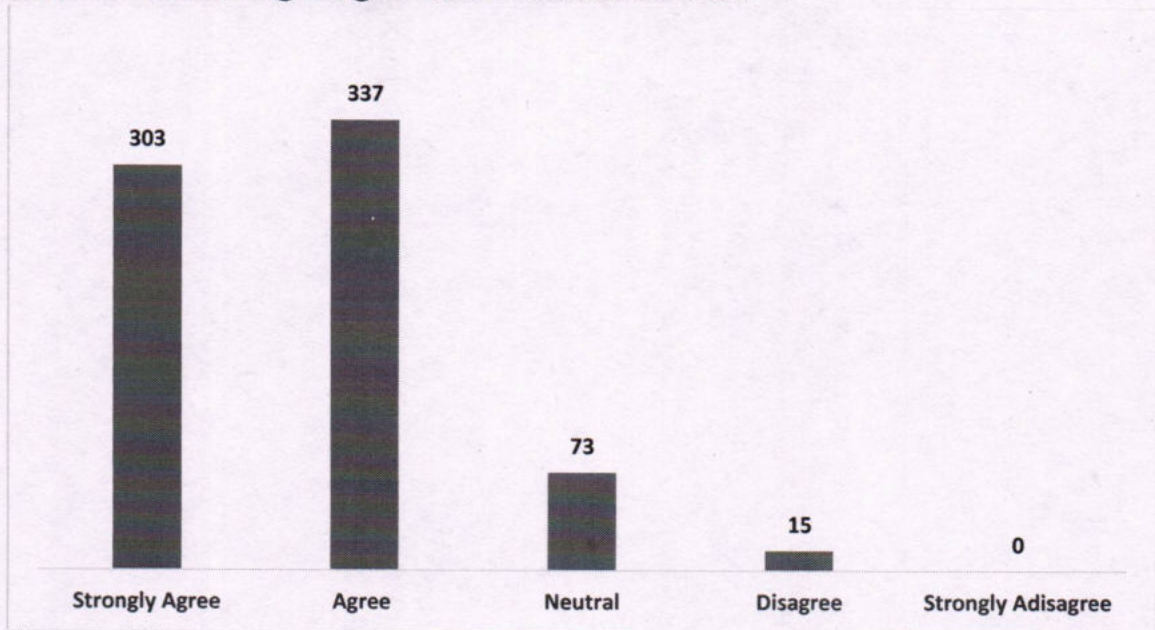
3. Accessibility of WiFi and internet facility



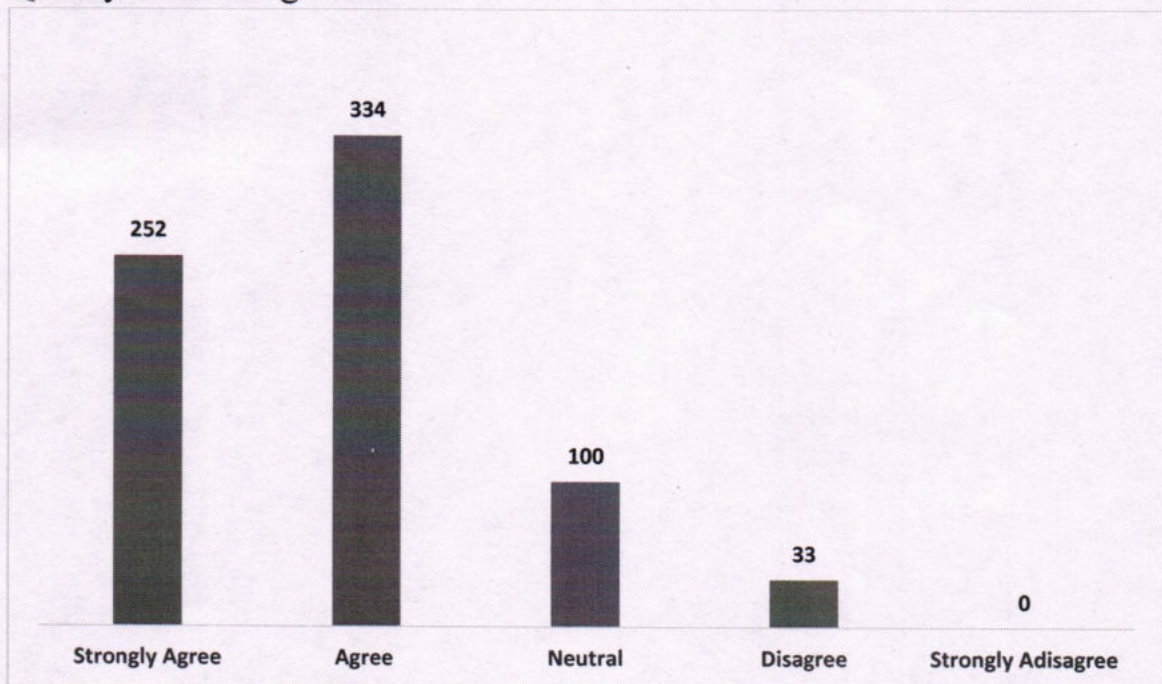
4. Food quality and hygiene in canteen



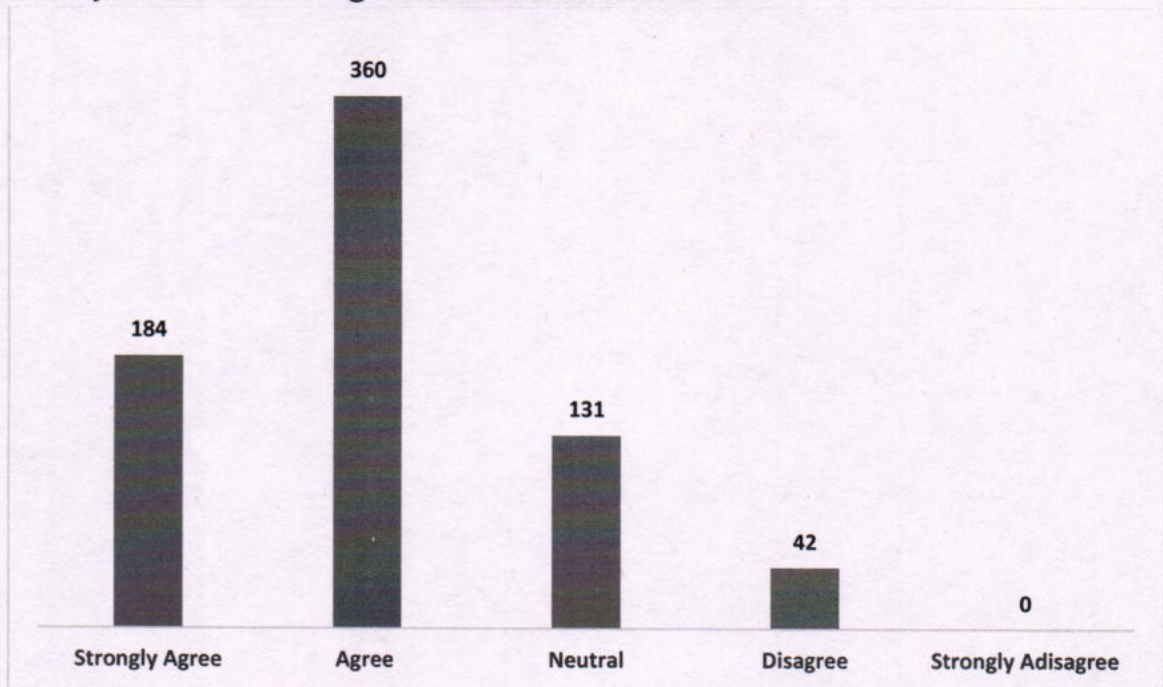
5. Cleanliness and lighting of washroom all the time



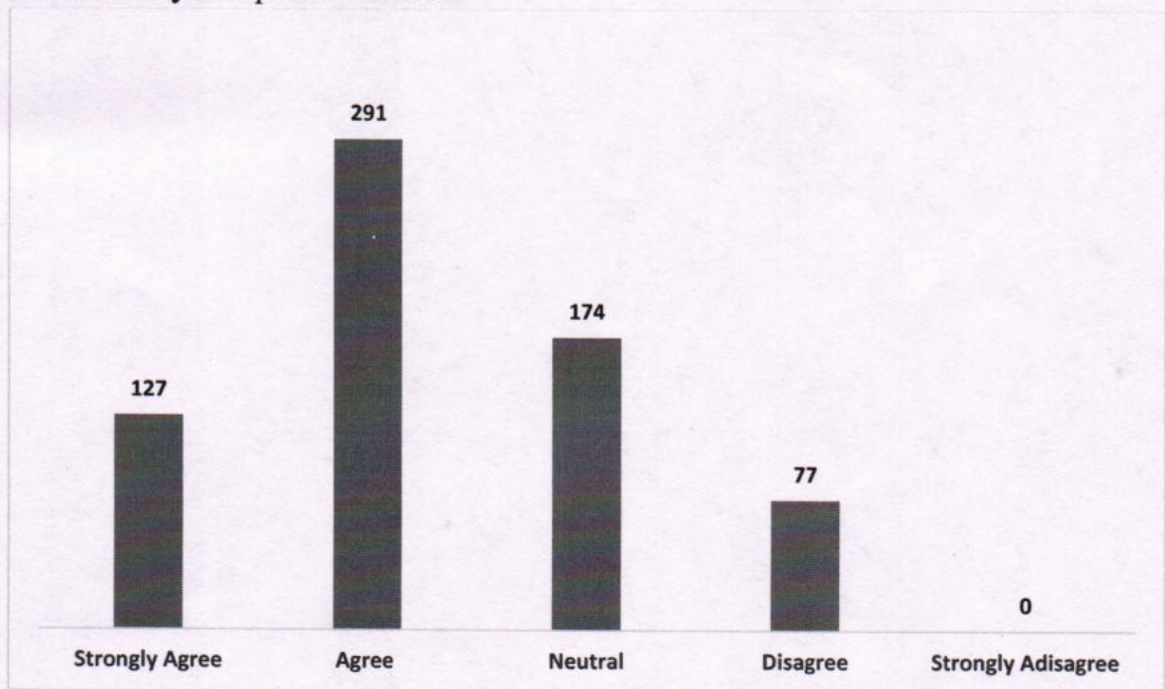
6. Quality of drinking water



7. Eco system to encourage extra-curricular activities



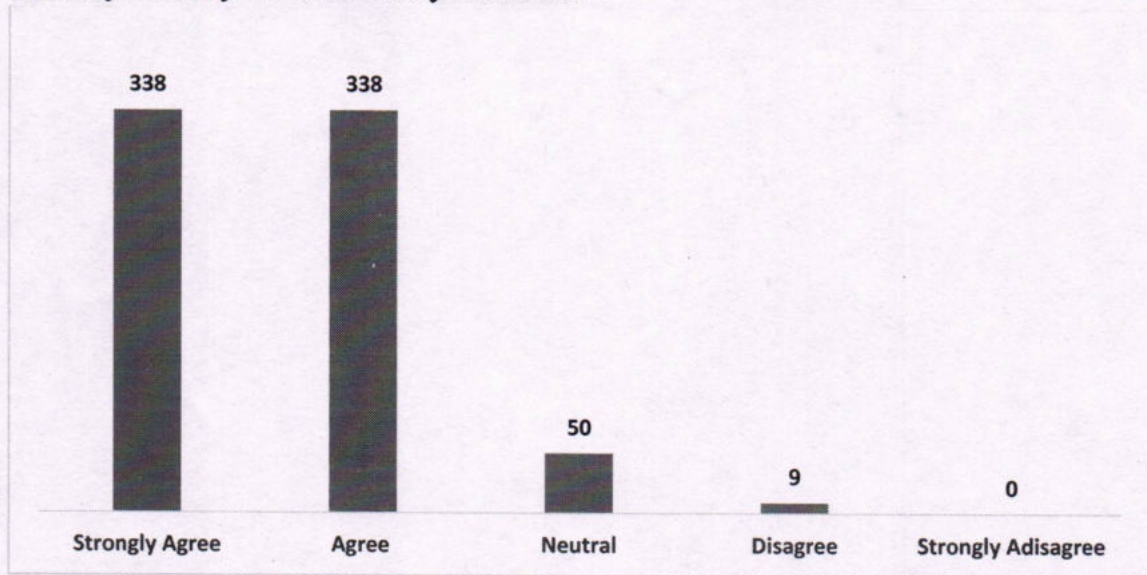
8. Availability of sports facilities



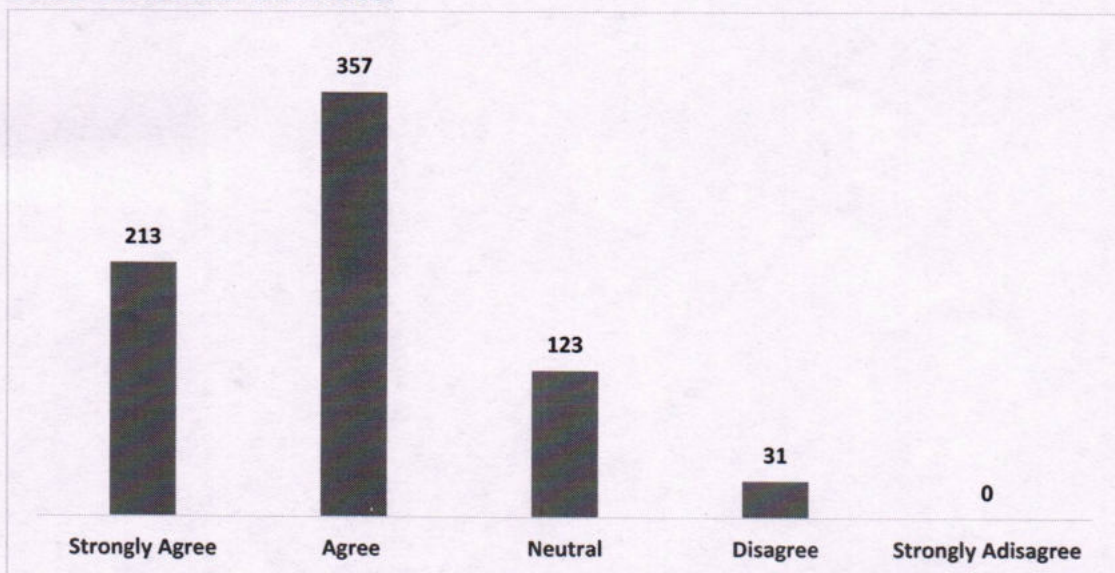
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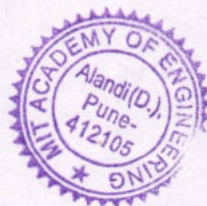
9. Library facility - Availability of books



10. Counseling by mentor and motivation to participate in co-curricular and extra-curricular activities.



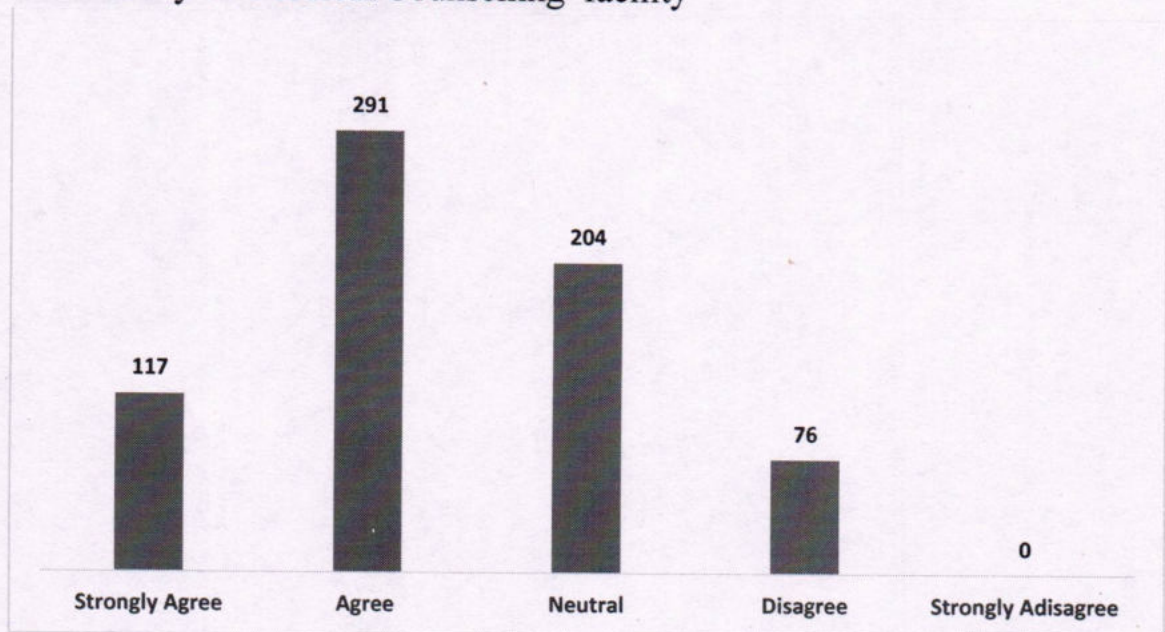
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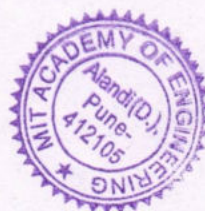
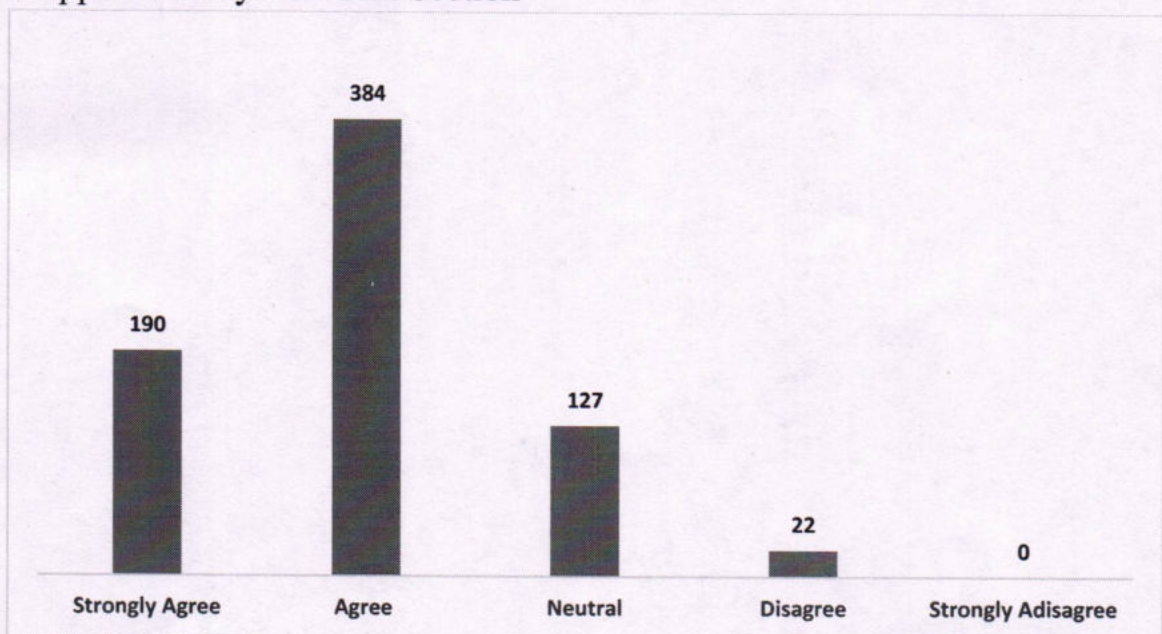
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11. Availability of Medical/Counselling facility



12. Support facility - Student Section

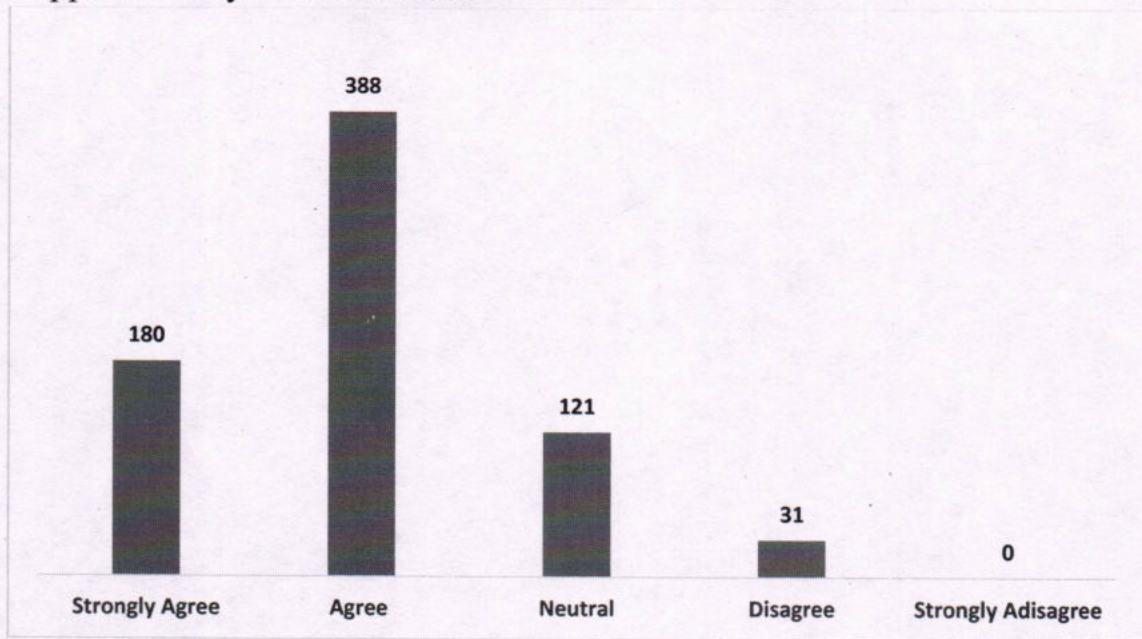


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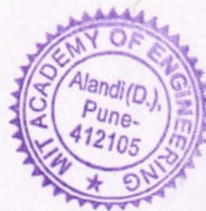
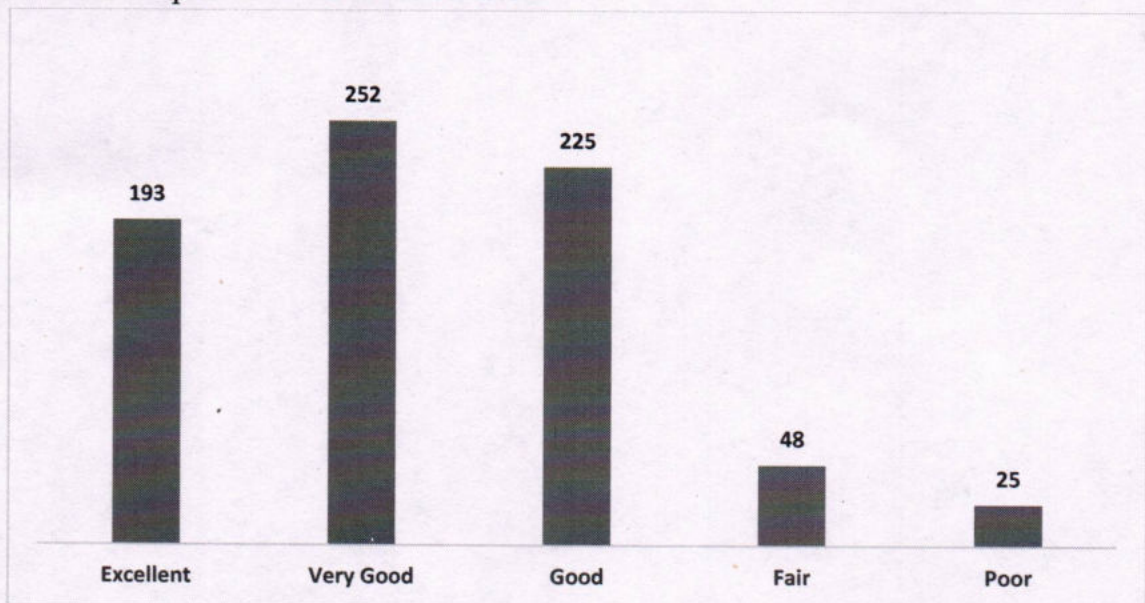
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13.Support facility - Exam Section



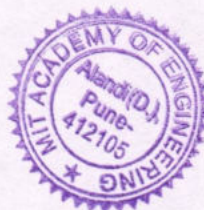
14.Overall impression of the institute



Action Taken Report for Feedback on Infrastructure and Facilities

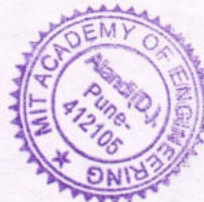
A.Y. 2022-23

Sr. No.	Issues related to Infrastructure and Facilities	Action Taken
1	Wi-Fi should be provided in each wing	Wi-Fi is made available in each academic wing
2	Lunch Time in Canteen should be increased	Lunch break is given in staggered timing.
3	Sports Facilities should be provided	Indoor as well as outdoor sports facilities are available to students. A separate sports slot is made available in the time table.
4	PCs are not working properly	Old computers are replaced with newly purchased computers in Computer Engineering, Electronics and Telecommunication Engineering.
5	Drinking water quality should be improved	RO Plant maintenance is done to maintain drinking water quality
6	Washrooms should be cleaned	Washrooms cleaning is scheduled thrice a day



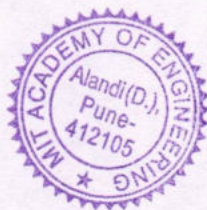
Annexure-III: Academic Audit

School	Details
Chemical	Academic audit of school of chemical engg was conducted on 7th April 2023 and detailed is mentioned in above report. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Chemical.pdf</u>
Civil	Academic audit of school of Civil engg was conducted on 21 April 2023. Action Taken Report- <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Civil.pdf</u>
Computer	Academic audit of school of computer engg was conducted on 7 April 2023. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Computer.PDF</u>
Electrical	Academic audit of school of computer engg was conducted on 6 April 2023. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Electrical.PDF</u>
Mechanical	Academic audit report School of Mechanical Engineering <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Mechanical.pdf</u>



Annexure-IV: Details of SLIP

Department SLIP Status	COMP	IT	E&TC	ETX	MECH	CIVIL	CHEM
Final Year Students Strength	189	85	152	28	215	65	68
SLIP Confirmed students	88	38	77	14	111	40	39
SLIP In-Process students	0	0	73	18	0	0	0
Maximum Stipend	110000	98000	33000	25000	20000	12000	20000
Minimum Stipend	0	0	0	0	0	0	0



Annexure-V: Status of Strategic Plan (Quarter-3, 2022-23)

A. Teaching Learning Process

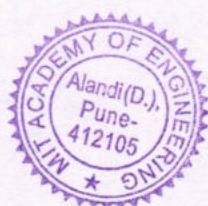
Key Performance Indicators	Target	Quarter - III Status
Curriculum Flexibility (% of Credits)	22	35
Curriculum Revision (% of Contents)	25	25
Expert Talk	100	75
Skill Courses	25	32
Laboratory Collaboration	3	0
Faculty Development Programs	7	8
Professional Courses (per faculty)	200	150
Assessment Reform (% of Credits)	10	10
Digital Content Creation (No. of Courses/%)	10	10
Professional Certificate Courses	3	3

B. Research & Consultancy

Key Performance Indicators	Targets	Quarter-III Status
Research Funding and Grants		
Seed Money	2	Rs. 4,50,000 sanctioned
(No. of projects/program)		11 Proposals approved
External Funding (Per program)	2	Rs. 10,000 recd
Total per program	4	
Research Publications scopus / SCI indexed (Nos.)		
International Journals (Nos.)	25	66
National Journals (Nos.)	5	01
International / National Conferences - (Nos.)	70	46
Book Chapters (Nos.)	10	6
Total (Nos.)	110	96

