Criterion 1 - Curricular Aspects

Board of Studies meeting details for Last five years

Dr. Mahesh D. Goudar
Director
MIT Academy of Engineering
Alandi (D) Pune - 412105

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

MIT ACADEMY OF ENGINEERING ALANDI (D). DIST. PUNE

MIT Academy of Engineering, Alandi, Pune

Department of Chemical Engineering

Minutes of Meeting of Board of Studies

Date- 09/11/2017

Board of studies meeting of Chemical Engineering department held on November 9, 2017 at Old conference room, MIT AoE, Alandi, Pune. Following members were present:

1. Dr. S. V. Taralkar (Chairman)
2. Dr. K. C. Ghanta (VC Nominee)
3. Dr. S. D. Manjare (Member, Academic)
4. Dr. U. K. Kharul (Member, R & D)
5. Mr. K. Mulemane (Member, Industry)
6. Mr. M. Senthilkumar (Member, Faculty)
7. Dr. P. N. Sutar (Member, Faculty)
8. Mr. S. P. Shewale (Member, Faculty)
9. Mr. S. S. Gandhi (Member, Faculty)
10. Ms. M. D. Sardare (Member, Faculty)
11. Ms. A. Gode (Member, Faculty)
12. Mr. V. A. Tarange (Member, Faculty)
13. Mr. V. D. Pakhale (Member, Faculty)
14. Dr. R. G. Mohite (Member, Faculty)
15. Ms. R. R. Sonolikar (Member, Faculty)
16. Mr. N. H. Bhatt (Member, Faculty)

Leaves of absence were granted to following members of BOS:

1. Dr. V. S. Sapkal
2. Dr. S. H. Vaidya
3. Mr. Vinit Kale

The main agenda of discussions were

1. SY B.Tech courses and
2. TY B.Tech proposed curriculum and
3. Minor Baskets.

Initially Dr. Taralkar gave welcome to all the members of Board of Studies.

A. S.Y. B.Tech Autonomy courses :

- Dr Taralkar made the presentation of the S.Y. B.Tech. Cycle I and Cycle II subjects, teaching pedagogy followed, LMS used and the analysis of the Result, feedback of the students about the faculty as well as the Course.
- The BoS members appreciated the efforts taken by all the faculty members who had taught in the earlier cycles.
- They visited the classroom and had observed the activities inside the classroom and had interactions with the students.
- They observed that the course, Material and Energy Balance should be followed with Chemical Process Calculation.
- Also the members have felt it is better to swap the Chemical Engineering Operations course in III sem with the Momentum transfer course in IV sem.

B. T.Y. B.Tech Proposed Curriculum :

- Dr. Taralkar presented the curriculum structure of T.Y. B.Tech.
- The Champions of the different courses gave the presentation of the respective courses, proposed in the T.Y. B.Tech in Sem V and Sem VI.
  Following points are discussed for the respective courses.

INDUSTRIAL TECHNOLOGY-

- Add basics of Petrochemical sector.
- Change the name of subject from "Industrial Technology" to "Chemical Technology".
- Give 50-50 weight-age to both, inorganic as well as organic chemical industries.
- From Chlor-alkali section, the applications of hydrogen can be removed.

CHEMICAL ENGINEERING THERMODYNAMICS-

- Reduce the portion of solution thermodynamics.
- No. of units can be reduced and no. of teaching hours can be increased leading to slow-pace teaching.

PROJECT MANAGEMENT-

- The name of Unit-5 must be changed from "Project learning" to "Project completion".
- The topic of 'Project review and report' is more appropriate under Unit-4 instead of present Unit-5.
- This subject can be offered little later; either in semester 6 or 7 rather than semester 5.

SOFT SKILLS-

- The name of subject is not appropriate. It can be changed to "Management and Industrial Communications".
- Include formatting and spell checking portion in the syllabus.
- Written and oral communication may be added as Unit-4.

HEAT TRANSFER-

- Basics of conductors and insulators must be added.
- How heat transfer by any mode takes place at molecular level must be taught to students.
- More emphasis can be given on heat transfer coefficient and rate of heat transfer.

DISCIPLINE LAB-

- The title of the subject can be changed to "Computational techniques".
- In CO 2, 'methods' can be changed to 'equations'.

SIMULTANEOUS HEAT & MASS TRANSFER-

- Unit-6: Evaporation should be taught first.
- The title of the subject is not aligning with the content as much content is related to Mass transfer only.
- 'Theory of evaporation' must be added as a topic.
- The word 'operation' can be added to the title of the subject.

SEPARATION PROCESSES-

- A separate unit of Membrane processes should be added as it is a growing sector.
- No. of hours of 'Adsorption' can be reduced to 3-4.
- Instead of focusing only on 'Langmuir isotherm', it can be generalized to 'isotherms' in list of practicals.

CHEMICAL REACTION ENGINEERING-

- The course contents should be reduced; especially, unit-5.
- The preparation of catalyst portion can be removed as it is already covered in advanced chemistry.
- Reactor design for 'Multiple reactions' and 'Single reaction' don't require separate units.
- Introduction to nanotechnology can be added in catalyst portion.

CHEMICAL EQUIPMENT DESIGN-

- It must have open book examination.
- It would be better, if the design is oriented towards lesser consumption of material of construction for a given capacity and condition.
- GATE syllabus can also be considered.
- Designing of dryers and evaporators can be generalized to design of different types of columns.

C. **Minor Baskets:**

PIPING ENGINEERING-

- The overlapping of contents of syllabus among different subjects of the same basket must be avoided.

PROCESS ENGINEERING-

- In Process Modelling and Simulation, there is no need to go much in depth. It must be started from basics and cover only basics.
- Economics can be included as optimization without economics is incomplete.

Other Suggestions:

- Environmental engineering should be added as a minor basket instead of Energy or Risk management or even as fifth basket of minor.
- For interdisciplinary subjects, the teachers must be multidisciplinary.
- Chemical product design can also be offered to students.
- Stress should be given on self-learning and the faculty just has to ensure that the student is learning.
- The minor baskets can be formed at institute level instead of department by gathering of teachers of different departments.

Chairman
Board of Studies

MIT | Academy of Engineering

DEPARTMENT OF CIVIL ENGINEERING

Board of Studies meeting

Date of Meeting: 11th November 2017

Time of meeting: 10:00 A.M. to 12:00 Noon.

Location of meeting: Old conference room, MIT AOE Campus, Alandi

AGENDA

1. Welcome & Introduction by Chairman of BOS
2. Presentation by Head of Department
3. Minutes from previous meeting
4. Presentation by respective subject champions of T.Y. B.Tech
5. Discussion about structure of Second Year & Third Year of B.Tech
6. Discussion & Finalization of Syllabi for Third Year B.Tech
7. Discussion about Open Electives offered by Civil Engineering Department
8. Conclusion / Summary

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

Dr. Satyavathi Nath
Chairman & Head
Department of Civil Engineering

MIT Academy of Engineering, Alandi (D)

Department of Computer Engineering

Board of Studies

Date: 12th Nov 2017

Minutes of Meeting

The Board of Studies meeting was held on 7th Nov 2017 on different agenda as per invitation given on 29th Oct.2017.

Venue: Hardware Lab, Computer Engineering.
Time: 3.00 pm to 7:30 pm

Following members were present for the Meeting:

1. Dr.Shitalkumar A Jain	Chairman	2. Dr. Shashikant Ghumbre	University Nominee
3. Dr. Kailas Patil	Industry Expert	4. Mr. Sagar Shinde	Industry Expert
5. Ms.Ashwini Abhale	UG Alumni	6. Faculty Members Computer Department	Members

The main agenda for discussion were:

1. TY BTech curriculum structure - review
2. TY BTech courses - review and suggestions
3. Finalization of TY BTech course and structure
4. Finalization of SY M.Tech Trimester IV Electives
5. Discussion about SY BTech course delivery

All the externals members arrived at 2.00 PM in the department, initially overall agenda was discussed with BOS members in the HOD office. The meeting started at 3.00 PM in the Department Library.

Dr.Shitalkumar A Jain, has introduced, all BOS experts, followed by a TY B.Tech structure presentation by Mr. Manish Giri, autonomy coordinator. He has explained all the courses and their credits structure and evaluation scheme also. Apart from this, Mr. Giri, has given detailing about inclusion of Minor Courses Buckets (Open Electives) in the 5th SEM onwards.

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Mr. Sagar Shinde raised question about Selfstudy & Further reading,

Dr. Shitalkumar A Jain, explained the self study and further reading concepts, all BoS members appreciated the concept.
Dr. Shashikant Ghubmre, raised a question about project conduction in block study,
Dr. Shitalkumar A Jain, explained detailing about project statements & conduction, Dr. Ghumbre has suggested establishment of different references such as Forums, Groups and URL for project conduction.

All TY B.Tech Champions and Instructors presented their respective proposed Courses in SEM V and VI, to BOS Members.
Few core courses and their discussion as well as suggestion are as follows for respective courses during meeting:

Theory of Computation : Mr. Avinash Thakur has presented the course.
Suggestions:
1. Practical Scenarios to be included & use of freeware tool.
2. Restriction on syllabus, with proper planning of concept boundaries for the basics of TOC
3. Ms. Ashwini suggested, content reduction in unit no.1 & to increase no.of hours for unit no.2

Digital Communication System: Mr. Santosh Warpe has presented the course.
Suggestions:
1. Change of Course Name
2. Inclusion of physical layer concepts
3. Dr. S.S. Ghumbre suggested, protocol inclusion with data sheets and its Analysis.
4. Focused Specification to be included in case study part & real time examples to be included.
5. Dr. Kailas suggested, inclusion of Trace route where as Mr. Sagar suggested to incorporate different networking tools such as Wire-shark, NS2/NS3
6. Dr.SS Ghumbre suggested to give more wattages to core part, also generic assignments with specific names are suggested by him.

Now, Course name has been changed to Data Communication And Networking, where as all basics of networking will be covered in Unit No 1 and Unit No.2

Operating System: Ms. Diptee Ghuess has presented the course.
Suggestion:
1. Appreciated the course and suggested to include real time examples in Application, case study or System part.
2. CO-PO Mapping was discussed for OS, by Dr. S.S. Ghumbre and he suggested minor changes in it.
3. Remaining course was appreciated by all BOS Members.

Advance Computer Architecture: Mr. Sanjay Ghodke has presented the course.
Suggestions:

1. All units need to be revisited for modifications as CO & CA two courses are merged in the present course.
2. Name of the processor to be specifically given in case study or application part.
3. Inclusion of ARM Processor, Memory Management to be included as self study component.
4. BoS members suggested to include, Intel- Multiprocessor/ GPU in the course.
5. Apart form this, inclusion of Bus Technology, practical session based on Nvidia/Graphics cards are also suggested.

Mr. Sanjay Ghodke, explained detailed practical lab session including inclusion of Rasberry- Pi, Ardino and other processor cards uses in lab session.

Compiler Design: Ms. Bhagyashri Alhat, has presented the course
Suggestions:

1. Course should be inline with Theory of Computation for avoiding content redundancy.
2. Suggested to keep 6-7 assignments in Practical session and rest to be included in mini project part.
3. Unit no.5 to be revisited to update name of tools, specific case study/Application.
4. Suggested to include, JET Compilers in the course.

Design and Analysis of Algorithm: Ms. Neha Hajare, has presented the course
Suggestions:

1. All assignments are appreciated by BoS Members.
2. Specific Case study/ Application to be included in unit no.2 & 3
3. Suggested to decide boundaries of contents in the course

Other points were also discussed such as block study, course conduction and Evaluation patterns during the BOS meeting. BoS members discussed about students Minor track selections and suggested to keep all courses open instead of Buckets.

Review and finalization of T.Y and Final Year B. Tech Structure: As per issue raised by BOS Chairman, Dr. Shitalkumar .A. Jain, rethinking of minor degree is suggested by the BOS members. Overall structure was appreciated and most of the representatives of UG and PG, research group faculties of Computer department were satisfied with structure and accepted by all BOS members.

Review and finalization of SY M.Tech Trimester IV Electives: As per the issue raised by BOS Chairman, Dr. Shitalkumar A Jain, all SY M.Tech trimester IV courses were presented to BOS members and discussed in details. All BOS Members agreed up on elective courses offered and course were quite appreciated by the Board Members.

Review on Course Delivery of SY B.Tech :

1. Dr. ShitalKumar A Jain, made the presentation of the S.Y. B.Tech. Cycle I and Cycle II subjects,teaching pedagogy followed, LMS used and the analysis of the Result, feedback of the students about the faculty as well as the Course.
2. The BoS members have appreciated the efforts taken by all the faculty members who had taught in the earlier cycles.
3. BoS members, observed that the course, Material and Energy Balance should be followed with Core discipline subjects and more time should be given for SY B. Tech core subjects.

1. Dr. ShitalKumar A Jain
2. Dr. Shashikant Ghumbre
3. Dr. Kails Patil
4. Mr. Sagar Shinde
5. Ms. Ashwini Abhale.

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1. Dr. Shitalkumar A Jain (Chairman)
2. Dr. Shashikant Ghumbre (University Nominee)
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4. Mr. Sagar Shinde (UG Alumni)
5. Ms. Ashwini Abhale (PG Alumni)

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Department of E&TC Engg.

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AGENDA – BoS MEETING

DAY	Friday	DATE	3/11/2017
TIME	12 noon	VENUE	Old conference Room (A007)

S.No.	Activity	Time
1	Welcome Address	12:00 noon - 12:05 p.m.
2	Review of T.Y.B.Tech Syllabus	12:05 a.m. - 1:30 p.m.
3	Lunch	1:30 p.m. - 2:30 p.m.
4	Discussion of Vision, Mission, PEOs, POs & PSOs	2:30 p.m. - 3:00 p.m.
5	Open Discussion and Suggestions	3:00 p.m. - 3.30 p.m.
6	Vote of Thanks	3:30 p.m. - 3:35 p.m.

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

Kavita S. Menon

Member Secretary

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Date: October 31, 2017

Work Distribution for the Board of Studies (BoS) Meeting

Sl. No.	Work Assigned	Responsible Person
01.	Old Conference Room arrangements • Laptop and Projector setup and testing • Working conditions of AC and lights • Hospitality	Sanjeev Ranjankar Ashitosh D. Chavan
02.	Photographs during the sessions • Photographs of the experts • Photographs of the BoS members	Anjali A. Deshpande Shilpa T. Shingare
03.	Skype Setup in Old Conference Room • Connectivity • Login Credentials	Shailesh R. Shinde
04.	Food and Hospitality • Proper arrangement of Breakfast, tea / coffee and Lunch. • Management of the Breakfast, tea / coffee and Lunch for the experts	Nikhil R. Shimpi Swapnil D. Daphal

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

Work Distribution for the Board of Studies (BoS) Meeting

Sl. No.	Work Assigned	Responsible Person
05.	Transport facility for the expert (s) • Vehicle arrangement • Receive the expert (s)	Mandar R. Nalavade / Prashant K. Aher
06.	Honorarium • Advance Requisition • Advance Sanction	Ashish Srivastava Dr. Subhashish D. Tiwari
07.	Minutes of Meeting • Points to be noted during the session • Experts suggestions and reviews	Event Coordinator Aniket D. Gundecha Sandep S. Nagre
08.	Welcome the BoS members • Agenda of the BoS meeting	HoD
09.	Vote of Thanks	Event Coordinator

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

Event Coordinator

Sandip S. Lokhande
HOD (E&TC Engg.)

Contact Details of BoS Members

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5	Dr. Bharat S. Chaudhari	9823248505	bharat.chaudhari@mitpune.edu.in
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MINUTES OF MEETING NO. 1

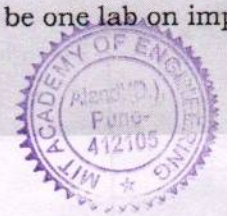
DAY	Friday	**DATE**	03/11/2017
TIME	11.30 AM to 4.00 PM	**VENUE**	OLD CONFERENCE ROOM (A007)
ATTENDEES	BoS Members		

MEMBERS PRESENT	LEAVE OF ABSENCE
SSL, Dr. MAJ, BSS, ADK, Dr. ANC, AA, Dr. DA, BNS, PRR, VBK, SK, SSK, NVB, ADG, SAB, SSP, VAK, NRS, AKK, PKA, KAM, AVN, AS, SDD, SSN, MCV, ADC, Dr. ST	Dr. SP, Dr. BSC, Dr. MM, Dr. PVS, KSM

The Chairman welcomed all the members of the Board. He introduced the external members and the internal members introduced themselves to the external members. The forum was then opened for discussion.

Agenda: T. Y. B. Tech Course Structure and Syllabus

1. The Chairman briefed about the last minutes and the agenda for the current meeting.
2. The course structure and syllabus was briefed to the members. They were of the opinion that for 5 credit courses, the total number of teaching hours should be between 40-45 hours and accordingly it should be followed for other credits. The pre-requisites for all open-elective courses should be reviewed and should be such that students from other branches can opt for the same. Hours for all units may not be uniform. Artificial Intelligence and Machine Learning can be included in the curriculum wherever possible. More weightage should be given to internal assessment. End course evaluation marks can be reduced. The name of the Department Elective Course 'Computer Vision' may be changed to 'Machine Vision'. The Department Electives Digital Image Processing and Computer Vision may be clubbed.
3. Discussions were done on the Discipline Core 'Control Systems'. The champion of the course, ADG briefed about the curriculum.
   - Theory hours should include Theory (3hrs) + Tutorial (1hr).
   - There should be one lab on implementation of PID algorithm using C program.



4. Champion of the course 'Communication Systems Engineering', SAB briefed a the curriculum. Following were the suggestions from the BoS members:
   - Syllabus from unit I, 'Random Variables & Stochastic Processes' to be covered in Engineering Mathematics course.
   - Similarly, in unit II, some basics of electronic communication like channel bandwidth, communication modes, frequency spectrum etc. can be included in First Year Engineering. The above changes of Unit I and Unit II can be done in the next revision.
   - Lab experiments on open source software platforms like Octave, Scilab to be designed to promote the use of open source software platforms.
5. Champion of the course 'Microcontroller and Interfacing', AVN presented the curriculum. As per the BoS members, whatever the champion & respective members have planned and explained regarding the curriculum was good, but has to be reflected on paper. They also gave the following suggestions -
   - Syllabus needs to be more elaborative with specific terms.
   - Action verbs in the first Course Outcome (CO) need to be replaced with more appropriate ones.
   - Few topics need to be revisited as it is repeated in two units.
   - Problem statements for practical should be specified.
6. Champion of the open elective course 'Embedded System Programming', NRS briefed about the curriculum. Following were the suggestions:
   - The members were satisfied with the syllabus contents.
   - Focus should be on the applications of all branches.
7. Champion of the open elective course 'Switching & Transmission Technology', Dr. ST briefed about the curriculum. The following points were suggested by the BoS members:
   - Hours allotted per unit needs to be changed.
   - Case Study and Demo needs to be included.
   - Practical to be made such that students of all branches are able to perform. It was proposed that more lab sessions should be on-site at BSNL or some other telecom company.
8. Champion of the course 'Discipline Lab', AS briefed about the curriculum.
   - Members appreciated the overall syllabus.

- The course champion may interact with Dr. Agashe of COEP.
- Practicals titled LabVIEW Charts and LabVIEW graphs may be merged. The overall hours may be reduced to 4 hours instead of 4 + 4hours = 8 hours.

9. Champion of the course 'Digital and Microwave Communication', MRN briefed about the curriculum. Following suggestions were given:
   - Include field visits to GMRT and other such industries.
   - Majority of contents of microwave engineering are similar to the syllabus of COEP. But as it is fundamental, it is essential in the syllabus.
   - If possible, one software experiment to be included.
10. Champion of the course 'Digital Signal Processing', NVB briefed about the curriculum. The BoS members suggested following changes:
   - The Teaching Scheme should be revised and a tutorial should be included (for self- study problem solving sessions) along with theory and Lab for Unit no. 2.
   - In Unit 4, random signal for speech processing to be included.
   - In Unit 5, FPGA cortex should be included with DSP implementation. 'C' programming to be used for DSP Processor instead of assembly language.
   - Unit 6 may be removed (video processing).
   - Number of hours for labs should be reframed.
11. Champion of the course 'Broadband Antenna Design', Dr. DA briefed about the curriculum. Following were the suggestions:
   - The course contents need to be revised.
   - The name of the course needs to be changed.
   - Syllabus seems to be very heavy.
   - Number of experiments should be more.
   - Lab hours must be 4-8 hours
   - Syllabus should contain more of self-study component.
12. Champion of the course 'Advanced Microprocessors', MCV briefed about the curriculum. The suggestions by BoS members were:
   - Course objectives to be changed as per syllabus.
   - Problem statements should be specific for the lab sessions 1, 2, 3 & 4.