B. Research & Consultancy

Key Performance Indicators	Targets	Quarter-III Status
IPR (No. of Patents)	15	17
Consultancy		
Engineering Consultancy	8	1
Design Consultancy	4	0
Total	12	1



C. Students Support and Success

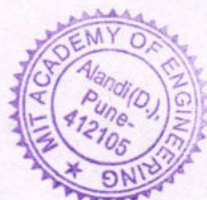
Key Performance Indicators	Target	Quarter-III Status
Employability- Training programs	10	10
SIP(Industry) – No. of students	450	In Process
SIP – No. of industry offers	400	In Process
SLIP – No. of students	200	407
SLIP – No. of industry offers	80	148
Placement – No. of students	480	467
Placement – No. industry offers	330	251
Placement - Average Salary (in Lakhs)	5.4	6.47

D. Enhanced Students Experience

Key Performance Indicators	22-23 Targets	Quarter-III Status
Competitions and Events Participation		
Technical Participation (Nos.)	350	185
Number of Technical competitions	35	15
Number of Technical Achievements	40	16
Total number of students participation in various student events	1500	965
Total number of students Achievements	80	55
Number of events / competitions to be participated	100	61
METAOE Club Events- Organization		
METAOE Clubs (Cumulative Nos.)	28	28
Club events (Cumulative Nos.)	150	67
National level technical event (Nos.)	2	2
Sports events (Nos.)	3	2
Youth events (18-25)	11 Dec	11 Dec
Social Internships		
Number of Social Internships	2	0
Number of students	60	0

E. Enhanced Alumni Engagement

Enhanced Alumni Engagement	Target	Quarter - III Status
Alumni Activities	80	62
Alumni meet (school/institute level)	8	6
Alumni meet – Student involvement	800	535
Alumni - Sponsorship (Nos.)	7	8
Alumni – Internship / placement offers	80	70
Distinguished Alumni / Recognition Appreciation	7\ 40	12\33



F. People & Welfare (HR)

Faculty Strength (2022-2023) As on 9.6.2023

	Target	Status
6.1.1 Engineering (Faculty : Student Ratio) -	1:15	1:20
6.1.2 Design (Faculty : Student Ratio) -	1:10	1:10

50

G. Entrepreneurship & Innovation Ecosystem (ED Cell)

Entrepreneurial & Innovation Ecosystem	Q3 Result
IE Awareness and Promotional activities	3
Networking	2
Upskilling and Outreach program	2
Alumni engagement activities	1
Project to Product (P2P) Transformation Program	0
No of student startup	2
Infrastructure and facilities -Incubatee Seating space	0
Patents at MITAOE EDF	1
Crazy quilt with mentor, investor and channel partner	4

51

H. Sustainability

Key Performance Indicator	Targets	Quarter-III Status
Transport Pollution :Carbon Footprint Reduction (%)	8	2
Rain water harvesting (Nos)	1	NIL
Plastic Bottles purchased (Reduction %)	50	20
Paper printing (reduction %)	40	20
Paper recycling (increase %)	20	10
Food waste (reduction %)	25	20
Vermicompost (increase %)	20	20
Land Scaping (increase %)	20	5
Maintenance (reduction %)	20	NIL

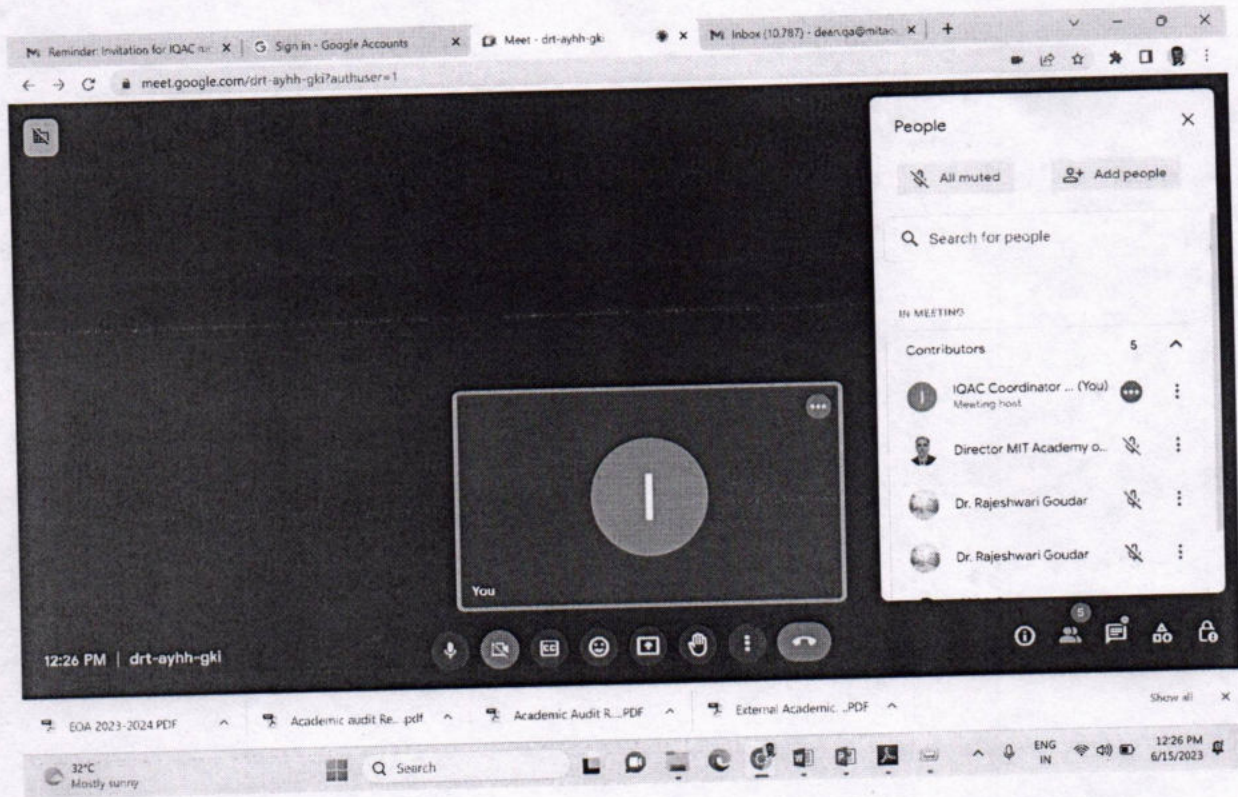
52



MIT Academy of Engineering (An Autonomous Institute)	ATTENDANCE		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	:	15 th June 2023
	MEETING NO.	:	IQAC / 2022-23 / 03

Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	Online (Signature) 22/6/23
02	Prof.(Dr.) Shitalkumar. A. Jain	—
03	Prof.(Dr.) Sunita S. Barve	Barve
04	Prof. Sunilkumar.M.Bhagat	Bhagat
05	Prof. Avinash Bhalerao	Bhalerao
06	Prof.(Dr.) Abhijeet Malge	Malge
07	Dr. Vaishali Wangikar	Online
08	Dr. Arika Kotha	Kotha
09	Dr. Shayam Shukla	Shukla
10	Prof. Ranjana Badre Goudar	Online
11	Prof.(Dr.) Dipti Sakhare	Sakhare
12	Prof.(Dr.) Prafulla Hatte	Hatte
13	Mrs. Vandana Khandelwal	Khandelwal
14	Prof.(Dr.) Balasaheb. Waphare	—
15	Prof.(Dr.) Anant Chakradeo	—
16	Mr. Yash Tajane	—
17	Mr. Saurabh Saha	—
18	Mr. Pravin Pawar	Online
19	Mr. Girish Bora	Online
20	Dr. Suyogkumar Taralkar	Taralkar
21	Mr. Pijip Panchal	Panchal
22	Mrs. Saylee Bidwai	Bidwai
23	Mr. S.A. Khandekar	Khandekar
24	PRAMOD P. KOTHMIRE	Kothmire

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Alandi (D), Pune - 412 105

ACADEMIC
YEAR : 2022-2023

INTERNAL QUALITY
ASSURANCE CELL

DATE : 15th June 2023

MEETING NO. : IQAC/2022-23/03

To confirm the previous minutes of meetings 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-2, 2022-23, February 10, 2023) and review on action taken report was discussed and confirmed by all members of IQAC. Action taken report on suggestions given in previous meeting:

01

Sr. No.	Suggestions	Action Taken
1	Stakeholders feedback (curriculum/facilities)	Feedback collected, analyzed and action taken report prepared.
2	Academic Audits and Question Paper Audits	Academic Audits of schools conducted through external experts. Question Paper Audit done at the school level. Institute level question paper audit is scheduled in month of July 2023.

To discuss revision in the curriculum (2022-23 Pattern)

Discussion and Resolution: Deputy Director Academics & Research presented the revision in curriculum structure (2022) and also highlighted the changes as compared with previous version of curriculum as compared with AICTE model curriculum. Hon'ble member Mr. Girish Bora mentioned about the importance of generative AI and design and Chat GPT. Members also appreciated the structure and skill courses introduced in the curriculum.

02

Details are given in Annexure – I

Responsibility: Deputy Director Academics, All School Deans



Action Taken:

ChatGPT introduction is introduced at First Year Level. NEP Implementation in Curriculum Design, Delivery and Assessment is initiated with First Year from Academic Year 2023-2024. Pl find details

First Year 2023 - 2024

<https://docs.google.com/document/d/1sWLotDGCwM5SoOcCOvxIP8ipnmwrdcOFr6kCie2b54E/edit?usp=sharing>

SChE: NEP 2020 will be implemented from FY curriculum as per AICTE model curriculum from AY 2023 -2024. CACE, AI and Data science is incorporated in the revised curriculum.

SME: NEP 2020 will be implemented from FY and SY B Tech curriculum as per AICTE model curriculum from AY 2023 -2024. Fab Lab, Indian Metallurgy, Generative Design, Digital Twin, OOPS are incorporated in the revised curriculum.

SEE: NEP 2020 will be implemented from FY and SY B Tech curriculum as per AICTE model curriculum from AY 2023 -2024. Electronics Workshop, Logic sensing and Actuation, Vedic Mathematics , OOPS are incorporated in the revised curriculum.

SCE: FY and SY B.Tech curriculum are revised as per NEP 2020 and AICTE model curriculum for academic Year 2023-24. The courses namely Linux fundamentals and Programming, Foundation of Computing , Indian Knowledge System(IKS) - Vedic Mathematics, Data Visualization using Tableau and Discrete Structures are incorporated in the revised curriculum.

To discuss Infrastructures and Central Facilities feedback

Discussion and Resolution: Dean QA presented the students feedback, analysis and action taken report on infrastructures and central facilities. Members were asked about the feedback on transport facilities by students. It is discussed that; institute does not provide transport facilities to students. Most of the students staying nearby and students staying outside Alandi are using public transport or their own way of transport.

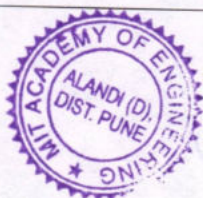
Details of facility feedback are given in Annexure – II

Responsibility: Registrar

Action Taken:

Institute has tried best and following are the observations.

1. Scattered time table
2. Transport charges
3. Students preference to own vehicle



To discuss academic audits

Discussion and Resolution: Dean QA briefed about the internal and external academic audits. Internal academic audit is conducted twice in year (after completion of each term) by internal expert members. External Academic Audit is conducted once in year by external expert members (industry, academia and research).

All school Dean presented academic audit report of their school for academic year 2022-23.

Details are given in Annexure-III

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

Action Taken:

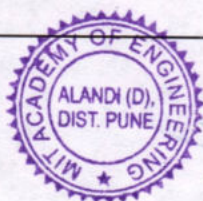
SChE: As per suggestion from Expert, Software based calculations will be incorporated in new courses introduced in the revised curriculum of FY and SY -B.Tech. E.g: Computer aided chemical engg subject will have software based calculation for the industrial problems solved under chemical process calculations subject

04

School	Internal Audit conduction date with observation		External Audit conduction date with observation
	Term-I	Term-II	Academic Year 2022-23
Chemical Engineering		No internal audit However, iso co ordinator checked the course files of all the faculty 10/1/2023 https://drive.google.com/file/d/1NwHA8XMhI4JMx31ZsoBWq1mPDkZRMiSe/view?usp=sharing	For AY-2022-2023,(I&II term) an academic audit was conducted dated on 7th April 2023 https://drive.google.com/file/d/1D3UQXF6fmKltpstLKDYf3FtSYmwq2T77/view?usp=sharing Action Taken: https://drive.google.com/file/d/1aXHhSXZtVldPVkFbmhkpVrylP4c5D0z0/view?usp=sharing
Computer Engineering	—	—	School of Computer Engineering has conducted Academic audit for academic



			<p>year 2022-23 on 17th March 2023. Dr. Sunil B Mane and Dr. V K Pachghare from COeP technological university, Pune were the Auditors.</p> <p>Link:</p> <p>https://docs.google.com/forms/d/e/1FAIpQLScZTQzba4bZO7WabUvKfErQzDFqEjgBR5fKGJVTIKLvRQAw/viewform?usp=sf_link</p>
Civil Engineering	-	-	<p>For AY 2022-23 (Term-I and II) Audit was conducted on 21/04/2023</p> <p>Audit Report-</p> <p>https://drive.google.com/file/d/1hWt2TiqjBrPfr09rwmOepugcEn9GNliC/view?usp=drive_link</p> <p>Action Taken Report-</p> <p>https://drive.google.com/file/d/1Dua2hTyhgQH5IosEiUoMpcPsatEwMW5/view?usp=drive_link</p>
Electronics & Telecommunication Engineering			<p>For AY 2022-23 (Term-I and II) Audit was conducted on 21/04/2023</p> <p>https://docs.google.com/document/d/1q2vYRE0mTuDCjotHZDLJaJG_nC5YS9Wc/edit?usp=drive_link&ouid=113345800936945241915&rtpof=true&sd=true</p>



	Mechanical Engineering		For AY 2022-23, Audit was conducted on 12/04/2023 Link: https://drive.google.com/file/d/1KXjCYbfv5zDCsXnqEZLG_Gnh2tROq2iof/view?usp=sharing
	Humanities and Engineering Sciences		Audit will be conducted in Third week of September
	Design		Academic audit cum review is conducted 1. after every fortnightly on course progress, by prof. Uday Athavankar 2, after every jury exam is over, a written/email feedback from external jury and further reviewed by Prof. Athavankar

To discuss R&D activities (Quarter-3 of 2022-23)

Discussion and Resolution: Dean R&D presented the R&D activities like Paper Publications, Conference Presentations, Patents Filed etc. Following are the details of R&D activities.

Paper Publications:

1. International Journals : 66
2. National Journals : 01

Conference Presentations:

1. International Conferences : 46
2. National Conferences : 00

Patents Filed : 17

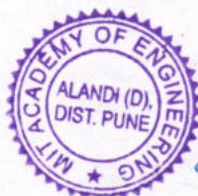
Industry Consultancy Completed : Repos Energy India Pvt Ltd

05

Responsibility: Dean R&D, School Deans

Action Taken:

1. **SChE:** As per suggestion, Faculties are encouraged to participate in International Conference and Publish the papers in well reputed journal. In view of this, 2 faculties have registered for two International Conferences namely AOSS 2023 (NIT, Warangal-28th-30th Sept 2023) and Chemference 2023 (BITS, Goa, -30th Sept to 2nd Oct 2023)
2. **SCE:**



The details of contribution of faculty towards papers presented in international conferences, Publication in journals, patents published and publication in journals for academic year 2022-23 is as below.

Number of international conferences presented: 12

Number of publications in journals:

SCIE: 04

Scopus: 10

Patent published: 05

Book chapters: 01

3. **SME:** One patent is granted: "Mechanism for Removing Leaves & Thorns from Rose Flower.
4. Total number of Book Chapters increased to seven.
5. **SCVE:**

The details of contribution of faculty towards papers presented in international conferences, Publication in journals, and publication in journals for academic year 2022-23 is as below.

Number of international conferences presented: 06

Number of publications in journals: 06

SCIE: 02

Scopus: 04

SEE: The details of contribution of faculty towards papers presented in international conferences, Publication in journals, patents published and publication in journals for academic year 2022 is as below.

Number of publications in journals: 04

SCIE: 02

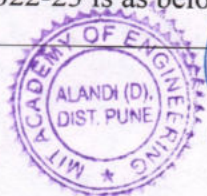
ESCI- 01

Scopus: 13 (C)+ 04(J)

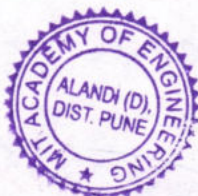
Patent published: 02

Book chapters: 04

SHES : The details of contribution of faculty towards papers presented in international conferences, Publication in journals, patents published and publication in journals for academic year 2022-23 is as below.



	<p>Number of publications in journals: 02</p> <p>SCIE: 00</p> <p>ESCI- 00</p> <p>Scopus: 02</p> <p>Book chapters: 02</p>
06	<p>To discuss T&P activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the T&P activities and achievements during academic year 2022-23.</p> <p>Total no. of students placed : 532</p> <p>Percentage of Students placed : 78.69</p> <p>Highest Salary Offered : 24.74 LPA</p> <p>Average Salary offered : 6.2 LPA</p> <p>Total Companies in Database : 127</p> <p>Details of SLIP are given in Annexure – IV</p> <p>Responsibility: Dy Director CR</p> <p>Action Taken:</p> <p>The placement is a continuous process and planned number of companies to contact for placement and internship.</p>
07	<p>To discuss Alumni activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the Alumni activities. And involvement of alumni in various events.</p> <ul style="list-style-type: none"> ❖ Guest lecture ❖ Invited as an external examiner ❖ School level Alumni meet ❖ Project Guidance ❖ BOS meeting <p>Responsibility: Alumni Coordinator</p> <p>Action Taken:</p> <p>Alumni were invited to conduct various activities either in physical or online mode.</p>
08	<p>To discuss Students activities (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean SA presented the details of student activities.</p> <ul style="list-style-type: none"> - Activities conducted under G20 - International Women's Day Celebration (100 Participants) - Plastic Free Campus – Clean Up Activity - Event Participation -



- Football Tournament at AIT Dighi - April 2023 - 2nd Runner Up
- MODEL UNITED NATIONS -D.Y.Patil Ambi - Literary Club - April 2023.
- Activities to be conducted in coming months
- G20 - Woman Empowerment Events
- G20 - Plastic Free Campus Activities
- Mission Life - Bicycle Rally
- G20 - Hygiene Awareness Programs.

Responsibility: Dean SA

Action Taken:

Conducted Following Activities under G20.

- AICTE Mission Life - Plastic Free Campus Activities & River Clean Up Activity dated 31/05/2023
- AICTE Mission Life - Tree Plantation dated 16/06/2023.
- UGC Jan Bhagidari Painting Event dated 10/06/2023.
- UGC Jan Bhagidari Essay Writing Event dated 10/06/2023.
- International Yoga Day dated 21/06/2023.
- Participated in DDC 2023 at Chennai and Team achieved All India Ranking 3 in Presentation.

To discuss accreditation status (NAAC and NBA)

Discussion and Resolution: Dean QA informed all members about the NBA and NAAC accreditation status.

Accreditation by NAAC

- IIQA for cycle-2 is accepted by NAAC on 17th March 2023.
- SSR for cycle-2 is submitted on 29th April 2023.
- DVV verification is completed and passed pre-qualification stage.

09

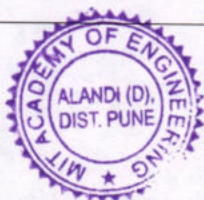
Accreditation by NBA

- UG Programs in Chemical Engineering, Computer Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering are accredited by NBA for three academic years (i.e. 2022 - 23 to 2024 - 25) in Tier - I mode.
- SAR for UG - Civil Engineering is submitted on 13th April 2023.



Responsibility: Dean QA, NBA Coordinator, School Deans.

Action Taken:

- 1) Two internal audits for UG (Civil Engineering) have been conducted.



	<p>2) Asked to conduct one external audit in the Third / Fourth week of August 2023.</p> <p>SChE: In view of NAAC visit, QA coordinator and Coordinator of school of chemical engg conducted an internal P file verification dated on 27th July 2023.</p>
10	<p>To discuss ranking (NIRF and OBE)</p> <p>Discussion and Resolution: Dean QA briefed about the ranking NIRF and OBE</p> <p>OBE Ranking: Application submitted on 25th May 2023.</p> <p>NIRF: Result Declared on 05th June 2023.</p> <p>Responsibility: Dean QA</p> <p>Action Taken:</p> <p>Detail analysis of OBE ranking will be done.</p> <p>Data collection for NIRF will be in continuous mode.</p>
11	<p>To discuss status of the strategic plan (Quarter-3 of 2022-23)</p> <p>Discussion and Resolution: Dean QA presented status of Quarter--3 of strategic plan for 2022-23</p> <p>Details are given in Annexure- V</p> <p>Responsibility: Director, Dy. Director-AR & CR, Registrar</p> <p>Action Taken:</p> <p>Periodic reviews are taken to ensure effective implementation of strategic plan. Required actions are initiated for Academic Year 2023-2024.</p>
12	<p>Any other point with permission of the chair</p> <p>IQAC – Coordinator & Dean QA proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.</p>

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



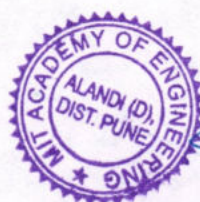
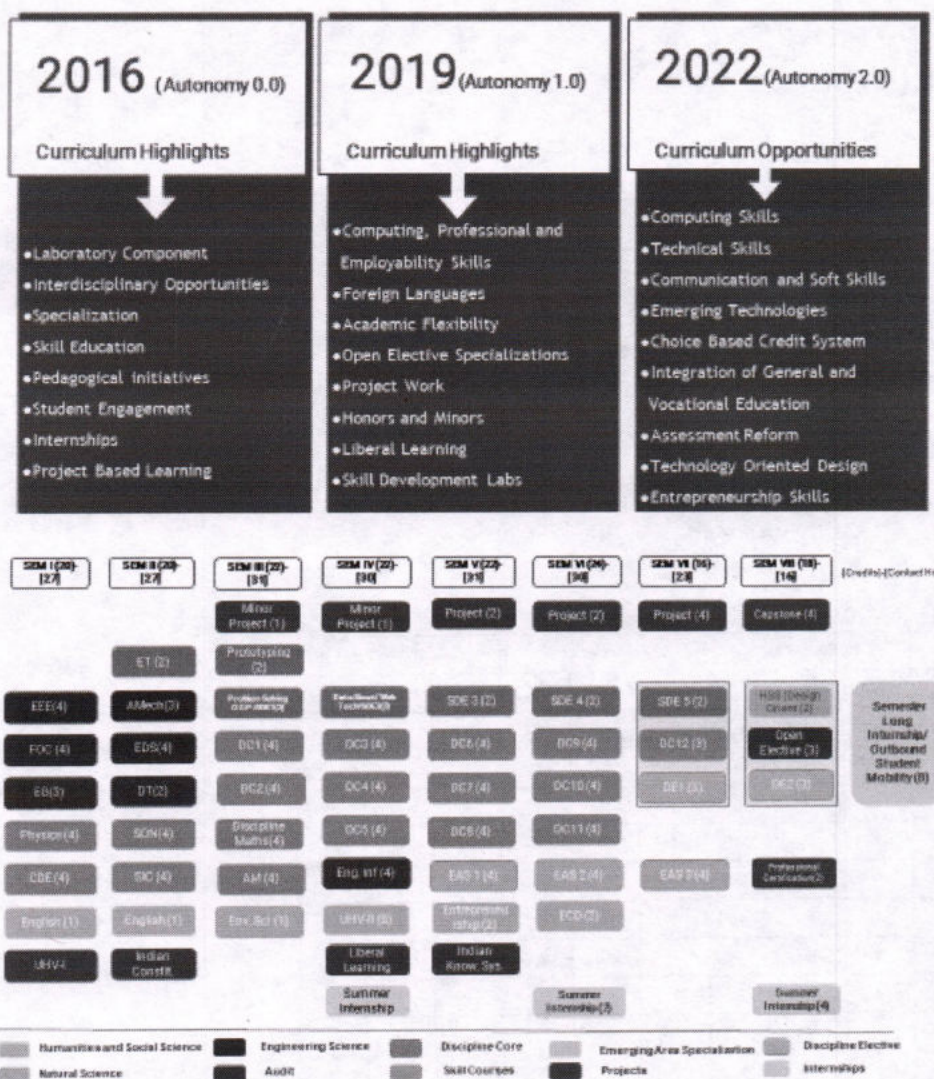
DIRECTOR
MIT Academy of Engineering
Alandi (D.), Pune-412 105.

Annexure-I: Curriculum Framework

MIT ACADEMY OF ENGINEERING

Curriculum Structure Highlights and Opportunities

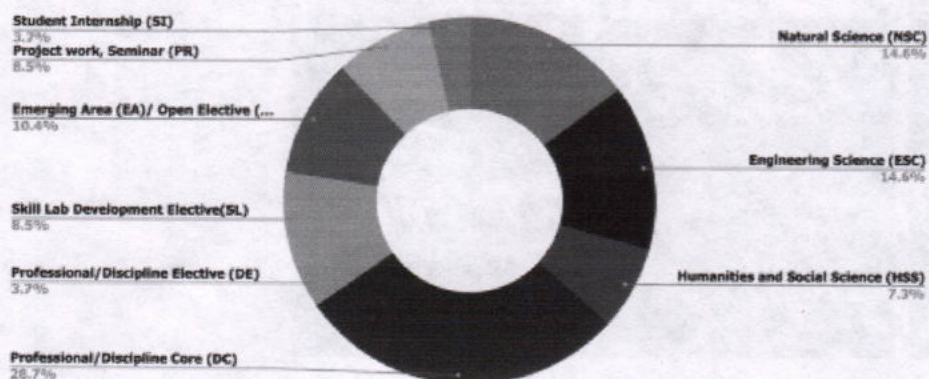
Revision 2022



Credit Distribution Revision 2022

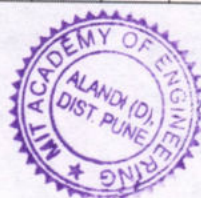
Course Category	No. of Credits	% of Credits
Natural Science (NSC)	24	14.6
Engineering Science (ESC)	24	14.6
Humanities and Social Science (HSS)	12	7.3
Discipline Core (DC)	47	28.7
Discipline Elective (DE)	6	3.7
Open Elective (OE)	5	3.0
Emerging Area Specialization	12	7.3
Skills	14	8.5
Projects	14	8.5
Internship	6/14	3.7
Total	164	100.0

Credits Distribution 2022 (164 Credits)



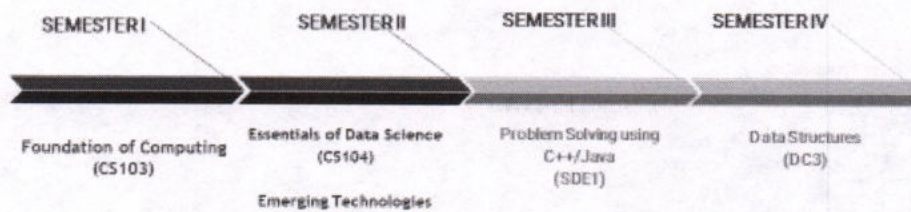
Curriculum Revisions: Revision 2016, 2019, 2022

CATEGORY OF COURSES	AICTE		AUTONOMY 0.0			AUTONOMY 1.0			AUTONOMY 2.0		
	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits	Count	Credits	% of Credits
Natural Science (NSC)	24	14.6	4	18	11	5	20	12.5	6	24	14.6
Engineering Science (ESC)	24	14.6	4	16	10	6	26	16.25	7	24	14.6
Program Core (PC)	NA	NA	5	19	12	0	0	0	0	0	0
Humanities and Social Science (HSS)	12	7.3	9	12	10	8	12	7.5	10	12	7.3
Professional/Discipline Core (DC)	47	28.7	12	48	29	14	54	33.75	12	47	28.7
Professional/Discipline Elective (DE)	6	3.7	2	6	4	2	6	3.75	2	6	3.7
Skill Lab Development Elective (SL)	14	8.5	5	10	6	6	12	7.5	7	14	8.5
Emerging Area (EA)/ Open Elective (OE)	11	7	4	16	10	3	12	7.5	5	17	10.36
Project work, Seminar (PR)	14	8.5	4	10	6	7	14	8.75	6	14	8.5
Internship in industry or elsewhere (SI)	6/14	3.7	1	4	2	3	4	2.5	3/5	6/14	3.7
TOTAL	160	100	49	164	100	51	160	100	58	164	100



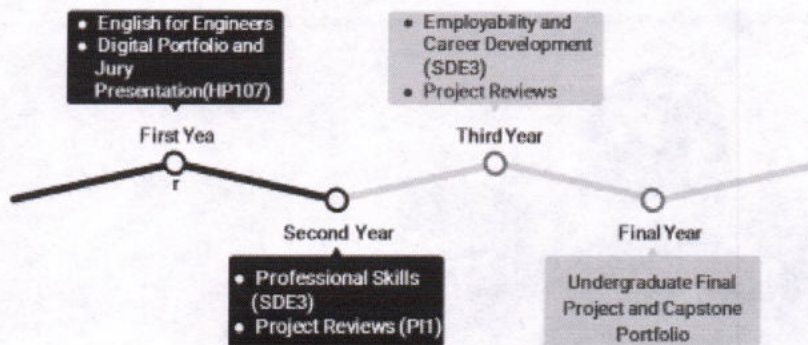
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Computing Skills



- Foundation Years: Necessary computing skills in First and Second Year of Engineering
- Basic Programming Practices and Problem Solving
- Mentorship and resources to become a better programmer
- Assessment Reform to check Programming Competency
- Global Competitive Programming platform
- To build a Competitive Programming culture

Communication and Soft Skills



First Year: Practice and Practical Approach

1. English for Engineers is a Year-long Course with two hours per week, focusing on four skills in each semester
2. Continuous Assessment, Third Party Assessment
3. Introduced new topics like: resume and cover letter, persuasive speaking, extempore, netiquettes, etc.

FY B.TECH COURSE: EMERGING TECHNOLOGIES

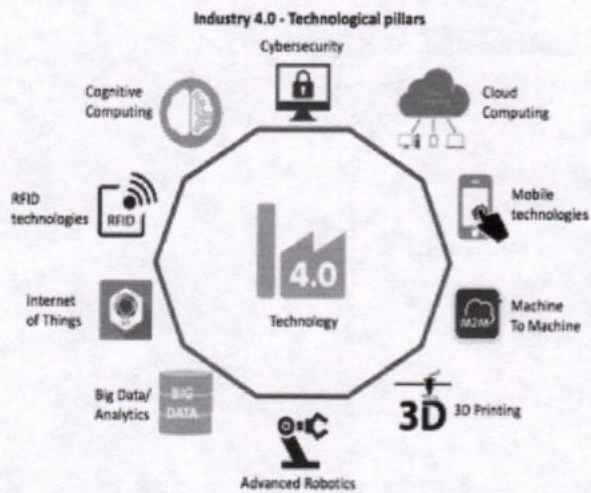
Session	Topic	Faculty
I	Introduction	Vinayak Kulkarni
II	Sustainable Technology Development	Vinayak Kulkarni
III	Digital Portfolio (Web Technology)	Dr. Vaishali Wangikar
IV	Artificial Intelligence and Expert systems (AI)	Vinayak Kulkarni
V	Affordable and Clean Energy (AE/CE)	Vinod Pakhale/Karjane Janghore
VI	Augmented Reality (AR)	Shridhar Khurdekar/Dr. Vaishali Wangikar
VII	Cloud Computing	Kajjasa Pawase
VIII	Droze Technology	Rohit Patil /Sneha Pawar
IX	Internet of Things (IoT)	Smita Pawar
X	Robotics	Isar Shikolekar / B R Patil
XI	Zero Energy Building (ZEB)	Mangish Khondare, Khushal Kanode, Karjane Janghore
XII	Electric Vehicles (EVs)	B R Patil



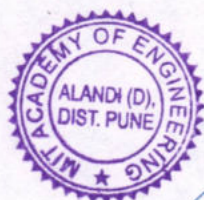
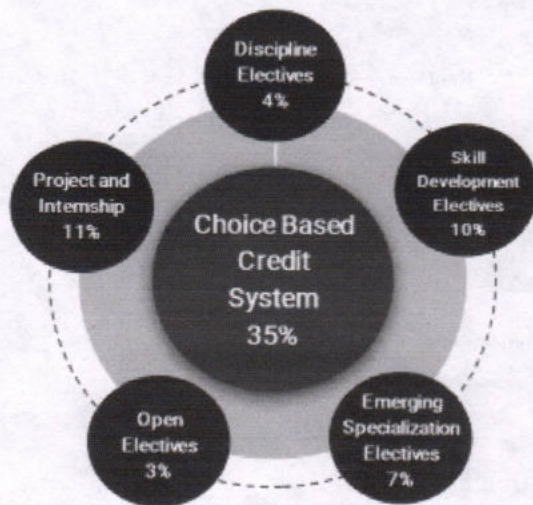
- What is Technology?
- Sustainable Technology
- Case Study: Technology for Zero Hunger Challenge, Life below water, Technology, Life on Land
- Digital Portfolio
- Assessment: Jury



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Current Challenges:
 Gap in Technical Skills,
 Data Sensitivity,
 Interoperability,
 Security,
 Handling Data Growth

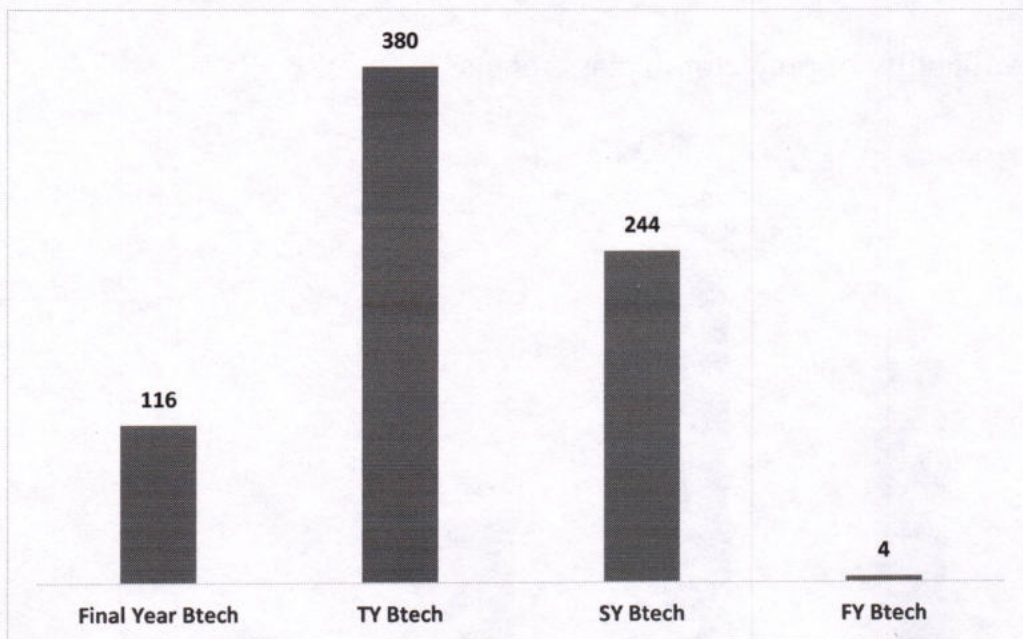


A handwritten signature in blue ink, likely belonging to a faculty member or administrator.

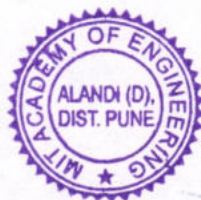
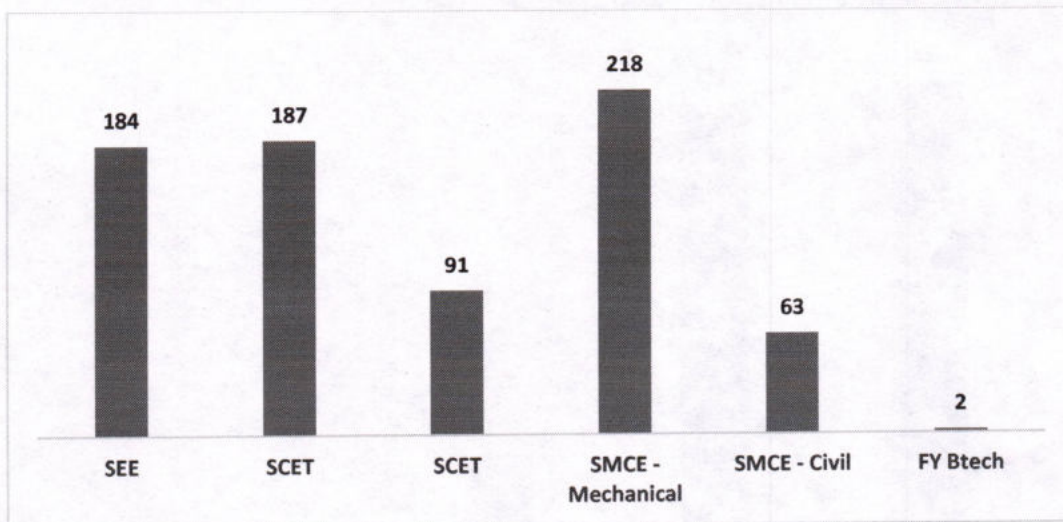


Annexure-II: Feedback on Infrastructure and central Facilities

Feedback Received From Students

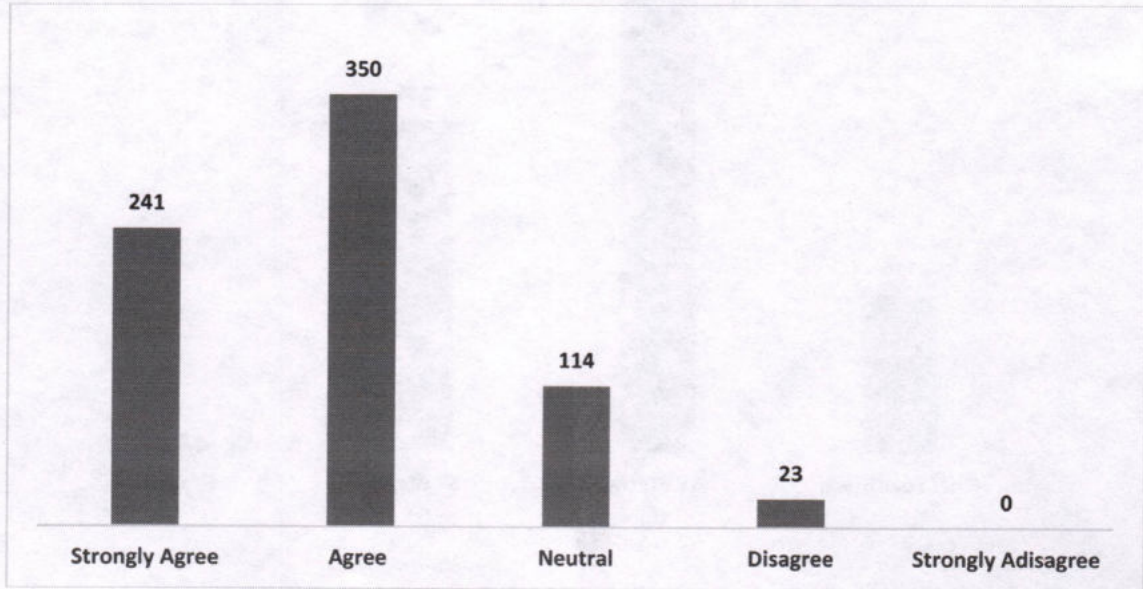


Feedback Received from School Students

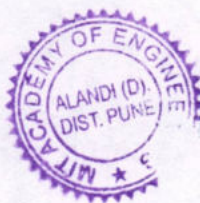
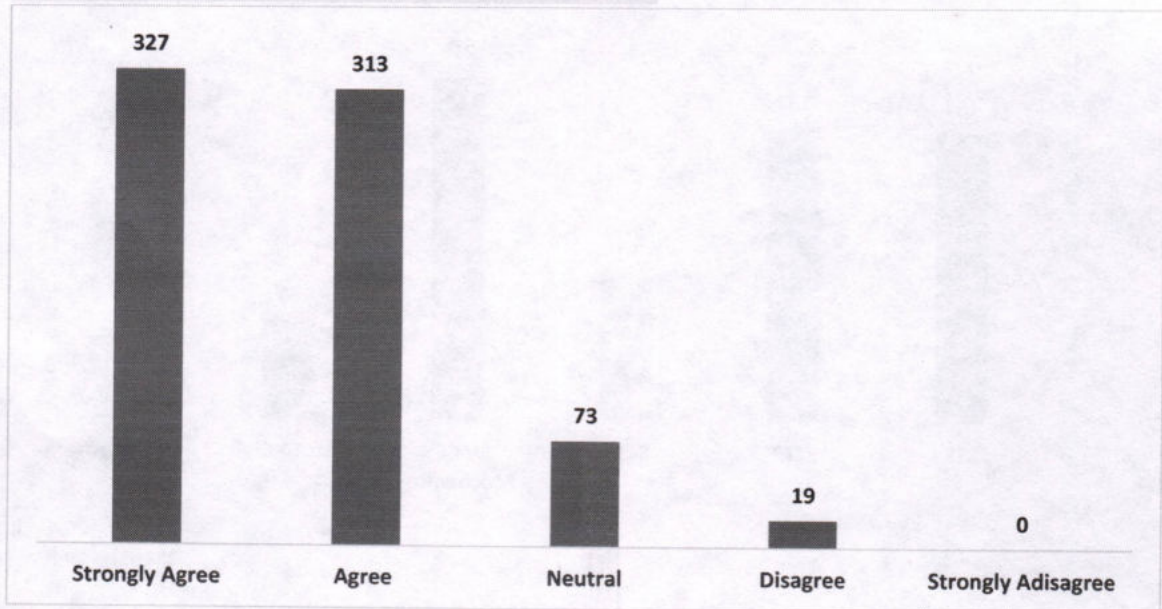


Question-wise Analysis of Feedback on Infrastructures and Central Facilities

1. Availability of projector in class rooms



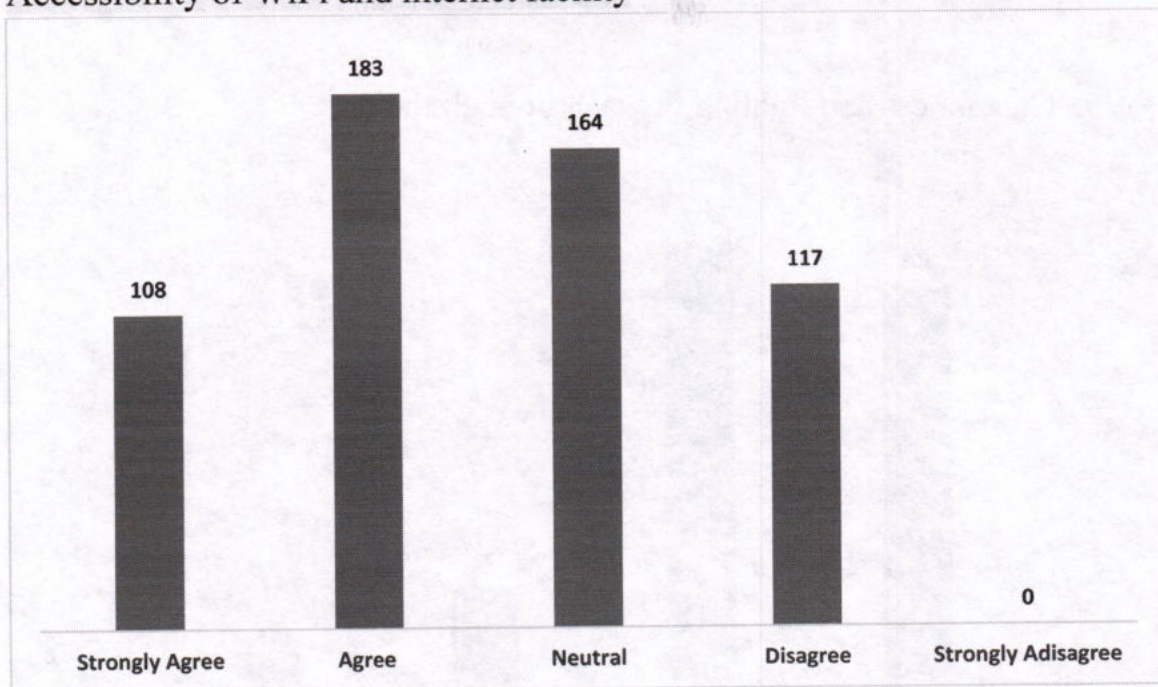
2. Cleanliness in class rooms and laboratories



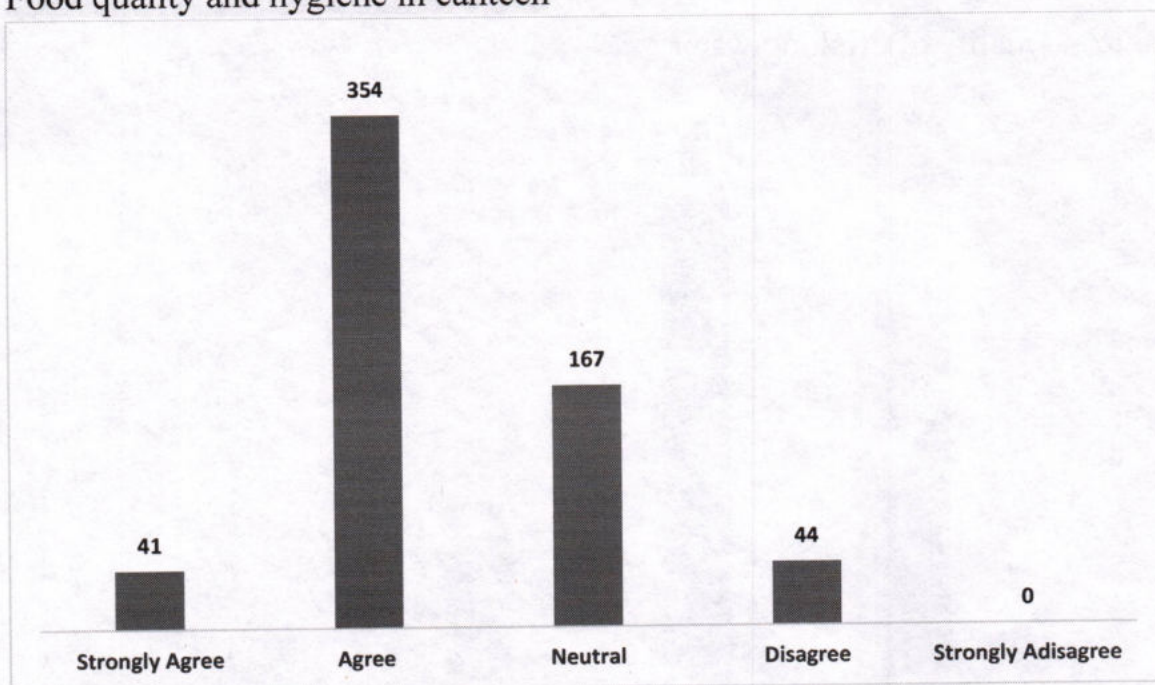
A handwritten signature in blue ink, likely of an official, written over the stamp.



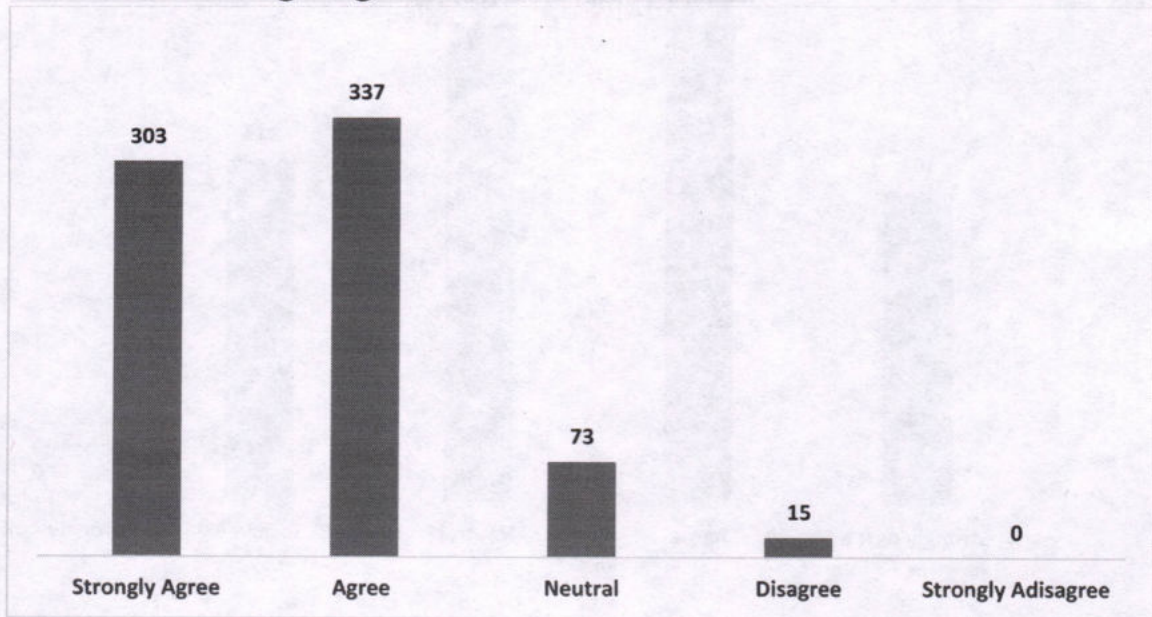
3. Accessibility of WiFi and internet facility