13. Champion of the course 'Information and Broadband Technology', SSP briefed about the curriculum. As per the members, part of digital communication to be added in the syllabus.

14. Discussion on Program Vision, Mission, PEOs and PSOs was done. Following were the suggestions:

    - The Program Vision, Mission, PEOs and PSOs seems to be good.
    - However, in Vision statement, certain words may be replaced. The words 'sense of responsibility and moral ethos' may be replaced with 'human values'.
    - Vision should reflect 'self-reliance' of students.
    - Mission should contain 'employability' related action.
    - PEO's seems to be good but may be revised according to the revisions in the Vision and Mission.
    - 'Modern tool usage' may be added in PSOs.

15. Meeting concluded with a vote of thanks proposed by SSK.

Kavita S. Menon
Member Secretary

Sandip S. Lokhande
Chairman - BoS

Copy to,

1. Director Office
2. Coordinator – Autonomy Core Committee
3. Dept. Record File (D7)
4. All BoS Members (through mail)

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ATTENDANCE SHEET : BOARD OF STUDIES

Day	Friday	Date	03.11.17
VENUE	A-007	Time	12.00 noon

Sr. No.	Name		Designation	Sign
1	Sandip S. Lokhande	(SSL)	Chairman	
2	Dr. Madhuri A. Joshi	(MAJ)	Representative - Academics	MA Joshi
3	Bhalchandra S. Satpute	(BSS)	Representative - Industry	
4	Dr. S. Purushothaman	(SP)	Representative - Industry	—
5	Abhijit D.Kamble	(ADK)	Representative - Research	
6	Dr. Bharat S. Chaudhari	(BSC)	Representative - Professional Society	—
7	Dr. Alice N. Cheeran	(ANC)	Representative - University	
8	Dr. Mohit Mehta	(MM)	Dept. Alumnus	—
9	Ankan Ashish	(AA)	Dept. Alumnus	
10	Dr. Prasheel V. Suryawanshi	(PVS)	Member	—
11	Dr. Debashis Adhikari	(DA)	Member	
12	Bhairavi N. Savant	(BNS)	Member	BNSavant
13	Prachi R. Rajarapollu	(PRR)	Member	
14	Vinayak B. Kulkarni	(VBK)	Member	
15	Satish S. Kabra	(SK)	Member	
16	Smita S. Kulkarni	(SSK)	Member	
17	Nutan V. Bansode	(NVB)	Member	
18	Aniket D. Gundecha	(ADG)	Member	
19	Sonali A. Bhagwatkar	(SAB)	Member	
20	Smita S. Pawar	(SSP)	Member	
21	Vaishali A. Katkar	(VAK)	Member	
22	Nikhil R. Shimpi	(NRS)	Member	

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Sr. No.	Name		Designation	Sign
23	Aniket K. Kemalkar	(AKK)	Member	
24	Prashant K. Aher	(PKA)	Member	
25	Kaliprasad A. Mahapatro	(KAM)	Member	
26	Amit V. Nagarale	(AVN)	Member	
27	Ashish Srivastava	(AS)	Member	
28	Swapnil D. Daphal	(SDD)	Member	
29	Mandar R. Nalavade	(MRN)	Member	
30	Sandeep S. Nagre	(SSN)	Member	
31	Mahesh C. Vibhute	(MCV)	Member	
32	Ashitosh D. Chavan	(ADC)	Member	
33	Dr. Subhashish Tiwari	(ST)	Member	
34	Kavita S. Menon	(KSM)	Member Secretary	—

MIT ACADEMY OF ENGINEERING
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Pune-
412105

MINUTES OF MEETING NO. 16	
ACADEMIC YEAR	2017– 18
DATE	07/11/2017
VENUE	Old conference Hall
TIME	2.30 p.m. to 5.30 p.m.

MIT | Academy of Engineering

Department of Electronics Engg

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FACULTY & STAFF PRESENT	*LEAVE OF ABSENCE GRANTED TO:*
UYV, DYS,SAK,ABC, SRP, SKR, SPS, ,DMD, PRU,MMB, VST,MHC, SSM,AKD,NPK,GRV, VTS, ,DDJ, PPK,	HRL,SAP

BOS meeting of Electronics Engineering was scheduled in the old Conference room on 7th November 2017 at 2.30 pm:

1. The meeting commenced with review of previous MOMs and further headed with HOD's presentation on the T. Y. B Tech teaching scheme and structure.
2. The concept of minors and honors was put forth by Prof. Rege madam. It was suggested that the minors should be opted by the students meeting minimum CGPA criteria. Minors should be over and above the electives.
3. **Discipline Lab-**
   - More practical approach should be added for the teaching component of this lab.
   - The softwares like PSPICE, MATLAB Simulink, LABVIEW can be covered in this.
   - DSP processor's component can be included in this.
4. Dr. M. D. Goudar has presented the CO PO attainment of SY B Tech system engineering.
5. The paper setting and paper checking approach was discussed.
6. T Y B Tech subject-wise presentation was delivered by the departmental faculties.
7. **Embedded System Design:**
   - The words like explain should be remove from the L4 level Cos.
   - The content delivery of Emulator was discussed.
   - It was observed that the self study component is heavy and should be diluted.
8. **Feedback Control System-**
   - The logic behind prerequisite was discussed.
   - Hela software introduced.
9. **Computer Communication Network-**
   - Practical should not be traditional approach.
10. **RTOS-**
    - RTX has less material for reference. The available course material should be provided.
11. **Discrete Signal Analysis-**
    - DSP processor should be covered in discipline lab.
    - Hard coding should be opted instead of inbuilt matlab function.
12. **Power Electronic Application-**
    - Remove explain from Cos.
    - The overall weightage of the subject is 125 marks.
    - Cos L6 should be removed.
    - First subject from minor basket is redundant for ETX student.
    - No of hours for the units should be well thought.

Copy to: 1.Principal Office, 2.Dept. Record File, 3.Faculty & Staff – ETX Engg. (through email)

13. Robotics-

- The mechanical people should be involved in the curriculum design.

14. Signal Processing-

- First subject from minor basket is redundant for ETX student.
- The topics like speech recognition, speaker dependent recognition, speaker independent recognition can be introduced .
- Projects like bird chirping should be included.
- Books of Khalid, Sayyud, Nall for signal compression should be included.
- Image and video compression should be included.
- Biometric, OCR, watermarking, remoistening application can be included.
- Segmentation , edge based, region based should be added in video processing.
- DCT, DWT should be added in signal compression
- Unit 2, 3 should be combined and hours should be redistributed.

7/11/17

D.Y.Sakhare.
Prepared By

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

Prof. UshaVerma
(HOD-ETX)
Approved by

Copy to: 1.Principal Office, 2.Dept. Record File, 3.Faculty & Staff – ETX Engg. (through email)

MIT Academy of Engineering

Department of Electronics Engineering

Engineering for better future

Accredited by NBA, 'A' Grade by NAAC, ISO 9001:2008 certified

Attendance Sheet (BoS Meeting)- 07th Nov. 2017

Sl. No.	Name of the Member	Representative Category	Signature
01	Mrs. Usha Verma Head of Department, MITAOE, Alandi (D), Pune	Chairman	
02	Dr. M. D. Goudar Dean Academic, MITAOE, Alandi(D), Pune	Dean & Professor	
03	Dr. Kavi Arya IIT Bombay, Mumbai	Representative – Academics	
	Dr. Mrs. P. P. Rege College of Engineering, Pune	Representative – Academics	
04	Dr. B. S. Choudhari Past Chairman, IEEE, Pune Center	Representative – Research	
05	Mr. S. K. Khedkar Chairman, IETE Pune Local Center	Representative – Professional Society	
06	Mr.Abhay Tambe Reanu Microelectronics, Pune	Representative – Industry	
07	Mr. Ganesh Banne S. G. Automation & Robotics, Pune	Representative – Industry	
08	Mr. Anil Bhat 'INDOASIAN' Legrand Group company, Pune Maharashtra.	Dept. Alumnus	
09	Faculty of the department	Members	

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

MIT Academy of Engineering

Department of Electronics Engineering
Engineering for better future
Accredited by NBA, 'A' Grade by NAAC, ISO 9001:2008 certified

List of Faculties (Present for BoS Meeting- 07th Nov. 2017)

Sl. No.	Name of the Faculty	Designation	Signature
01	Mrs. U. Y. Verma	Head	
02	Prof. Dr. M. D. Goudar	Dean & Professor	
03	Prof. P. S. Kasliwal	Associate Professor	
04	Mr. S. A. Pangaonkar	Sr. Assistant Professor	
05	Mrs. D. Y. Sakhare	Sr. Assistant Professor	
06	Mrs. S. R. Pawar	Assistant Professor	
07	Mr. S. A. Khandekar	Sr. Assistant Professor	
08	Mrs. S. K. Rudrawar	Assistant Professor	
09	Mrs. Vinaya Tapkir	Assistant Professor	
10	Mrs. M. H. Chavan	Assistant Professor	
11	Mr. S. P. Shinde	Assistant Professor	
12	Mr. Lodha Hitesh	Assistant Professor	
13	Mr. M. M. Bhalekar	Assistant Professor	
14	Mr. Promod Ubare	Assistant Professor	
15	Mr. A.B. Chavan	Assistant Professor	
16	Mr. D. M. Devare	Assistant Professor	
17	Mr. S. [illegible]. More	Assistant Professor	

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

MIT Academy of Engineering

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01	Mrs. Usha Verma Head of Department, MITAOE, Alandi (D), Pune	Chairman	
02	Dr. M. D. Goudar Dean Academic, MITAOE, Alandi(D), Pune	Dean & Professor	
03	Dr. Kavi Arya IIT Bombay, Mumbai	Representative – Academics	
	Dr. Mrs. P. P. Rege College of Engineering, Pune	Representative – Academics	
04	Dr. B. S. Choudhari Past Chairman, IEEE, Pune Center	Representative – Research	
05	Mr. S. K. Khedkar Chairman, IETE Pune Local Center	Representative – Professional Society	
06	Mr.Abhay Tambe Reanu Microelectronics, Pune	Representative – Industry	
07	Mr. Ganesh Banne S. G. Automation & Robotics, Pune	Representative – Industry	
08	Mr. Anil Bhat 'INDOASIAN' Legrand Group company, Pune Maharashtra.	Dept. Alumnus	
09	Faculty of the department	Members	

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

MIT Academy of Engineering

Department of Electronics Engineering

Engineering for better future

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05	Mrs. D. Y. Sakhare	Sr. Assistant Professor	
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09	Mrs. Vinaya Tapkir	Assistant Professor	
10	Mrs. M. H. Chavan	Assistant Professor	
11	Mr. S. P. Shinde	Assistant Professor	
12	Mr. Lodha Hitesh	Assistant Professor	—
13	Mr. M. M. Bhalekar	Assistant Professor	
14	Mr. Promod Ubare	Assistant Professor	
15	Mr. A.B. Chavan	Assistant Professor	
16	Mr. D. M. Devare	Assistant Professor	
17	Mr. S[illegible]. More	Assistant Professor	

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

MIT Academy of Engineering Department of Electronics Engineering Engineering for better future Accredited by NBA, 'A' Grade by NAAC, ISO 9001:2008 certified	**MIS Report of Event** BOS meeting for T.Y.Btech Syllabus and Structure Finalization

Reference No.: MITAOE/ETX/2016-17/ Date: 3/08/2017

1. **Name of the Activity / Event:** BOS meeting for T.Y.Btech Syllabus and Structure Finalization
2. **Approval letter No.($):NA**
3. **Date & Venue:** 07/11/2017
4. **Level of the Event:** Departmental
5. **Financial Support:** NA
6. **Name of the Coordinator:** Mrs.D.Y.Sakahre
7. **Organized for:** T.Y.Btech Syllabus and Structure Finalization
8. **Number of participants: NA**
9. **Resource Faculty:**

   Dr.P.P.Rege
   Dr.Abhay Tambe
   Mr.Anil Bhat
10. **Student Coordinator:** NA
11. **Reason to conduct the event (Give details of reference of trigger like: extra curriculum etc.):**

    To have the expert views of BOS on T.Y.Btech Syllabus and Structure.
12. **Benefits / Outcomes:** Detailed reviews on to strengthen the the curriculum were received
13. **Half page report:**

    BOS meeting of Electronics Engineering was scheduled in the old Conference room on 7th November 2017 at 2.30 pm:

1. The meeting commenced with review of previous MOMs and further headed with HOD's presentation on the T. Y. B Tech teaching scheme and structure.
2. The concept of minors and honors was put forth by Prof. Rege madam. It was suggested that the minors should be opted by the students meeting minimum CGPA criteria. Minors should be over and above the electives.
3. **Discipline Lab-**
   - More practical approach should be added for the teaching component of this lab.
   - The softwares like PSPICE, MATLAB Simulink, LABVIEW can be covered in this.
   - DSP processor's component can be included in this.

4. Dr. M. D. Goudar has presented the CO PO attainment of SY B Tech system engineering.
5. The paper setting and paper checking approach was discussed.
6. T Y B Tech subject-wise presentation was delivered by the departmental faculties.
7. **Embedded System Design:**
    - The words like explain should be remove from the L4 level Cos.
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    - Practical should not be traditional approach.
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    - RTX has less material for reference. The available course material should be provided.
11. **Discrete Signal Analysis-**
    - DSP processor should be covered in discipline lab.
    - Hard coding should be opted instead of inbuilt matlab function.
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    - Remove explain from Cos.
    - The overall weightage of the subject is 125 marks.
    - Cos L6 should be removed.
    - First subject from minor basket is redundant for ETX student.
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13. **Robotics-**
    - The mechanical people involved in the curriculum design.
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    - First subject from minor basket is redundant for ETX student.
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    - Segmentation , edge based, region based should be added in video processing.
    - DCT, DWT should be added in signal compression
    - Unit 2, 3 should be combined and hours should be redistributed.

Students details : NA

Photos :

Prepared By: MrsD.Y.Sakhare **Approved By:**

Note:

1. **Strike out not applicable**

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4. **HOD Office (soft copy in .pdf format)**

MIT Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MECH/DOC/04	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2017

DATE: 31/10/2017 TIME: 02:30PM VENUE: Exam Section Conference Hall	ACADEMIC YEAR: 2017-2018 SEMESTER: I
MINUTES OF MEETING NO.	

Meeting was conducted by Board of Studies in view of S. Y. B. Tech Mechanical Academic Audit, following points were discussed & suggested.

1. Prof. N. B. Totala welcomed all Board of Studies members in continuation he describes the S. Y. B. Tech Mechanical scheme.
2. Dr. Roshini Easow understood the method of feedback system of students about the course exit and faculty.
3. Dr. M. D. Goudar explained the system engineering course, and Roshini Easow have suggested to rethink the subject System Engineering for proper syllabus orientation.
4. Committee member emphasized on reducing 4 assignments and converting that into more innovative practical sessions.
5. Dr. Makarand Joshi suggested that, small written test and quizzes should be organized for better understanding of the subject.
6. Dr. V. K. Tripathi reviewed the evaluation scheme and suggested to emphasize more on practical performance.
7. Committee member suggested to have more no of core courses for better subject knowledge acquiring.
8. Dr. R. S. Maurya suggested to plane unit wise reference book for every subject.
9. Committee members interacted with S. Y. B. Tech students and taken feedback about various courses.
10. Committee members suggested that block study duration should be increased for better understanding of the course.
11. Meeting ended with vote of thanks by Dr. A. M. Malge.

Date: - 30/10/2017

Board of Studies Meet

S. Y. B. Tech Audit

Sr. No.	Name	Sign
01	Prof. N. B. Totala	
02	Dr. Roshini Easow	
03	Dr. V. K. Tripathi	
04	Dr. Makarand Joshi	
05	Dr. R. S. Maurya	
06	Dr. A. M. Malge	30/10/2017
07	Prof. P. R. Hatte	

MIT ACADEMY OF ENG. Alandi(D.) Pune 412105

MIT Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MECH/DOC/04	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2017

DATE: 31/10/2017 TIME: 02:30PM VENUE: Exam Section Conference Hall	ACADEMIC YEAR: 2017-2018 SEMESTER: I
MINUTES OF MEETING NO.	

Meeting was conducted by Board of Studies in view of T. Y. B. Tech Mechanical course content, following points were discussed & suggested.

1. Mr. D. B. Panchal presented T. Y. B. Tech Mechanical Program structure.
2. All the members reviewed the content of T. Y. B. Tech Courses.
3. Prof. V. K. Tripathi suggested that, the time duration of block should be raised so that the subject should be taught to the sufficient depth.
4. Dr. Roshini Easow reviewed the evaluation scheme and suggested to reduce the presentation marks to 10 and suggested to emphasize more on practical performance.
5. Dr. Makarand Joshi suggested that, small written test and quizzes should be organized for better understanding of the subject.
6. Dr. R. S. Maurya appreciated the content of Heat Transfer and suggested to add Mass transfer as a single unit.
7. Committee member emphasized on reducing 4 assignments and converting that into more innovative practical sessions.
8. More case studies should be added so that students will be industry ready professionals.
9. Board of Study members suggested to give more open elective baskets.
10. The choice of open elective course basket should not be restricted to any specific basket.
11. It was decided to implement these changes in the syllabus draft.
12. Meeting ended with vote of thanks by Dr. A. M. Malge.

Date: - 30/10/2017

Board of Studies Meet

T. Y. B. Tech Syllabus Review

Sr. No.	Name	Sign
01	Prof. N. B. Totala	
02	Dr. Roshini Easow	
03	Dr. V. K. Tripathi	
04	Dr. Makarand Joshi	
05	Dr. R. S. Maurya	
06	Dr. A. M. Malge	
07	Prof. P. R. Hatte	

MIT Academy of Engineering (An Autonomous Institute)	Minutes of Meetings	
Alandi (D), Pune – 412105	ACADEMIC YEAR	2018 – 2019
SCHOOL OF CHEMICAL ENGINEERING		

Date of Meeting:	20 November 2018
Venue:	School of Chemical Engineering, MIT AoE, Alandi
Members Present:	1. Prof (Dr.) N.M Rane , Chairman 2. Prof (Dr.) S. S Bhagwat, VC Nominee 3. Prof. (Dr.) S.D Manjare, Member (Academic) 4. Prof. (Dr.) K L Wasewar, Member (Academic) 5. Dr. S P Kamble, Member (R&D) 6. Mr. Kumar Mulemane (Member, Industry) 7. Dr. S V Taralkar, Member (Member, Faculty) 8. Mr. M Senthilkumar (Member, Faculty) 9. Dr. P N Sutar (Member, Faculty) 10. Mr. S P Shewale, (Member, Faculty) 11. Mrs. M D Sardare, (Member, Faculty) 12. Mr. S S Gandhi, (Member, Faculty) 13. Mr. V D Pakhale, (Member, Faculty) 14. Mrs. A Gode, (Member, Faculty) 15. Mr V A Tarange, (Member, Faculty) 16. Dr. Kartik M, (Member, Faculty) 17. Dr. A.B. Kangare, (Member, Faculty) 18. Mr Amol Kapse, Member (Faculty) 19. Mrs. S S Shende, Member (Faculty)
Members Absent:	1. Dr. C V Rode (Member, Professional Society) 2. Mr. Vinit Kale (Member, Alumni)
Discussions and decision arrived:	All the external members of BoS were given a warm welcome by the dean school. As per the agenda of meeting the, the course champion for Final year courses presented the curriculum in front of BoS member. Following points were discussed during the meeting: 1. Every faculty must undergo an industrial training for a period of

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

minimum one semester during in each 4 year period.

2. BOS members suggested for keeping semester VIII completely for project work. So that student can opt for industrial projects and can complete the projects in industries.
3. Wide discussion on "Product analysis" for effective and useful evaluation of current batch of autonomy to make them available for market need; some of the tools for analysis as:
   a. Evaluate students based on outside technical events performance
   b. Arrange "mock placement" and evaluation though industry HR
   c. Also regular assessment of question paper.
4. Addition of some of components in B Tech (Honors) as an additional minor degree:
   a. Add chemical products and their feasibility study
   b. Focus on 2D &3D AutoCAD design for Product design
   c. Addition of Skill software for actual practices.
5. In additional to existing courses under process basket in Open elective, Mr Kumar mulemane proposed new course "Process synthesis and design"; syllabus for the same was presented in BoS for the same.
6. The following course wise suggestions were given during the discussion.

S.N	Course Code	Course	Suggestions
1	CH401	Process Dynamics, Control & Instrumentation	• In unit VI cost analysis can be included • Advance control systems and models predicting control systems can be included • Controller selection criteria should be included • Some basic experiments for demonstration and understanding of concepts like gain, working of controllers etc should be included during experimental sessions
	DE1	**Department Elective**	
2	CH411	Introduction to Paint Technology	• Course tile change to "Surface Coating Technology" Add following contents in curriculum: • Painting plant layout • Colour physics • Hiding power of paint theory • RGM, XT

			• Colour management methods In Unit 6 add "Plant layout& Safety"
	3	CH412	Energy Engineering	• Course tile change to "Energy Technology" • Add cost comparison in syllabus contents • Addition of "Energy resources utilization in syllabus contents"
	4	CH413	Petroleum Refining Technology	• Unit I- Crude oil transportation issues (pour point depression, drag etc) should be included • Unit II- Reid vapor pressure should be taught under gasoline and naphtha
	5	CH414	Biochemical Engineering	• Unit 1 contents "Principles of Biochemical Engineering" • Remove repeated syllabus parts • Need complete modification in currents syllabus as disused with Course champion • Add Text and Reference book
	6	CH415	Environment Engineering	Addition of following contents : • Case studies on "Ground water contamination". • Design of Stack (Changing Height) • Air pollution control- Dispersion • Compel to statutorily regulations • Current norms for Electrostatic prefilter standard design • Disaster Management • Membrane process (Unit 04) • Electromagnetic radiation (Unit 06_ • Noise pollution • Soil remediation
		OE3	**Open Elective**	
	7	CH421	Process Optimization	• The course name can be changed to: Process Synthesis and Design or Process Synthesis and Optimization • Reduce mathematical aspects, add more case studies with system approach • More focus on application part

				from chemical point of view • Process feasibility and process selection aspects need to be consider • Safety norms should be included
	8	CH422	Piping Design and Engineering	• Material of construction for piping should be included • Fundamentals of thermal growth in piping should be included • Pumps a detail study should be provided
	9	CH431	Chemical Process Technology	• Unit I- Provide introduction for conceptual process design • Include the general feed stocks, their sources, processing steps for various chemical plants • Soda ash process should be included in unit I. • Unit II-Chamber process and Frasch process can be excluded from the unit as they are not relevant to current scenario • Unit III- Include underground coal gasification process • Unit IV- This unit can be specified as Power, cement and steel (as they can be correlated in term of raw materials) • Lab component should be replaced by 2-3industrial visits where students can learn and understand various processes
		DE2	**Department Elective**	
	10	CH441	Paint Manufacturing Process	• Revised contents in unit 4,5 & 6 related to surface coating subject • Colour physics may be part in this course • Testing methods parts in Unit 1 & 3
	11	CH442	Energy Management and Audit	• Course tile change to "Energy Management" • Addition of some of course contents in syllabus as-Town planning and case studies on

				Energy audit.
	12	CH443	Petrochemical Engineering	• Subject name should be replaced as Petrochemical Technology • Catalyst importance and role should be specified. A detail study of catalyst kinetics etc can be excluded • study of Alkyl benzene can be shifted to unit II instead of unit V • Unit VI-There should some sequencing for explaining various petrochemical products • Introduction of C1, C2 and C3 compounds can be included
	13	CH444	Bioprocess Technology	Complete revision of syllabus
	14	CH445	Chemical Process Safety	• Unit I- Include examples for handling gases, chemicals in laboratory. Students should be aware about the precautionary measures, harmful effects of gases, chemicals etc in laboratory • Unit II- Include concepts of static electricity, in which cases they are required to be applied, case studies • Include data for toxicity study from heavy metals • Include the norms, laws and statutory approvals required for pilot plants, projects approvals and for industries • Inspirational short films, video clips and movies can be provided to students as additional material to focus on safety aspects • Industrial visits should be included for this subject
		OE4	**Open Elective**	
	15	CH451	Process Intensification and Integration	• Major portion (90%) of the curriculum should cover process integration • 10% (One) unit) on introduction of

				process intensification • Case studies with all concepts need to be added in each unit
	16	CH452	Pipeline Engineering	• Under sea pipeline concepts should be included • Leakage detection in real time should be included

Prepared by,
Sandeep Pshirsagar
Coordinator

Approved by,
Mahajan
Dean School of Chemical Engineering

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

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting
Meeting No. 01/2019

Date: 22nd July 2019

The agenda for the meeting is as follows.

1. Discussion on action taken based on the suggestions given in last BoS.
2. Discussion on B Tech Academic structure & curriculum.
3. Interaction with faculty.
4. Discussion about upcoming modification of structure for SY & TY B Tech.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Minutes of Meeting (Board of Studies)

A meeting of all BoS members of Chemical Engineering was held on 22nd July 2019 at 10.30 am in old conference room, MIT AoE, Alandi.
Following members were present during the meeting:

S.N	Name	Designation	S. N	Name	Designation
01	Prof. (Dr.) N M Rane	Chairman	11	Mrs. M D Sardare	Member (Faculty)
02	Prof (Dr.) S S Bhagwat	(VC Nominee)	12	Mr. S S Gandhi	
03	Prof. (Dr.) S D Manjare	Member (Academic)	13	Mr. V D Pakhale	
04	Prof. (Dr.) K L Wasewar	Member (Academic)	14	Mrs. S S Shende	
05	Dr. S P Kamble	Member (R&D)	15	Dr. P N Sutar	
06	Mr. Kumar Mulemane	(Member, Industry)	16	Dr. A B Kanagare	
07	Mr. M Senthilkumar	Member (Faculty)	17	Dr. M P Patil	
08	Mr. A M Kapse		18	Dr. V K Rathore	
09	Mr. V A Tarange				
10	Dr. S P Shewale				

Leave of absence was granted to

1. Dr. C V Rode (Member, Professional Society)
2. Mr. Madhusudan Jugdar (Member, Alumni)
3. Mrs. A Gode

All the external members of BoS were given a warm welcome by the dean school. As per the agenda of meeting the, the course champion for F Y B Tech & Final year courses presented the curriculum in front of BoS member.

Following points were discussed during the meeting:

1. Senthilkumar sir briefed about the F Y B Tech & B Tech curriculum.
2. BoS members suggested Japanese & German language should be somewhere on other platform.
3. BoS members suggested there should be MATLAB, AUTOCAD, and SCILAB etc. instead of C programming for FY B Tech Student.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting
Meeting No. 01/2019

Date: 22nd July 2019

The agenda for the meeting is as follows.

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2. Discussion on B Tech Academic structure & curriculum.
3. Interaction with faculty.
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MIT ACADEMY OF ENGINEERING Alandi(D.) Pune-412105

			• Half unit should be on Dynamics & steady state balance. • Transient material balance should be included. • Control strategy i.e. selection of control system has to be there. • Industrial visit should be planned for this course. Recommended "Texol Chemical Engineering" industry for Industrial visit. • Make sure process safety should be incorporated.
3	CH 413	Petroleum Refining Technology	• Industrial visit has to be there for this course. • Prior sensitization of students is necessary before any Industrial visit. • Some amount of Introduction of upstream refinery operations should be included.
4	CH 412	Energy Technology	• Teach them wind energy component in regular class or add in curriculum. • Assignment should be given individually to students. • Solar distillation for water treatment content should be included.
5	CH421	Process Synthesis, Design & Optimization	• Unit I: Introduction to Process optimization has to there in curriculum.

8. Optimization Techniques can be a common course offered to all engineering students by Mathematics faculty. Mr. Senthilkumar sir presented the modified structure of S Y & T Y B.Tech.
9. BoS members suggested that for Environmental Science & Psychology can be 1 credit courses rather than audit courses. In case if they would be audit courses, then attendance should be compulsory for student.
10. BoS member requested to email presentations & course content for further suggestions & improvement.
11. The meeting was concluded by giving thanks to all BoS member.

Prepared By	Verified By	Approved BY
Department Activity coordinator	Autonomy Coordinator	Dean, SCE

4. Dr Bhagwat sir suggested there should be one special subject for F Y B.Tech as per branch. Also suggested that incorporate a group discussion component in English language.
5. BoS members requested that to present exam related data for next BoS meeting. It is to understand how the implementation occur based on suggestions by BoS member.
6. The following courses were presented during the BoS meeting by various faculty member,

S.N	Course Code	Course	Offered to	Presented by
1	AS 103	Science of Nature	F Y B Tech	Mr. Amol Kapse & Dr. Mahesh Goudar
2	CH 401	Process Dynamics & Control	B Tech	Mr. V D Pakhale
3	CH 413	Petroleum Refining Technology	B Tech	Mrs. M D Sardare
4	CH 412	Energy Technology	B Tech	Mr. S S Gandhi
5	CH421	Process Synthesis, Design & Optimization	B Tech	Mr. M Senthilkumar

7. The following course wise suggestions were given during the discussion.

S.N	Course Code	Course	Suggestions
1	AS 103	Science of Nature	• There has to be basics of Chemistry. • Teach them learning ability. • Instrumental Methods of Analysis is too early for F Y B Tech student • Incorporate role of chemistry in water chemistry, material science, Polymer science etc. • There has to be basics of Material science. • Revise the sequence of content in chemistry. • More focus should be given on chemistry of Engineering Materials. • Ask to think on name of course "**Science of Nature**". • Include Green Chemistry Technology part if possible. • Nature resources material should be included.
2	CH 401	Process Dynamics & Control	• **"RIGGS"** book should be included which basically talks on Chemical process dynamics. • **"LUYBEN WILLIAM"** book should be included. • Batch process control must be there.

- Mr. Shivaji Patil suggested to add AUTOCAD. Q-GIS software. Courses from Indian Society of Remote Censoring may be added.
- In GIS, the project monitoring may be added in application for droning services.

4. Prof. N.C. Baglekar represented the course structure for ETABS under SKILL LAB in detail.
   - Mr. Shivaji Patil asked for adding water retaining structures design concepts. Mr .Shivaji Patil also suggested that Skill lab should be supportive to structural analysis.
   - Dr. Avinash Garudkar suggested for the faculty capacity building is necessary.
5. Prof. A.B. Shaikh represented the B. Tech. Final year course structure for approval.
   - Dr. Avinash Garudkar suggested that the title of the courses should be content specific and may be revised, wherever required.
   - He also suggested removing External word from the title Theory of External fluids flows. In subject named, "Pollution Control Measures"; water pollution and solid waste management should be added.
   - Mr. Shivaji Patil showed interest to give input for the course Sociology.
   - Chairman BOS explained Plan B for the final year students regarding complete projects based credit system.
   - Dr. Avinash Garudkar highlighted to shift discipline core subjects before to support the Plan-B, to prevent dilution of core knowledge. Dr. Avinash Garudkar also suggested to make Sociology as an optional subject for final year, in Plan B.
   - Mr. Shivaji Patil suggested to have live industry oriented projects. He insisted to give training to faculty in YASHADA & in Water Resource Dept.
   - Mr. Shivaji Patil also suggested adding maintenance for rain water harvesting & solar in Building Services.
   - Chairman Prof. P. R. Hatte concluded the BOS meeting by vote of thanks to all dignitaries.

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

Prof. A.B. Shaikh
BOS Coordinator

Prof. P. R. Hatte,
Chairman, BOS

MIT Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: CIVIL/DOC/04	Revision No: 00
Department of Civil Engineering			Rev Date: 31.01.2014

DATE: 28/07/2018 TIME: 09:00 AM VENUE: Old Conference hall	ACADEMIC YEAR: 2018-2019 SEMESTER: I
MINUTES OF MEETING NO. 6TH	
FACULTY & STAFF PRESENT: PRH, NCB, VPK, ABS, SRP, TKB, BDW, SDP, VSC, NVB	Board of Studies

1. Prof. A.B. Shaikh welcomed all the dignitaries and explained the agenda of the meeting.
2. Prof. A.B. Shaikh represented the T.Y. B. Tech course structure semester wise.
   - Dr. Avinash Garudkar suggested to add fundamentals of structure analysis in first semester further aligned to structural modeling for next semester.
   - The name of Continuum Mechanics of Solids should be revised.
   - The curriculum should be made compatible to students for facing government exams.
   - Mr. Pravin Kolhe suggested adding more content of Strength of Materials & Water Resource Engineering. He appreciated the syllabus structure covering all aspects.
   - Chairman BOS explained the idea of "Basic of Entrepreneurship" course.
   - Dr. Avinash Garudkar suggested adding Basic of Entrepreneurship in 7th semester in continuation to 5th semester. He also suggested to emphasize of fundamentals of discipline core.
   - Mr. Shivaji Patil highlighted to add knowledge of legal aspects regarding land acquisition or an introduction part on legal permissions.
   - He also suggested to add drafting & conveyance part regarding documentation.
   - Mr. Pravin Kolhe suggested to add overview for contract and arbitration acts.
3. Prof. S. D. Pagay represented the course structure for Construction Planning & Management under MINOR in detail.
   - Mr. Pravin Kolhe commented for the courses like environmental science, skills, system engineering and entrepreneurship will lead to empower students. Flow chart can be added. Interdependency of subject should be calculated.

	- Mr. Avinash Garudkar suggested that the Ground reservoir content should be added. - Mr. Pravin Kolhe suggested to rethink about the title of the course. - It is suggested that retrofitting & Pre-stressed dam can be added in the course.		
07	Mr. A. B. Shaikh represented the course structure for Railway Engineering in detail. - Mr. Pravin Kolhe appreciate the course content & commented that Metro, bullet train & Monorail aspect can be added. Diploma in Railway Engineering course training can be done by the faculties and the syllabus of the same can be referred for the above course. - Mr. Avinash Garudkar asked to maintain the logical sequence of the topics. He also suggested to refer the syllabus of "Institution of Engineers".	ABS	18/12/18
08	Mr. N.V. Bhalerao represented the course structure for Hydropower Engineering in detail. - Mr. Avinash Garudkar suggested that the second unit should be place at first level. Unit no. 6 can be rearranged also. - Mr. Shivaji Patil suggested that transmission costing part should be added and explained in detailed. - Mr. Pravin Kolhe commented that Reversible Hydro can be added. The handbook and content of IIT Roorkee can be referred for the same.	NVB	18/12/18
09	Mr. B.D. Wabhitkar represented the course structure for Foundation Engineering in detail. - Mr. Shivaji Patil suggested to add underground space management. - Mr. Pravin Kolhe suggested to add Tunneling. - Mr. Avinash Garudkar suggested to add introduction word at start only and remove it from unit no. 5.	BDW	18/12/18
10	Mr. B.D. Wabhitkar represented the course structure for Engineering Geology in detail. - Mr. Avinash Garudkar suggested to add ground Water and surface water content.	BDW	18/12/18
11	Mr. S. R. Patil represented the course structure for Estimation & Project Management in detail. - Mr. Shivaji Patil suggested to add introduction part in unit no. 1. Introduction of contract & tenders can be added. Guest lecture of builders can be arranged. - Topics names can be changed and suggested to rearrange unit no. 5& 6. - B.S. Patil books can be referred majorly. - Mr. Pravin Kolhe suggested to use software in pedagogy.	SRP	18/12/18

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2018-19
	DATE	:	28/11/2018
SCHOOL OF MECHANICAL & CIVIL ENGG.	TYPE OF MEETING	:	BOS

Names of Attendee:
PRH VKP ABS SRP BDW NCB NVB ASV DKC SGS MAK SSS AKC

Leave of Absence: ---

Minutes of the Meeting: 07

Sr. No.	Minutes	Responsibility	Target Date
01	Prof. A.B. Shaikh welcomed all the dignitaries and explained the agenda of the meeting.	-	-
02	BOS chairman represented the action taken report on last meeting discussed points.	-	-
03	BOS chairman represented Final Year B. Tech course structure semester wise.	-	-
04	Mr. S. S. Shinde represented the course structure for Water & Waste Water Engineering in detail. - Mr. Pravin Kolhe appreciated the course & commented that raw water must be given more weightage. Also suggested to add advanced case studies & real time quality analysis in practical. Skada system should be introduced. - Mr. Shivaji Patil asked about the applicability of the course is limited to municipal area only. He also suggested to change the name of Unit 2 as "water treatment". - Mr. Avinash Garudkar suggested to separate the term water & waste water. Introductory part on "Zero liquid discharge" should be added in the course.	SSS	18/12/18
05	Mr. S. R. Patil represented the course structure for Building services under Department Elective in detail. - Mr. Shivaji Patil & Mr. Avinash Garudkar commented that sewerage & solid waste management system must be added. - Mr. Pravin Kolhe suggested that plumbing & sanitation should be added. Classification of building can be added in syllabus. - Mr. Avinash Garudkar commented that Merge unit no. 3, 4, & 5.	SRP	18/12/18
06	Mr. N.C. Baglekar represented the course structure for Advanced Design Structure in detail.	NCB & VKP	18/12/18

MIT ACADEMY OF ENGINEERING Alandi (D) Pune 412105

MAEER's MIT Academy of Engineering
School of Computer Engineering and Technology

Board of Studies Minutes of Meeting held on 16 November 2018

The School of Computer Engineering and Technology conducted Board of Studies meeting on 16th Nov.2018, Friday. The Dean, SCET welcomed all the members. With initial discussion on agenda at the dean's office, all members were requested to be at the hardware lab at 2:30 pm.

1. Autonomy coordinator presented the last BoS meeting and also presented how the changes/reviews suggested in last BoS has been implemented. Last BoS meeting s minutes are also approved by all present members.

2. Autonomy coordinator discussed the agenda. And presented BTECH structure for Computer and IT Department.

3. The proposed for the change in the current structure F. Y. B.Tech regarding the introduction of credit course from next academic year i.e. 2019-20.

4. Discussed the audit course in Semester II FY B.Tech structure.

5. Proposed the Common Structure for Computer and IT after the one Academic Cycle.

6. SEM 3: Structure mainly emphasized on the syllabus for higher studies i.e GATE and ACM Computing Curricula.
    1. SEM 4: No Modifications Proposed
    2. SEM 5: Variations are proposed to mitigate the required credits
    3. SEM 6: Suggested Inclusion or Exclusion of courses for more branch specific courses.

7. With the permission of BoS Members, respective course champion presented the syllabus briefly using standard syllabus template.

8. **Bos Member reviewed the contents and following points were recommended**

a. Digital Enterprise Management:

MIT ACADEMY OF ENGINEERING Alandi(D.) Pune 412105

	- Both suggested to introduce, basics of open elective courses in each departmental core courses.		
12	Mr. D. K. Chaudhari represented the course Operation Research in detail. - Mr. Avinash Garudkar suggested to total rearrangement of course & to add case studies.	DKC	18/12/18
13	Mr. M. A. Khandare represented the course Financial Management in detail. - Mr. Shivaji Patil suggested that project should be included with zero inventory space and Cash flow and necessity & requirement must be known.	MAK	18/12/18
14	Mr. N.V. Bhalerao represented the course structure for Design of Hydraulic Structure in detail. - Mr. Avinash Garudkar suggested to change the name of unit no.1 and make it as Reservoir Planning. Place Unit 6 at unit no. 1 or 2.	NVB	18/12/18
15	Mr. S.S. Shinde represented the course structure for Air & Noise Pollution Control in detail. - Mr. Shivaji Patil suggested that show SPM & RSPM in syllabus. - Mr. Avinash Garudkar suggested to change the sequence of unit no. 5 &6.	SSS	18/12/18
16	Mr. D. K. Chaudhari represented the course structure for Advanced Geodetic Engineering in detail. - Mr. Shivaji Patil suggested to add adjustment for triangulation and title for unit no. 4 should be changed.	DKC	18/12/18
17	Urban planning & Development course is suggested by BOS members in place of Advance Entreprenecurship.	DBP	18/12/18
18	Mr. V. K. Pingle presented corrections in 'Structural Analysis' & is approved by BOS.	DBP	18/12/18
19	'Geospatial Engineering' course is switched from Semester III to Semester IV with 'Building Design & Construction' course because of practical conduction problems in rainy season & the same is approved by BOS.	DBP	18/12/18
20	Chairman Prof. P. R. Hatte concluded the BOS meeting by thanks giving notes.	-	-

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	BOS Chairman

4. Asked to refer the book by Clain, Kalyani and single.
5. Reframe outcome.

j. Cloud and Virtualization:

1. Course outcome and Objective need to reframe.
2. Contents are the vast need to reduce.
3. The Popek Goldberg theorem must be part of the syllabus.

k. Operating System Administration:

1. As per the needs, organization policy contents to be included/excluded.
2. Reframe scripting mechanism

l. Computer Graphics and Multimedia:

1. The subject name need to modify/change/reframe
2. Practical Assignments must be for multimedia.

9. Additional suggestions:

1. Ethical hacking / Cyber Laws, Outcomes need to be modified.
2. IoT and WSN: Content must be finalized using covered prerequisite.