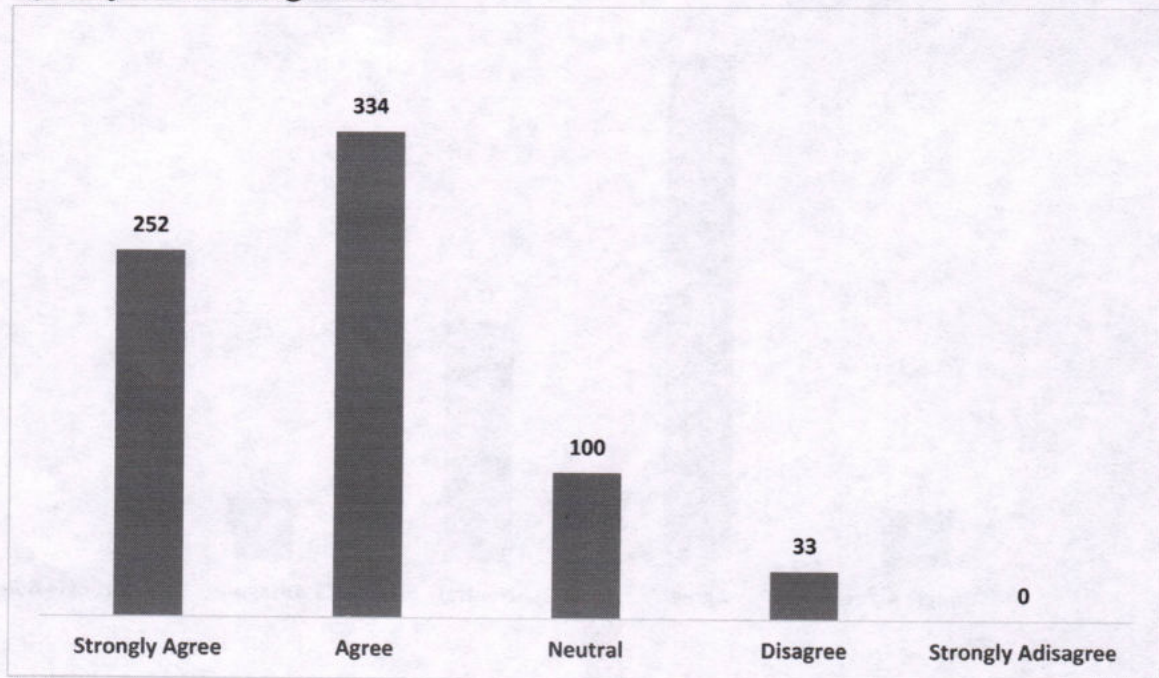
4. Food quality and hygiene in canteen



5. Cleanliness and lighting of washroom all the time

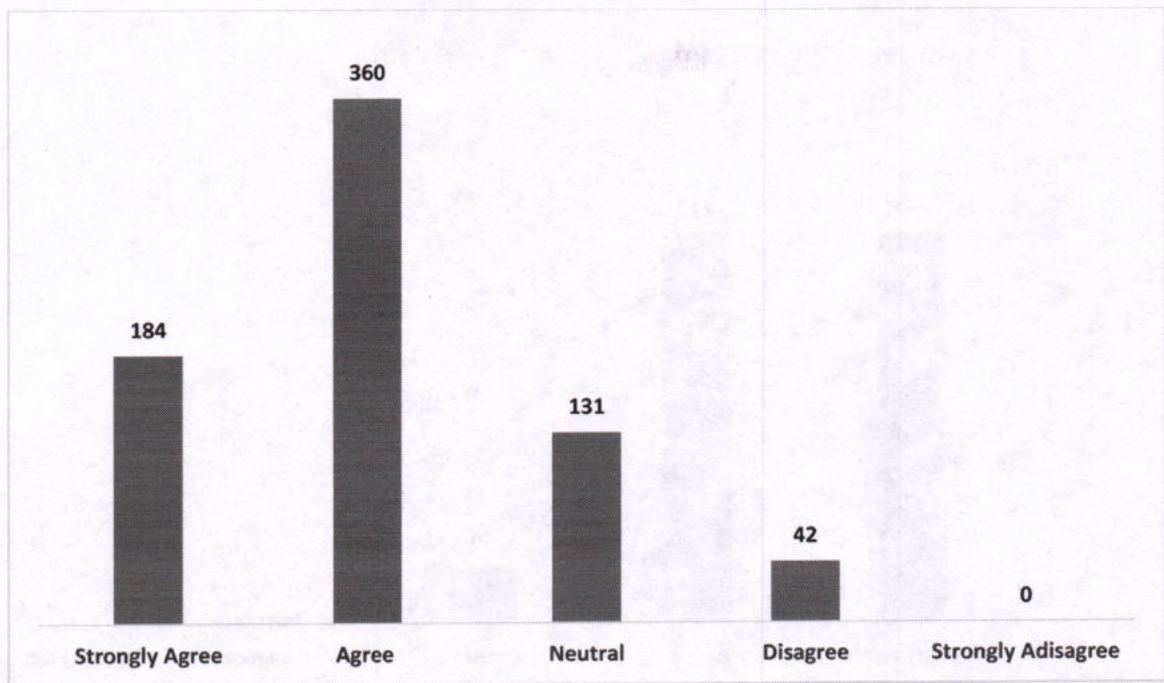


6. Quality of drinking water

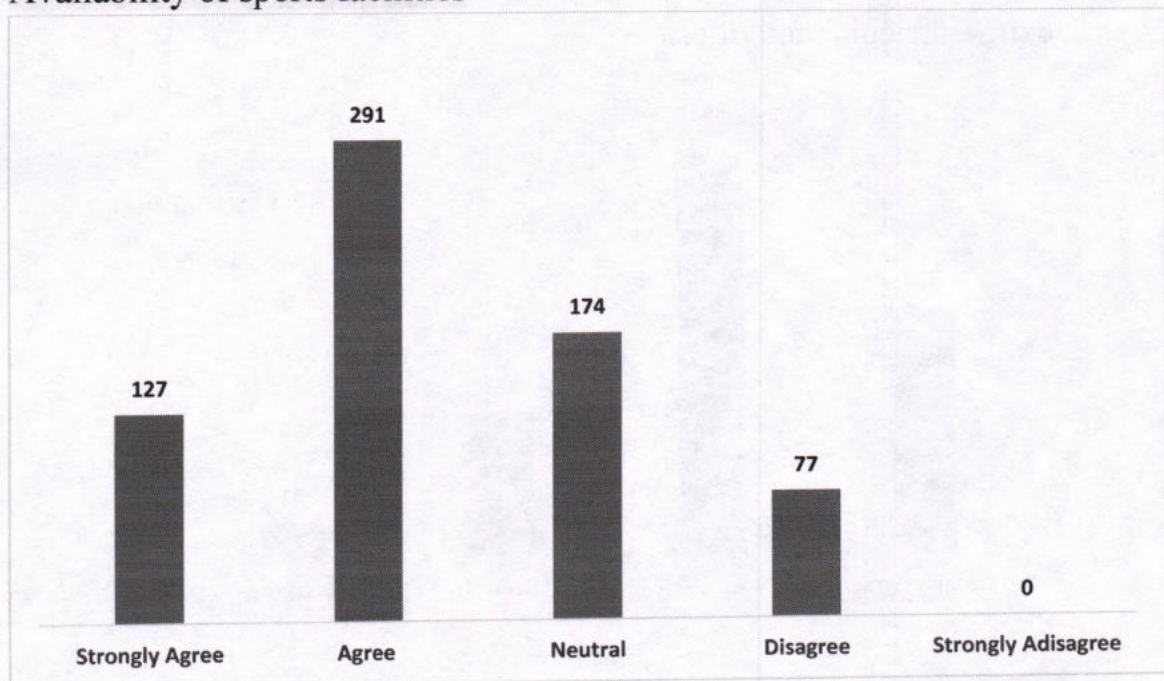


7. Eco system to encourage extra-curricular activities



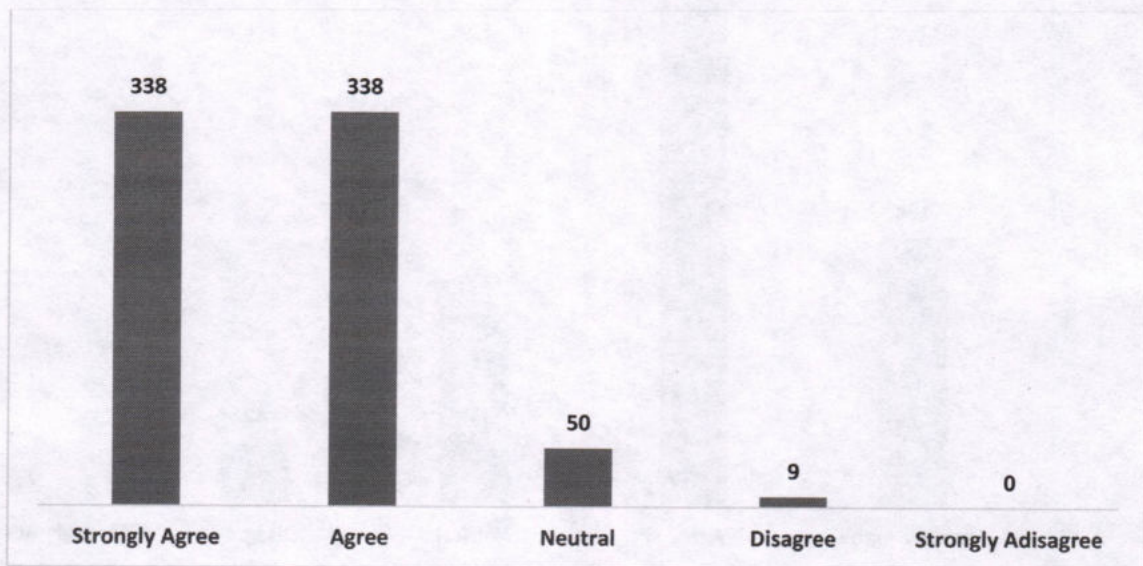


8. Availability of sports facilities

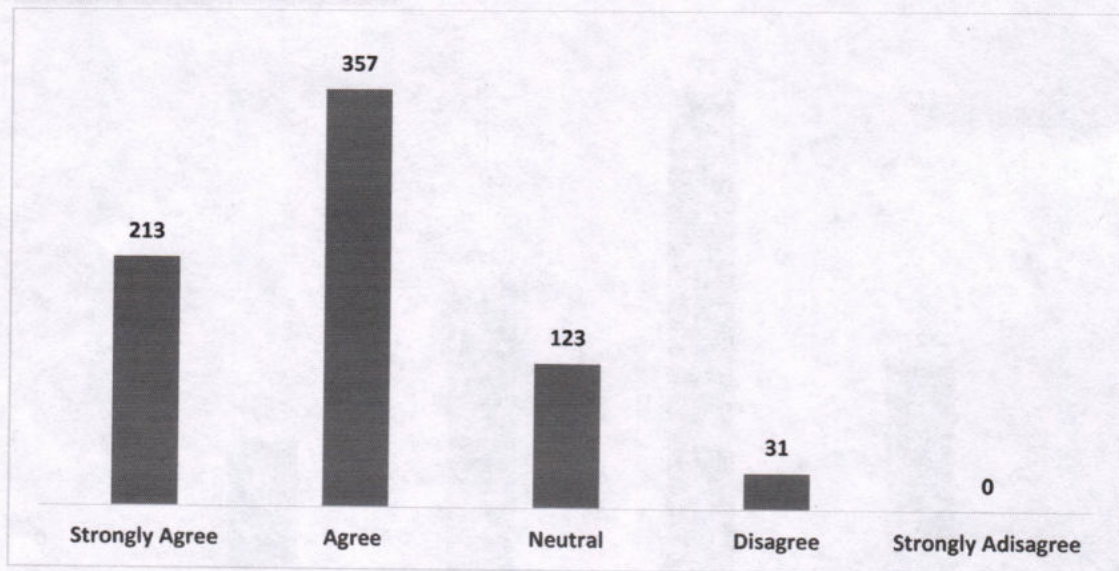


9. Library facility - Availability of books

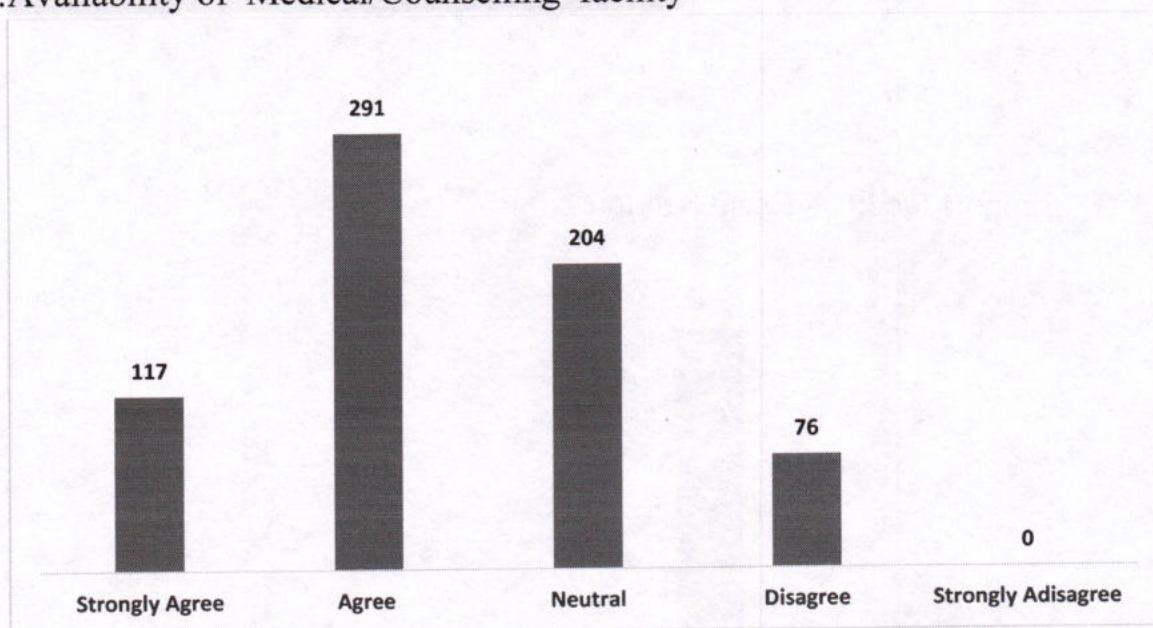




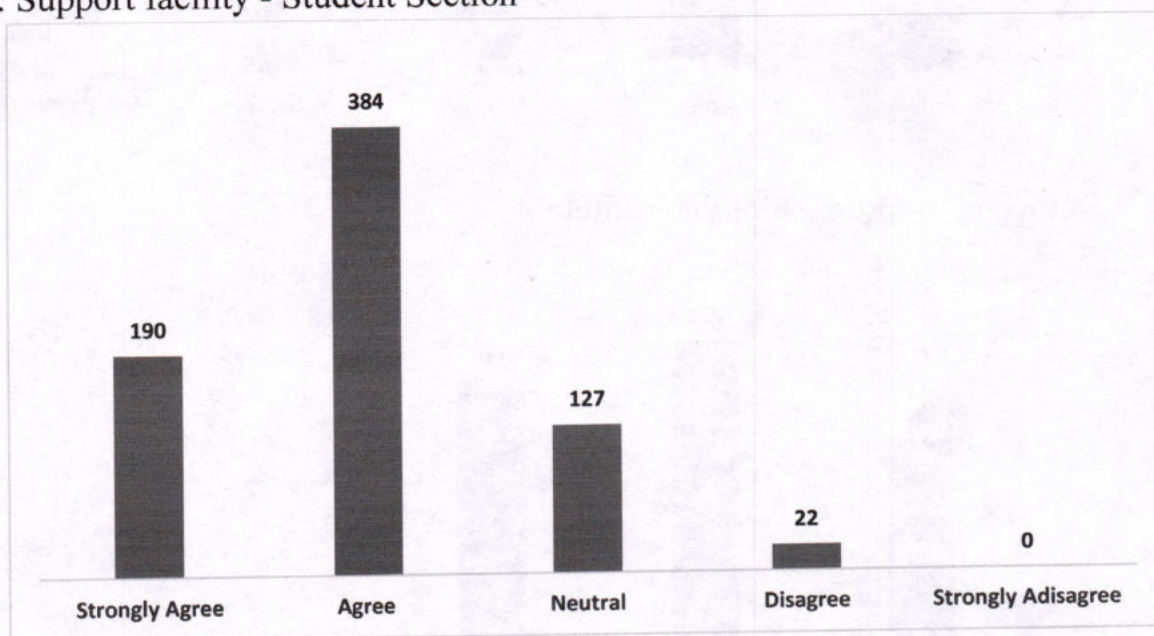
10. Counseling by mentor and motivation to participate in co-curricular and extra-curricular activities.



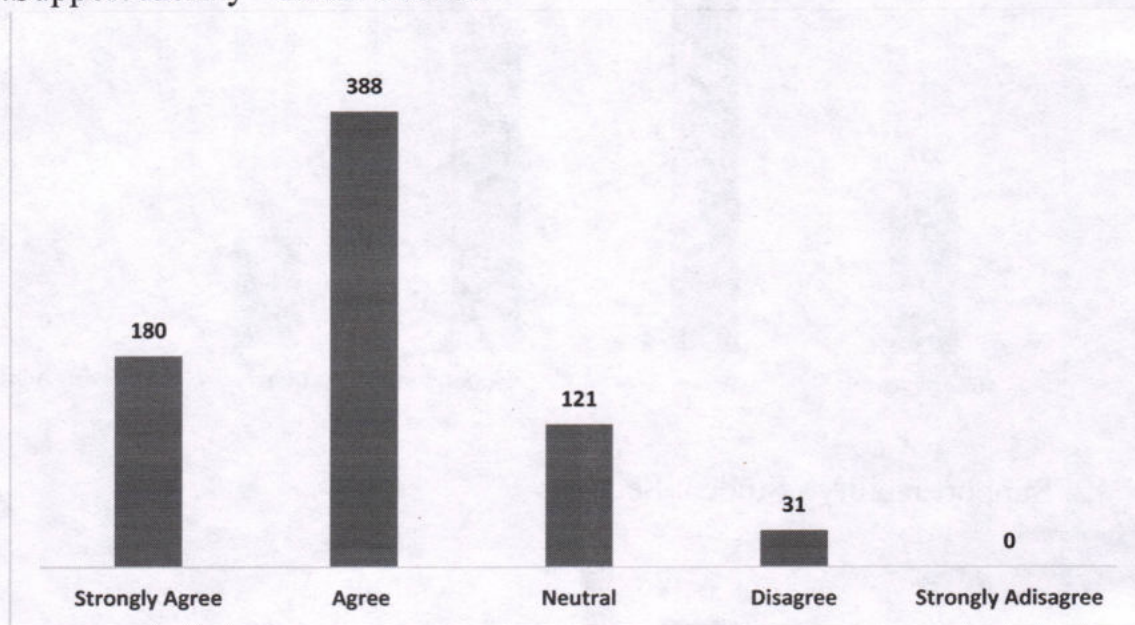
11. Availability of Medical/Counselling facility



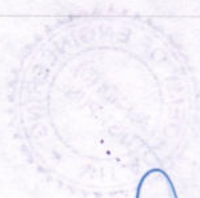
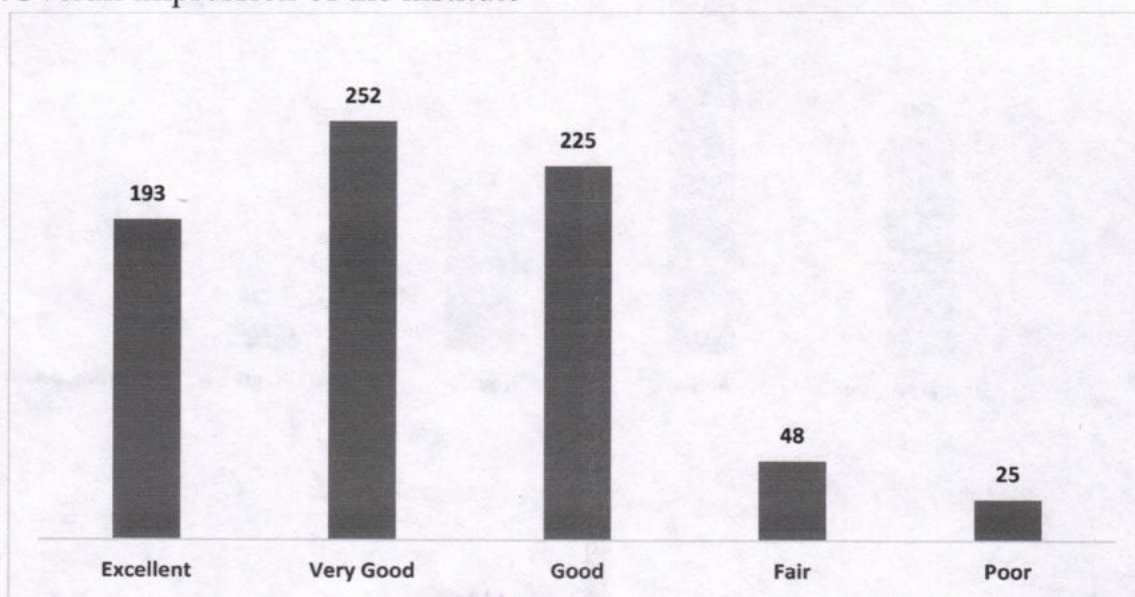
12. Support facility - Student Section



13.Support facility - Exam Section



14.Overall impression of the institute



Action Taken Report for Feedback on Infrastructure and Facilities

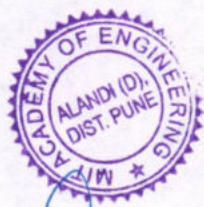
A.Y. 2022-23

Sr. No.	Issues related to Infrastructure and Facilities	Action Taken
1	Wi-Fi should be provided in each wing	Wi-Fi is made available in each academic wing
2	Lunch Time in Canteen should be increased	Lunch break is given in staggered timing.
3	Sports Facilities should be provided	Indoor as well as outdoor sports facilities are available to students. A separate sports slot is made available in the time table.
4	PCs are not working properly	Old computers are replaced with newly purchased computers in Computer Engineering, Electronics and Telecommunication Engineering.
5	Drinking water quality should be improved	RO Plant maintenance is done to maintain drinking water quality
6	Washrooms should be cleaned	Washrooms cleaning is scheduled thrice a day



Annexure-III: Academic Audit

School	Details
Chemical	Academic audit of school of chemical engg was conducted on 7th April 2023 and detailed is mentioned in above report. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Chemical.pdf</u>
Civil	Academic audit of school of Civil engg was conducted on 21 April 2023. Action Taken Report- <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Civil.pdf</u>
Computer	Academic audit of school of computer engg was conducted on 7 April 2023. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Computer.PDF</u>
Electrical	Academic audit of school of computer engg was conducted on 6 April 2023. <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Electrical.PDF</u>
Mechanical	Academic audit report School of Mechanical Engineering <u>..\..\Academic Monitoring\Academic Audit Reports-2022-23-Term-II\Mechanical.pdf</u>



Annexure-IV: Details of SLIP

Department SLIP Status	COMP	IT	E&TC	ETX	MECH	CIVIL	CHEM
Final Year Students Strength	189	85	152	28	215	65	68
SLIP Confirmed students	88	38	77	14	111	40	39
SLIP In-Process students	0	0	73	18	0	0	0
Maximum Stipend	110000	98000	33000	25000	20000	12000	20000
Minimum Stipend	0	0	0	0	0	0	0



Annexure-V: Status of Strategic Plan (Quarter-3, 2022-23)

A. Teaching Learning Process

Key Performance Indicators	Target	Quarter - III Status
Curriculum Flexibility (% of Credits)	22	35
Curriculum Revision (% of Contents)	25	25
Expert Talk	100	75
Skill Courses	25	32
Laboratory Collaboration	3	0
Faculty Development Programs	7	8
Professional Courses (per faculty)	200	150
Assessment Reform (% of Credits)	10	10
Digital Content Creation (No. of Courses/%)	10	10
Professional Certificate Courses	3	3

B. Research & Consultancy

Key Performance Indicators	Targets	Quarter-III Status
Research Funding and Grants		
Seed Money	2	Rs. 4,50,000 sanctioned
(No. of projects/program)		11 Proposals approved
External Funding (Per program)	2	Rs. 10,000 recd
Total per program	4	
Research Publications scopus / SCI indexed (Nos.)		
International Journals (Nos.)	25	66
National Journals (Nos.)	5	01
International / National Conferences - (Nos.)	70	46
Book Chapters (Nos.)	10	6
Total (Nos.)	110	96

B. Research & Consultancy

Key Performance Indicators	Targets	Quarter-III Status
IPR (No. of Patents)	15	17
Consultancy		
Engineering Consultancy	8	1
Design Consultancy	4	0
Total	12	1



C. Students Support and Success

Key Performance Indicators	Target	Quarter-III Status
Employability- Training programs	10	10
SIP(Industry) – No. of students	450	In Process
SIP – No. of industry offers	400	In Process
SLIP – No. of students	200	407
SLIP – No. of industry offers	80	148
Placement – No. of students	480	467
Placement – No. industry offers	330	251
Placement - Average Salary (In Lakhs)	5.4	6.47

D. Enhanced Students Experience

Key Performance Indicators	22-23 Targets	Quarter-III Status
Competitions and Events Participation		
Technical Participation (Nos.)	350	385
Number of Technical competitions	35	35
Number of Technical Achievements	40	16
Total number of students participation in various student events	1500	965
Total number of students Achievements	80	55
Number of events / competitions to be participated	100	61
METAOE Club Events- Organization		
METAOE Clubs (Cumulative Nos.)	28	28
Club events (Cumulative Nos.)	150	67
National level technical event (Nos.)	2	2
Sports events (Nos.)	3	2
Youth events	TE Dx. Under 25	TE Dx.
Social Internship		
Number of Social Internships	2	0
Number of students	60	0

E. Enhanced Alumni Engagement

Enhanced Alumni Engagement	Target	Quarter - III Status
Alumni Activities	80	62
Alumni meet (school/institute level)	8	6
Alumni meet – Student involvement	800	535
Alumni - Sponsorship (Nos.)	7	8
Alumni – Internship / placement offers	80	70
Distinguished Alumni / Recognition Appreciation	7\ 40	12\33



F. People & Welfare (HR)

Faculty Strength (2022-2023) As on 9.6.2023

	Target	Status
6.1.1 Engineering (Faculty : Student Ratio) -	1:15	1:20
6.1.2 Design (Faculty : Student Ratio) -	1:10	1:10

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G. Entrepreneurship & Innovation Ecosystem (ED Cell)

Entrepreneurial & Innovation Ecosystem	Q3 Result
IE Awareness and Promotional activities	3
Networking	2
Upskilling and Outreach program	2
Alumni engagement activities	1
Project to Product (P2P) Transformation Program	0
No of student startup	2
Infrastructure and facilities -Incubatee Seating space	0
Patents at MITAOE EDF	1
Crazy quilt with mentor, investor and channel partner	4

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H. Sustainability

Key Performance Indicator	Targets	Quarter-III Status
Transport Pollution :Carbon Footprint Reduction (%)	8	2
Rain water harvesting (Nos)	1	NIL
Plastic Bottles purchased (Reduction %)	50	20
Paper printing (reduction %)	40	20
Paper recycling (increase %)	20	10
Food waste (reduction %)	25	20
Vermicompost (Increase %)	20	20
Land Scaping (Increase %)	20	5
Maintenance (reduction %)	20	NIL

52

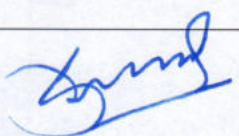
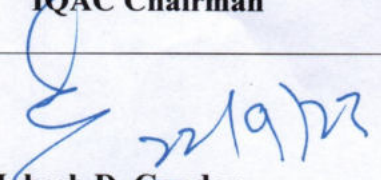


MIT Academy of Engineering (An Autonomous Institute)	Agenda of the Meeting		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	:	15th September 2023
	MEETING NO.	:	IQAC/2022-23/04

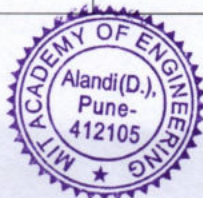
IQAC meeting 4 for the academic year 2022-23 is scheduled on Friday, 15th September 2023 at 2.30 pm in blended mode.

The agenda for the same is as follows:

1. To confirm the previous minutes of meetings (IQAC/2022-23/03) and review on action taken report
2. To discuss about Teaching-learning Process
3. To discuss about revision in the curriculum as per NEP 2020 (2023-24 Pattern)
4. To discuss the completion status of value added courses identified by schools for AY 2022-23
5. To discuss about slow and advance learner's methodology adopted and its implementation (2022-23)
6. To discuss about stakeholder's feedback on curriculum (2022-23)
7. To discuss about academic audits (2022-23)
8. To discuss about result analysis (2022-23)
9. To discuss about R&D activities (2022-23)
10. To discuss about T&P activities (2022-23)
11. To discuss about Alumni activities (2022-23)
12. To discuss about Students club activities (2022-23)
13. To discuss about accreditation status (NAAC & NBA)
14. To discuss about Entrepreneurship cell activity (2022-23)
15. To discuss about first admission and cut-off for year 2023-24
16. To discuss about the status of NAAC peer team visit preparation
17. Any other point with the permission of chair

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

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



MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF THE MEETING	
Alandi (D), Pune - 412 105	ACADEMIC YEAR	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	15 th September 2023
	MEETING NO.	IQAC/2022-23/04

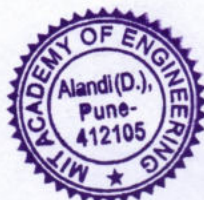
The agenda for the same is as follows:

- To confirm the previous minutes of meetings (IQAC/2022-23/03) and review on action taken report
- To discuss about Teaching-learning Process
- To discuss about revision in the curriculum as per NEP 2020 (2023-24 Pattern)
- To discuss the completion status of value added courses identified by schools for AY 2022-23
- To discuss about slow and advance learner's methodology adopted and its implementation (2022-23)
- To discuss about stakeholder's feedback on curriculum (2022-23)
- To discuss about academic audits (2022-23)
- To discuss about result analysis (2022-23)
- To discuss about R&D activities (2022-23)
- To discuss about T&P activities (2022-23)
- To discuss about Alumni activities (2022-23)
- To discuss about Students club activities (2022-23)
- To discuss about accreditation status (NAAC & NBA)
- To discuss about Entrepreneurship cell activity (2022-23)
- To discuss about first admission and cut-off for year 2023-24
- To discuss about the status of NAAC peer team visit preparation
- Any other point with the permission of chair

The fourth meeting of IQAC for academic year 2023 was held 15th September 2023, at 02.30 pm in blended mode.

The following members were present for the meeting,

1. Prof(Dr.). Mahesh Goudar
2. Prof(Dr.) Shitalkumar A Jain
3. Prof(Dr.) Balasaheb. Waphare



4. Prof.(Dr.) Sunita S. Barve(Online)
5. Prof. Sunilkumar M. Bhagat
6. Prof.(Dr.) Abhijeet Malge
7. Dr. Vaishali Wangikar(Online)
8. Prof.(Dr.) Prafulla Hatte
9. Mrs. Vandana Khandelwal
- 10.Mr. Pravin Pawar (Online)
- 11.Mr. Girish Bora (Online)
- 12.Dr. Suyogkumar Taralkar

Other Invitees

- 13.Dr. Pramod Kothmire (Online)
- 14.Mr. S. A. Khandekar
- 15.Dr. Aniket Gundecha
- 16.Dr. Sandeep P Shewale
- 17.Dr. P. D. Ganjewar

The leave of absence was granted to the following members

- 18.Prof.(Dr.) Anant Chakradeo
- 19.Mr. Yash Tajane
- 20.Mr. Saurabh Saha
- 21.Dr. Avinash Bhalerao
- 22.Dr. Arika Kotha
- 23.Dr. Shayam Shukla
- 24.Dr. Rajeshwari Goudar
- 25.Dr. Dipti Sakhare

To confirm the previous minutes of meetings (IQAC/2022-23/03) and review on action taken report

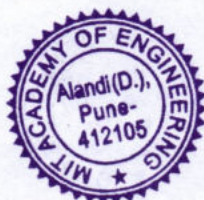
01

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-3, 2022-23, June 15, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.



02	<p>To discuss about Teaching-learning Process</p> <p>Discussion and Resolution: Deputy Director Academics presented the Teaching – Learning Process like - Academic Framework, Industry Engagement, and Teaching Learning Centre.</p> <p>Details are given in Annexure – I</p> <p>Responsibility: Deputy Director Academics, All School Deans</p>
03	<p>To discuss about revision in the curriculum as per NEP 2020 (2023-24 Pattern)</p> <p>Discussion and Resolution: Deputy Director Academics presented the Curriculum revision as per NEP 2020. MITAOE has implemented NEP2020 from academic year 2023-24 at first year.</p> <p>First Year: 2023-2024</p> <p>Basic Science Courses: 15 Credits</p> <p>Engineering Science Courses: 14 Credits</p> <p>Co-curricular course_1_Liberal Learning (SEM I): 1 Credits</p> <p>Co-curricular course_2_Creative Technology (SEM II): 2 Credits</p> <p>Indian Knowledge System (SEM I): 2 Credits</p> <p>Ability Enhancement Course English communication: 2 credits</p> <p>Program Specific Course: 6 Credits</p> <p>Vocational and Skill Enhancement Courses: VSEC 1</p> <p>Vocational and Skill Enhancement Courses: VSEC 2</p> <p>Program core courses: PCC 1</p> <p>Details are given in Annexure – II</p> <p>Responsibility: Deputy Director Academics, All School Deans</p>
04	<p>To discuss the completion status of value-added courses identified by schools for AY 2022-23</p> <p>Discussion and Resolution: Dean QA briefed about the completion status of value-added courses identified by schools for AY 2022-23. It is decided that each school needs to identify value-added courses for the academic year 2023-24.</p> <p>Details are given in Annexure-III</p> <p>Responsibility: Dy. Director AR, Dean QA, School Deans</p>



05	<p>To discuss about slow and advance learner's methodology adopted and its implementation (2022-23)</p> <p>Discussion and Resolution: Dean QA presented the slow and advance learner's methodology adopted and its implementation (2022-23). Similar type of procedure need to be adopted for academic year 2023-24.</p> <p>Details are given in Annexure – IV</p> <p>Responsibility: Dy. Director AR, Dean QA, All School Deans</p>
06	<p>To discuss about stakeholder's feedback on curriculum (2022-23)</p> <p>Discussion and Resolution: Dean QA briefed about the stakeholder's feedback on curriculum (2022-23). 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.</p> <p>Details of Feedback are given in Annexure – V</p> <p>Responsibility: Dy. Director AR, Dean QA, All School Deans, Registrar</p>
07	<p>To discuss about academic audits (2022-23)</p> <p>Discussion and Resolution: Dean QA presented the Internal & External academic audits (2022-23) details. All schools are requested to conduct academic audit for academic year 2022-23 by external members (as per standard guidelines).</p> <p>Details of academic audits given in Annexure – VI</p> <p>Responsibility: Dy. Director AR, All School Deans, Registrar</p>
08	<p>To discuss about result analysis (2022-23)</p> <p>Discussion and Resolution: Dean QA & IQAC Coordinator presented the Final Year result analysis (2022-23). More efforts must be taken by schools at first year level and even at higher levels for result without backlog.</p> <p>Details of result analysis given in Annexure – VII</p> <p>Responsibility: Dy. Director AR, COE, All School Deans</p>



To discuss about R&D activities (2022-23)

Discussion and Resolution: Dean R&D presented the R&D activities like Paper Publications, Conference Presentations, Patents Filed etc. Following are the details of R&D activities.

Publication:

School	Journal Publications			Conference Publications		
	Scopus	SCI	Other (UGC Care)	Scopus	SCI	Other (UGC Care)
Chemical	4	3	0	1	1	0
Civil	5	0	5	3	0	0
Computer	10	4	9	11	0	1
Elect. & Tele. Comm.	4	3	0	13	0	0
Mechanical	11	5	0	3	0	0
Humanities and Engg Sci.	2	0	2	0	0	0
Design	0	0	0	0	0	0
Total	34	15	16	31	1	1

09

Seed Money:

School	Seed Money	
	No. of Projects	Seed Money Amount (Rs)
Chemical	1	20,000
Civil	2	46,000
Computer	0	0
Elect. & Tele. Comm.	1	35,000
Mechanical	7	34,9000
Humanities and Engg Sci.	0	0
Design	0	0
Total	11	4,50,000



Patent

School	Patents		
	No. of patents filed	Funding from Institute (Rs.)	No. of Patents Granted
Chemical	0	4,51,850	0
Civil	0		0
Computer	5		0
Elect. & Tele. Comm.	1		0
Mechanical	11		1
Humanities and Engg Sci.	0		0
Design	0		0
Total			

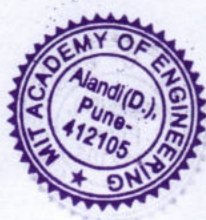
Responsibility: Dean R&D, School Deans**To discuss about T&P activities (2022-23)****Discussion and Resolution:** Deputy Director CR presented the Training & Placement Detailed

Bifurcation as per courses

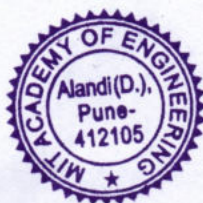
2022-23: 601/ 676 (with multiple offers)

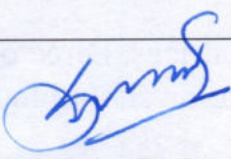

	Computer Engineering	Information Technology	Electronics & Telecom Engineering	Electronics Engineering	Mechanical Engineering	Civil Engineering	Chemical Engineering
Registration	138	77	130	25	197	49	60
No. Placement (multiple offer)	145	63	113	16	177	32	55
No. Placement (Single Offer)	110	51	100	15	140	27	46
% Placement (Single offer)	79.71	66.23	76.92	60	71.06	55.10	76.66

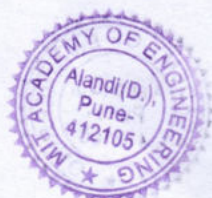
Details are given in Annexure VIII**Responsibility:** Dy Director CR**To discuss about Alumni activities (2022-23)****Discussion and Resolution:** Alumni Coordinator presented the Alumni activities (2022-23) & Status of Strategic plan for 2022-2023.**Details are given in Annexure IX****Responsibility:** Alumni Coordinator



12	<p>To discuss about Students club activities (2022-23) Discussion and Resolution: Dean SA presented the details of student activities & Status of Strategic plan for 2022-2023. Details are given in Annexure X Responsibility: Dean SA</p>
13	<p>To discuss about accreditation status (NAAC & NBA) Discussion and Resolution: Dean QA informed all members about the NBA and NAAC accreditation status. NBA: UG Civil Proposed dates for NBA Expert Committee Visit: 15/09/2023 - 16/09/2023 29/09/2023 - 30/09/2023 06/10/2023 - 07/10/2023 27/10/2023 - 28/10/2023 03/11/2023 - 04/11-2023 Two internal mock audits are completed Remarks: Documents updating suggested An external Mock audit is planned in the month of Sep 2023. NAAC: Proposed dates for Peer Team visit: 03/10/2023 - 04/10/2023 19/10/2023 - 20/10/2023 06/11/2023 - 07/11/2023 Two Mock Audits are completed. 1. Prof. Sandeep Lokhande 2. Dr. P. B. Mane Remarks: Documents updating as per qualitative matrices, Director presentation should be focusing on Qualitative matrices, IQAC presentation should focus on quality initiatives Two more mock audits are planned in the month of September-October 2023. Responsibility: Director, Deputy Director, Registrar, Dean QA, All School Deans, NBA Coordinator.</p>
14	<p>To discuss about Entrepreneurship cell activity (2022-23) Discussion and Resolution: Dean QA & IQAC Coordinator presented the entrepreneurship cell activity (2022-23). Details are given in Annexure XI Responsibility: ED Cell</p>



15	<p>To discuss about first Year admission and cut-off for year 2023-24</p> <p>Discussion and Resolution: Dean QA & IQAC Coordinator presented the first Year admission and cut-off for year 2023-24.</p> <p>Details are given in Annexure XII</p> <p>Responsibility: Registrar, All School Deans.</p>
16	<p>To discuss about the status of NAAC peer team visit preparation</p> <p>Discussion and Resolution: Dean QA & IQAC Coordinator presented the NAAC peer team visit preparation.</p> <p>Criteria-wise Document Updating</p> <p>Director presentation</p> <p>IQAC Presentation</p> <p>School Dean/HOD Presentation</p> <p>Signage etc.</p> <p>Responsibility: Director, Deputy Director, Registrar, All School Deans, HOD.</p>
17	<p>Any other point with permission of the chair</p> <p>IQAC – Coordinator & Dean QA proposed the vote of thanks to the all members by expressing gratitude for their active participation in the entire proceedings of the meeting.</p>
<p>IQAC Coordinator</p>	
<p></p> <p>Dr. Suyogkumar V. Taralkar IQAC – Coordinator, Dean QA</p> <p>IQAC Co-ordinator MIT Academy of Engineering Alandi (D.), Pune-412 105.</p>	
<p>IQAC Chairman</p>	
<p></p> <p>Dr. Mahesh D Goudar IQAC - Chairman</p>	



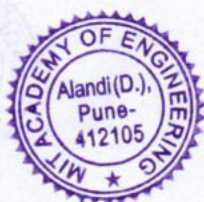
Annexure-I: Teaching-learning Process

1	Teaching Learning Process	Target	Achieved Total
1.1 Academic Framework			
1.1.1	Curriculum Flexibility (% of Credits)	22	35
1.1.1	Curriculum Revision (% of Contents)	25	25
1.2 Industry Engagement			
1.2.1	Expert Talk	100	100
1.2.1	Skill Courses	25	32
1.2.3	Laboratory Collaboration	3	1
1.3 Teaching Learning Centre			
1.3.1	Faculty Development Programs	7	9
1.3.2	Professional Courses (per faculty)	2	2
1.3.3	Assessment Reform (% of Credits)	10	10
1.3.4	Digital Content Creation (No. of Courses)	10	10
1.3.5	Professional Certificate Courses	3	3

Annexure-II: Revision in the curriculum as per NEP 2020 (2023-24)Pattern

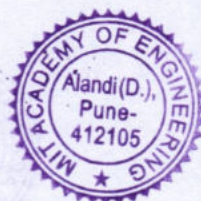
SEMESTER WISE
CREDIT DISTRIBUTION
STRUCTURE FOR
UG ENGINEERING
PROGRAMME

Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits
Basic Science Course	BSC/ESC	06-08	08-10		--	--	--	--	--	14-18
Engineering Science Course		10-08	06-04		--	--	--	--	--	16-12
Programme Core Course (PCC)	Program Courses	--	02	08-10	08-10	10-12	08-10	04-06	04-06	44-56
Programme Elective Course (PEC)		--	--	--	--	04	08	02	06	20
Multidisciplinary Minor (MD M)	Multidisciplinary Courses		-	02	02	04	02	02	02	14
Open Elective (OE) Other than a particular program		--	--	04	02	02	--	--	--	08
Vocational and Skill Enhancement Course (VSEC)	Skill Courses	02	02	--	02	--	02	--	--	08
Ability Enhancement Course (AEC -01, AEC-02)	Humanities Social Science and Management (HSSM)	02	--	--	02	--	--	--	--	04
Entrepreneurship/Economics/Management Courses		--		02	02	--	--	--	--	04
Indian Knowledge System (IKS)			02		--	--	--	--	--	02
Value Education Course (VEC)		--	--	02	02	--	--	--	--	04
Research Methodology	Experiential Learning Courses	--	--	--	--	--	--		04	04
Comm. Engg. Project (CEP)/Field Project (FP)		--	--	02	--	--	--	-	-	02
Project		--	--	--	--	--	--		04	04
Internship/ OJT		--	--			--	--	12	-	12
Co-curricular Courses (CC)	Liberal Learning Courses	02	02		--	--	--	--	-	04
Total Credits (Major)		20-22	20-22	20-22	20-22	20-22	20-22	20-22	20-22	160-176



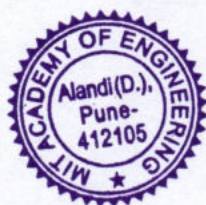
SEMESTER: I [(CHEMICAL, CIVIL, COMPUTER, COMPUTER[SOFTWARE ENGINEERING])]												
Universal Human Values (Induction Program)												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS					CRED. IT	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT/TUT			TOTAL
			L	P	T	IA	MSE	FSE	CA	D/P		
BSC	2301101	Calculus and Differential Equations	3	-	1	30	20	50	20	30	150	4
BSC	2301102	Engineering Physics	2	2	-	15	20	40	20	30	125	3
ESC	2307101	Electrical and Electronics Engineering	2	2	-	15	20	40	20	30	125	3
FSC	2304101	Foundations of Computing	2	2	-	15	20	40	20	30	125	3
VSEC	2303161	Computer-Aided Engineering Drawing	0	4	-	-	-	-	35	40	75	2
	2305161	Computer-Aided Engineering Drawing	0	4	-	-	-	-	35	40		
	2304161	Linux Fundamentals and Programming	1	2	-	35	-	-	-	40		
	2310161	Linux Fundamentals and Programming	1	2	-	35	-	-	-	40		
HSSM AEC	2301171/2/3/4	Communication Skills (English/ German/Japanese/ French)	-	4	-	-	-	-	35	40	75	2
CC	2301182	Liberal Learning	-	2	-	-	-	-	-	50	50	1
HSSM IKS	2303181	Indian Knowledge System (Ancient Indian Architecture and Town Planning)	2	-	-	15	20	40	-	-	75	2
	2305181	Indian Knowledge System (Indian Heritage Textiles)		-	-	15	20	40	-	-		
	2304181	Indian Knowledge System[Vedic Mathematics]		-	-	15	20	40	-	-		
	2310181	Indian Knowledge System[Vedic Mathematics]		-	-	15	20	40	-	-		
TOTAL			12	16	1						800	20

SEMESTER: II (CHEMICAL, CIVIL, COMPUTER, COMPUTER[SOFTWARE ENGINEERING])												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CREDI T
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TOTAL	
			L	P	T	IA	MSE	ESE	CA	D/P		
BSC	2301103	Statistics and Integral Calculus	3	-	1	30	20	50	20	30	150	4
BSC	2301104	Science of Nature	3	2	-	30	20	50	20	30	150	4
ESC	2304102	Essentials of Data Science	2	2	-	15	20	40	20	30	125	3
ESC	2303101	Applied Mechanics	2	2	-	15	20	40	20	30	125	3
ESC	2309101	Design Thinking	1	2	-	35	-	-	-	40	75	2
VSEC	2303162	Surveying and Geomatics	1	2	-	35	-	-	-	40	75	2
	2305162	Computer Aided Chemical Engineering	1	2	-	35	-	-	-	40		
	2304162	Data Visualization using Tableau	1	2	-	35	-	-	-	40		
	2310162	Data Visualization using Tableau	1	2	-	35	-	-	-	40		
PCC	2303111	Basics of Civil Engineering	2	-	-	15	20	40	-	-	75	2
	2305111	Chemical Process Calculations	2	-	-	15	20	40	-	-		
	2304111	Discrete Structure	2	-	-	15	20	40	-	-		
	2310111	Discrete Structure	2	-	-	15	20	40	-	-		
CC	2301183	Creative Technologies	1	2	-	35	-	-	-	40	75	2
TOTAL			15	12	1						850	22



SEMESTER: I (ELECTRONICS, ENTC, MECHANICAL)													
Universal Human Values (Induction Program)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CREDIT	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TOTAL		
			L	P	T	IA	MSE	ESE	CA	D/P			
BSC	2301101	Calculus and Differential Equations	3	-	1	30	20	50	20	30	150	4	
BSC	2301104	Science of Nature	3	2	-	30	20	50	20	30	150	4	
ESC	2304101	Foundations of Computing	2	2	-	15	20	40	20	30	125	3	
ESC	2303101	Applied Mechanics	2	2	-	15	20	40	20	30	125	3	
ESC	2309102	Design Thinking	1	2	-	35	-	-	-	40	75	2	
VSEC	2306161	Electronics Workshop	1	2	-	35	-	-	-	40	75	2	
	2307161	Electronics Workshop	1	2	-	35	-	-	-	40			
	2309161	Computer Aided Engineering Drawing	0	4	-	-	-	-	35	40			
CC	2301212	Liberal Learning	-	2	-	-	-	-	-	50	50	1	
HSSM IKS	2306181	Indian Knowledge System(Vedic Mathematics)	2	-	-	15	20	40	-	-	75	2	
	2307181	Indian Knowledge System(Vedic Mathematics)	2	-	-	15	20	40	-	-			
	2309181	Indian Knowledge System(Indian Metallurgy)	2	-	-	15	20	40	-	-			
TOTAL			14	14	1						825	21	

SEMESTER: II (ELECTRONICS, ENTC, MECHANICAL)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CREDI T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TOTAL		
			L	P	T	IA	MSE	ESE	CA	D/P			
BSC	2301103	Statistics and Integral Calculus	3	-	1	30	20	50	20	30	150	4	
BSC	2301102	Engineering Physics	2	2	-	15	20	40	20	30	125	3	
ESC	2307101	Electrical and Electronics Engineering	2	2	-	15	20	40	20	30	125	3	
ESC	2303101	Essentials of Data Science	2	2	-	15	20	40	20	30	125	3	
VSEC	2306162	Interfacing Sensors and Actuators	1	2	-	35	-	-	-	40	75	2	
	2307162	Interfacing Sensors and Actuators	1	2	-	35	-	-	-	40			
	2309162	Fab Lab	-	4	-	-	-	-	35	40			
PCC	2306111	Logic Sensing and Actuation	2	-	-	15	20	40	-	-	75	2	
	2307111	Logic Sensing and Actuation	2	-	-	15	20	40	-	-			
	2309111	Manufacturing Processes	2	-	-	15	20	40	-	-			
HMMS AEC	2301171/2/3/4	Communication Skills (English/German/ Japanese/ French)	-	4	-	-	-	-	35	40	75	2	
CC	2307131	Creative Technologies	1	2	-	15	20	40	-	-	75	2	
TOTAL			13	16	1						825	21	



Annexure-III: Value-added courses

School	First Year		Second Year		Third Year	Final Year		
	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited
Chemical	Nil	Nil	Nil	Nil	Aspen hysis	69	Bridge the gap (Aspen Plus & Aspen Hysis)	29
Civil	-	-	Revit Certification Course	45	FUEL Full stack development	13	Nil	Nil
Computer	Nil	Nil	CPP Core java	156	RHL I II	85	Android Application Development AWS	54
				68	WT	177		
					RHL-II	125		
					.net	44		
Elect. & Tele. Comm.			Skill Development course Java	180	1.FUEL Full stack development	1.120	I	60
					2.Infosys Springboard Data Science	2.60		
Mechanical			Nil	Nil	Java	67	Nil	Nil
					PhP/CSS/HTML	67		
Design	History of design	76	History of design	56	History of design	30		

Annexure – IV Slow and advance learners

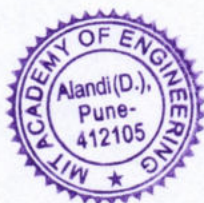
School	Methodology adopted		Effectiveness of methodology	
	Slow learners	Advanced Learners	Slow learners	Advanced Learners
Chemical	Conduction of concept test by class teacher Conduction of remedial classes for slow learners https://drive.google.com/file/d/1BtEYOuw4aVgJ2X7Q6y4YFy8hBIWlp8lq/view?usp=sharing	Conduction of concept test by class teacher Motivated to participate in Technical events https://drive.google.com/file/d/1BtEYOuw4aVgJ2X7Q6y4YFy8hBIWlp8lq/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1VQoBGhgG149dLr3khNCmtbARiYfsRiYfsm70/view?usp=sharing	More Prize winning in technical events 1. https://drive.google.com/file/d/1VQoBGhgG149dLr3khNCmtbARiYfsRiYfsm70/view?usp=sharing 2. https://drive.google.com/file/d/1uX9hNfmayAl6WCb0eCAoSzjaL_U2EfE0/view?usp=sharing
Civil	Conduction of concept test by class teacher. Conduction of remedial classes for slow learners. https://drive.google.com/file/d/1yrnHYaEgGXyXVw92AR6MPTIdnsDYSoBt/view?usp=sharing https://drive.google.com/file/d/1JzNz8he8aHm3Kgyz0fb_gX58FIpeW3ct/view?usp=sharing	Conduction of concept test by class teacher. Motivated to participate in Technical events. https://drive.google.com/file/d/1yrnHYaEgGXyXVw92AR6MPTIdnsDYSoBt/view?usp=sharing https://drive.google.com/file/d/1JzNz8he8aHm3Kgyz0fb_gX58FIpeW3ct/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1q2K520S5kL_JewHrRDCIrgNOXGjCX0q5/view?usp=sharing https://drive.google.com/file/d/1SLA-mu3FvHC5IHCAf7tf5UpHGV-Uqmh3/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1q2K520S5kL_JewHrRDCIrgNOXGjCX0q5/view?usp=sharing https://drive.google.com/file/d/1SLA-mu3FvHC5IHCAf7tf5UpHGV-Uqmh3/view?usp=sharing



Computer	1. Counselling, 2. Separate activities / <u>Assignments</u>	1.Encouragement to students towards Advance topics, research, competitions, Patents etc. 2.Separate activities / <u>Assignments</u> 3. Special Interactions	Improvement in getting <u>internship, placement</u>	prize winning in national and state level events <u>SIH</u> <u>Graham Bell</u>
Elect. & Tele. Comm.	1.Prerequisite Course Test Result 2.Previous Year Result 3.Theory & Lab Class Response 4.Assignment/ Activity – I 5.Counselling	1.Previous Year Result 2.Theory & Lab Class Response 3.Assignment/ Activity – I 4. Through Counselling & Project- motivate for research paper, Technical Event, Patent	Improvement in Results, Project and Placement	1.Student research paper enhanced 2.Participation in technical events with winning prizes. 3.Higher Studies improved 4.Placement in the core company and with incense pack.
School	Methodology adopted		Effectiveness of methodology	
	Slow learners	Advanced Learners	Slow learners	Advanced Learners
Mechanical	Identification of the slow students by the assessment of precourse/survey or MSE marks, extra learning material is given through notes , moodle etc. https://drive.google.com/file/d/1pyim0usTDopJ8Nn7cA0XzpKh1RENfq1/view?usp=drive_link	For advanced learners are encouraged to participate in project based competitions and for various technical events like Carting and racing SAE events. https://drive.google.com/file/d/1XvLzmx5Yc2sEFmkE6Zr_gQ5dOXTOf3K6/view?usp=drive_link	Improvement in results.	
Design	More personal inputs, extra time given to complete work, relatively simpler assignments	Additional responsibility to lead group for its contents, support slow learners as peer input	Improved confidence in execution & presentation	Better understanding of concepts and team management skills

Annexure – V Stakeholder's feedback on the curriculum

School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Chemical	Include data science in chem engg	Included in new pattern 22 https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5vvy1M4-/view?usp=sharing	Include LCA course	Included in honors programme https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5vvy1M4-/view?usp=sharing	More of practical based content with current ongoing industrial process..	considered and relevant skill lab (CFD, EDR) practical component https://docs.google.com/spreadsheets/d/15i8XUxJ3xh00qZg2rfAXJCmIcJzIOOnF/edit?usp=sharing&oid=101804389148389466877&rtpof=true&sd=true	More skill and elective based courses should be included	Included in honors programme https://docs.google.com/spreadsheets/d/15i8XUxJ3xh00qZg2rfAXJCmIcJzIOOnF/edit?usp=sharing&oid=101804389148389466877&rtpof=true&sd=true
Civil	Requires more site visits	https://drive.google.com/file/d/1dKo7MImEcghoJcKgiGTnbhpuAiefvFQp/view	Allowing students to customize their learnings based on their interest carrier goals	https://drive.google.com/file/d/1dKo7MImEcghoJcKgiGTnbhpuAiefvFQp/view	Tekla software need to be added in curriculum as industry widely using this software	https://drive.google.com/file/d/1dKo7MImEcghoJcKgiGTnbhpuAiefvFQp/view	Students get more practical knowledge due to internship	https://drive.google.com/file/d/1dKo7MImEcghoJcKgiGTnbhpuAiefvFQp/view



School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Computer	Feedback was taken on curriculum through course exit feedback	https://drive.google.com/file/d/1ssDU-7WwTKpkT6qhOV5XMkn5BzCpqPU/view?usp=drive_link	Suggested to include problem solving sessions in lab courses	https://drive.google.com/file/d/1ssDU-7WwTKpkT6qhOV5XMkn5BzCpqPU/view?usp=drive_link	Industry oriented new courses can be added	https://drive.google.com/file/d/1ssDU-7WwTKpkT6qhOV5XMkn5BzCpqPU/view?usp=drive_link	Industry oriented new courses can be added	https://drive.google.com/file/d/1ssDU-7WwTKpkT6qhOV5XMkn5BzCpqPU/view?usp=drive_link
Elect. & Tele. Comm.	Feedback was taken on curriculum through course exit feedback	As per the suggestion in Teaching Learning changes carried. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVi9Nd692oM7d3rL?usp=sharing	Need to add content related to IoT, STM needs to upgrade as per the industry requirements, Skill Courses need to add	IIoT included in new course EI at SY level, STM is included in course content, Skill courses added and Industry experts are appointed for teaching the courses. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVi9Nd692oM7d3rL?usp=sharing	Training on SQL, Cloud, IoT	SQL Training arranged, Cloud courses included in the curriculum, IoT-based workshop and guest lectures arranged https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVi9Nd692oM7d3rL?usp=sharing	Product implementation-based topics included in the curriculum, Cyber security needs to add, EDA tool can be part of lab sessions, Verilog, System Verilog, UVM can be covered in the VLSI course.	Design thinking course included in the new curriculum. The electronic workshop is the course help student for product development. EDA tool and Verilog covered in curriculum. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVi9Nd692oM7d3rL?usp=sharing

School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Mechanical	More emphasis on practical and skill courses may be given, employability courses may be added.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwg/view?usp=sharing	Industry visits and trainings need to be increased.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwg/view?usp=sharing	Need more research and practical related orientation programmes	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwg/view?usp=sharing	Project based learning may be promoted. Industry -Institute interaction should be increased.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwg/view?usp=sharing
Humanities and Engg Sci.	-	-	-	-	Skill based courses to be introduced	https://drive.google.com/file/d/1o4nWt8x4JLKfGfLAy5Pp5ig8bcTBf9Oy5/view?usp=sharing	Recent trends to be added	https://docs.google.com/spreadsheets/d/1G-hITKhPzePy-lqCfmoh2vRfP1UzBMw5SdUo1Xit8_4/edit?usp=sharing
Design	Students expect more methodical/ structured input in every course	Preparing F1-F3 before course is helping faculties build this	Not getting sufficient time for course preparation.	Trying to find out 1-2 hours per week for self study	NA	NA	Including assignments based on newer technologies, Early exposure to emerging technologies	Included assignments based on smart products/technologies in PROJECTs in 3rd & 4th year



Annexure – VI Academic audits (2022-23)