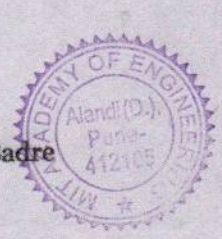
Mr. Anil Gupta and Dr. Vahida Attar precisely looked into all the courses to ensure that no fundamental courses are missing.

Regarding Common Structure following suggestions are received:

1. Advanced UNIX programming should be an elective for IT also.
2. Scientific computation can be offered as elective to both.
3. Bioinformatics should be offered as comp elective also.
4. Since bioinformatics is an elective to IT and it will require High-performance database systems. This thought to be provided as elective to IT also.

Mr. Manish Giri
Member Secretary

Prof. Mrs. R.R. Badre
BOS Chairman



1. Reliability contents must be get added.
2. SEQT must be prerequisite for this course.
3. Outcomes need to be revised.

b. Software Engineering, Testing, and Quality Assurance:

1. Instead of a fixed list, assignments can be generic.
2. An agile model can be added.

c. Operating System Design:

1. Linux Kernel version available for kernel-based demonstration.
2. Instead of giving the particular kernel, allow students to select their own.
3. Use some open source OS viz. TOY.

d. Wireless and Mobile Network:

1. Course outcome needs to be revised.
2. Cybersecurity can be the prerequisite for WMN course.
3. Graded assignments will be added as this course don't have a lab component.

e. Information retrieval:

1. Case studies need to include in the content.

f. Cyber Forensic:

1. Suggested to organize FDP for teaching faculties.
2. Training to faculty is required before conduction of course.
3. Suggested to identify ADD-ON courses & online MOOC.
4. Minor courses for Data analytics changed.

g. Machine Learning:

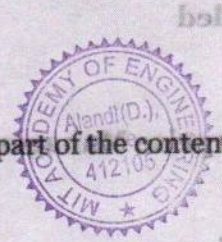
1. Backpropagation part using python need to be added.
2. The algorithm with names needs to part of contents.
3. Reframe the assignments.

h. Ubiquitous System:

1. Reframe the course objectives and outcome.
2. The draft is not so relevant and meaningful, More proper revision need to be given.

i. Distributive System:

1. Add MPI, MPI join
2. High-Performance computing will be part of the content.
3. GPS can be reconsidered.



i. Data science I and machine learning can be combined
ii. Change the name instead Data Science I and II

e. AI and ANN:
   i. ANN can be removed from AI and can be added to Machine learning
   ii. More relevant text books are missing viz Zurada, Peter Flach

f. Cyber Security
   i. Ordering of courses must be shuffled.
   ii. Content must be aligned with course name
   iii. Suggested to take help from Harold D'Costa, Asian School of CS

g. OS Design and Administration
   i. Title must be align with contents
   ii. Windows OS internals must be get covered along with Unix OS
   iii. More emphasize on OS Internal
   iv. Unix Administrative Commands must be taught.

h. Ubiquitous Computing
   i. Practical list should not be rigid and predefined. Let teacher decide on the run

8.2 **Additional suggestions**:
   i. Suggested to have some motivational question as a title of the Unit instead of plain or simple unit name.
   ii. Additional credits can be offered to students for extra courses availed

9. Mr. Anil Gupta and Mrs. Vahida Attar precisely looked into structure to ensure that no fundamental courses are missing. Suggested to add parallel programming concept in Distributed System
10. Dr. Abhijat Vichare compared ACM-IEEE Curriculum 2016 which relies on competencies. Suggested to add Principles of Programming Language course. Also he suggested to keep same curriculum for Compute and IT Department with specifications at Final year .
11. Vision & Mission statement as well as PEO and PSO for Computer and IT Department were discussed.
12. Finally, all BOS members appreciated structure and the courses with some suggestions as mentioned above.
13. The BTech structure is approved by BOS Members.
14. The meeting was concluded by a formal Vote of Thanks by Autonomy Coordinator.

Mr. Manish Giri
Autonomy Co-coordinator

Dr. Shitalkumar A Jain
BOS Chairman

MAEER's MIT Academy of Engineering

School of Computer Engineering and Technology

(Previously Department of Computer Engineering and
Department of Information Technology)

Date: 27/07/2018

1. Autonomy Coordinator (Member Secretary) read the minutes of meeting of the previous meeting and it has been approved by BoS Chairman.
2. Dr. Shitalkumar A. Jain discussed the philosophy of open and departmental elective courses, and shared the allocation procedure.
3. Discussion on identified domains for electives taken place.
4. BOS Members appreciated the concept of open elective (minor) and asked to provide the flexibility to the students to change the courses / domain in case they are not interested in selected domain.
5. Autonomy coordinator presented the proposed BTech structure for Computer Engineering and Information Technology program.
6. Course Champions for each course presented the syllabus for their respective courses of B Tech
7. Following observations are made by committee members:
   a. Although System Engineering is offered at SY BTECH and Project Management is offered at TY BTECH level, one Discipline Core course should be offered in Software Engineering domain to cover the intermediate and advance part (Industry / Practitioners approach).
   b. Software engineering, testing and quality assurance concept can be merged in one course and can be offered in BTECH semester I for Computer Engineering and Information Technology instead of Software Testing.
   c. Practical component of departmental elective must be covered in activity-based learning during the theory session.
8. Following suggestions are made by BOS members on course contents.

8.1 On Course Contents:

a. Software Testing:
   i. Inclusion of Pressman book in References.
   ii. Fundamentals of Software Engineering
   iii. Manual and Automated testing should be included
   iv. Title should be Software testing and Quality assurance.

b. Digital Enterprise Management:
   i. Appreciated collaboration with BMC for framing contents
   ii. Scope must be defined as per the requirement of B.Tech level

c. Information Retrieval
   i. The Search engine optimization must be included

d. Data Science

LIST OF BOARD OF STUDIES (BoS) MEMBERS

Sr. No.	Name	Designation	Organization
1	Dr. Debashis Adhikari	Chairman	MIT AOE, Alandi
2	Dr. P P. Rege	Representative University (E&TC)	COEP, Pune
3	Dr. M S. Sutawane	Representative University (Electronics)	COEP, Pune
4	Prof. S N. Merchant	Representative - Academics	IIT Bombay
5	Dr. Sanjay Talole	Representative - Research	R&DE (DRDO), Pune
6	Mr. Ravi Maknikar	Representative - Professional Society	Zenith Technologies
7	Dr. S. Purushothaman	Representative - Industry	KPIT Info systems Ltd. Bangalore
8	Mr. Amit Saxena	Representative - Industry	Aliance Solutions Pvt. Ltd
9	Mr. Saket Parab	Dept. Alumnus	Tata Technology, Pune
10	Mr. Anil Bhatt	Dept. Alumnus	INDOASIAN Legrand Group Company.
11	Mr. Ankan Ashish	Dept. Alumnus	Synechron, Pune

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

MIT | Academy of Engineering (An Autonomous Institute)	School of Electrical Engg. *Advancing Humanity through Technology*
Alandi (D), Pune – 412105	(Accredited by NBA, ISO 9001:2008 Certified)

AGENDA

BTECH (SEE) BoS MEET

TERM – I [2018-19]

DAY	TUESDAY	DATE	NOVEMBER 20, 2018
TIME	9.30 AM	VENUE	OLD CONFERENCE,

Sl. No.	Activity Planned	Scheduled Time
1	Welcome Address	9.30 AM To 10.00 AM
2	Overview of School of Electrical Department	10.00 AM To 10.20 AM
3	Review of revised BTECH (E&TC,ETX) curriculum structure	10.20 AM To 10.45 AM
4	Discussion on BTECH (E&TC,ETX) course syllabi	10.45 AM To 12.00 PM
5	Consultation on Major Projects	12.00 PM To 12.30 PM
6	Open Discussions and suggestions	12.30 PM To 1.00 PM
7	Vote of Thanks	1.00 PM

BN Savant

Bhairavi N. Savant/ Vinaya Tapkir

Autonomy Coordinator

Sr. No.	Minutes	Responsibility	Target Date
10	SNM suggested to conduct some advanced software courses for enhancing placements for Electronics students. As discussed with BoS, Programming in Java would be introduced as an alternative of Advanced Entrepreneurship	Course Champion & Members	Academic Year 2018-19
11	SNM recommended to rename the TY course Analog Communication as Communication Systems and replace Antenna Theory and Design with Electromagnetics		
12	BoS members advised to list the Text and Reference Books in a standard format and ISBN should not be mentioned		
13	SNM put forward the relation of the course credits with the no. of contact hours. It was recommended that each course should allotted maximum 42 Hours		
14	Uniformity in number of total theory and practical hours should be maintained for all the courses		
15	BoS members highlighted on the proper Prerequisites and Compulsory courses cannot be part of pre-requisites.		
16	BoS members recommended to remove the pre-requisites as Mathematics – I, Mathematics-II and there's no need of pre-requisite for Mathematics courses		
17	A course on Probability and Random Processes should be introduced in the V or VI semester		
18	Course contents of Machine Learning are too heavy for an UG level. Course syllabus should be realistic and reduce the course contents		
19	Additional text and reference books should be added to the course Digital Image Processing		
20	Course name Industrial Electronics should be revisited. Contents are not matching with the tile of the course		
21	The pre-requisites needs to be revisited for the RISC Processor course and focus on the teaching hours and URL for the websites mentioned as references. List of references needs to be modified		
22	The Semester should be mentioned in the standard Course Syllabus format		

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2018-19
SCHOOL OF ELECTRICAL ENGINEERING	DATE	:	20/11/2018
	TYPE OF MEETING	:	BoS

Initials of Attendees: DA, SET, SNM, AB, SSL, RPB, BNS, PRR, VBK, SK, SSK, NVB, ADG, VAK, AKK, PKA, KAM, AVN, AS, SDD, SSN, MCV, ADC, DYS, UYV, SAP, SAK, SRP, SKR, VST, HRL, MMB, SPS, ABC, MHC, DMD, UPM, VDK, NBS

Leave of Absence: MSS, PPR, Dr.SP, AS, RM,SP, AS, PVS, MDG, PSK, MRN

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board. He introduced all the internal & external members.	Course Champion & Members	Academic Year 2018-19
2	The forum was then opened for discussion.		
3	The Chairman briefed about the last minutes and the agenda for the current meeting.		
4	Few Program Specific Outcomes (PSOs) must be common for both E&TC and ETX		
5	SET suggested to setup Alumni Association and strongly encourage for Alumni meet frequently		
6	After the review of the previous BoS MoM, SET commented to choose an appropriate name for the Consumer Electronics Course		
7	Antenna Theory can't be floated without Electromagnetics		
8	BoS members raised their concerns over the Minors floated within the Department.		
9	AB suggested to plan for the Industrial Training in Semester VI (TY BTECH) and conduct exam for the same		

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

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Alandi (D), Pune - 412105

School of Electrical Engg.

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ATTENDANCE SHEET : BOARD OF STUDIES

Day	Tuesday	Date	20.11.2018
VENUE	Old Conference Hall	Time	9:30 AM

Sr. No.	Name		Designation	Sign
1	Dr. Debashis Adhikari	(DA)	Chairman	
2	Dr. Sanjay E. Talole	(SET)	Representative - Research	
3	Dr. S.N. Merchant	(SNM)	Representative - Academics	
4	Dr. M.S. Sutaone	(MSS)	Representative - University (Electronics)	–
5	Dr. P.P. Rege	(PPR)	Representative - University (E&TC)	–
6	Dr. S. Purushothman	(SP)	Representative - Industry	–
7	Amit Saxena	(AS)	Representative - Industry	–
8	Ravi Maknikar	(RM)	Representative - Professional Society	–
9	Saket Parab	(SP)	Dept. Alumnus	–
10	Anil Bhatt	(AB)	Dept. Alumnus	
11	Ankan Ashish	(AS)	Dept. Alumnus	–
12	Dr. Prasheel V. Suryawanshi	(PVS)	Member	–
13	Sandip S. Lokhande	(SSL)	Member	
14	Dr. Rushikesh P. Borse	(RPB)	Member	
15	Bhairavi N. Savant	(BNS)	Member	
16	Prachi R. Rajarapollu	(PRR)	Member	
17	Vinayak B. Kulkarni	(VBK)	Member	
18	Satish S. Kabra	(SK)	Member	
19	Smita S. Kulkarni	(SSK)	Member	
20	Nutan V. Bansode	(NVB)	Member	
21	Aniket D. Gundecha	(ADG)	Member	
22	Vaishali A. Katkar	(VAK)	Member	

Sr. No.	Minutes	Responsibility	Target Date
23	Course name Industrial Electronics and the pre-requisites should be revisited. Contents are not matching with the tile of the course. Bos recommended the course name as Industrial Drives and Controls and requested the course champion to revisit the Online courses floated by NPTEL, Coursera and many more	Course Champion & Members	Academic Year 2018-19
24	In the course Robotics Vision and Control, there were no contents related to control. Therefore, the BoS experts proposed Robotics Vision as the course name. Modify the list of Text and Reference books. Contents of Image processing is must and pre-requisite must be mentioned		
25	Practical hours, pre-requisite and Course Outcomes for the course Low Power SoC should be revisited.		

Prepared By	Approved By
BN Sawant 27/11/18	27/11/18
Autonomy Coordinator	Dean, School of Electrical Engg.

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

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2017-18
SCHOOL OF ELECTRICAL ENGINEERING	DATE	:	26/07/2018
	TYPE OF MEETING	:	BoS

Initials of Attendees: DA, SET, PPR, AS, RM, SP, AS, BNS, PRR, SK, ADG, SAB, VAK, PKA, AM, AVN, SSN, MCV, DYS, SAK, SRP, VST, MMB, ABC, MHC

Leave of Absence: SNM, MSS, SP, AB, PVS, SSL, VBK, SSK, NVB, SSP, AKK, AS, SDD, MRN, ADC, MDG, UYV, SAP, SKR, HRL, SPP, DMD

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
1.	The Chairman welcomed all the members of the Board. He introduced all the internal & external members.	Course Champion & Members	Academic Year 2018-19
2.	The forum was then opened for discussion.		
3.	The Chairman briefed about the last minutes and the agenda for the current meeting.		
4.	It was pointed out that open electives should be from other technical and /or emerging subjects as per AICTE Model curriculum 2018.		
5.	System Engineering course should be introduced at TY or BTECH level.		
6.	Text books and Reference books of every course should mention year of publication.		
7.	Project Management course should be introduced either in 7th or 8th semester.		
8.	System Engineering and Project Management should be clubbed along with contents like IPR and Ethics. It should be offered as a single course at 7th or 8th semester.		
9.	Two separate courses on Entrepreneurship are not required.		
10.	Courses like Economics should have specific names like Industrial Economics.		

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

. No.	Name		Designation	Sign
23	Aniket K. Kemalkar	(AKK)	Member	
24	Prashant K. Aher	(PKA)	Member	
25	Kaliprasad A. Mahapatro	(KAM)	Member	
26	Amit V. Nagarale	(AVN)	Member	
27	Ashish Srivastava	(AS)	Member	
28	Swapnil D. Daphal	(SDD)	Member	
29	Mandar R. Nalavade	(MRN)	Member	Leave
30	Sandeep S. Nagre	(SSN)	Member	
31	Mahesh C. Vibhute	(MCV)	Member	
32	Ashitosh D. Chavan	(ADC)	Member	
33	Dr. Mahesh D. Goudar	(MDG)	Member	—
34	Prabha S. Kasliwal	(PSK)	Member	—
35	Dr. Dipti Y. Sakhare	(DYS)	Member	
36	Usha Y. Verma	(UYV)	Member	
37	Satyajit A. Pangaonkar	(SAP)	Member	
38	Shridhar A. Khandekar	(SAK)	Member	
39	Savita R. Pawar	(SRP)	Member	
40	Shilpa K. Rudrawar	(SKR)	Member	
41	Vinaya S. Tapkir	(VST)	Member	
42	Hitesh R. Lodha	(HRL)	Member	
43	Mandar M. Bhalekar	(MMB)	Member	
44	Sagar P. Shinde	(SPS)	Member	S.P.Shinde
45	Amar B. Chavan	(ABC)	Member	
46	Mrunalini H. Chavaan	(MHC)	Member	
47	Dhananjay M. Devare	(DMD)	Member	
48	Uday P. Mithapelli	(UPM)	Member	
49	Vivek D. Kamble	(VDK)	Member	
50	Nikhil B. Sardar	(NBS)	Member	

17.	The meeting was concluded in a pleasant note. Vote of thanks was delivered by Prof Prachi R.		

Prepared By	Approved By
B N Savant	
Autonomy Coordinator	Dean, School of Electrical Engg.

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11.	Courses like Sociology should be introduced in 3rd or 4th semester.		
12.	Two separate courses on communication languages should be clubbed together along with Professional Skills. Also such kind of courses should be added as audit course.		
13.	It is suggested that ADSP being a PG level course can be opted out. A communication based subject with contents including Optical Fiber Communication, Network Protocols or Communication Protocols, Satellite Communication, Wireless Communication should be introduced in its place (Advanced Communication Systems)		
14.	Similarly for ETX, ADSP should be replaced by electronics intensive subject like Consumer Electronics.		
15.	Digital Communication and Microwave Communication should be separate courses.		
16.	A separate course on Electromagnetics should be introduced in 3rd or 4th semester.		
17.	Courses in Embedded domain should be introduced as Discipline core viz Embedded Processors		
18.	The subject code for Control System of ETX (EX 301) should be same as that of E&TC (ET301) as the course contents are same.		
19.	Mathematical Courses should be given specific names e.g. Linear Algebra, Differential equations, etc. instead of M1, M2.		
20.	MATLAB should not be included under Skill Development Lab. MATLAB Programming is introduced in SY BTECH		
21.	Skill development labs should be a part of practical related to discipline cores rather than having a separate course.		
22.	A student should have an option to switch the minor if he/she is not comfortable with that minor course.		
23.	Minor courses in last semester should have maximum case studies.		
24.	It was also suggested that Minor courses should have additional credits i.e. over and above 160 credits.		
25.	After detailed deliberation on the Minors and the skill development Labs, the following Minors were finalized by the BoS i. Internet of Things (ET 312, ET 332, ET 422, ET 452, ii. Embedded System (ET 311, ET 331, ET 421, ET 451) iii. Robotics & Automation (EX 311, EX 331, EX421, EX 451)		
26.	Tutorials are missing in the TY BTECH & BTECH curriculum structures.		

Sr. No.	Name		Designation	Sign
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	Vaishali A. Katkar	(VAK)	Member	
24	Aniket K. Kemalkar	(AKK)	Member	–
25	Prashant K. Aher	(PKA)	Member	
26	Kaliprasad A. Mahapatro	(KAM)	Member	
27	Amit V. Nagarale	(AVN)	Member	
28	Ashish Srivastava	(AS)	Member	–
29	Swapnil D. Daphal	(SDD)	Member	–
30	Mandar R. Nalavade	(MRN)	Member	–
31	Sandeep S. Nagre	(SSN)	Member	
32	Mahesh C. Vibhute	(MCV)	Member	
33	Ashitosh D. Chavan	(ADC)	Member	–
34	Dr. Mahesh D. Goudar	(MDG)	Member	–
35	Usha Y. Verma	(UYV)	Member	–
36	Satyajit A. Pangaonkar	(SAP)	Member	–
37	Dr. Deepti Y. Sakhare	(DYS)	Member	
38	Shridhar A. Khandekar	(SAK)	Member	
39	Savita R. Pawar	(SRP)	Member	
40	Shilpa K. Rudrawar	(SKR)	Member	–
41	Vinaya S. Tapkir	(VST)	Member	
42	Hitesh R. Lodha	(HRL)	Member	–
43	Mandar M. Bhalekar	(MMB)	Member	
44	Sagar P. Shinde	(SPS)	Member	–
45	Amar B. Chavan	(ABC)	Member	
46	Mrunalini H. Chavaan	(MHC)	Member	
47	Dhananjay M. Devare	(DMD)	Member	–

MIT | Academy of Engineering

Alandi (D), Pune - 412105

School of Electrical Engg.

Advancing Humanity through Technology

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ATTENDANCE SHEET : BOARD OF STUDIES

Day	Thursday	Date	26.07.2018
VENUE	Meeting Hall - Exam Section	Time	9:30 AM

Sr. No.	Name		Designation	Sign
1	Dr. Debashis Adhikari	(DA)	Chairman	
2	Dr. Sanjay E. Talole	(SET)	Representative - Research	
3	Dr. S.N. Merchant	(SNM)	Representative - Academics	—
4	Dr. M.S. Sutaone	(MSS)	Representative - University (Electronics)	—
5	Dr. P.P. Rege	(PPR)	Representative - University (E&TC)	
6	Dr. S. Purushothman	(SP)	Representative - Industry	—
7	Amit Saxena	(AS)	Representative - Industry	
8	Ravi Maknikar	(RM)	Representative - Professional Society	
9	Saket Parab	(SP)	Dept. Alumnus	
10	Anil Bhatt	(AB)	Dept. Alumnus	
11	Ankan Ashish	(AS)	Dept. Alumnus	
12	Dr. Prasheel V. Suryawanshi	(PVS)	Member	—
13	Sandip S. Lokhande	(SSL)	Member	—
14	Bhairavi N. Savant	(BNS)	Member	BN Savant
15	Prachi R. Rajarapollu	(PRR)	Member	
16	Vinayak B. Kulkarni	(VBK)	Member	—
17	Satish S. Kabra	(SK)	Member	
18	Smita S. Kulkarni	(SSK)	Member	—
19	Nutan V. Bansode	(NVB)	Member	—
20	Aniket D. Gundecha	(ADG)	Member	
21	Sonali A. Bhagwatkar	(SAB)	Member	

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

- He also asked about CO4 mapping. He suggested for industry expert's lectures or to solve real life problems, introduce numerical analysis in theory and then teach Ansys-CFD.
- Mr. Ambadas Kandekar recommended to put Heat Loss or Waste Heat Recovery problems of any industry in practical or assignment. Active checks & debates should be done.
- Dr. Loveleen Sharma suggested to put design of compact heat exchangers & comparison between Conventional Heat exchanger and Recent Heat exchanger.

6. Prof. A. B. Belvekar represented the course structure for Geometric Modelling & Design under Minor course Computer Aided Engineering in detailed.
   - Mr. Ambadas Kandekar asked about the parametric and reverse engineering practicals need to be added, one assignment should be on Dimensioning and tolerances.
   - Prof. Kannan Iyer commented that analysis software should be added.
7. Prof. V.P. Kulkarni represented the course structure for Work Process Assessment in detailed.
   - Dr. Loveleen Sharma asked about delivery of Economy & strategies.
   - Mr. Ambadas Kandekar suggested to add value engineering.
8. Prof. B. R. Patil represented the course structure for Fundamental of Robotics under Minor course Robotics in detailed.
   - Course contents were accepted by the members.
9. Prof. D. B. Panchal represented the course structure for Autodesk Inventor & Catia under Skill Development in detailed.
   - Mr. Ambadas Kandekar suggested to add varieties in practicals for Skill & Minor .
   - Prof. Kannan Iyer suggested to add Ansys as a skill for next semester.
10. Prof. M. W. Bhalwankar represented the S. Y. B. Tech course structure for Materials Engineering in detailed.
    - Changes asked in last BOS meeting corrected and approved.
11. Prof. P. R. Hatte represented the course structure for B. Tech final year.
    - Prof. Kannan Iyer asked about the skipping of some theory courses and send the students to industries in last semester, as recommended in Plan B.
    - He also suggested to provide placement opportunities to students in Plan B.
    - Premal (Alumni) asked to include SAP in supply chain management course.

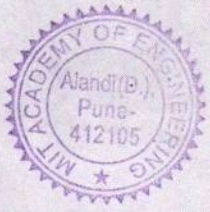
Prof. P. P. Kothmire
BOS Coordinator

Prof. P. R. Hatte,
Dean
CHAIRMAN
BOS-Mechanical Engineering
MIT Academy of Engineering
(An Autonomous Institute)

MIT Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MECH/DOC/04	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2014

DATE: 26/05/2018 TIME: 11:00 AM VENUE: DT Lab	ACADEMIC YEAR: 2018-2019 SEMESTER: I
MINUTES OF MEETING NO. 05	
FACULTY & STAFF PRESENT: PRH, NBT, SBP, PPK, MPJ, TBS, AKC, AMK, MWB, NSB, VPK, BRP, SPD, ABB, NSB, VSD, BMM, RAP, KSS, PWD, NCB,	Board of Studies

1. Chairman of BOS Prof. P. R. Hatte welcomed all the dignitaries and explained the agenda of the meeting.
2. Prof. N.B. Totla presented the T.Y. B. Tech course structure semester wise.
3. Prof. Bhavana M. M. represented the course structure for Machine Design in detailed.
   - Dr. Loveleen Sharma asked about the content in the case studies and reference of any research journal.
   - Prof. Kannan Iyer suggested it will be little challenging to give case studies for UG students, as students are too fresh. Teacher should provide one case study with all solution to students & later another one as home work.
   - Mr. Ambadas Kandekar suggetsed to provide check list by teacher regarding design thinking, failure mode analysis and tolerance.
   - Premal (Alumni) recommended to add all basics in first unit fundamental.
4. Prof. A. T. Pokarnekar represented the course structure for Machine & Mechanisms in detailed.
   - Prof. Kannan Iyer discussed on perquisites mentioned in the structure. He also discussed on whether the linkages to be provided to the students by institute for assembly.
   - Dr. Loveleen Sharma and Premal suggested to add the practicals on simulation related to real life.
5. Prof. V.S. Dighe represented the course structure for Heat Transfer in detailed.
   - Prof. Kannan Iyer commented that practical no. 1 & 2 can be clubed, but try to conduct all 9 practicals, instead of any 7 in syllabus.



Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MITAOE/MECH/HOD/14	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2014

DATE: 26/07/2018 TIME: 11:00AM VENUE: DT Lab	ACADEMIC YEAR: 2018-2019 SEMESTER: I

Sr. No.	Name of Faculty & Staff		Designation	Sign.
1	Mr. P. R. Hatte	(PRH)	Dean	
2	Dr. A. M. Malge	(AMM)	Associate Prof.	—
3	Dr. P.W. Deshmukh	(PWD)	Associate Prof.	
4	Mr. N.B. Totala	(NBT)	Sr. Assistant Prof.	
5	Ms. M. M. Charde	(MMC)	Assistant Prof.	—
6	Mr. D. B. Panchal	(DBP)	Assistant Prof.	
7	Ms. A. B. Mane	(ABM)	Assistant Prof.	
8	Mrs. Bhavana M. M.	(BMM)	Assistant Prof.	
9	Mr. V. N. Deshmukh	(VND)	Assistant Prof.	—
10	Mr. S. B. Powar	(SBP)	Assistant Prof.	
11	Mr. P.P. Kothmire	(PPK)	Assistant Prof.	
12	Mr. S. R. Deo	(SRD)	Assistant Prof.	—
13	Mr. R. S. Jadhav	(RSJ)	Assistant Prof.	—
14	Mr. B.R. Patil	(BRP)	Assistant Prof.	
15	Mr. A. S. Chandore	(ASC)	Assistant Prof.	—
16	Mr. M. P. Joshi	(MPJ)	Assistant Prof.	—
17	Mr. K. P. Mishra	(KPM)	Assistant Prof.	—
18	Mr. A.J. Asalekar	(AJA)	Assistant Prof.	—
19	Mr. T. B. Sonawane	(TBS)	Assistant Prof.	
20	Mr. M. S. Dholkawala	(MSD)	Assistant Prof.	—
21	Mr. A. K. Chandgude	(AKC)	Assistant Prof.	
22	Mr. V. P. Kulkarni	(VPK)	Assistant Prof.	
23	Mr. R. A. Patil	(RAP)	Assistant Prof.	
24	Mr. A. M. Kolhe	(AMK)	Assistant Prof.	
25	Mr. S. P. Dhavane	(SPD)	Assistant Prof.	

Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MITAOE/MECH/HOD/14	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2014

DATE: 26/07/2018 TIME: 11:00AM VENUE: DT Lab	ACADEMIC YEAR: 2018-2019 SEMESTER: I

Board of Studies

Sr. No.	Name of Faculty & Staff	Designation	Sign.
1	Prof. P. R. Hatte	Chairman	
2	Prof. Dr. Kannan Iyer	Professor, IIT Bombay	
3	Prof. Dr. S. N. Sapali	Professor, COEP, Pune	
4	Mr. Ambadas Kandekar	Manager, TATA Motors	
5	Ms. Premal Bhagat	Alumni Representative	
6	Dr. Loveleen Sharma	Sr. Research Scholar, IIT Bombay	

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

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	24/07/2019
	TYPE OF MEETING	:	BOS

Names of Attendee:
PRH AMM DBP PPK MSD MMS RSJ BRP AKC SGM

Leave of Absence: ---

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	Chairman of BOS Prof. P. R. Hatte welcomed all the dignitaries and explained the agenda of the meeting.	-	-
02	BOS chairman read the points discussed in last BOS meeting.	-	-
03	Mr. D. B. Panchal represented the course structure for **Piping Design** under the Skill courses to be offered in Final year B. Tech in detailed. - Dr. S. N. Sapali suggested to add higher standards like ferrous, non-ferrous etc.	DBP	-
04	Mr. M.M. Shah represented the course structure for **Energy Audit** under the Skill courses to be offered in Final year B. Tech in detailed. - Dr. S. N. Sapali commented that this course is more theoretical.	MMS	-
05	Mr. S. G. Mushan represented the course structure for **Six Sigma** under the Skill courses to be offered in Final year B. Tech in detailed. - Dr. S. N. Sapali commented that, the faculty should be given training at foreign universities before teaching these courses. - Mr. Vijay Umbare (Alumni) suggested that the syllabus should be aligned with the industry needs.	SGM	-
06	Dr. A. M. Malge represented the First year B. Tech course structure for Design Thinking in detailed. - Dr. Prof. Kannan Iyer suggested to add this course to final year also - Dr. Roshani Esaow asked that model making is compulsory for this course or only process?	AMM	
07	Mr. M. S. Dholkawala represented the course structure for **Engineering Tools & Techniques** in detailed. - Dr. Roshani Esaow commented that the chemical contents of ETT are not proper and suggested to add application based topics instead of specific gravity of liquid. - Dr. Prof. Kannan Iyer suggested to delete diffusion part. - Dr. S. N. Sapali commented that it's a common base to choose the proper branch of engineering.	MSD	
08	Mr. D.B. Panchal represented the course structure for **Engineering Graphics** in detailed.	DBP	

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

MIT Academy of Engineering Alandi, Pune-412105	MINUTES OF MEETING	Format no: MITAOE/MECH/HOD/14	Revision No: 00
Department of Mechanical Engineering			Rev Date: 31.01.2014

DATE: 26/07/2018 TIME: 11:00 AM VENUE: DT Lab	ACADEMIC YEAR: 2018-2019 SEMESTER: I

Sr. No.	Name of Faculty & Staff		Designation	Sign.
26	Mr. A. B. Belvekar	(ABB)	Assistant Prof.	
27	Mr. M.W. Bhalwankar	(MWB)	Assistant Prof.	
28	Mr. V.S. Dighe	(VSD)	Assistant Prof.	
29	Mr. A.T. Pokarnekar	(ATP)	Assistant Prof.	
30	Mr. A.S. Shahapurkar	(ASS)	Assistant Prof.	—
31	Mr. Rahul Kumar Patil	(RKP)	Assistant Prof.	
32	Mr. K.S. Sawankar	(KSS)	Assistant Prof.	
33	Dr. N.S. Babu	(NSB)	Adjunct Faculty	

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	26/05/2020
	TYPE OF MEETING	:	BOS

Names of Attendee:	BOS MEMBERS:
PRH, Dr. M.D. Goudar, Dr. S. S. Barve, AMM, AGK PSK KM NBT MMC DBP VND ASC AMK PPK BRP AJA AKC MPJ SPD MWB MMS VAB ABB VPK SGM YLM RKP SBP RKS NSR KMD MRP SPK	Dr. S. N. Sapali (COEP, Pune), Dr. Kannan Iyer (IIT Bombay), Dr. Roshini Easow (SPCE), Mr. Nilesh Birajdar (Industry representative), Mr. Swapnil Nehere (Alumni representative)

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	Mechanical Engineering department conducted BOS meeting through go to webinar forum.	--	--
02	BOS Chairman Prof. P. R. Hatte welcomed all the BOS members and faculty members and explained the agenda of the meeting.	--	--
03	BOS chairman explained the structure and curriculum of SY BTECH 2019 pattern in detailed.	--	--
04	Mr. S. G. Gajbhiv presented Applied Mathematics course curriculum in detail: • Dr. Kannan Iyer suggested to add Crank Nicolson method or can add Theta method; according to him other contents are good. • Mr. Nilesh Birajdar suggested to introduce python for solving numerical methods.	SGG	--
05	Mr. R. K. Patil presented Minor Project course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to allot guides for minor projects before the project selection. He further asked to use MS Project for students. • Dr. Kannan Iyer suggested to follow the proper coordinated structure for effective implementation of the course. He further suggested to add scope of project and use plagiarism software for accuracy of content. • Dr. A.M. Malge briefed in detail the nature, scope and applicability Minor project course on a next level and the	RKP	--

	- All were agreed to the syllabus		
09	Chairman explained the present syllabus structure of Final year B. Tech - Dr. Roshani Esaow asked that what if student don't want to continue with the any allotted elective? - She said the feedback of the students is very important to analyze the outcome of the course. Overall syllabus is good. - Mr. Ambadas Kandekar suggested that faculties should be given more freedom for the conduction of the syllabus.		
10	Chairman Prof. P. R. Hatte concluded the BOS meeting by thanks giving notes.		

Prepared By	Verified By	Approved By
		24/07/19
Department Assistant	QA Coordinator	BOS Chairman

MIT ACADEMY OF ENGINEERING Alandi(D) Pune 412105

	practical. He further suggested to increase contact hours due to trimester pattern.		
12	Dr. S. S. Barve, Dean Academics, thanked all the BOS members and assured about the consideration of their suggestions, instructions in our SYBTech 2019 pattern curriculum.	--	--
13	Dr. M. D. Goudar, Director , MITAOE thanked all BOS members and their contribution in the BOS meeting	--	--
14	BOS chairman concluded the meeting by giving thanks to all BOS members and appreciated the efforts taken by our faculty members for lecture delivery during the lockdown.	--	--

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	Dean of School

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

	assessment process of Minor Project.		
06	Mr. V. P. Kulkarni presented Industrial Measurement course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to add crack test which is very useful for students and he assured to arrange industrial visits for our students. • Dr. Kannan Iyer suggested to include part of pressure measurement, vibration measurement etc. • Members appreciated introducing the course in structure.	VPK	--
07	Mr. M. P. Joshi presented Thermal Engineering course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to add battery systems, CNG engines and calculation. • Dr. Kannan Iyer suggested to change the position of unit 4 to unit 2 or 3. He suggested to cover steam part before Rankine Cycle. • Dr. Roshani Easow commented that the content is too vast to cover in less time.	MPJ	--
08	Mr. A. M. Kolhe presented Metal Forming Process course curriculum in detail: • Mr. Nilesh Birajdar appreciated the course curriculum and suggested to give some industry projects based on joining process in car body etc. • Mr. Swapnil Nehere (Alumni representative) suggested to add wire cutting and jet cutting	AMK	--
09	Mr. M.W. Bhalwankar presented Materials Engineering course curriculum in detail: • Dr. Kannan Iyer commented that overall the syllabus is ok. • Dr. Roshani Easow discussed about hands on practice for students and engagement of all students during practical hours. • Mr. Swapnil Nehere (Alumni representative) suggested to add rubber testing and application of rubber.	MWB	--
10	Mr. V. P. Kulkarni represented Strength of Materials course curriculum in detailed: • All appreciated the syllabus.	VPK	--
11	Dr. A. G. Kamble presented M.Tech (Heat power) structure and curriculum in detail: • Dr. Roshani Esaow asked about faculty availability to teach all electives and also suggested to remove lecture hours for technical writing and convert it into practical hours. • Dr. Kannan Iyer suggested to assign 1 hrs for lecture and 3 hrs for	AGK	--

Mr. Amol Dere, Industry representative and alumni, Manager, Automotive Research Association of India (ARAI), Pune

Objectives :

- To validate the course content of final year
- To scrutinize the SY, TY & BTECH (SEE) Curriculum design
- To develop world-class curriculum for the students
- To design the course content useful for placement and entrepreneurship

Outcomes :

- Analyze and appreciated the structure of curriculum designed.
- Modification in some of course content had been discussed.
- Directed to change the laboratory content as per industry requirement
- Elaborated the various parameters related to curriculum design.

Dean (SEE) welcomed the BoS representatives and members. Introduction of course structure and agenda is elaborated by Mrs Prachi Rajarapollu. The experts analyzed the same and proper justification was given by the Dean and course champions.

Other Remarks :

- Curriculum designed was well appreciated by guests
- BoS representatives more emphasized on designing curriculum useful for product development and entrepreneurship.
- Students overall development should be the aim of school
- As per the BoS members make space for increasing the percentage of discipline core courses.
- Complete minutes of meeting has been attached with this report.