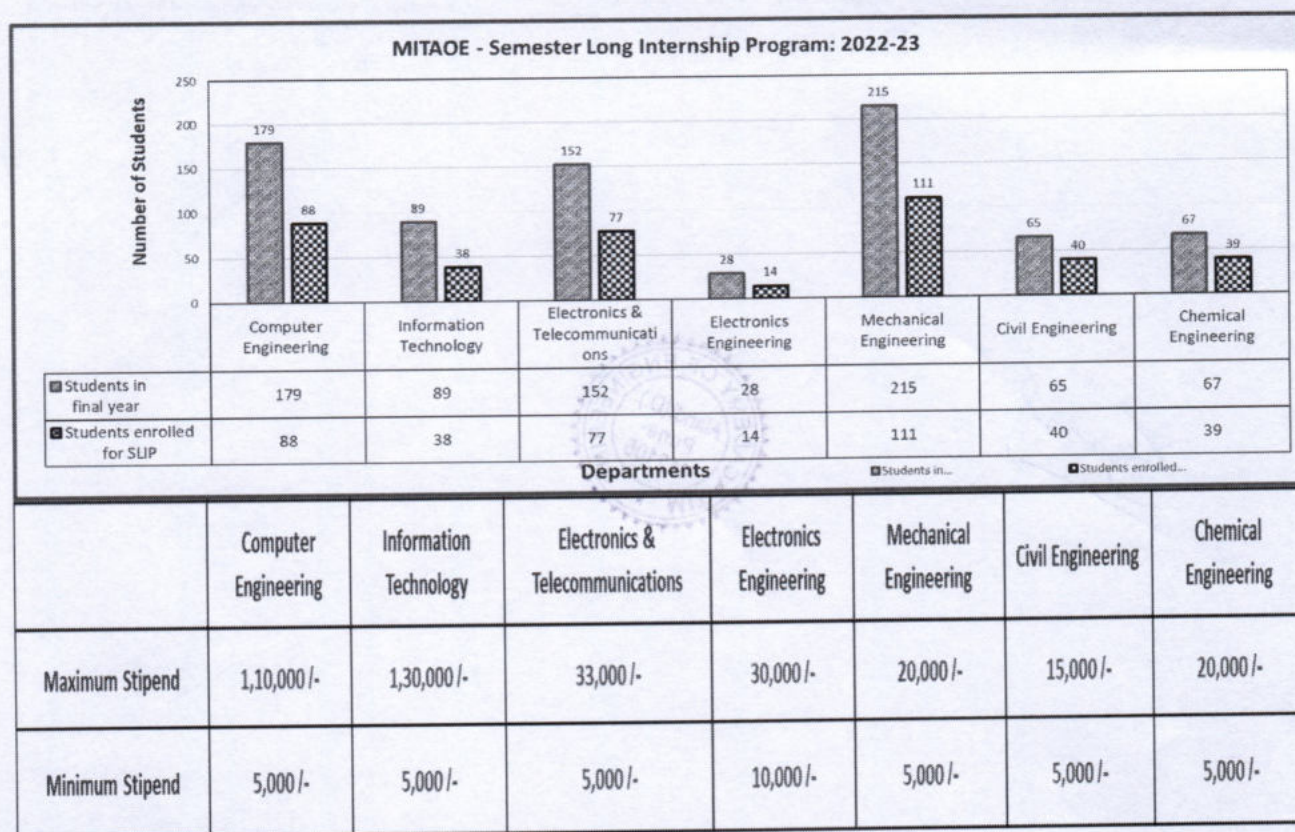
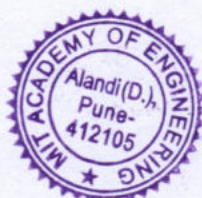
School	Internal		External	
	Date of Audits	Observations/suggestions	Date of Audits	Observations/suggestions
Chemical	ISO Internal Audit was completed on: 10/1/2023	https://drive.google.com/file/d/1NwHA8XMh14JmX31ZsoBvVq1mPDkZRMiSe/view?usp=sharing	7/4/2023	https://drive.google.com/file/d/1D3UQXF6fmKltptLKDYf3FtSYmwq2T77/view?usp=sharing
Civil	ISO Internal Audit was completed	https://drive.google.com/file/d/1tN3eqd9l-9Z1H7HMiBbfktThqzg-76-/view?usp=drive_link	21/04/2023	https://drive.google.com/file/d/1hWt2TiqBrPFR09rvmOepugcEn9GNliC/view?usp=drive_link
Computer	ISO Internal Audit was completed		17/03/2023	https://drive.google.com/file/d/1eySumoNXumkCPnxvgcmkNC_qMY4C0Fkj/vi ew?usp=drive_link

School	Internal		External	
	Date of Audits	Observations/suggestions	Date of Audits	Observations/suggestions
Elect. & Tele. Comm.	ISO Internal Audit was completed on: 01/09/2023	Teaching Learning Process Found OK, All documents are maintained properly.	06/04/2023	https://drive.google.com/drive/folders/1M08KfN0h0a5MeFHpVj9Nd692oM7d3rL?usp=sharing
Mechanical	ISO Internal Audit was completed on: 19/1/2023	https://drive.google.com/file/d/1cN8d4Eoc0C6sibNjFUS7i97cJ4RmAPty/view?usp=sharing	12/4/2023	https://drive.google.com/file/d/1KXjCYbV5zDCsXngEZLGn h2tROq2iof/view?usp=sharing
Humanities and Engg Sci.	ISO Internal Audit was completed		To be conducted in Last week of September	
Design	Internal review happens Every fortnight	Suggestions are minutes and considered for next sem courses or next year's courses	Jury feedback is equivalent to external audit for PD, CD & UX as students present all courses of that semester to external jury. External juries are always from Industry only.	feedback/suggestions are received as email from external jury. Inputs are considered for next semester courses.



Annexure – VII Result analysis

School	First Year		Second Year		Third Year		Final Year	
	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)
Chemical	NA	NA	36	95	45	97	52	97
Civil	NA	NA	66.67	93.54	42.42	92.42	93.85	93.50
Computer	NA	NA	60	95	76.02	98.60	94.74	100
Elect. & Tele. Comm.	NA	NA	38	60	89.6	98	90	100
Mechanical	NA	NA	41.5	92	43.56	90	76.45	95
Humanities and Engg Sci.	50.65	82.45	NA	NA	NA	NA	NA	NA
Design	93	100	94	100	93	100	NA	NA

Annexure VIII T&P Activities: Placement


T&P Activities: Student Support & Progression

Sr. No.	Students Support & Success	Target	2022-23
1	Employability- Training programs	10	12
2	SIP(Industry) – No. of students	450	684
3	SIP – No. of industry offers	400	208
4	SLIP – No. of students	200	407
5	SLIP – No. of industry offers	80	148
6	Placement – No. of students	480	601
7	Placement – No. industry offers	330	278
8	Placement - Average Salary (in Lakhs)	5.4	6.05

Annexure IX Alumni activities

• Alumni Contributions:

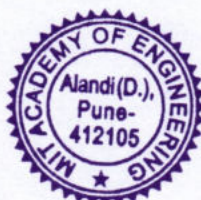
- Mr. Akash Dubal, Sr. Manager, Acrayton Ltd. Chakan, Alumni 2017 Mechanical provided sponsorship of Rs 80000 in terms of Machining Operations i.e. welding to Niyudrath and Go Karting club.
- Mr. Kaustubh Marudwar, CEO Kaustubh Enterprises Bhosari, Alumni 2017 Mechanical, I provided sponsorship of Rs 65000 in purchasing the sheet metal for development of cars of Niyudrath and Go Karting club.
- Ms. Payal Mhaske, Mr. Sarang More, Ms. Ankita Deshmukh, Mr. Amitkumar Mishra, and Mr. Charahus Naigonkar sponsored for SCICON MITAOE for the Awards.
- PRAKALP event was organized on the 10th and 11th of March 2023. It was a national-level paper and poster competition. The following Alumni provided the sponsorship:
 - Mr. Grish Kadam 10,000/- Director, Fidel Engineers Pvt. Ltd. Pune
 - Mr. Basavraj Patil 10,000/- Director, Hub India Pvt Ltd.

Alumni activities

Alumni met at International Level: Hyde Park London on 8 July 2023



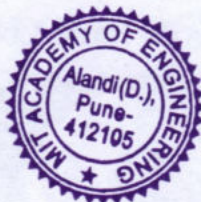
MITAOE Alumni Association conducted Alumni meet at Hyde Park London on 8th July 2023 for the alumni who are around the city. Prof. Dr. Yogesh Bhalerao and Prof. Dr. Sunita Barve madam have attended the meeting in physical mode. Director Prof. Dr. Mahesh Goudar along with all Deans and Alumni coordinators.



Key Performance Indicators	Target	Achieved
Alumni Activities	80	81
Alumni meet (school/institute level)	8	8
Alumni meet – Student involvement	800	720
Alumni - Sponsorship (Nos.)	7	8
Alumni – Internship / placement offers	80	74
Distinguished Alumni – Recognition	7	12
Appreciation	40	33

Annexure X Students club activities (2022-23)

Key Performance Indicators	22-23 (Targets)	Achievement	Key Performance Indicators	22-23 (Targets)	Achievement
Competitions and Events Participation			MITAOE Club Events- Organization		
Technical- Participation (Nos.)	350	189	MITAOE Clubs (Cumulative Nos.)	28	28
Number of Technical Competitions	35	19	Club events (Cumulative Nos.)	150	67
Number of Technical Achievements	45	19	National level technical event (Nos.)	2	2
Total number of students participation in various student events	1500	1060	Sports events (Nos.)	3	3
Total number of students Achievements	80	58	Youth events	TEDx, Under25	TEDx
Number of events / competitions to be participated	100	69	Social Internship Number of Social internships	2	0

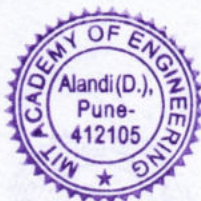


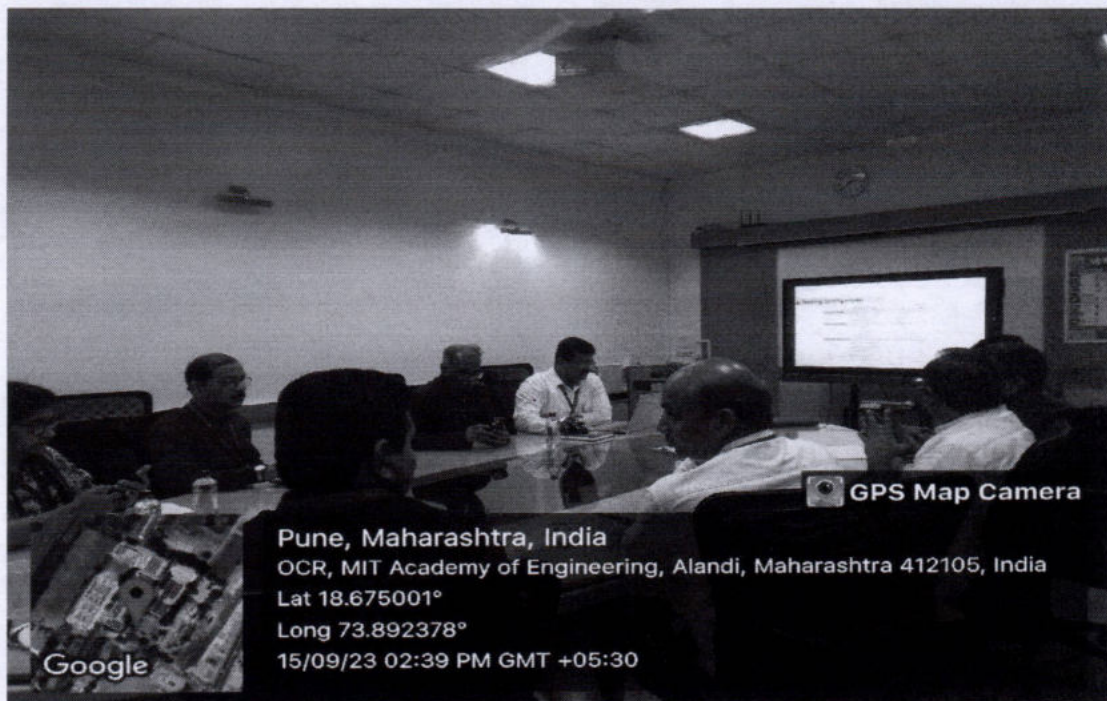
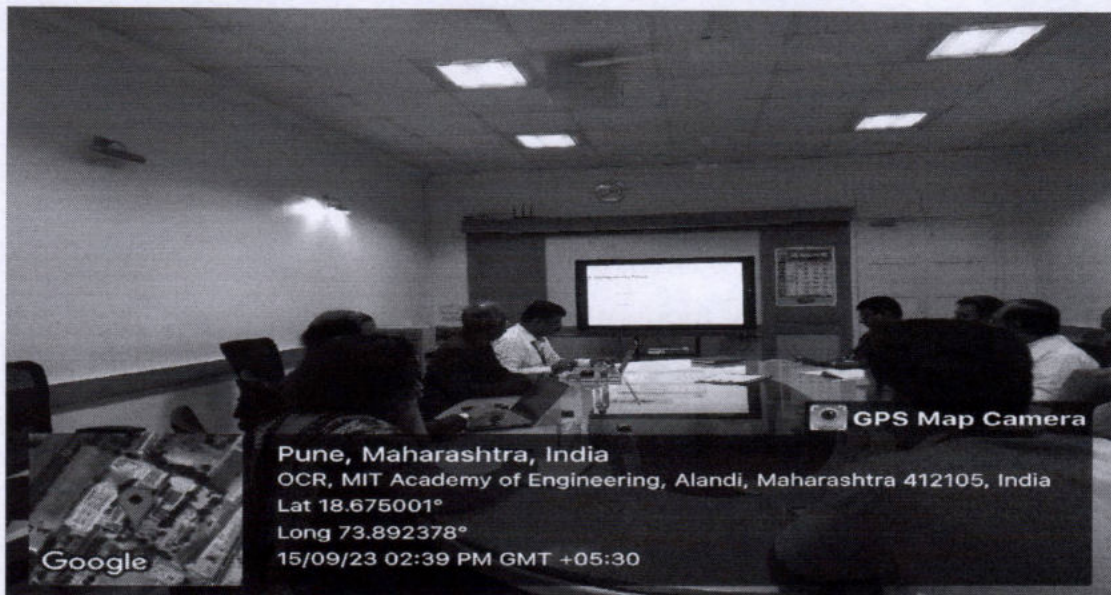

Annexure XI Entrepreneurship cell activity (2022-23)

Key Performance Indicators	22-23 (Targets)	Achievement
Innovation and Entrepreneurship Awareness and Promotional activities	12	11
Networking	6	8
Upskilling and Outreach program	4	6
Alumni engagement activities	4	6
Project to Product (P2P) Transformation Program	6	4
No of student startup	15	14
Infrastructure and facilities – Incubatee Seating space	15	12
Patents at MITAOE EDF	6	3
Crazy quilt with mentor investor and channel partners	25	16

Annexure XII First admission and cut-off for year 2023-24

Sl.N o	Name of the branch	Cut off (Open) 2023-2024
1	Civil Engineering	84.05
2	Chemical Engineering	86.97
3	Computer Engineering	97.62
4	Electronics Engineering	89.35
5	Electronics and Telecommunication Engineering	93.21
6	Mechanical Engineering	85.34
7	Computer Engineering (Software Engineering)	95.15



Meeting Photos**IQAC Meeting**

Attendance

Browser tabs: Inbox (885) - svtaralkar@mitaoe, Inbox (11,230) - dean.qa@mitaoe, Invitation for IQAC meeting 4 of 4, Meet - fwr-gggw-cca

URL: meet.google.com/fwr-gggw-cca?pli=1&authuser=2

MITAOE

Deputy Director - AR MITAOE, Alandi - Pune

Participants in meeting:

- Girish Bora
- Principal MITACSC
- Pravin Pawar
- Dean School of Ch...
- IQAC Coordinator...

People sidebar:

- Mute all
- Add people
- IN MEETING
- Contributors (6)
- IQAC Coordinator ... (You) Meeting host
- Dean School of Chemic...
- Deputy Director - AR MI...
- Girish Bora
- Pravin Pawar
- Principal MITACSC

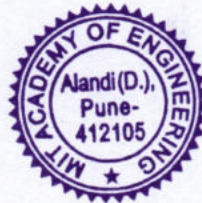
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MITAcademy of
Engineering
(An Autonomous Institute)**ATTENDANCE**

Alandi (D), Pune - 412 105

ACADEMIC YEAR

: 2022-2023

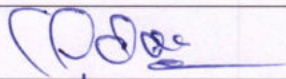
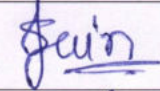
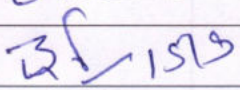

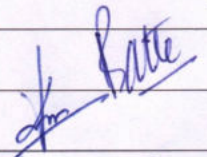
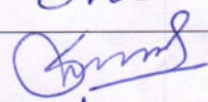
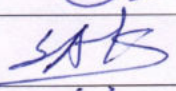
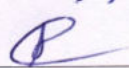


INTERNAL QUALITY
ASSURANCE CELL

DATE

: 15th September 2023

MEETING NO.

: IQAC / 2022-23

Sr. No.	Name	Signature
01	Prof.(Dr.) Mahesh D. Goudar	
02	Prof.(Dr.) Shitalkumar. A. Jain	
03	Prof.(Dr.) Sunita S. Barve	online
04	Prof. Sunilkumar.M.Bhagat	
05	Prof. Avinash Bhalerao	
06	Prof.(Dr.) Abhijeet Malge	
07	Dr. Vaishali Wangikar	online
08	Dr. Arika Kotha	—
09	Dr. Shayam Shukla	—
10	Dr. Rajeshwari Goudar	—
11	Prof.(Dr.) Dipti Sakhare	—
12	Prof.(Dr.) Prafulla Hatte	
13	Mrs. Vandana Khandelwal	
14	Prof.(Dr.) Balasaheb. Waphare	online
15	Prof.(Dr.) Anant Chakradeo	—
16	Mr. Yash Tajane	—
17	Mr. Saurabh Saha	—
18	Mr. Pravin Pawar	online
19	Mr. Girish Bora	online
20	Dr. Suyogkumar Taralkar	
21.	Mr. S. A. Khandekar	
22.	Dr. ANIKET GUNDECHA	
23	Ganicep P Shewale	
24	Dr. P. D. Manjekar	
25	Dr. Pramod Kothumire	online

MIT Academy of Engineering (An Autonomous Institute)	ACTION TAKEN REPORT	
Alandi (D), Pune - 412 105	ACADEMIC YEAR	2022-2023
INTERNAL QUALITY ASSURANCE CELL	DATE	15 th September 2023
	MEETING NO.	IQAC/2022-23/04

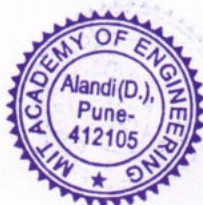
The agenda for the same is as follows:

- To confirm the previous minutes of meetings (IQAC/2022-23/03) and review on action taken report
- To discuss about Teaching-learning Process
- To discuss about revision in the curriculum as per NEP 2020 (2023-24 Pattern)
- To discuss the completion status of value added courses identified by schools for AY 2022-23
- To discuss about slow and advanced learner's methodology adopted and its implementation (2022-23)
- To discuss about stakeholder's feedback on curriculum (2022-23)
- To discuss about academic audits (2022-23)
- To discuss about result analysis (2022-23)
- To discuss about R&D activities (2022-23)
- To discuss about T&P activities (2022-23)
- To discuss about Alumni activities (2022-23)
- To discuss about Students club activities (2022-23)
- To discuss about accreditation status (NAAC & NBA)
- To discuss about Entrepreneurship cell activity (2022-23)
- To discuss about first admission and cut-off for year 2023-24
- To discuss about the status of NAAC peer team visit preparation
- Any other point with the permission of chair

The fourth meeting of IQAC for academic year 2023 was held 15th September 2023, at 02.30 pm in blended mode.

The following members were present for the meeting,

1. Prof(Dr.). Mahesh Goudar
2. Prof(Dr.) Shitalkumar A Jain
3. Prof(Dr.) Balasaheb. Waphare
4. Prof.(Dr.) Sunita S. Barve(Online)
5. Prof. Sunilkumar M. Bhagat
6. Prof.(Dr.) Abhijeet Malge
7. Dr. Vaishali Wangikar(Online)
8. Prof.(Dr.) Prafulla Hatte
9. Mrs. Vandana Khandelwal



10. Mr. Pravin Pawar (Online)
11. Mr. Girish Bora (Online)
12. Dr. Suyogkumar Taralkar

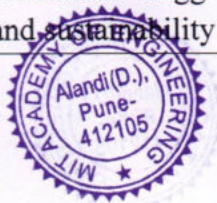
Other Invitees

13. Dr. Pramod Kothmire (Online)
14. Mr. S. A. Khandekar
15. Dr. Aniket Gundecha
16. Dr. Sandeep P Shewale
17. Dr. P. D. Ganjewar

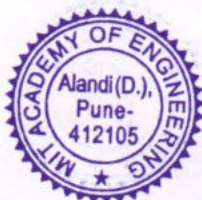
The leave of absence was granted to following members

18. Prof.(Dr.) Anant Chakradeo
19. Mr. Yash Tajane
20. Mr. Saurabh Saha
21. Dr. Avinash Bhalerao
22. Dr. Arika Kotha
23. Dr. Shyam Shukla
24. Dr. Rajeshwari Goudar
25. Dr. Dipti Sakhare

01	<p>To confirm the previous minutes of meetings (IQAC/2022-23/03) and review on action taken report</p> <p>Discussion and Resolution: 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.</p> <p>The previous minutes of the meeting (Meeting-3, 2022-23, June 15, 2023) and review on action taken report was discussed and confirmed by all members of IQAC.</p>
02	<p>To discuss about Teaching-learning Process</p> <p>Discussion and Resolution: Deputy Director Academics presented the Teaching-Learning Process - Academic Framework, Industry Engagement, Teaching Learning Centre.</p> <p>Details are given in Annexure – I</p> <p>Responsibility: Deputy Director Academics, All School Deans</p> <p>Action Taken:</p> <p>SChE: Introducing B.tech (Hons) Chemical Engg with specialization in Industrial Technology Management and Green Technology and Sustainability Egg. Got Approval from SPPU</p>



	<p>SCET: Laboratory Collaboration: Initiated center of excellence in machine learning with Novice pvt. ltd, Pune and Bharat Soft Pune and Cyber security with Cyber Secured India, Mumbai.</p> <p>SME: Industry Sponsored Lab: Initiated discussions with Accurate Industries Hadapsar for starting an industry sponsored lab for conducting training and testing.</p>
03	<p>To discuss about revision in the curriculum as per NEP 2020 (2023-24 Pattern)</p> <p>Discussion and Resolution: Deputy Director Academics presented the Curriculum revision as per NEP 2020. MITAOE has implemented NEP2020 from the academic year 2023-24 in its first year.</p> <p>First Year: 2023-2024</p> <p>Basic Science Courses: 15 Credits</p> <p>Engineering Science Courses: 14 Credits</p> <p>Co-curricular course_1_Liberal Learning (SEM I): 1 Credits</p> <p>Co-curricular course_2_Creative Technology (SEM II): 2 Credits</p> <p>Indian Knowledge System (SEM I): 2 Credits</p> <p>Ability Enhancement Course English communication: 2 credits</p> <p>Program Specific Course: 6 Credits</p> <p>Vocational and Skill Enhancement Courses: VSEC 1</p> <p>Vocational and Skill Enhancement Courses: VSEC 2</p> <p>Program core courses: PCC 1</p> <p>Details are given in Annexure – II</p> <p>Responsibility: Deputy Director AR, All School Deans</p> <p>Action Taken:</p> <p>SCHE: Under IKS, department has introduced Indian Heritage Textile course for FY B Tech.</p> <p>SCET: Under IKS department has introduced Vedic Mathematic course for FY B Tech.</p> <p>SME: Under IKS, department has introduced Indian Metallurgy course for FY B Tech.</p> <p>SCVE: Under IKS, the Civil department has introduced “Ancient Indian Architecture and Town Planning” for FY B Tech. Under VSEC “Computer-Aided Engineering Drawing” is introduced.</p> <p>FY and SHES: Co-curricular course_2_Creative Technology (SEM II): 2 Credits, 10 different tracks are made open for the students for creative technology course where students have choice to opt for the track of his/her choice.</p>
04	<p>To discuss the completion status of value added courses identified by schools for AY 2022-23</p>



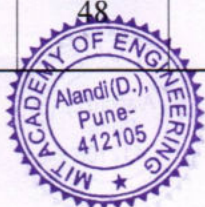
Discussion and Resolution: Dean QA briefed about the completion status of value-added courses identified by schools for AY 2022-23. It is decided that, each school need to identify value added courses for academic year 2023-24.

Details are given in Annexure-III

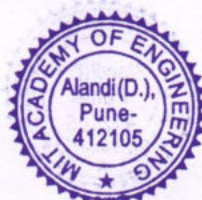
Responsibility: School Deans

Action Taken:

School	Class (FY /SY/ TY/ Final Year)	Value Added Courses (Name)	Duration (Hrs)	Start date (DD /MM /YYYY)	End date (DD /MM /YYYY)	No. of student s register ed	No.of stud successfully completed
Chemical	SY	In process.					
	TY						
	Final Year						
Computer	SY	CPP (SEM I)	48	01/09/2023	In Process	165	—
		Core Java (SEM I)	48	01/09/2023	In Process	73	—
		Core Java (SEM II)	48	—	—	—	—
		Adv. Java (SEM II)	48	—	—	—	—
	TY	RHL I (SEM I)	48	01/08/2023	In Process	65	—
		WT (SEM I)	48	01/08/2023	In Process	182	—
		Android Application Developme nt (SEM II)	48	—	—	—	—
		AWS (SEM II)	48	—	—	—	—



			Adv.java (SEM II)	48	—	—	—	—
		Final Year	RHL-II (SEM I)	48	01/08/2023	In Process	73	—
			.NET (SEM I)	48	01/08/2023	In Process	163	—
	Civil	SY	REVIT certificatio n course	45				
		TY	FUEL Full stack developme nt	13				
		Final Year	NIL					
	E&TC	SY	Java Programmi ng	180	Jan-June 2024	In planning	NA Current ly	NA Currently
		TY	SQL and DBMS	40		Completed	40	40
		Final Year	System Verilog	90	Jan-June 2024	In planning	NA Current ly	NA Currently
	Mechanical	SY						
		TY	ATV Design	64 hr (32 X 2)	4th AUG 2022	25th NOV 2022	21	21
		Final Year						
	First Year	FY	1(Digital Engineerin g)	30	Jan-24	March -24	650	
05	To discuss about slow and advanced learner's methodology adopted and its implementation (2022-23)							



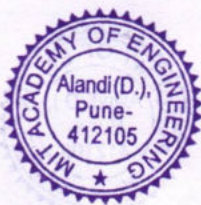
Discussion and Resolution: Dean QA presented the slow and advanced learner's methodology adopted and its implementation (2022-23). Similar type of procedure needs to be adopted for the academic year 2023-24.