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Alandi (D), Pune – 412105	(Accredited by NBA, ISO 9001:2008 Certified)

REPORT

Activity : Board of studies meeting [Term-II]

Details : SY (Sem – IV), TY BTECH (Sem – VI) & BTECH (Sem – VIII) course discussion

Trigger Point : Overview and discussion of SY, TY & BTECH (SEE) curriculum for new semester

Date : December 02, 2019

Venue : Examination section hall

Level of the Event : Department (E&TC/ETX)

Coordinator : **Prachi R Rajarapollu**

Attendees : SY, TY & BTECH (SEE) Faculty members

No. of Participants : 45

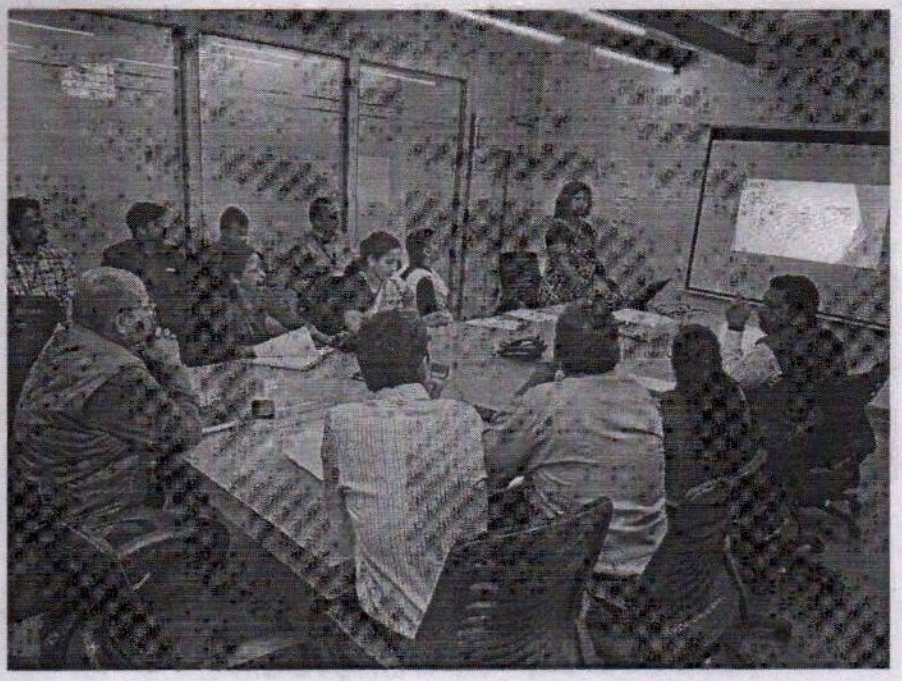
BoS chairman and representatives	05
BoS members	27
Total No. of Participants / Faculty members	**32**

Resource Faculty : **Dr. Krishna Naik, Representative Research,** DRDO Pune.
Dr S P Metkar, University representative, Department of Electronics & Telecommunication Engineering, COE Pune
Mr. Amit Saxena, Industry representative, Aliance Solutions Pvt. Ltd, Pune

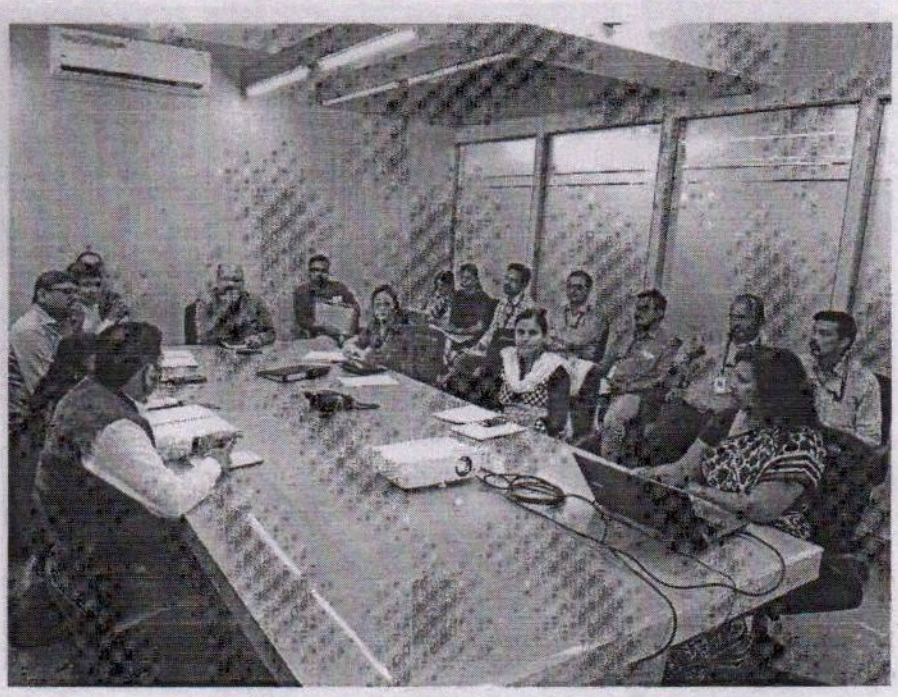
Course presentation by Faculty

Course presentation by Faculty

Photographs :



Curriculum structure presentations to the BoS Members



School dean and faculty interaction with auditors

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF ELECTRICAL ENGINEERING	DATE	:	2/12/2019
	TYPE OF MEETING	:	BoS

Initials of Attendees: DA, KN, SPM, AD, AS, DYS, RPB, UYV, PRR, SAP, SAK, VBK, SSK, SKR, VST, NVB, AKK, AVN, DMD, SDD, MRN, SSN, ADC

Leave of Absence: VAK, HRL, MMB, ABC

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board. He introduced all the internal & external members.	Course Champion & Members	Academic Year 2020-21
2	The forum was then opened for discussion.		
3	The Chairman briefed about the last minutes and the agenda for the current meeting.		
4	Departmental presentation initiated by PRR		
5	Mission and vision had been discussed with BoS members, and proposal has been put to revise it. BoS members have given approval for the same. Mission and Vision of department / School must be in line with Mission and Vision of institute suggested by members.		
6	ATR of Previous year and PO and PSO was discussed. Discussion on proposed course structure is also initiated, BoS suggestions over course structure • Every semester some Mathematical courses must get included in course structure. • Project Management and System Engineering courses can be clubbed together so that there will be space for department core courses to include. • Instead of Minor Project include some skill or language courses for the enhancement of soft skill. • MATLAB is one of the important programming languages for E&TC and ETX students and as per the BoS member		

Interaction and discussion with BoS members

Dr Prachi R Rajarapollu
Autonomy coordinator

Dr Debashish Adhikari
Dean School of Electrical Engineering

	should get include in E&TC syllabus related to CN as this branch is related to communication.		
17	Consumer Electronics-Presented by DMD. Dr. Metkar commented that the course is not fit for final year, it may be in SY or TY OR give more exposure to practical. Theory paper is not relevant for subject.		
18	At the end all the BoS members suggested to put one slide in presentation which shows the table of previous three BOS and action taken, so that it will be closed loop.		

Prepared By	Approved By
Autonomy Coordinator	Dean, School of Electrical Engg.

	suggestion it must be teach in depth. • Instead of Material Engineering some department core course like, Electromagnetic Theory can be included in course structure in third year.		
7	After the review of the previous BoS MoM, course presentation of BTECH courses is initiated by respective course champions.		
8	CAS syllabus was presented by Dr. D. Adhikari. Course is heavy suggested by Dere sir. Infrastructure should be more supportive to conduct practical. Dr. Naik appreciated the text books referred for framing the syllabus.		
9	BME was presented by U. Y. Verma. Dr. Metkar suggested to introduce running problems of brain in syllabus. Also as per the guest expert form industry can explain this topics more effectively.		
10	Artificial Intelligence course was presented by Dr. R. P. Borse. Dr. Naik suggested to change the unit names given. Also it had been observed that the introduction to fuzzy logic is given in unit title but in unit no contents are there related to fuzzy logic. Course name may be the AI concepts as per the content of syllabus. NLP is not linking with deep learning.		
11	As the course do not have practical component, to cover the practical related topics keep case study component which will help the students to understand practical concepts. Suggestion given by Dr Naik.	Course Champion & Members	Academic Year 2019-20
12	SSP- presented by SAP. As per the BoS member and syllabus is very heavy and it will be difficult to cover up the all contents of the course in stipulated time period. It was suggested to reduce the contents and some case studies also.		
13	RTOS (OE)- presented by VST. As per the guest syllabus is too short. Increase the depth of the course, Include specific OS in the syllabus due to which students will be aware of at least one OS in detail. Revised the practical hours.		
14	Intelligent & High Performance Robot – Mr. Amol Dere suggested to change the name of unit I & V, also the unit II and IV may be swapped. Also suggested to build some practical application on Automobile, Process Automation, Biomedical etc.		
15	Mr. Amol Dere commented on the gap between Real robotics used in industry and actually being taught in class. As per him robotics course will be more effective if it has been teach by considering real time applications.		
16	Computer Networks course can be replaced by data communication. Also there should some theory components		

Sr. No.	Name	Designation	Sign
23	Vaishali A. Katkar	Member	
24	Hitesh R. Lodha	Member	
25	Mandar M. Bhalekar	Member	
26	Amar B. Chavan	Member	
27	Aniket K. Kemalkar	Member	
28	Prashant K. Aher	Member	
29	Amit V. Nagarale	Member	
30	Dhananjay M. Devare	Member	
31	Ashish Srivastava	Member	
32	Swapnil D. Daphal	Member	
33	Mandar R. Nalavade	Member	
34	Sandeep S. Nagre	Member	
35	Mahesh C. Vibhute	Member	
36	Ashitosh D. Chavan	Member	
37	Uday P. Mithapelli	Member	
38	Nikhil B. Sardar	Member	

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Alandi (D), Pune - 412105	*Advancing Humanity through Technology* (Accredited by NBA, ISO 9001:2008 Certified)

ATTENDANCE SHEET : BOARD OF STUDIES

Day	Monday	Date	02.12.2019
VENUE	Examination Section	Time	1:00 PM

Sr. No.	Name	Designation	Sign
1	Dr. Debashis Adhikari	Chairman	
2	Dr. Krishna Naik	Representative - Research	
3	Dr. S.P. Metkar	Representative - Academics	
4	Amol Dere	Representative - Industry	
5	Amit Saxena	Representative - Industry	
6	Dr. Mahesh D. Goudar	Member	—
7	Prabha S. Kasliwal	Member	—
8	Dr. Dipti Y. Sakhare	Member	
9	Dr. Rushikesh P. Borse	Member	
10	Usha Y. Verma	Member	
11	Dr. Prachi R. Rajarapollu	Member	
12	Satyajit A. Pangaonkar	Member	02/12/2019
13	Shridhar A. Khandekar	Member	2/12/2019.
14	Vinayak B. Kulkarni	Member	
15	Satish S. Kabra	Member	
16	Smita S. Kulkarni	Member	Kulkarni
17	Savita R. Pawar	Member	
18	Shilpa K. Rudrawar	Member	
19	Vinaya S. Tapkir	Member	
20	Nutan V. Bansode	Member	
21	Dr. Aniket D. Gundecha	Member	
22	Mrunalini H. Chavaan	Member	

LIST OF BOARD OF STUDIES (BoS) MEMBERS

Sr. No.	Name	Designation	Organization
1	Dr. Debashis Adhikari	Chairman	MIT AOE, Alandi
2	Dr Krishna Naik	Representative - Research	R&DE (DRDO), Pune
3	Dr. S P Metkar	Representative University (E&TC)	COEP, Pune
4	Mr. Amit Saxena	Representative - Industry	Aliance Solutions Pvt. Ltd
5	Mr. Amol Dere	Representative - Industry	Manager, Automotive Research Association of India (ARAI), Pune

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AGENDA

BTECH (SEE) BoS MEET

TERM – II [2019-20]

DAY	MONDAY	DATE	December 2, 2019
TIME	09.30 AM	VENUE	EXAMINATION SECTION

Sl. No.	Activity Planned	Scheduled Time
1	Welcome Address	9.30 AM To 10.00 AM
2	Overview of School of Electrical Department, discussion on action taken report of previous BOS	10.00 AM To 10.30 AM
3	Review of revised BTECH (E&TC,ETX) curriculum structure	10.30 AM To 11.00AM
4	Discussion on BTECH (E&TC,ETX) course syllabi	11.00 AM To 12.30 PM
5	Consultation on Major Projects	12.30 PM To 1.30 PM
6	Open Discussions and suggestions	2.30 PM To 3.30 PM
7	Vote of Thanks	3.30 PM

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

Prachi Rajarapollu
Autonomy Coordinator

5	For the course Speech Signal processing, content can be reduced to cover all the topics in stipulated time period.	Course revision is done
6	Course RTOS is very light as per the content, some topics can get included in the syllabus to improve understanding level of students and depth of embedded system minor.	Course revision is done
7	MatLab programming language must be taught in detail with proper credits to pass.	
8	As department elective courses offered by the department do not have practical component, topics related to practical concept can be covered through case study examples.	
9	Extra activities like workshop, training program, coding competition, circuit design competition, project competition for grooming the students.	
10	Promote the students to appear for GATE examination, competitive examinations, civil service examinations etc.	

Dr. Prachi R Rajarapollu
Autonomy Coordinator

Dr. Debashis Adhikari
Dean (SEE)

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ACTION TAKEN REPORT

BTECH (SEE) BoS – December 2, 2019

TERM – II [2019 – 20]

DAY	Monday	DATE	December 2, 2019
TIME	9.00 AM	VENUE	Examination section

Sl. No.	BoS Suggestions	Action Taken
1	Minors floated within the Department need to be revised	Work in progress
2	Courses related to good programming language can be floated to enhance programming skills of students	Course structure revision has been started
3	Courses related to Entrepreneurship and project management can be included	Work in progress
4	In the course Artificial Intelligence contents for first three units can be revised to make it more application base.	Course revision is done

	department also Careful review and course framing has been done for department elective and open elective courses.		
6	Curriculum framework for 2019-23 new pattern has been presented by Dr Prachi R Rajarapollu, autonomy coordinator	Course Champion & Members	Academic Year 2020-21
7	The forum was then opened for discussion.		
8	Department course presentation for newly proposed curriculum of III semester has initiated by Dr PRR, course Digital system & Applications has been presented.		
9	Mr Shridhar Khandekar presented the course data structure and algorithms, Mr Hitesh Lodha presented the course EDC.		
10	MTECH curriculum for 2020-22 pattern has been presented by Mr Prashant Aher, revision in examination scheme is also discussed for newly proposed curriculum.		
11	As per the suggestion given by BoS reviewers, Credits for department elective and open elective should be more as compared to Natural sciences, Engineering science, Humanities and social sciences.		
12	Computer Networks course should be swapped with Principles of Communication Systems for better linking of courses		
13	As per the suggestion given by Dr Sutawane, course objective should be written in a philosophical paragraph and course outcomes should be point form as it is measurable.		
14	Instead of mentioning self-study component after every unit in syllabus, all self-study and further reading components can be mentioned as content beyond syllabus at the end of every course. – elaborated by Dr Sutawane.		
15	Course Random VSO can be Introduction to RVSP, suggested by Dr Merchant		

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF ELECTRICAL ENGINEERING	DATE	:	21/05/2020
	TYPE OF MEETING	:	BoS

Initials of Attendees: DA, ST, SNM, MS, PR, RV, AS, RM, AD, SB, SB, DYS, RPB, UYV, PRR, SAP, SAK, VBK, SSK, SK, SRP, SKR, VST, NVB, ADG, MHC, VAK, HRL, MMB, ABC, AKK, PKA, AVN, DMD, AS, SDD, MRN, SSN, MCV, ADC, UPM, NBS and all staff members.

Leave of Absence: NIL

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board. He introduced all the internal & external members.	Course Champion & Members	Academic Year 2020-21
2	Motivation for revision in courses is explained by dean SEE, as well linking of various courses from FY to BTECH has been elaborated very well.		
3	The chairman also briefed about the motivation for changes introduced in new structure and explained the highlights of modified structure.		
4	The Chairman briefed about the last minutes and the agenda for the current meeting		
5	ATR of Previous BoS has discussed, More courses related to department / discipline has been increased in new curriculum More programming languages are included in curriculum like DSA Electromagnetic theory is one of important course for E&TC and ETX department is included in new proposed curriculum Computer Network course in introduced for E&TC	Course Champion & Members	Academic Year 2020-21

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Alandi (D), Pune – 412105	(Accredited by NBA, ISO 9001:2008 Certified)

ACTION TAKEN REPORT

BTECH (SEE) BoS – May 21, 2020

TERM – I [2020 – 21]

DAY	Thursday	DATE	May 21, 2020
TIME	3.00 PM	VENUE	Gotowebinar

Sl. No.	BoS Suggestions	Action Taken
1	Credits for department elective and open elective should be more as compared to Natural sciences, Engineering science, Humanities and social sciences.	Work in progress
2	Computer Networks course should be swapped with Principles of Communication Systems for better linking of courses	Work in progress
3	Course objective should be written in a philosophical paragraph and course outcomes should be in point form as it is measurable.	Work in progress
4	Course dependent chart can be prepared for better	Will get discussed in institute

16	Course dependent chart can be prepared for better representation of course linking instead of prerequisite.	Course Champion & Members	Academic Year 2020-21
17	All BoS members have suggested many courses for department electives like, System Prog & Operating System, Statistical Signal Processing, Data Structures, Industrial N/W, EMI/EMC, SKADA Systems etc.		
18	There should be some standard way of referencing text book and reference book.		
19	Graphs and trees should be added in Data structures and algorithms skill course.		
20	One lecture slot should be added for Data structures and algorithms skill course.		
21	Examination scheme of MTECH (Electronics) 2020-21 pattern should be revisited.		

Prepared By	Approved By
Dr. Prachi Rajarapollu	
Autonomy Coordinator	Dean, School of Electrical Engg.

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REPORT

Activity : Board of studies meeting [Term-II]

Details : Curriculum framework discussion for 2019-23 pattern & SY (Sem – III), TY(Sem V) & BTECH (Sem – VII) course review

Trigger Point : Overview and discussion for proposed pattern for 2019-23 and new courses offered for semester III

Date : May 21, 2020

Venue : Gotowebinar

Level of the Event : Department (E&TC/ETX)

Coordinator : **Dr Prachi R Rajarapollu**

Attendees : SY, TY & BTECH (SEE) Faculty members

No. of Participants : 45

BoS chairman and representatives	10
BoS members	48
Total No. of Participants / Faculty members	**58**

Resource Faculty : **Dr Sanjay Talole,** Representative – Research, Sc. 'G', R&DE Engineers (DRDO) (Research)
Dr S N Merchant, Academician, Dept. of EE, IIT Bombay
Dr Mukul Sutaone, University Representative, Dy. Director, COE Pune

	representation of course linking instead of prerequisite.	level meeting
5	All BoS members have suggested many courses for department electives like, System Programing & Operating System, Statistical Signal Processing, Data Structures, Industrial N/W, EMI/EMC, SKADA Systems etc.	Work in progress
6	Examination scheme of MTECH (Electronics) 2020-21 pattern should be revisited.	Work in progress

Dr. Prachi R Rajarapollu
Autonomy Coordinator

Dr. Debashis Adhikari
Dean (SEE)

Other Remarks :

- Framework for 2019-23 pattern is well appreciated by the guest
- BoS representatives more emphasized on designing curriculum useful for product development entrepreneurship and skill development
- Placement, entrepreneurship development is one of the important parameter for school/ institute.
- Course code and nomenclatures used for various courses can be revised, as per the suggestion given by BoS representatives.
- As per the BoS members make space for increasing the percentage of discipline core courses.
- Complete minutes of meeting has been attached with this report.

Dr Prachi R Rajarapollu
Autonomy coordinator

MIT ACADEMY OF ENGINEERING Alandi(D.) Pune 412105

Dr Debashish Adhikari
Dean School of Electrical Engineering

Dr Preeti Rege, University Representative, HoD E&TC, COE Pune

Dr R Venkateswaran, Industry representative, Sr VP, IoT Solutions, Persistent, Pune

Mr Amit Saxena, Industry representative, Alliance solutions

Mr. Ravi Maknikar, Representative - Professional Society – ISA, Zenith Technologies

Mr. Amol Dere, Representative – Industry – Alumni, Manager, Automotive Research Association of India (ARAI), Pune

Dr Sunita Barve, Dean Academics, MIT AOE Pune

Prof Sunil Bhagat, Dean QA, MIT AOE Pune

Objectives :

- To develop world-class curriculum for the students for 2019-23 pattern
- To validate the course content of SY, TY and BTECH
- To scrutinize the SY, TY & BTECH (SEE) Curriculum design
- To design the course content useful for placement, entrepreneurship and skill development

Outcomes :

- Analyze and appreciated the structure of curriculum designed.
- Modification in some of course content had been discussed.
- Suggested the swapping of some courses to form better linking of courses.
- Directed to change the laboratory content as per industry requirement
- Elaborated the various parameters related to curriculum design.

Dr Debashish Adhikari, Dean (SEE) welcomed the BoS representatives and members. Motivation for revision in courses and linking of courses for all four year has been explained by dean (SEE). New revised pattern of curriculum 2019-23 has been presented by Dr. Prachi Rajarapollu. The experts analyzed the same and proper justification was given by the Dean and course champions.

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2018-19
SCHOOL OF ELECTRICAL ENGINEERING	DATE	:	July 19, 2019
	TYPE OF MEETING	:	BoS

Initials of Attendees: DA, SET, PPR, SPM, JD, AS, RM, RPB, BNS, PRR, VBK, SK, SSK, NVB, ADG, VAK, AKK, PKA, KAM, AVN, SDD, MRN, SSN, MCV, ADC, PSK, DYS, UYV, SAP, SAK, SRP, VST, HRL, MMB, ABC, MHC, DMD, UPM, VDK, NBS

Leave of Absence: SNM, MSS, SP, AB, PVS, AS, MDG, SKR

Minutes of the Meeting:

Sl. No.	Minutes	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board. He introduced all the internal & external members.	Chairman & Course Champions	Academic Year [2019-2020]
2	The Chairman briefed about the last minutes and the agenda for the current meeting.		
3	BNS presented the Action Taken Report of the previous BoS Meet held on November 20, 2018. The forum was then opened for discussion.		
4	The meeting started with the presentation of revised FY BTECH Curriculum Structure by PSK		
5	SET suggested clear mention of the P/T in the FY BTECH Curriculum Structure		
6	The BoS members highlighted on the course title - English for Engineers and the note - only for students fluent in English		
7	SET advised to confirm from other institutes whether this English course is opted as a Core or Audit or Credit course		
8	SK presented the FY BTECH Course - Foundation of Electrical Engineering. BoS recommended to revisit on the title and course contents (The syllabus is too vast)		
9	Amit Saxena (AS) suggested adding types of sensors in the Unit V - Foundation of Electrical Engg.		

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AGENDA – BOARD OF STUDIES (BoS) MEETING

Day	Tuesday	Date	July 16, 2019
Venue	Meeting Hall – Old Conference	Time	9.00 AM

Sl. No.	Activity	Time
1	Welcome Address	9.00 AM – 9.10 AM
2	Overview of the School of Electrical Engineering	9.10 AM – 9.45 AM
3	Review of BTECH (E&TC / ETX) Curriculum Structure and Course Syllabi	9.45 AM – 12.25 AM
4	Lunch Break	12.25 PM – 1.25 PM
5	Assessment of Revised SY BTECH (E&TC / ETX) Courses	1.30 PM – 2.30 PM
6	Assessment of Revised TY BTECH (E&TC / ETX) Minor Courses and Skill Development Labs.	2.30 PM – 3.30 PM
7	Open Discussions and Suggestions	3.30 PM – 4.00 PM
8	Vote of Thanks	4.00 PM

BN Savant Tapkir

Bhairavi N. Savant / Vinaya S. Tapkir

Autonomy Coordinators

Dr. Debashis Adhikari

Dean – School of Electrical Engineering

Sl. No.	Minutes	Responsibility	Target Date
18	RPB presented the courses under the new minor – Data Science. Data Science Engineering and Machine Learning Algorithms (TY BTECH (E&TC/ETX)), Artificial Intelligent Systems and Natural Language Processing (BTECH (E&TC/ETX) All the BoS members appreciated the introduction of new minor – Data Science and expressed the need of these courses for E&TC and ETX students	Course Champions	Academic Year [2020-2021]
19	RM presented the Industry Standards for Automation (ISA95) levels – Plant, Instrumentation and controls, control devices / systems viz. PLCs, HMI, Supervisory Control and Data Acquisition (SCADA), Manufacturing Execution Systems (MES), IoT and Enterprise Resource Planning (ERP). RM highlighted on the job opportunities in this domain.		
20	BoS advised to float the minors viz. Embedded Systems, Data Science. Bos suggested reexamining the IoT minor.		
21	DA highlighted on the revised BTECH (E&TC / ETX) Discipline Core Courses - Wireless Communication Systems (E&TC), Computer Network (ETX) and Department Electives (DE) - Optical and Satellite Communication (E&TC), Microwave Engineering (ETX).		
22	NVB presented the DE course - Speech signal processing (E&TC/ETX) PPR recommended including Pseudo coding in Image Enhancement, Image Restoration and the concept of Quantization in the DE course - Digital Image Processing. Segmentation and Edge detection should go under two separate units. Include assignments		
23	PPR advised to replace the DE course - Speech signal processing (BTECH (ETX)) to Audio Signal Processing		
24	MCV highlighted the DE course contents – RISC Processors. JD confirmed the Embedded Lab. Setup with latest RISC Core – ARM core based advanced Microcontrollers viz. Philips/NXP Semiconductors Development boards and Embedded Tool chain for building applications. BoS appreciated the same		

Sl. No.	Minutes	Responsibility	Target Date
10	SY/TY/BTECH (E&TC / ETX) current and revised Curriculum Structures were presented by BNS. BNS declared the common courses to be delivered for E&TC as well as ETX students	Course Champions	Academic Year [2020-2021]
11	BoS members strongly recommended/advised shifting or relocating the SY BTECH Program Core - System Engineering in BTECH		
12	The SY/TY/BTECH (E&TC/ETX) Course champions introduced the revised course syllabus of Term – I (Odd semester's viz. III, V & VII). BoS members proposed the addition of 'Introduction to Integrated circuits' in the revised course syllabus - Analog Electronics (SY BETCH (E&TC/ETX)) presented by HRL		
13	PRR presented the SY BTECH (E&TC/ETX) revised course titled Digital Systems and Applications BoS members suggested to add timers in one of the units and deliver various examples in each unit the rather than executing the very common examples like Traffic light.		
14	BoS appreciated the introduction of the SY BTECH (E&TC/ETX) new revised course – Data Structures and Algorithms. Bos highlighted on the basic algorithms, structures and pointers and linked lists to be covered in the course		
15	The TY BTECH (E&TC/ETX) course syllabus of Semester – V was discussed by the course champions. PPR highlighted on introduction of basics of microprocessor and microcontroller. Hands-on sessions on latest microcontroller.		
16	BoS valued the TY BTECH (E&TC/ETX) revised courses viz. Feedback Control Systems, Electromagnetic Theory and Applications, Power Electronics & Application (ETX), Principles of Communication Systems / Communication Systems Engineering (E&TC), Electronic Communication Systems (ETX), Advanced Simulation Tools (ETX) DA highlighted on the revised courses - Electromagnetic Theory and Applications, Introduction to Random Variables and Stochastic Processes and its relevance		
17	BNS presented the current and new or revised minors or Open Electives floated in School of Electrical Engineering for the E&TC/ETX graduates.		

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ATTENDANCE SHEET : BOARD OF STUDIES

Day	Tuesday	Date	16.07.2018
VENUE	Old Conference Hall	Time	9:30 AM

Sr. No.	Name		Designation	Sign
1	Dr. Debashis Adhikari	(DA)	Chairman	
2	Dr. Sanjay E. Talole	(SET)	Representative - Research	
3	Dr. S.N. Merchant	(SNM)	Representative - Academics	—
4	Dr. M.S. Sutaone	(MSS)	Representative - University (Electronics)	—
5	Dr. P.P. Rege	(PPR)	Representative - University (E&TC)	
6	Dr. S.P. Metkar	(SPM)	Representative - Academics	
7	Jitendra Date	(JD)	Representative - Industry	
8	Amit Saxena	(AS)	Representative - Industry	
9	Ravi Maknikar	(RM)	Representative - Professional Society	
10	Saket Parab	(SP)	Dept. Alumnus	—
11	Anil Bhatt	(AB)	Dept. Alumnus	—
12	Dr. Prasheel V. Suryawanshi	(PVS)	Member	—
13	Dr. Rushikesh P. Borse	(RPB)	Member	
14	Bhairavi N. Savant	(BNS)	Member	
15	Prachi R. Rajarapollu	(PRR)	Member	
16	Vinayak B. Kulkarni	(VBK)	Member	
17	Satish S. Kabra	(SK)	Member	
18	Smita S. Kulkarni	(SSK)	Member	
19	Nutan V. Bansode	(NVB)	Member	
20	Aniket D. Gundecha	(ADG)	Member	
21	Vaishali A. Katkar	(VAK)	Member	
22	Aniket K. Kemalkar	(AKK)	Member	

Sl. No.	Minutes	Responsibility	Target Date
25	SSK presented the DE course – Machine Learning JD requested to revisit the Pre-requisites. BoS strongly recommended not including pre-requisites for the Discipline Core and DE courses.	Course Champions	Academic Year [2020-2021]
26	SET suggested to include some courses on Optimization		
27	BoS members suggested to include Lab component for all DE courses (2 TH + 1 PR)		
28	BoS members proposed changing last unit in the course - Java programing from Mini Project to Validation Exercise / Course Project.		

Prepared By	Approved By
BN Sawant	
Autonomy Coordinator	Dean, School of Electrical Engg.

MAEER's MIT Academy of Engineering

School of Computer Engineering and Technology

(Previously Department of Computer Engineering and

Department of Information Technology)

Date: 11-07-2019

1. The BoS Chairman welcomed all the BoS members and open up the meeting.
2. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
3. Autonomy coordinator introduced the proposed common structure and opened the discussion for the courses common for SY B Tech Computer and IT department.
4. Autonomy coordinator presented the proposed common courses to be offered to both the department.
5. SY B.Tech Course Champions for each course presented the syllabus for their respective courses of SY B Tech.
6. Following observations are made by committee members:
   a. Department electives should be common in final year structure.
   b. BoS members suggested that core courses should be common.
7. Following suggestions are made by BOS members on course contents.

7.1 **On Course Contents:**

a. Data and file structure:
   i. All assignments should be in "C".
   ii. The course can be divided into two parts Linear and non-linear Data Structures.
   iii. Avalf trees can be added into the course contents
b. Digital Electronics and Microprocessor:
   i. 8086 processors can be added into the course
   ii. Working of microprocessor and sequential circuits needs to be added.
   iii. All necessary prerequisite need to be covered.
   iv. Contents of COA and DEM can be interchanged to cover prerequisite
c. Operating System:
   i. Suggested changes in Practical.
   ii. Concepts of Multithreading and Multitasking are necessary for contents.
   iii. Mobile OS, IoS should be considered
   iv. . Design part and kernel part must be different
d. Theory of Computations:
   i. Lexical analysis can be added into contents,

Sr. No.	Name		Designation	Sign
23	Prashant K. Aher	(PKA)	Member	
24	Amit V. Nagarale	(AVN)	Member	
25	Ashish Srivastava	(AS)	Member	
26	Swapnil D. Daphal	(SDD)	Member	
27	Mandar R. Nalavade	(MRN)	Member	
28	Sandeep S. Nagre	(SSN)	Member	
29	Mahesh C. Vibhute	(MCV)	Member	
30	Ashitosh D. Chavan	(ADC)	Member	
31	Dr. Mahesh D. Goudar	(MDG)	Member	
32	Prabha S. Kasliwal	(PSK)	Member	
33	Dr. Dipti Y. Sakhare	(DYS)	Member	
34	Usha Y. Verma	(UYV)	Member	
35	Satyajit A. Pangaonkar	(SAP)	Member	
36	Shridhar A. Khandekar	(SAK)	Member	
37	Savita R. Pawar	(SRP)	Member	
38	Shilpa K. Rudrawar	(SKR)	Member	
39	Vinaya S. Tapkir	(VST)	Member	
40	Hitesh R. Lodha	(HRL)	Member	
41	Mandar M. Bhalekar	(MMB)	Member	
42	Amar B. Chavan	(ABC)	Member	
43	Mrunalini H. Chavaan	(MHC)	Member	
44	Dhananjay M. Devare	(DMD)	Member	
45	Uday P. Mithapelli	(UPM)	Member	
46	Vivek D. Kamble	(VDK)	Member	
47	Nikhil B. Sardar	(NBS)	Member	

MAEER's MIT Academy of Engineering

School of Computer Engineering and Technology

(Previously Department of Computer Engineering and
Department of Information Technology)

Date: 06-12-2019

1. The BoS Chairman welcomed all the BoS members and open up the meeting.
2. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
3. Respective course champions presented the modifications required in the course for Sem IV, VI and VIII courses.
4. Following observations are made by committee members:
   a. Industry offered courses should be the Department electives instead core courses.
   b. Human Computer Interaction is accepted by all BOS members as an alternative for Digital Enterprise Management.
   c. Structure revision was discussed in the meeting.
   d. Co-PO attainments were reviewed by the BOS Memebrs.
5. Following suggestions are made by BOS members on course contents.

   5.1 **On Course Contents**:

   a. Human Computer Interactions:
      i. Accepted by all BOS members.
   b. Computational Intelligence :
      i. Use cases can be considered.
      ii. Lab assignments should be generic rather than specific.
      iii. Open source software need to use instead of MAT Lab.
   c. Python:
      i. Inclusion of Problem solving.
      ii. Project report is suggested for mini project as a documentation part.
   d. Machine Learning:
      i. Application/system/case study need to be added in the syllabus.
      ii. Self-study component need to be added.

   5.2 **Additional suggestions for semester long structure**:

      i. Course offered through NPTEL/SWAYAM, normalization of grades can be thought of for credit awards.
      ii. Discussed the evaluation scheme and metrics for assessment of the students going for long Internship.
      iii. Suggested in-house mentor allocation along with Industry expert/mentor.

e. Computer Organization and Architecture:
   i. Hyper-Threading and Virtualization can be considered for the contents.
   ii. Add-on course can be offered in Virtualization
f. STQA: Provide real-time scenarios for practical labs.
g. Artificial Intelligence :
   i. NLP is added as per previous BoS suggestions, appreciated by BoS members.
   ii. Chat-bots / overview of chatbots can be added into assignments.
   iii. Case study such as Google AI, SIRI can be added.
h. Operating System Administration:
   i. System admin Guide can be added in references.
   ii. Debugging in Networking could be thought of.
   iii. Security Administration and Vulnerability assessment can be considered into the syllabus.
i. Digital Forensics:
   i. Suggested to have content coordination among DF and OSA regarding security and Vulnerability contents.
   ii. Suggested to use ACM syllabus to add more contents if required.
   iii. Live forensics- case studies can be considered in labs.
   iv. More emphasize on OS Internal
   v. Unix Administrative Commands must be taught.
j. Computer Programming:
   i. Suggested to use Linux GCC for practical conduction
   ii. GDB, debugging part need to consider.
   iii. Complete Practical assignments must be on GCC and command line prompt only.

8. Additional suggestions:
   i. Suggested to have more core courses to cover up core syllabus.
   ii. DevOps can be added into some of the course contents to match with current needs.
9. Mr. Anil Gupta and Mrs Vahida Attar precisely looked into the structure to ensure that no fundamental courses are missing.
10. BoS appreciated the common structure for both departments with specifications at Final year.
11. Finally, all BOS members appreciated the structure and the courses with some suggestions as mentioned above.
12. The meeting was concluded by a formal Vote of Thanks by Member Secretary.

Mr Manish Giri
Autonomy Co-coordinator

Mrs Rupjana Badre
BOS Chairman

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	17/12/2019
	TYPE OF MEETING	:	Board of Study

Names of Attendee:	Leave of absence:
Dr Gopal Patil, Mr Shivaji Patil PRH ABS BDW NVB VKP SSS SRP NVB NCB VC SGS KSK SBM	Dr. Avinash Garudkar, Mr Pravin Kolhe, Dr Viswanatham

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	Chairman BOS welcomed all the BOS members.		
02	Chairman BOS presented the new SY to B. Tech. Civil Curriculum Structure.		
03	F. Y. B. Tech: • Dr. Gopal Patil enquired about the chemistry course. • He appreciated the good efforts taken for the insertion of Spoken English course in the engineering. • Mr. Shivaji Patil also appreciated the English course.		
04	S. Y. B. Tech: • 3 courses of Skill Development are proposed in the new structure. • Dr. Gopal Patil enquired about the need of Minor project. The semester IV seems bulky and we can remove some courses or rearrange the courses. • Mr. Shivaji Patil commented that the Ethics is really good course.	Autonomy Co ordinator	30/12/2019
05	T. Y. B. Tech: • BOS members suggested the discipline courses.	Autonomy Co ordinator	
06	Final Y. B. Tech: • Sem VIII part A & part B contains 6 modules and semester long internships • Dr. Gopal Patil suggested to add BOE as minor. • Dr Gopal Patil Suggested that skill development courses can be reduced.	Autonomy Co ordinator	
07	BOS members finalized the discipline courses, open electives, department electives and skill development courses as below:	Autonomy Co ordinator	
08	Discipline courses: SY Sem-I • Building, design & construction		

5.3 Suggestions for structure revision:

i. MLC courses such as EVS, Sociology need not be credit based, but can be compulsory in curriculum.

ii. Theory of Computations can be offered with practical.

iii. Suggested at least 1 Hour theory for any practical based course.

iv. HCI can be made compulsory course in 7th or 6th Semester.

v. More weightage should be given on core courses and other courses viz. Psychology, Project management, EVS etc can be offered as an audit course or with less credits.

vi. Suggested that Indian Constitution course should be the part of curriculum.

6 Mr. Pravin Pawar appreciated the long Internship plan and encouraged for the same.

7 Dr. Vahida Attar addressed the liberal art course inclusion into syllabus.

8 BoS appreciated the proposed structure for 2019-23 batch.

9 Suggested, open elective courses to be offered at interdisciplinary level.

10 Finally, all BOS members appreciated the structure and the courses with some suggestions as mentioned above.

11 The meeting was concluded by a formal Vote of Thanks by Member Secretary.

Dr. Manish Giri
Member Secretory

Mrs. Ranjana Badre
BOS Chairman

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	Dean of School

D

	• Mechanics of solids • Drinking Water and Sanitory Eng. Sem-II • Mechanics of fluids • Geospatial Engg • Geotechnical Engg TY Sem-I • Structural Analysis • Concrete Technology • Transportation system Engg • Water Resource Engineering • Structural Design -I (Steel Structures) Sem-II • Structural Design-II (RCC) • Land Transportation (Highway & Railway) • Design of Hydraulic Structures BTech Sem-I • Quantity Estimation		
09	Suggested Skill development Courses: • SDP 1 (MS Excel, R, 3D Max) • SDP 2 (ETABS, VISSIM, Sewer CAD) • SDP 3 (STADD Pro, MXROAD) • SDP 4 (Q-GIS)		
10	Suggested Department Electives courses: • Foundation Engg. • Adv. Structural Analysis • Railway Engg & Airport • Numerical Methods • Building Services • Geospatial Tools & Technology • Air & Noise Pollution • Finite Element Method • Bridge Engg.		
11	Suggested Open Electives courses: 1) Construction Project Mangt. - Project management , Operation Research, Financial Management. 2) Environmental - Solid Waste, Unit Operations for Liquid Waste (Effluent Treatment Plant/Sewage Treatment Plant), Environmental Impact Assessment & Climate change		
12	Prof. P R Hatte (Dean SMCE) officially handover the charge of Chairmen BOS of Civil Engg. to Mr Atif Shaikh.		
13	Chairman BOS concluded the meeting by thanks giving note.		