Details are given in Annexure – IV

Responsibility: Dy. Director AR, All School Deans

Action Taken:

School	Methodology adopted to identification of slow and advanced learners	No. of slow learners	Activities conducted for slow learners	Effectiveness of activities	No. of advance Learners	Activities conducted for advanced learners	Effectiveness of activities
Chemical	Test was conducted by class teacher at the start of term using methodology based on questions based on pre requisite subjects.	SY-7 TY: 9 B.Tech:6	make-up classes were conducted for slow learners	To be evaluated in next sem	SY-14 TY: 7 B.Tech:7	Motivated to participate in SCH EMC ON event	Got 1st prize in paper presentation
Computer	Based on previous year final exam results	Proposed from upcoming Semester	—	—	Proposed from upcoming Semester	—	—

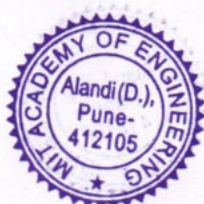


	Civil	Based on Mid Sem examination	-	Make up sessions / Additional Assignments	Result improved marginally	-	Motivated for YLIP (TY) and Super 30.	
	E&TC	Based on ,pre course survey and Mid Sem examination	SY: In process TY: 5 B. Tech:7	Make up sessions / Additional Assignments	Result improved marginally	SY: In process TY: 5 B.Tech: 4	Motivated for YLIP (TY) and Super 30.	
	Mechanical	Based on pre-course survey, or IA activities	9	2	90%	4	2	100%
	First Year	Every course in-charge decides the diagnostic method	for every class and every course different slow learners are there. Approx.: 160 students	2-3 activities per course	Evaluated in next assessment method -ESE	approx. 130	1 activity per course per division	Will be validated after result declaration of SEM 1

06

To discuss about stakeholder's feedback on curriculum (2022-23)

Discussion and Resolution: Dean QA briefed about the stakeholder's feedback on curriculum (2022-23). 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 – V

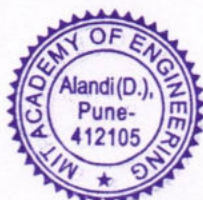
Responsibility: All School Deans

Action Taken:

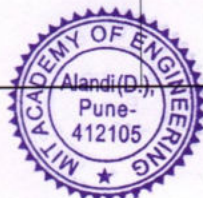
School	Feedback by Students	Feedback by Teachers	Feedback by Alumni	Feedback by Industry persons	Action taken on suggestions
Chemical	data analytics should be introduced	Include LCA course (Life cycle assessment)	No specific feedback	More skill courses must be introduced	Changes accommodated new 2022 curriculum pattern https://drive.google.com/file/d/1iUN2pMxo480cbZN_QS3tD9f5yvy1M4-/view?usp=sharing
Computer	No activities to be reduced and more free time to be given for preparation.	No 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. SD courses are added for hands-on sessions. Open elective track based on current industry needs are introduced.
Civil	1. Site visits helped us in gaining real life idea. 2. The practical based approach of	1. Project based learning 2. Offer a modular curriculum with elective tracks	1. Tekla software need to be bought into curriculum as there is more need and requirement in industry	1. Due to internship students gained practical knowledge. 2. Students can make significant	1. Summer internships Semester Long Internships / site visits are planned and conducted



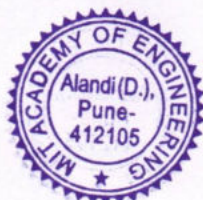
		<p>teaching was a strength.</p> <p>3. It was good but the teachers have to be more supportive</p> <p>4. It was conducted very well and the strength of course is very clearly given.</p>	<p>students to customize their learning based on their interests and career goals.</p>	<p>for it.</p> <p>Overall curriculum is excellent).</p> <p>2. Relations with the industry should be increased as much as possible</p> <p>3. Overall good but adding more workshops for practical subjects would be helpful for students to get the practical exposure about any specific subject</p>	<p>contributions in civil engineering fields.</p> <p>3. Students from MITAOE were sincere and hardworking.</p>	<p>2. Practical components are available.</p> <p>3. Student mentors system is followed</p> <p>4. Courses are well conducted as per teaching plan.</p> <p>5. SIP, SLIP is already implemented and YLIP is implemented from 2022 to 2024.</p>
	E&TC	<p>Feedback taken for all the courses which are included in the curriculum, as course exit feedback.</p> <p>No specific feedback received on curriculum</p>	<p>Need to add more contents related to IIoT</p> <p>Introduction of STM</p> <p>Problem solving sessions to be</p> <p>Course contents are vast to cover in stipulated</p>	<p>Arrange the training for SQL</p> <p>Skills of cloud with any platform need to be included.</p> <p>Rigorous training on IoT fundamentals to arrange.</p>	<p>Product implementation based topics can get included in curriculum.</p> <p>Topics related to cyber security must be there.</p>	<p>Training arranged for SQL by industry experts</p> <p>Skill course related to cloud is included in curriculum</p> <p>Workshop and guest lectures are organized based on IoT.</p>



		from student's side.	time hence more contact hours to be allocated More options for skill courses to be given		EDA tool can be the part of lab sessions. Verilog, System verilog, UVM, can get covered in VLSI course	<p>Feedback taken and changes carried are reflected in CDR file of each course.</p> <p>Topics related to IIoT are included in new course EI at SY level.</p> <p>Topics related to STM are included in new course contents.</p> <p>For up gradation as per the industry requirement, more skill courses options are given to students.</p> <p>Industry experts are appointed for teaching the courses.</p> <p>Course like Design thinking is included in new curriculum.</p> <p>Electronic workshop is the course will help the students for product development</p> <p>EDA tool and Verilog is already covered in previous revision and it will</p>
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						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/1IBBNQDHhbXJvJA6451xAgSA08dxVJLe/view?usp=sharing
	First Year	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.
07	<p>To discuss about academic audits (2022-23)</p> <p>Discussion and Resolution: Dean QA presented the Internal & External academic audits (2022-23) details. All schools are requested to conduct academic audit for academic year 2022-23 by external members (as per standard guidelines).</p> <p>Details of academic audits given in Annexure – VI</p>					



Responsibility: Dy. Director AR, All School Deans,

Action Taken:

School	External Audit for academic year 2022-23 (Completed /not completed)	In case of not completed what is planned date (DD /MM /YYYY)	Suggestions received by auditors (if any)
Chemical	Completed on 7/4/2023		https://drive.google.com/file/d/1aXHhSXXZtVldPVkFbmhkpVrylP4c5D0z0/view?usp=sharing
Computer	17/03/2023	—	https://drive.google.com/drive/folders/OVngpJAnzwcZmz8cUaNmSe_s6O82eYr?usp=drive_link
E&TC	will be completed in next one month		
Mechanical	Completed on 12 April 2023	-	https://drive.google.com/file/d/1is-OIknRhe6hMO2QZdPqS3rFnQ13IXD/view?usp=sharing
First Year	will be completed in next one month	-	-

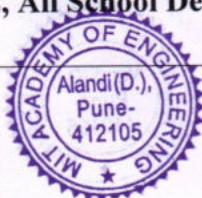
To discuss about result analysis (2022-23)

Discussion and Resolution: Dean QA & IQAC Coordinator presented the Final Year result analysis (2022-23). More efforts must be taken by schools at first year level and even at higher levels for result without a backlog.

Details of result analysis given in Annexure – VII

Responsibility: Dy. Director AR, COE, All School Deans

08



	Action Taken:		
	School	Efforts taken/planned to improve result at SY, TY and final year	Efforts taken/planned to improve success rate without backlog at first year
	Chemical	Remedial classes exam were conducted for B.Tech and TY students.	Provided practice sessions wherever needed
	Computer	Re-exam and Remedial exams, Problem solving sessions and make up classes.	Re-exam and Remedial exams, Problem solving sessions and make up classes.
	Civil	Doubt clearing sessions / Remedial classes	Activity based learning for concept clearing / graded activities.
	E&TC	Re-exam and Remedial exams, Problem solving sessions and make up classes are conducted.	Re-exam and Remedial exams, Problem solving sessions and make up classes are conducted.
	Mechanical	Doubt clearing sessions, Remedial sessions and Pedagogical changes have been made	Doubt clearing sessions, Remedial sessions and Pedagogical changes have been made
	First Year		Two days gap between each paper for better preparation. Provided practice sessions wherever needed Identification of slow learners and corrective actions to make them moderate learners for each course
09	To discuss about R&D activities (2022-23)		
	Discussion and Resolution: Dean R&D presented the R&D activities like Paper Publications, Conference Presentations, Patents Filed etc. Following are the details of R&D activities.		
	Publication:		
	School	Journal Publications	Conference Publications



	Scopus	SCI	Other (UGC Care)	Scopus	SCI	Other (UGC Care)
Chemical	4	3	0	1	1	0
Civil	5	0	5	3	0	0
Computer	10	4	9	11	0	1
Elect. & Tele. Comm.	4	3	0	13	0	0
Mechanical	11	5	0	3	0	0
Humanities and Engg Sci.	2	0	2	0	0	0
Design	0	0	0	0	0	0
Total	34	15	16	31	1	1

Seed Money:

School	Seed Money	
	No. of Projects	Seed Money Amount (Rs)
Chemical	1	20,000
Civil	2	46,000
Computer	0	0
Elect. & Tele. Comm.	1	35,000
Mechanical	7	34,9000



Humanities and Engg Sci.	0	0
Design	0	0
Total	11	4,50,000

Patent

School	Patents		
	No. of patents filed	Funding from Institute (Rs.)	No. of Patents Granted
Chemical	0	4,51,850	0
Civil	0		0
Computer	5		0
Elect. & Tele. Comm.	1		0
Mechanical	11		1
Humanities and Engg Sci.	0		0
Design	0		0
Total			

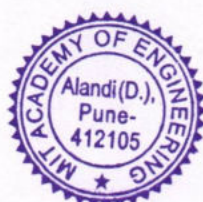
Responsibility: Dean R&D, School Deans

Action Taken:

SChE: Conducted expert talk guidance on "Research Paper Writing" by Dr Parag Gogate

Efforts taken to improve R&D activities:

1. Research promotion policies are launched for journal papers. (Monthly research awards)
2. Modification in research policy is made for student conference paper presentations for providing registration charges immediately after the presentation.



3. Seed funding proposals are invited and in the process of finalisation.

Action plan to improve R&D activities:

1. Patent drive in January 2024.
2. Journal paper writing sessions planned in December 2023.
3. Workshop for research proposal writing.

To discuss about T&P activities (2022-23)

Discussion and Resolution: Deputy Director CR presented the Training & Placement Details Bifurcation as per courses

2022-23: 601/ 676 (with multiple offer)

	Computer Engineering	Information Technology	Electronics & Telecom Engineering	Electronics Engineering	Mechanical Engineering	Civil Engineering	Chemical Engineering
Registration	138	77	130	25	197	49	60
No. Placement (multiple offer)	145	63	113	16	177	32	55
No. Placement (Single Offer)	110	51	100	15	140	27	46
% Placement (Single offer)	79.71	66.23	76.92	60	71.06	55.10	76.66

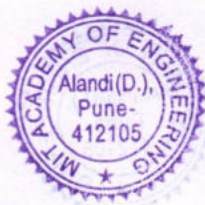
Details are given in Annexure VIII

Responsibility: Dy Director CR

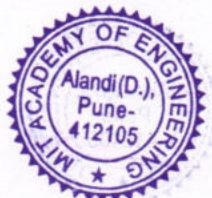
Action Taken:

Placement Status: 2023-24: 140 / 760

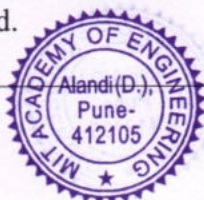
Detailed bifurcation as per courses



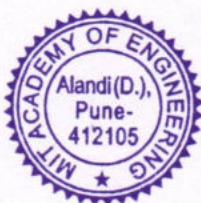
		Computer Engineering	Information Technology	Electronics & Telecommunications	Electronics Engineering	Mechanical Engineering	Civil Engineering	Chemical Engineering
	Registration	168	80	145	64	180	63	60
	No. Placement (multiple offer)	49	18	20	7	25	14	7
	No. Placement (Single offer)	49	18	20	7	25	14	7
	% Placement (single offer)	29.16	22.5	13.80	10.93	13.88	22.23	11.67
11	<p>To discuss about Alumni activities (2022-23)</p> <p>Discussion and Resolution: Alumni Coordinator presented the Alumni activities (2022-23) & Status of Strategic plan for 2022-2023.</p> <p>Details are given in Annexure IX</p> <p>Responsibility: Alumni Coordinator</p> <p>Action Taken:</p> <p>Raise the Fundraising module to develop AR lab</p> <p>Conduct alumni meet at Bangalore for alumni who are around the cities</p>							
12	<p>To discuss about Students club activities (2022-23)</p> <p>Discussion and Resolution: Dean SA presented the details of student activities & Status of Strategic plan for 2022-2023.</p> <p>Details are given in Annexure X</p> <p>Responsibility: Dean SA</p> <p>Action Taken:</p> <p>1. Decided to plan activities well in advance.</p>							



	<p>2. Discussed with Registrar sir about searching of vendor for T Shirt printing.</p> <p>3. Discussed with Director & Registrar sir about making compound with NET around basket ball ground.</p>
13	<p>To discuss about accreditation status (NAAC & NBA)</p> <p>Discussion and Resolution: Dean QA informed all members about the NBA and NAAC accreditation status.</p> <p>NBA: UG Civil</p> <p>Proposed dates for NBA Expert Committee Visit:</p> <p>15/09/2023 - 16/09/2023</p> <p>29/09/2023 - 30/09/2023</p> <p>06/10/2023 - 07/10/2023</p> <p>27/10/2023 - 28/10/2023</p> <p>03/11/2023 - 04/11/2023</p> <p>Two internal mock audits are completed</p> <p>Remarks: Documents updating suggested</p> <p>An external Mock audit is planned in the month of Sep 2023.</p> <p>NAAC:</p> <p>Proposed dates for Peer Team visit:</p> <p>03/10/2023 - 04/10/2023</p> <p>19/10/2023 - 20/10/2023</p> <p>06/11/2023 - 07/11/2023</p> <p>Two Mock Audits are completed.</p> <p>1. Prof. Sandeep Lokhande</p> <p>2. Dr. P. B. Mane</p> <p>Remarks: Documents updating as per qualitative matrices, Director presentation should be focusing on Qualitative matrices, IQAC presentation should focus on quality initiatives</p> <p>Two more mock audits are planned in the month of September-October 2023.</p> <p>Responsibility: Director, Deputy Director, Registrar, Dean QA, All School Deans, NBA Coordinator.</p> <p>Action Taken:</p> <p>Mock Audits for Civil-NBA and NAAC was conducted by experts.</p> <p>NBA (Civil) expert committee visited on 27-29 October 2023.</p> <p>NAAC Peer Team visited to institute on 06-07 November 2023.</p> <p>Result of NBA and NAAC are declared.</p>



14	<p>To discuss about Entrepreneurship cell activity (2022-23)</p> <p>Discussion and Resolution: Dean QA & IQAC Coordinator presented the entrepreneurship cell activity (2022-23).</p> <p>Details are given in Annexure XI</p> <p>Responsibility: ED Cell</p> <p>Action Taken:</p> <p>No of entrepreneurship activities conducted participated:11</p> <p>No of connects established with industry and Startup experts for overall ecosystem support: 8</p> <p>No. of entrepreneurship activities conducted & organized to expand the outreach of MITAOE-EDF:6</p> <p>No. of entrepreneurship Activities organized with involvements of alumni entrepreneurs per year: 6</p> <p>No. of student's project converted into the commercially viable products per year: 4 (Need to take some measures to improve)</p> <p>No. of student's startup support for the idea to MVP and further growth per year: 14 (good startups are coming in through SISFS)</p> <p>No. of Incubatee seats allocated: 12 (seating space is available. Now need to procure equipments)</p> <p>No of student's startups' patents filled per year: 3 (There are less number of technology based startups)</p> <p>No. of collaboration and MOUs signed with the mentors, investors, and channel partners:16 (In the initial phase of Incubation center, there was great need of connecting through crazy quilt, however now we can start using this network. The target number can be reduced in next year)</p>
15	<p>To discuss about first Year admission and cut-off for year 2023-24</p> <p>Discussion and Resolution: Dean QA & IQAC Coordinator presented the first Year admission and cut-off for year 2023-24.</p> <p>Details are given in Annexure XII</p> <p>Responsibility: Registrar, All School Deans, Head-Admission</p>



MIT ACADEMY OF ENGINEERING		
CUT OFF DETAILS 2023-2024		
Sl.N o	Name of the branch	Cut off (Open) 2023-2024
1	Civil Engineering	84.05
2	Chemical Engineering	86.97
3	Computer Engineering	97.62
4	Electronics Engineering	89.35
5	Electronics and Telecommunication Engineering	93.21
6	Mechanical Engineering	85.34
7	Computer Engineering (Software Engineering)	95.15

To discuss about the status of NAAC peer team visit preparation

Discussion and Resolution: Dean QA & IQAC Coordinator presented the NAAC peer team visit preparation.

Criteria-wise Document Updating

Director presentation

IQAC Presentation

School Dean/HOD Presentation

Signage etc.

Responsibility: Director, Deputy Director, Registrar, All School Deans

16 Action Taken:

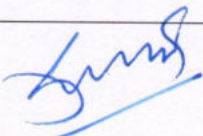

NAAC Peer Team visited the institute on 06-07 November 2023.

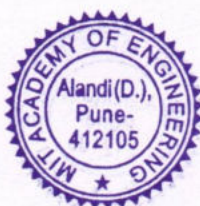
Result of the NBA and NAAC are awaited.

Following are the observations of NAAC peer Team.

- Faculty contribution in Research and Consultancy need to be enhanced, Research guides, research scholars, collaborative research activities are very less.
- Source of income needs to be enhanced through industry consultancy and research funding (In the present context only the source of income is student fees). Need to recruit new faculty accordingly.
- Research facilities need to be developed

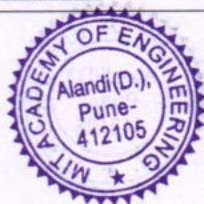
	<ul style="list-style-type: none"> • Lack of industry-sponsored labs, industry consultancies, and projects (Being at the center of industrial Hub) • Faculty cadre ratio need to be improved • Indoor and outdoor sports facilities need be improved • Students progression to higher studies is very less • Approach road and internal roads need to be improved • Outcome level of program need to be enhanced to higher levels
17	<p>Any other point with permission of the chair</p> <p>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.</p>

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



Annexure-I: Teaching-learning Process

1	Teaching Learning Process	Target	Achieved Total
1.1 Academic Framework			
1.1.1	<u>Curriculum Flexibility (% of Credits)</u>	22	35
1.1.1	<u>Curriculum Revision (% of Contents)</u>	25	25
1.2 Industry Engagement			
1.2.1	<u>Expert Talk</u>	100	100
1.2.1	<u>Skill Courses</u>	25	32
1.2.3	<u>Laboratory Collaboration</u>	3	1
1.3 Teaching Learning Centre			
1.3.1	<u>Faculty Development Programs</u>	7	9
1.3.2	<u>Professional Courses (per faculty)</u>	2	2
1.3.3	<u>Assessment Reform (% of Credits)</u>	10	10
1.3.4	<u>Digital Content Creation (No. of Courses)</u>	10	10
1.3.5	<u>Professional Certificate Courses</u>	3	3

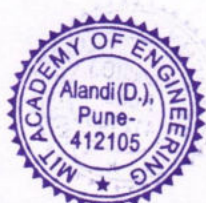


SEMESTER WISE
CREDIT DISTRIBUTION
STRUCTURE FOR
UG ENGINEERING
PROGRAMME

Annexure-II:

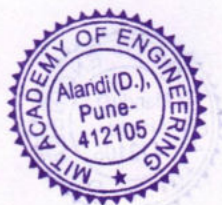
Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits
Basic Science Course	BSC/ESC	06-08	08-10		--	--	--	--	--	14-18
Engineering Science Course		10-08	06-04		--	--	--	--	--	16-12
Programme Core Course (PCC)	Program Courses	--	02	08-10	08-10	10-12	08-10	04-06	04-06	44-56
Programme Elective Course (PEC)		--	--	--	--	04	08	02	06	20
Multidisciplinary Minor (MD M)	Multidisciplinary Courses		-	02	02	04	02	02	02	14
Open Elective (OE) Other than a particular program		--	--	04	02	02	--	--	--	08
Vocational and Skill Enhancement Course (VSEC)	Skill Courses	02	02	--	02	--	02	--	--	08
Ability Enhancement Course (AEC -01, AEC-02)	Humanities Social Science and Management (HSSM)	02	--	--	02	--	--	--	--	04
Entrepreneurship/Economics/Management Courses		--		02	02	--	--	--	--	04
Indian Knowledge System (IKS)			02		--	--	--	--	--	02
Value Education Course (VEC)		--	--	02	02	--	--	--	--	04
Research Methodology	Experiential Learning Courses	--	--	--	--	--	--		04	04
Comm. Engg. Project (CEP)/Field Project (FP)		--	--	02	--	--	--	-	-	02
Project		--	--	--	--	--	--		04	04
Internship/ OJT		--	--	--	--	--	--	12	-	12
Co-curricular Courses (CC)	Liberal Learning Courses	02	02		--	--	--	--	-	04
Total Credits (Major)		20-22	20-22	20-22	20-22	20-22	20-22	20-22	20-22	160-176

SEMESTER: I (CHEMICAL, CIVIL, COMPUTER, COMPUTER[SOFTWARE ENGINEERING])												
Universal Human Values (Induction Program)												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CRED. IT
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT/TUT		TOTAL	
			L	P	T	IA	MSF	FSF	CA	D/P		
BSC	2301101	Calculus and Differential Equations	3	-	1	30	20	50	20	30	150	4
RSC	2401102	Engineering Physics	2	2	-	15	20	40	20	30	125	3
ESC	2307101	Electrical and Electronics Engineering	2	2	-	15	20	40	20	30	125	3
ESC	2304101	Foundations of Computing	2	2	-	15	20	40	20	30	125	3
VSEC	2303161	Computer-Aided Engineering Drawing	0	4	-	-	-	-	35	40	75	2
	2305161	Computer-Aided Engineering Drawing	0	4	-	-	-	-	35	40		
	2304161	Linux Fundamentals and Programming	1	2	-	35	-	-	-	40		
	2310161	Linux Fundamentals and Programming	1	2	-	35	-	-	-	40		
HSSM AEC	2301171/2/3/4	Communication Skills (English/ German/Japanese/ French)	-	4	-	-	-	-	35	40	75	2
CC	2301182	Liberal Learning	-	2	-	-	-	-	-	50	50	1
HSSM IKS	2303181	Indian Knowledge System (Ancient Indian Architecture and Town Planning)	2	-	-	15	20	40	-	-	75	2
	2305181	Indian Knowledge System (Indian Heritage Textiles)		-	-	15	20	40	-	-		
	2404181	Indian Knowledge System(Vedic Mathematics)		-	-	15	20	40	-	-		
	2310181	Indian Knowledge System(Vedic Mathematics)		-	-	15	20	40	-	-		
TOTAL			12	16	1						800	20



SEMESTER: II (CHEMICAL, CIVIL, COMPUTER, COMPUTER[SOFTWARE ENGINEERING])												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CREDI T
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TOTAL	
			L	P	T	IA	MSE	ESE	CA	D/P		
BSC	2301103	Statistics and Integral Calculus	3	-	1	30	20	50	20	30	150	4
BSC	2301104	Science of Nature	3	2	-	30	20	50	20	30	150	4
ESC	2304102	Essentials of Data Science	2	2	-	15	20	40	20	30	125	3
ESC	2303101	Applied Mechanics	2	2	-	15	20	40	20	30	125	3
ESC	2309101	Design Thinking	1	2	-	35	-	-	-	40	75	2
VSEC	2303162	Surveying and Geomatics	1	2	-	35	-	-	-	40	75	2
	2305162	Computer Aided Chemical Engineering	1	2	-	35	-	-	-	40		
	2304162	Data Visualization using Tableau	1	2	-	35	-	-	-	40		
	2310162	Data Visualization using Tableau	1	2	-	35	-	-	-	40		
PCC	2303111	Basics of Civil Engineering	2	-	-	15	20	40	-	-	75	2
	2305111	Chemical Process Calculations	2	-	-	15	20	40	-	-		
	2304111	Discrete Structure	2	-	-	15	20	40	-	-		
	2310111	Discrete Structure	2	-	-	15	20	40	-	-		
CC	2301183	Creative Technologies	1	2	-	35	-	-	-	40	75	2
TOTAL			15	12	1						850	22

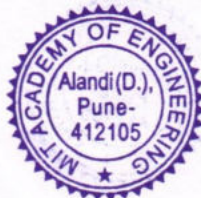
SEMESTER: I (ELECTRONICS, ENTC, MECHANICAL)												
Universal Human Values (Induction Program)												
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS					CREDIT	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT			TOTAL
			L	P	T	IA	MSE	ESE	CA	D/P		
BSC	2301101	Calculus and Differential Equations	3	-	1	30	20	50	20	30	150	4
BSC	2301104	Science of Nature	3	2	-	30	20	50	20	30	150	4
ESC	2304101	Foundations of Computing	2	2	-	15	20	40	20	30	125	3
ESC	2303101	Applied Mechanics	2	2	-	15	20	40	20	30	125	3
ESC	2309102	Design Thinking	1	2	-	35	-	-	-	40	75	2
VSEC	2306161	Electronics Workshop	1	2	-	35	-	-	-	40	75	2
	2307161	Electronics Workshop	1	2	-	35	-	-	-	40		
	2309161	Computer Aided Engineering Drawing	0	4	-	-	-	-	35	40		
CC	2301212	Liberal Learning	-	2	-	-	-	-	-	50	50	1
HSSM IKS	2306181	Indian Knowledge System(Vedic Mathematics)	2	-	-	15	20	40	-	-	75	2
	2307181	Indian Knowledge System(Vedic Mathematics)	2	-	-	15	20	40	-	-		
	2309181	Indian Knowledge System(Indian Metallurgy)	2	-	-	15	20	40	-	-		
TOTAL			14	14	1						825	21



SEMESTER: II (ELECTRONICS, ENTC, MECHANICAL)													
COURSE			TEACHING SCHEME			EXAMINATION SCHEME AND MARKS						CREDI T	
TYPE	CODE	NAME	Hour/Week			THEORY			PRACT		TOTAL		
			L	P	T	IA	MSE	ESE	CA	D/P			
BSC	2301103	Statistics and Integral Calculus	3	-	1	30	20	50	20	30	150	4	
BSC	2301102	Engineering Physics	2	2	-	15	20	40	20	30	125	3	
ESC	2307101	Electrical and Electronics Engineering	2	2	-	15	20	40	20	30	125	3	
ESC	2303101	Essentials of Data Science	2	2	-	15	20	40	20	30	125	3	
VSEC	2306162	Interfacing Sensors and Actuators	1	2	-	35	-	-	-	40	75	2	
	2307162	Interfacing Sensors and Actuators	1	2	-	35	-	-	-	40			
	2309162	Fab Lab	-	4	-	-	-	-	35	40			
PCC	2306111	Logic Sensing and Actuation	2	-	-	15	20	40	-	-	75	2	
	2307111	Logic Sensing and Actuation	2	-	-	15	20	40	-	-			
	2309111	Manufacturing Processes	2	-	-	15	20	40	-	-			
HMMS AEC	2301171/2/3/4	Communication Skills (English/German/ Japanese/ French)	-	4	-	-	-	-	35	40	75	2	
CC	2307131	Creative Technologies	1	2	-	15	20	40	-	-	75	2	
TOTAL			13	16	1							825	21

Annexure-III: Value added courses

School	First Year		Second Year		Third Year	Final Year		
	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited	Courses Name	No. Of students benefited
Chemical	Nil	Nil	Nil	Nil	Aspen hysis	69	Bridge the gap (Aspen Plus & Aspen Hysis)	29
Civil	-	-	Revit Certification Course	45	FUEL Full stack development	13	Nil	Nil
Computer	Nil	Nil	CPP Core java	156	RHL I II	85	Android Application Development AWS	54
				68	WT	177		
					RHL-II	125		
					.net	44		
Elect. & Tele. Comm.			Skill Development course Java	180	Adv.java	28	I	60
					1.FUEL Full stack development 2.Infosys Springboard Data Science	1.120 2.60		
Mechanical			Nil	Nil	Java	67	Nil	Nil

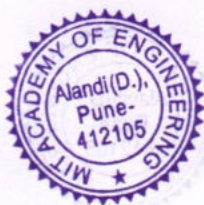


					PhP/CSS/HTML	67		
Design	History of design	76	History of design	56	History of design	30		

Annexure – IV Slow and advance learner's

School	Methodology adopted		Effectiveness of methodology	
	Slow learners	Advanced Learners	Slow learners	Advanced Learners
Chemical	Conduction of concept test by class teacher Conduction of remedial classes for slow learners https://drive.google.com/file/d/1BtEYUuw4aVgJ2X7Q6y4YFy8hBIWlp8lg/view?usp=sharing	Conduction of concept test by class teacher Motivated to participate in Technical events https://drive.google.com/file/d/1BtEYUuw4aVgJ2X7Q6y4YFy8hBIWlp8lg/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1VQoBGhgG149dLr3khNCrmbARjYfsm70/view?usp=sharing	More Prize winning in technical events 1. https://drive.google.com/file/d/1VQoBGhgG149dLr3khNCrmbARjYfsm70/view?usp=sharing 2. https://drive.google.com/file/d/1uX9hNfmayAl6WCb0eCAoSziaL_U2EIE0/view?usp=sharing
Civil	Conduction of concept test by class teacher. Conduction of remedial classes for slow learners. https://drive.google.com/file/d/1yrnHYaEgGXyXVw92AR6MPTIdnsDYSoBt/view?usp=sharing https://drive.google.com/file/d/1JzNz8he8aHm3Kgyz0fb_gX58FIpeW3ct/view?usp=sharing	Conduction of concept test by class teacher. Motivated to participate in Technical events. https://drive.google.com/file/d/1yrnHYaEgGXyXVw92AR6MPTIdnsDYSoBt/view?usp=sharing https://drive.google.com/file/d/1JzNz8he8aHm3Kgyz0fb_gX58FIpeW3ct/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1q2K520S5kL_JewHrRDCIrgNOXGjCX0q5/view?usp=sharing https://drive.google.com/file/d/1SLA-mu3FvHC5IHCAf7tf5UpHGV-Uqmh3/view?usp=sharing	Result has improved, More participation in technical events https://drive.google.com/file/d/1q2K520S5kL_JewHrRDCIrgNOXGjCX0q5/view?usp=sharing https://drive.google.com/file/d/1SLA-mu3FvHC5IHCAf7tf5UpHGV-Uqmh3/view?usp=sharing

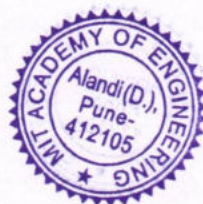
Computer	1. Counselling, 2. Separate activities / Assignments	1.Encouragement to students towards Advance topics, research, competitions, Patents etc. 2.Separate activities / Assignments 3. Special Interactions	Improvement in getting internship, placement	prize winning in national and state level events SIH Graham Bell
Elect. & Tele. Comm.	1.Prerequisite Course Test Result 2.Previous Year Result 3.Theory & Lab Class Response 4.Assignment/ Activity – I 5.Counselling	1.Previous Year Result 2.Theory & Lab Class Response 3.Assignment/ Activity – I 4. Through Counselling & Project- motivate for research paper, Technical Event, Patent	Improvement in Results, Project and Placement	1.Student research paper enhanced 2.Participation in technical events with winning prizes. 3.Higher Studies improved 4.Placement in the core company and with incense pack.



School	Methodology adopted		Effectiveness of methodology	
	Slow learners	Advanced Learners	Slow learners	Advanced Learners
Mechanical	<p>Identification of the slow students by the assessment of precourse/survey or MSE marks, extra learning material is given through notes , moodle etc.</p> <p>https://drive.google.com/file/d/1pyim0jusTDopJ8Nn7cA0XzpKh1RENfg1/view?usp=drive_link</p>	<p>For advanced learners are encouraged to participate in project based competitions and for various technical events like Carting and racing SAE events.</p> <p>https://drive.google.com/file/d/1XvLzmx5Yc2sEFmkE6Zr_gQ5dOXTOf3K6/view?usp=drive_link</p>	Improvement in results.	
Design	More personal inputs, extra time given to complete work, relatively simpler assignments	Additional responsibility to lead group for its contents, support slow learners as peer input	Improved confidence in execution & presentation	Better understanding of concepts and team management skills

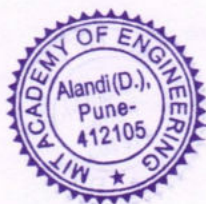
Annexure – V Stakeholder's feedback on curriculum

School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Chemical	Include data science in chem engg	Included in new pattern 22 https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5yvy1M4-/view?usp=sharing	Include LCA course	Included in honors programme https://drive.google.com/file/d/1iUN2pwMxo480cbZN_QS3bD9f5yvy1M4-/view?usp=sharing	More of practical based content with current ongoing industrial process..	considered and relevant skill lab (CFD, EDR) practical component https://docs.google.com/spreadsheets/d/15l8XUxJ3xh00qZg2rfAXJCmIcJzIOOnF/edit?usp=sharing&oid=101804389148389466877&rtopof=true&sd=true	More skill and elective based courses should be included	Included in honors programme https://docs.google.com/spreadsheets/d/15l8XUxJ3xh00qZg2rfAXJCmIcJzIOOnF/edit?usp=sharing&oid=101804389148389466877&rtopof=true&sd=true
Civil	Requires more site visits	https://drive.google.com/file/d/1dKo7MImEcghoJCKGtNbhpUaiefvFQp/view	Allowing students to customize their learnings based on their interest carrier goals	https://drive.google.com/file/d/1dKo7MImEcghoJCKGtNbhpUaiefvFQp/view	Tekla software need to be added in curriculum as industry widely using this software	https://drive.google.com/file/d/1dKo7MImEcghoJCKGtNbhpUaiefvFQp/view	Students get more practical knowledge due to internship	https://drive.google.com/file/d/1dKo7MImEcghoJCKGtNbhpUaiefvFQp/view



School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Computer	Feedback was taken on curriculum through course exit feedback	https://drive.google.com/file/d/1ssDU-7W5TKpkT6qhOV5XMkn5BzCpgPU/view?usp=drive_link	Suggested to include problem solving sessions in lab courses	https://drive.google.com/file/d/1ssDU-7W5TKpkT6qhOV5XMkn5BzCpgPU/view?usp=drive_link	Industry oriented new courses can be added	https://drive.google.com/file/d/1ssDU-7W5TKpkT6qhOV5XMkn5BzCpgPU/view?usp=drive_link	Industry oriented new courses can be added	https://drive.google.com/file/d/1ssDU-7W5TKpkT6qhOV5XMkn5BzCpgPU/view?usp=drive_link
Elect. & Tele. Comm.	Feedback was taken on curriculum through course exit feedback	As per the suggestion in Teaching Learning changes carried. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVj9Nd692oM7d3rL?usp=sharing	Need to add content related to IoT, STM needs to upgrade as per the industry requirements, Skill Courses need to add	IIoT included in new course EI at SY level, STM is included in course content, Skill courses added and Industry experts are appointed for teaching the courses. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVj9Nd692oM7d3rL?usp=sharing	Training on SQL, Cloud, IoT	SQL Training arranged, Cloud courses included in the curriculum, IoT-based workshop and guest lectures arranged https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVj9Nd692oM7d3rL?usp=sharing	Product implementation-based topics included in the curriculum, Cyber security needs to add, EDA tool can be part of lab sessions, Verilog, System Verilog, UVM can be covered in the VLSI course.	Design thinking course included in the new curriculum. The electronic workshop is the course help student for product development. EDA tool and Verilog covered in curriculum. https://drive.google.com/drive/folders/1M08KfN0h0a5MeFH_pVj9Nd692oM7d3rL?usp=sharing

School	Students		Teachers		Alumni		Industry	
	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action	Suggestions received	Corrective action
Mechanical	More emphasis on practical and skill courses may be given, employability courses may be added.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwq/view?usp=sharing	Industry visits and trainings need to be increased.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwq/view?usp=sharing	Need more research and practical related orientation programmes	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwq/view?usp=sharing	Project based learning may be promoted. Industry -Institute interaction should be increased.	https://drive.google.com/file/d/1TsT5noFf3S-vhmylbmL2QrwG8DTTEaAwq/view?usp=sharing
Humanities and Engg Sci.	-	-	-	-	Skill based courses to be introduced	https://drive.google.com/file/d/1o4nWt8x4JLKfGqLAy5Pp5jg8bcTBf9Qv5/view?usp=sharing	Recent trends to be added	https://docs.google.com/spreadsheets/d/1G-hITKhPzePy-lqCfmoH2vRfP1UzBMw5SdUo1XiT8_4/e/dit?usp=sharing
Design	Students expect more methodical/ structured input in every course	Preparing F1-F3 before course is helping faculties build this	Not getting sufficient time for course preparation.	Trying to find out 1-2 hours per week for self study	NA	NA	Including assignments based on newer technologies, Early exposure to emerging technologies	Included assignments based on smart products/technologies in PROJECTs in 3rd & 4th year



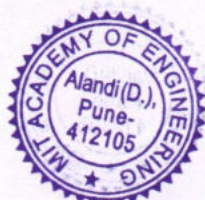
Annexure – VI Academic audits

School	Internal		External	
	Date of Audits	Observations/suggestions	Date of Audits	Observations/suggestions
Chemical	ISO Internal Audit was completed on: 10/1/2023	https://drive.google.com/file/d/1NwHA8XMhl4JmX31ZsoBVVq1mPDkZRMiSe/view?usp=sharing	7/4/2023	https://drive.google.com/file/d/1D3UQXF6fmKltpstLKDYf3FiSYmwq2T77/view?usp=sharing
Civil	ISO Internal Audit was completed	https://drive.google.com/file/d/1tN3egd9l-9Z1H7HMiBufktHqzg-76-/view?usp=drive_link	21/04/2023	https://drive.google.com/file/d/1hVt2TiqjBrPFr09rwmOepugcEn9GNliC/view?usp=drive_link
Computer	ISO Internal Audit was completed		17/03/2023	https://drive.google.com/file/d/1eySumoNXumkCPnxvqcmkNC_qMY4C0FkJ/vi ew?usp=drive_link

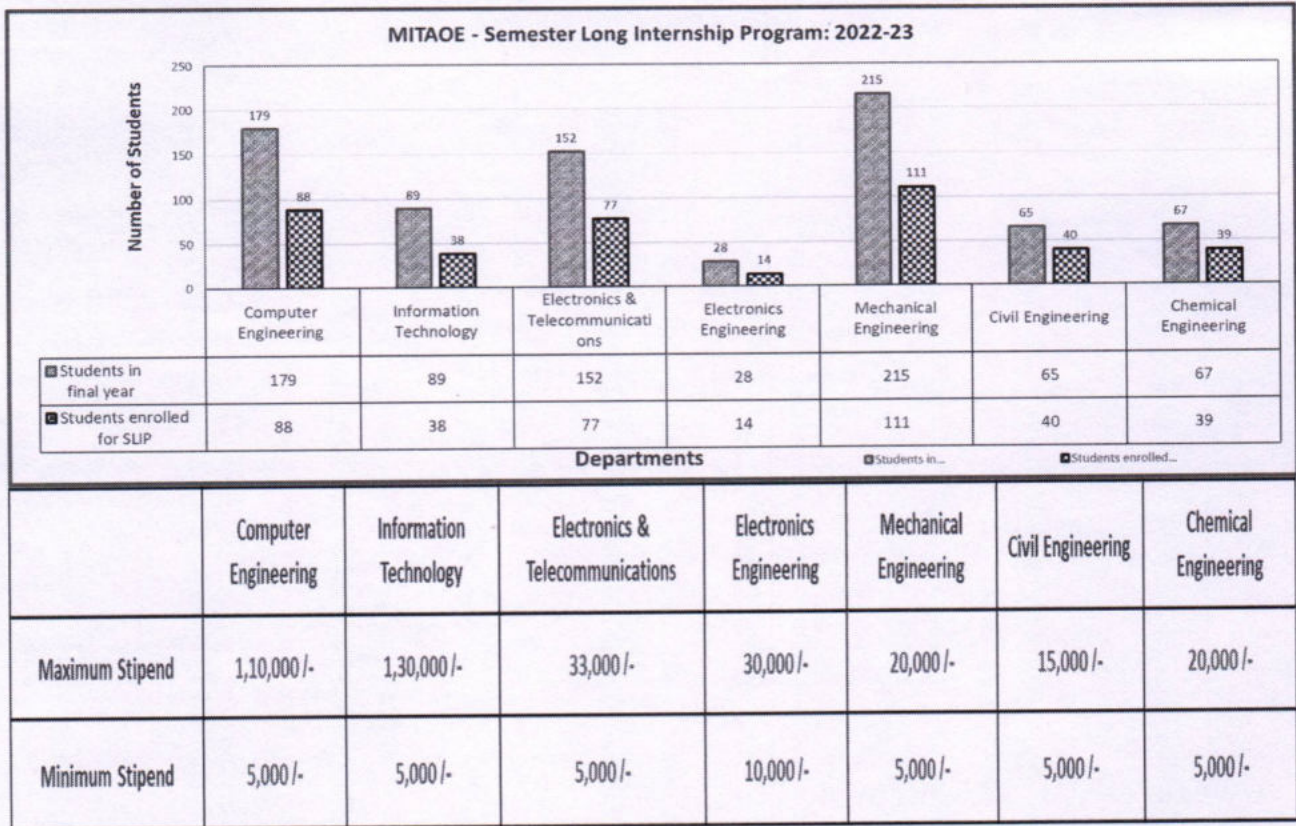
School	Internal		External	
	Date of Audits	Observations/suggestions	Date of Audits	Observations/suggestions
Elect. & Tele. Comm.	ISO Internal Audit was completed on: 01/09/2023	Teaching Learning Process Found OK, All documents are maintained properly.	06/04/2023	https://drive.google.com/drive/folders/1M08KfN0h0a5MeFHpV9Nd692oM7d3rL?usp=sharing
Mechanical	ISO Internal Audit was completed on: 19/1/2023	https://drive.google.com/file/d/1cN8d4Ecc0C6sibNjFUS7t97cJ4RmAPty/view?usp=sharing	12/4/2023	https://drive.google.com/file/d/1KXjCYbfv5zDCsXngEzLGGn h2IROq2iof/view?usp=sharing
Humanities and Engg Sci.	ISO Internal Audit was completed		To be conducted in Last week of September	
Design	Internal review happens Every fortnight	Suggestions are minutes and considered for next sem courses or next year's courses	Jury feedback is equivalent to external audit for PD, CD & UX as students present all courses of that semester to external jury. External juries are always from Industry only.	feedback/suggestions are received as email from external jury. Inputs are considered for next semester courses.

Annexure – VII Result analysis

School	First Year		Second Year		Third Year		Final Year	
	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)	% Result (Without Backlog)	% Result (With Backlog)
Chemical	NA	NA	36	95	45	97	52	97
Civil	NA	NA	66.67	93.54	42.42	92.42	93.85	93.50
Computer	NA	NA	60	95	76.02	98.60	94.74	100
Elect. & Tele. Comm.	NA	NA	38	60	89.6	98	90	100
Mechanical	NA	NA	41.5	92	43.56	90	76.45	95
Humanities and Engg Sci.	50.65	82.45	NA	NA	NA	NA	NA	NA
Design	93	100	94	100	93	100	NA	NA

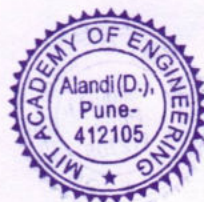


Annexure VIII T&P Activities: Placement



T&P Activities: Student Support & Progression

Sr. No.	Students Support & Success	Target	2022-23
1	Employability- Training programs	10	12
2	SIP(Industry) – No. of students	450	684
3	SIP – No. of industry offers	400	208
4	SLIP – No. of students	200	407
5	SLIP – No. of industry offers	80	148
6	Placement – No. of students	480	601
7	Placement – No. industry offers	330	278
8	Placement - Average Salary (in Lakhs)	5.4	6.05



Annexure IX Alumni activities

• Alumni Contributions:

- Mr. Akash Dubal, Sr. Manager, Acrayton Ltd. Chakan, Alumni 2017 Mechanical provided sponsorship of Rs 80000 in terms of Machining Operations i.e. welding to Niyudrath and Go Karting club.
- Mr. Kaustubh Marudwar, CEO Kaustubh Enterprises Bhosari, Alumni 2017 Mechanical, I provided sponsorship of Rs 65000 in purchasing the sheet metal for development of cars of Niyudrath and Go Karting club.
- Ms. Payal Mhaske, Mr. Sarang More, Ms. Ankita Deshmukh, Mr. Amitkumar Mishra, and Mr. Charahus Naigonkar sponsored for SCICON MITAOE for the Awards.
- PRAKALP event was organized on the 10th and 11th of March 2023. It was a national-level paper and poster competition. The following Alumni provided the sponsorship:
 - Mr. Grish Kadam 10,000/- Director, Fidel Engineers Pvt. Ltd. Pune
 - Mr. Basavraj Patil 10,000/- Director, Hub India Pvt Ltd.

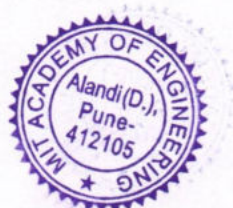
Alumni activities

Alumni met at International Level: Hyde Park London on 8 July 2023



MITAOE Alumni Association conducted Alumni meet at Hyde Park London on 8th July 2023 for the alumni who are around the city. Prof. Dr. Yogesh Bhalariao and Prof. Dr. Sunita Barve madam have attended the meeting in physical mode. Director Prof. Dr. Mahesh Goudar along with all Deans and Alumni coordinators.

Key Performance Indicators	Target	Achieved
Alumni Activities	80	81
Alumni meet (school/institute level)	8	8
Alumni meet – Student involvement	800	720
Alumni - Sponsorship (Nos.)	7	8
Alumni – Internship / placement offers	80	74
Distinguished Alumni – Recognition	7	12
Appreciation	40	33



Annexure X Students club activities

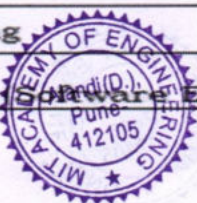
Key Performance Indicators	22-23 (Targets)	Achievement	Key Performance Indicators	22-23 (Targets)	Achievement
Competitions and Events Participation			MITAOE Club Events- Organization		
Technical- Participation (Nos.)	350	189	MITAOE Clubs (Cumulative Nos.)	28	28
Number of Technical Competitions	35	19	Club events (Cumulative Nos.)	150	67
Number of Technical Achievements	45	19	National level technical event (Nos.)	2	2
Total number of students participation in various student events	1500	1060	Sports events (Nos.)	3	3
Total number of students Achievements	80	58	Youth events	TEDx, Under25	TEDx
Number of events / competitions to be participated	100	69	Social Internship Number of Social internships	2	0

Annexure XI. Entrepreneurship cell activity

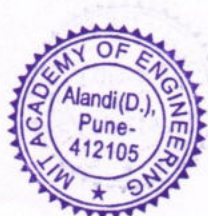
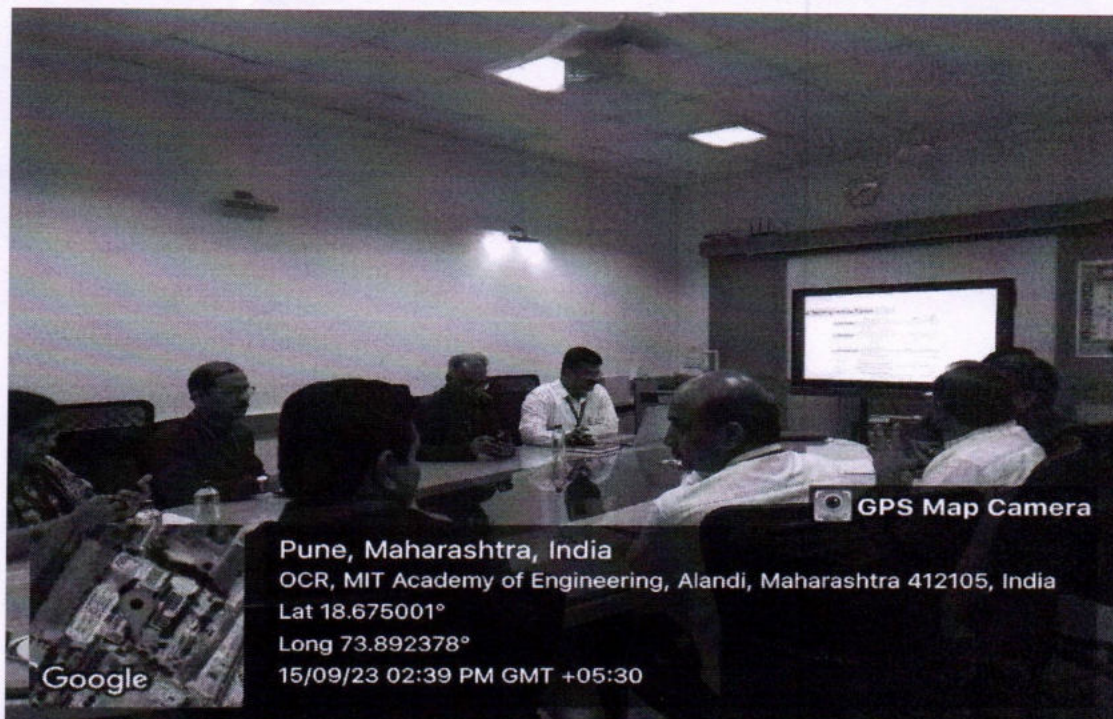
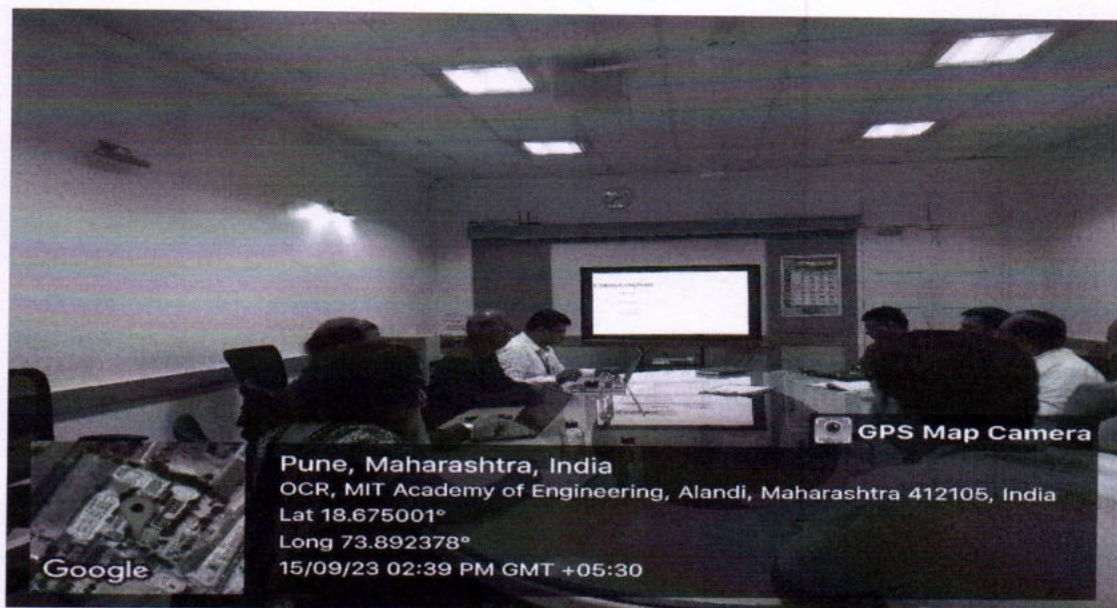
Key Performance Indicators	22-23 (Targets)	Achievement
Innovation and Entrepreneurship Awareness and Promotional activities	12	11
Networking	6	8
Upskilling and Outreach program	4	6
Alumni engagement activities	4	6
Project to Product (P2P) Transformation Program	6	4
No of student startup	15	14
Infrastructure and facilities – Incubatee Seating space	15	12
Patents at MITAOE EDF	6	3
Crazy quilt with mentor investor and channel partners	25	16

Annexure XII First admission and cut-off for year 2023-24

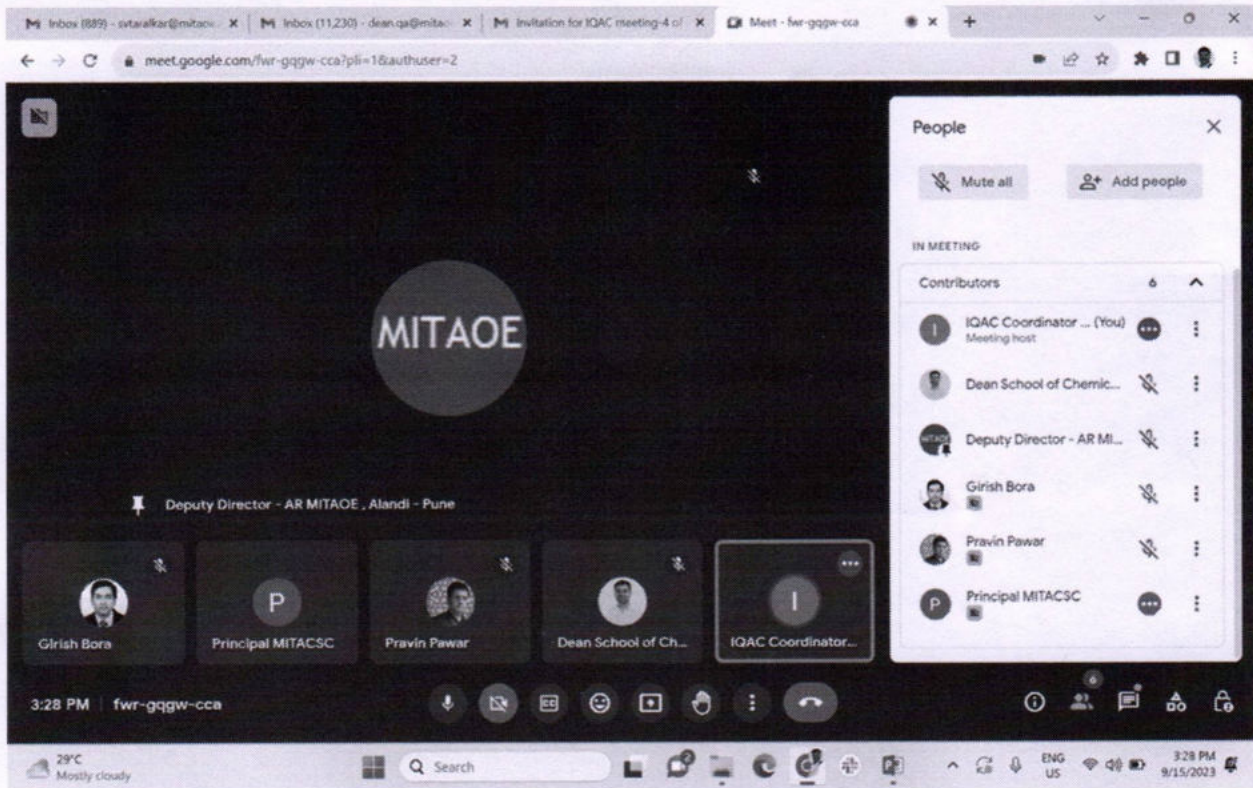
Sl.N o	Name of the branch	Cut off (Open) 2023-2024
1	Civil Engineering	84.05
2	Chemical Engineering	86.97
3	Computer Engineering	97.62
4	Electronics Engineering	89.35
5	Electronics and Telecommunication Engineering	93.21
6	Mechanical Engineering	85.34
7	Computer Engineering (Software Engineering)	95.15



Meeting Photos



Attendance



Handwritten signature in blue ink.