10	Mr. Sumit Patil has presented modification in course Building Design & Construction • He suggested removal of practical related to axonometric & perspective drawings because of time constraint • Changes are approved by BOS		
11	Mr. Sumit Patil has presented modification in course Concrete Technology • He suggested addition of case study related to new age concrete technology under Unit No. 6. • Changes are approved by BOS		
12	Mr. N.V. Bhalerao has presented some modifications in course Water Resource Engineering • He suggested addition of new practical i.e. Practical No. 6 Watershed delineation using Remote Sensing data & Practical No.7 Calculation of Normalized Difference Vegetation Index (NDVI) using soft computing tool QGIS • Changes are approved by BOS • Dr. A. Garudkar suggested a visit to Rahuri Krushi Vidyapeeth regarding this course • Dr. Garudkar also suggested to introduce effect of climate change on water resources	Mr. Nikhil Bhalerao	05/08/19
13	Mr. N.V. Bhalerao has presented some modifications in course Drinking water & Sanitary engineering • He presented changes due to logical sequencing of practicals	Mr. Sachin Shinde	05/08/19
14	BOS members discussed the possibility of keeping minor courses from S.Y. itself		
15	Chairman BOS concluded the meeting by thanks giving note		

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	Dean of School

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	29/07/2019
	TYPE OF MEETING	:	Board of Study

Names of Attendee:
PRH ABS SRP NCB BDW SGS NVB SDP MAK VKP VC

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	Chairman BOS welcomed all the Auditors and introduce themselves.		
02	Chairman BOS took review of last Academic Audit.		
03	Mr. Vipul Chitnis presented the course curriculum for Applied Mechanics • Dr. Gopal Patil suggested modify COs as per Blooms Taxonomy wherever required	Mr. Vipul Chitnis	05/08/19
04	Chairman BOS has presented S.Y. to B.Tech Civil Engineering structure		
05	Mr. Shivaji Patil & Dr. Gopal Patil appreciated introduction of courses like Sociology, Psychology etc.		
06	Ms. S.D. Pagay proposed a replacement of course 'Visualization & Information Exchange' by the course 'Statistical methods in construction'. • BOS reviewed & agreed for the course content. • BOS suggested a change in course title • BOS suggested to remove Operation Research as prerequisite & add Mathematics II instead	Ms.Snehal Pagay	05/08/19
07	Chairman BOS, presented current minor courses & requested BOS member to provide suggestion for other minor basket that can be offered • Dr. Garudkar suggested Environment related minors • Mr. Shivaji Patil & Dr. Gopal Patil suggested Infrastructure related minors • Gopal Patil also suggested that a minor can be floated as per the requirement of GATE & other competitive exams	Mr. Nikhil Bhalerao Mr. Sachin Shinde, Mr. Khushal Kanade , Mr. Atif Shaikh & Mr. Bhaskar Wabhitkar	30/09/19
08	Dr. Gopal Patil enquired about Internship programme, to which Prof. Gaudar has explained the involvement of students outside as well as in-house activities like BAJA, SAE etc.		
09	Mr. Deepak Chaudhari presented course Urban & Town planning & approved from BOS member		

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Minutes of Meeting (Board of Studies)

A meeting of all BoS members of Chemical Engineering was held on 26th May 2020 at 10.00 am on online mode on webinar. The webinar id of meeting was 533-670-555.
Following members were present during the meeting:

S.N	Name	Designation	S. N	Name	Designation
01	Prof. M Senthilkumar	Chairman	12	Mr. S S Gandhi	Member (Faculty)
02	Prof (Dr.) S. S Bhagwat	Member (VC Nominee)	13	Mr. V D Pakhale	
03	Prof. (Dr.) S.D Manjare	Member (Academic)	14	Mr. V A Tarange	
04	Prof. (Dr.) K L Wasewar	Member (Academic)	15	Mrs. A Gode	
05	Dr. S. P. Kamble	Member (R&D)	16	Mr. Amol Kapse	
06	Dr. C V Rode	(Member, Professional Society)	17	Mrs. S S Shende	
07	Mr. Kumar Mulemane	(Member, Industry)	18	Dr. M P Patil	
08	Dr Arika M Kotha	Member (Faculty)			
09	Dr P N Sutar				
10	Dr. S P Shewale				
11	Mrs. M D Sardare				

Leave absence was granted to

1. Mr. Madhusudan Jugdar (Member, Alumni)
2. Prof. (Dr) N M Rane

All the external members of BoS were given a warm welcome by the Dean school. As per the agenda of the meeting, Dean Sir presented the curriculum structure in front of BoS member.

Following points were discussed during the meeting:

1. Senthilkumar sir briefed about the last BoS minutes of meeting action taken over them.
2. Dean Sir discussed in detailed the placement and internship scenario.

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MIT ACADEMY OF ENGINEERING School of Chemical Engg.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting

Meeting No.01/2020

Date: 26th May 2020

The agenda for the meeting is as follows.

1. Review of previous BoS Minutes and Action taken over them.
2. Status of Internship & Placement.
3. Teaching & learning process during lockdown period.
4. Major discussion on proposal for curriculum structure for upcoming autonomy batch

MIT ACADEMY OF ENGINEERING School of Chemical Engg.

			behaviour) in Unit-II can be included. • Compressibility charts can only be briefed • Do Redlich Kwong EoS and virial equation in detail • Mention gas-liquid, solid-liquid and solute-solution equilibria • Give a live industrial example at the end of each unit. • Give only 2 textbooks, while other can be reference books. • Add the following reference books: **"Chemical and Engineering Thermodynamics"** by Sandler **"Chemical Thermodynamics"** by Reid 'Phase equilibria in chemical engineering' by Walas
4	CH223	Momentum Transfer	• "Gas flow" and "Compressible fluid" are an important concept and it has to be part of the curriculum: try to add the same in Unit I or II. • In Unit no II, while discussing the concept of "Bernoulli equation" try to cover the line sizing, friction factor, blood flow and Hemodynamics (or haemodynamics are the dynamics of blood flow). • In Unit no I, while discussing the concept of "types of flow", start the discussion from the basic concept of flow like the laminar, turbulent flow and add these contents in the curriculum. • In Unit, no V, along with the concept of "Types of Pump" add "Performance & Characteristics of the pump". Also, add different types for discussion along with the centrifugal pump. • Live examples/ Industry problems must be discussed with the student after every unit or session for better applicability of the concept in actual practice. • For conduction of laboratory CFD session, use open-source software like

3. Dean Sir discussed the teaching & learning during lockdown.
4. Dr Bhagwat Sir appreciated the teaching & learning during lockdown.
5. Dr Bhagwat Sir suggested that only PPT is not useful that much during online learning. Instead of that use writing pad hardware and ask instructor to write on them.
6. Dr Bhagwat Sir suggested that, divide your lecture in chuck or split into 5 to 6 parts within one hour lecture so as effective learning will happen & student will appreciate the same.
7. Dr Bhagwat Sir suggested that, use open source software.
8. Dr S D Manjare Sir, raised question to Dean Sir regarding the use of virtual lab. What did you do for virtual lab? Dean Sir explained it.
9. Dr S D Manjare Sir suggested that, videos of virtual lab can be shared to student.
10. Dr S D Manjare Sir suggested that, during the lecture use writing pad for technical writing and mathematical equations.
11. Dean Sir requested to Champions of S Y B Tech courses to present their course content in front of BoS member.
12. The following course wise suggestions were given during the discussion.

Sr No	Course Code	Course	Suggestions
1	CH-222	Inorganic and Analytical Chemistry	• Based on the suggestions by external & industry expert, Dr Rode Sir suggested that inclusion of XRD is not so much required. • Dr Bhagwat Sir suggested that, teacher should have more industry exposure in order to teach chemistry course and it is applicable to all other courses. • Mr Mulemane Sir suggested that any concept start with industry applications.
2	CH-232	Advanced Chemistry	• Emphasis on spectroscopy may not be required • Appreciated the inclusion of Adsorption and Catalysis content. • Role of catalysis for sustainable and green processes, biomass utilization can be included. • Instead of Electrochemistry Material Safety Data sheet MSDS can be included.
3	CH224	Chemical Engineering Thermodynamics	• Mention the limitations of thermodynamics • Remove the course objective/outcome related to refrigeration • Behaviour of real fluids (non-ideal

Prepared By	Verified By	Approved By
V. A. Tarange.	Sandeep Pshewalk	(M. SENTHILKUMAR)
Name and Sign	Name and Sign	Name and Sign

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			Ansys or any other available. • Add the following textbook: Coulson and Richardson's Chemical Engineering Volume 1 - Fluid Flow, Heat Transfer and Mass Transfer Unit Operations of Chemical Engineering by Warren McCabe, Julian Smith, Peter.
5	CH 221	Material and Energy Balance	• The text book list can have only 2 books and Stoichiometry by Bhatt and Vora can be added in reference. • The number of hours for Unit 3 Unit Operations looks less and proper justification will be required. • Material balance for biological reactions can be added.

13. After the course presentations dean Sir presented curriculum structure
14. Dr Bhagwat Sir suggested that, each program has to introductory course at F Y B Tech.
15. Prof S D Manjare Sir told that, sequence of course is correct and suggested that think on adding optimization of chemical processes & Rheology course.
16. Dr Bhagwat Sir point out that, percentage of humanity credits are at little lower side. They suggested that, if you want you can increase the number of total credits more than 160. 160 credits are minimum credits recommended by AICTE. You can go up to 180 credits.
17. Based on above Dean Sir discussed the Honors of elective.
18. Prof S D Manjare Sir suggested that, Chemical Engineering student has to learn minimum 141 units during their degree course.
19. Dr Bhagwat Sir suggested that, Computational Fluid Dynamics course can be an open elective course.
20. Prof S D Manjare Sir suggested that, you can add microfluidics as a course.
21. After the discussion on curriculum structure Dean Sir requested to all BoS members to give their opinion on online learning in incoming semester & commencement of semester on 15th June 2020. Based on this following suggestions are arrived by BoS member.
    a) Dr Bhagwat Sir suggested that, rather than having pure online learning there has to be blended learning.
    b) Prof S D Manjare Sir suggested that, give some videos to student based on the delivery of course content which is planned by instructor. And instructor should be ensuring that it is more interactive.
    c) Common suggestion arrived by BoS members that, interact to students after every 10 to 15 minutes during online session & ensure that students are attending online lectures. Take proper feedback from them.
22. The meeting was concluded by giving thanks to all BoS member.

MIT ACADEMY OF ENGINEERING

MIT ACADEMY OF ENGINEERING School of Chemical Engg.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Minutes of Meeting (Board of Studies)

A meeting of all BoS members of Chemical Engineering was held on 7th December 2019 at 11.30 am in old conference room, MIT AoE, Alandi.
Following members were present during the meeting:

S.N	Name	Designation	S. N	Name	Designation
01	Prof. M Senthilkumar	Chairman	11	Mr. V D Pakhale	Member (Faculty)
02	Prof (Dr.) S. S Bhagwat	Member (VC Nominee)	12	Mr. V A Tarange	
03	Prof. (Dr.) S.D Manjare	Member (Academic)	13	Dr. A B Kanagare	
04	Prof. (Dr.) K L Wasewar	Member (Academic)	14	Mrs. S S Shende	
05	Dr. S. P. Kamble	Member (R&D)	15	Dr. M P Patil	
06	Mr. Kumar Mulemane	(Member, Industry)			
07	Dr P N Sutar	Member (Faculty)			
08	Dr. S P Shewale				
09	Mrs. M D Sardare				
10	Mr. S S Gandhi				

Leave absence was granted to

1. Dr. C V Rode (Member, Professional Society)
2. Mr. Madhusudan Jugdar (Member, Alumni)
3. Mrs. A Gode
4. Prof. (Dr) N M Rane
5. Mr. Amol Kapse

All the external members of BoS were given a warm welcome by the Dean school. As per the agenda of the meeting, Dean Sir presented the curriculum structure in front of BoS member.

Following points were discussed during the meeting:

1. Senthilkumar sir briefed about the last BoS minutes of meeting action taken over them.
2. Discussion on internal assessment.

MIT ACADEMY OF ENGINEERING Alandi(O.)

MIT ACADEMY OF ENGINEERING School of Chemical Engg.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting

Meeting No.02/2019

Date: 7th December 2019

The agenda for the meeting is as follows.

1. Review of previous BoS Minutes and Action taken over them.
2. Feedback on completed T Y B.Tech summer Internship
3. Discussion on 6 month internship for Final year B Tech student.
4. Discussion on change of teaching scheme for the course of Chemical Equipment design (CH323).
5. Proposal for change in curriculum structure for upcoming autonomy batch.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting

Meeting No.02/2020

Date: 09th Nov 2020

The agenda for the meeting is as follows.

1. Minutes of meeting for the previous BoS and action taken report.
2. Introduction and welcome of the new members on BoS.
3. Discussion on the course of 4th Semester for the A Y 2020-21 regulations 2019-23.
4. Suggestions for the upcoming semester courses.
5. Discussion on the assessment and evaluation of the current semester.
6. Any other points.

MIT ACADEMY OF ENGINEERING School of Chemical Engg.

3. Discussion on summary of internship done by students in various industries during vacation.
4. Dr Bhagwat sir suggested that, student should go at manufacturing unit for internship instead of going in any academic or research institute.
5. Dr Wasewar Sir also suggested that, internship should be exclusively in industry only rather than in any research or academic institute.
6. Dr Bhagwat sir suggested that, there should be some evaluation has to do by industry during internship of students.
7. Dr Kamble Sir suggested that, 4 weeks are not sufficient for internship. It should be more than 4 weeks, may be 6 or 8 weeks.
8. Discussion on 8th semester, semester long internship. Dean Sir, informed to all BoS members that, as per the institute policy only 10% students will be permitted for the 8th semester, semester long internship based on CGPA criteria.
9. All BoS member suggested that, ask students to apply for semester long internship & then do the selection of them by interviewing & let the industry pick the student irrespective of their CGPA.
10. There was discussion on online courses which students are going to opt at 8th semester during semester long internship. All BoS member suggested that, if some students are failed in online course, for them go for repeat examination so as they will never lose their semester or year.
11. Discussion on Chemical Equipment Design course. Dr Bhagwat Sir suggested that, there should be safety aspects in this course. Also he suggested that can we put lecture plus tutorial for the course.
12. All BoS members are satisfied with proposed curriculum structure. They only suggested that, do some reshuffling of courses & discussion was happened on that.
13. Dr Bhagwat sir suggested that, Aspen software should be there at 8th semester.
14. Mr. Mulemane Sir (Member, Industry) suggested that, there should be Cognitive Science course instead of psychology course.
15. The meeting was concluded by giving thanks to all BoS member.

Prepared By	Verified By	Approved By
V.A. Tarange.		M SENTHILKUMAR
Name and Sign	Name and Sign	Name and Sign

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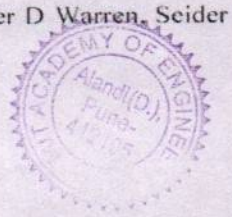
2. Prof S S Gandhi Sir, introduce all the new BoS members with warm welcome.
3. Dean Sir requested to Champions of S Y B Tech courses to present their course content in front of BoS member.
4. The following course wise suggestions were given during the discussion.

Sr No	Course Code	Course	Suggestions
1	AS-203	Applied Mathematics	• Use book by Chhapra and Canal for numerical methods. • Take Laplace transform applications in process control. • Curve fitting topic is missing in statistics.
2	CH-231	Heat Transfer	• In phase change boiling & condensation & condensation of pure vapour is enough & reduce the time. • Emphasize trends in heat exchanger. • Emphasis on Heat exchanger design • If time permit include agitators in Unit VI • Bridge the gap between the mathematics & this course. Heat mechanics of Heat transfer can be included in practical. • Give the exposure to students about simulation softewares so as they can understood the subject & they can do well at T Y B Tech & B Tech.
3	CH233	Mass Transfer	•

5. After the course presentations dean Sir discussed assessment & evaluation.
6. Dean Sir discussed the curriculum structure of T Y B Tech & B Tech.
7. Dr Srinivas Sir appreciated the long term goals i.e. minor degree in Process Engineering
8. Dr Srinivas Sir suggested the book for Process Engineering i.e. S B Thakore & B I Bhatt "Introduction to Process Engineering & Design".
9. Dr Srinivas sir suggested that, do well synchronization in process economics, process analysis & Process design.
10. Dr Srinivas sir also suggested that, course content for process Design should be designed carefully & takes the opinions of academic & Industry experts.
11. Alpesh Sir appreciated the alignment of course content with Industry.
12. Alpesh Sir also suggested that in semester VII Plant Design with Piping Dynamics Simulation can be included.
13. Dr Bharat Sir suggested that, we can have different softwares & we should have to give exposure to student by taking practical on it.
14. Dr Srinivas Sir suggested one more book i.e. Seider D Warren, Seider D J Lewin Daviel "Product & Process Design Principles".



MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Minutes of Meeting (Board of Studies)

A meeting of all BoS members of Chemical Engineering was held on 9th November 2020 at 10.00 am on online mode on webinar. The webinar id of meeting was 821-307-859.
Following members were present during the meeting:

S.N	Name	Designation	S. N	Name	Designation
01	Prof. M Senthilkumar	Chairman	12	Mr. S S Gandhi	Member (Faculty)
02	Prof. (Dr.) Srinivas Krishnaswamy	Member (Academic)	13	Mr. V D Pakhale	
03	Prof. (Dr.) Bharat Bhanvase	Member (Academic)	14	Mr. V A Tarange	
04	Dr. Ravindra Gudi	Member (R&D)	15	Mrs. A Gode	
05	Dr. Prafulla Garge	(Member, Professional Society)	16	Mr. Amol Kapse	
06	Mr. Alpesh Dakshini	(Member, Alumni)	17	Mrs. S S Shende	
07	Mr Prasad Kadolikar	(Member, Industry)	18	Dr. M P Patil	
08	Dr A M Kotha	Member (Faculty)			
09	Dr. S P Shewale				
10	Dr P N Sutar				
11	Mrs. M D Sardare				

Leave absence was granted to

1. Prof (Dr.) S. S Bhagwat Member (VC Nominee)
2. Prof. (Dr) N M Rane Member (Faculty)

All the external members of BoS were given a warm welcome by the Dean school. Dean Sir discussed previous minutes of meeting and agenda of present meeting to all BoS member.

Following points were discussed during the meeting:

1. Senthilkumar sir briefed about the last BoS minutes of meeting action taken over them.

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MIT ACADEMY OF ENGINEERING School of Chemical Engg.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Board of Studies meeting

Meeting No.01/2021

Date: 29th April 2021

The agenda for the meeting is as follows.

1. Discussion about Third-year autonomy curriculum
2. SY, TY B Tech result - Interaction with faculty members
3. Assessment and evaluation method
4. Any other relevant points with permission from BoS Chairman

MIT ACADEMY OF ENGINEERING ★ 412105

MIT ACADEMY OF ENGINEERING ★ School of Chemical Engg.

15. The meeting was concluded by giving thanks to all BoS member.

Prepared By	Verified By	Approved By
V.A. Tarange	Dr. S.P. Shewale	M.SENTHILKUMAR
Name and Sign	Name and Sign	Name and Sign

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MIT ACADEMY OF ENGINEERING School of Chemical Engg.

2. Prof S S Gandhi Sir, introduce all the new BoS members with warm welcome.
3. Dean Sir discussed the curriculum structure of 5th and 6th semester and he has informed all BoS members that discussion is going on project management course as well as sustainable development course. As we have decided to run project for 5th, 6th and 7th semester then whatever the project management concepts are there that will be covered in these three semester. So management has decided to run sustainable development course for all branches.
4. Prof. S S Bhagwat sir raise the point about the relation between credits and marks relation for our university.
5. Then Dean Sir, requested to T Y B Tech course champions to present their courses in front of BoS members.
6. The following faculty presented their courses

Sr No	Course Code	Course	Presented by
1	CH-341	Chemical Engineering Operations	Mr S S Gandhi
2	CH-343	Chemical Reaction Engineering	Dr P N Sutar
3	CH-351	Process Engineering	Dr S P Shewale
4	CH-344	Computational Fluid Dynamics: (CFD)	Mrs A Gode
5	CH-342	Separation Processes	Mr M Senthilkumar
6		Design for Sustainability	Dr M P Patil

7. The following course wise suggestions were given during the discussion.

Sr No	Course Code	Course	Suggestions
1	CH-341	Chemical Engineering Operations	• Prof. Bharat Bhanvase sir suggested that, for fluidization will require more than 4 hrs. • Prof Ravi Gudi Sir suggested that, if in Fluid mechanics multiphase and slurry part is not covered then introduce it in this subject. • Prof Ravi Gudi Sir suggested that, in Fluid mechanics solid flow transport, slurry flow should be there.
2	CH-343	Chemical Reaction Engineering	• Prof. S S Bhagwat Sir suggested that, gas-vapor reactions should be there. • DrPrafullaGarge Sir asked about the plan of multiphase reactions. • Dr. Bhanvase Sir suggested that in non-catalytic reactions, if possible buble column & some design part should be included. • Dr. Bhanvase Sir suggested that, Levenspiel book has many ideas about the same topic non-catalytic reactions, If you can try split units like fluid-fluid and fluid –solid reactions.

MIT ACADEMY OF ENGINEERING School of Chemical Engg.

MIT Academy of Engineering, Alandi -412105

School of Chemical Engineering

Minutes of Meeting (Board of Studies)

A meeting of all BoS members of Chemical Engineering was held on29th April 2021 at 10.00 am on online mode on webinar.
Following members were present during the meeting:

S.N	Name	Designation	S. N	Name	Designation
01	Prof. M Senthilkumar	Chairman	12	Mr. V A Tarange	
02	Prof (Dr.) S. S Bhagwat	Member (VC Nominee)	13	Mrs. A Gode	
03	Prof. (Dr.) Bharat Bhanvase	Member (Academic)	14	Mr. Amol Kapse	
04	Dr. Ravindra Gudi	Member (R&D)	15	Mrs. S S Shende	
05	Dr. Prafulla Garge	(Member, Professional Society)	16	Dr. M P Patil	Member (Faculty)
06	Dr A M Kotha	Member (Faculty)			
07	Dr. S P Shewale				
08	Dr P N Sutar				
09	Mrs. M D Sardare				
10	Mr. S S Gandhi				
11	Mr. V D Pakhale				

Leave of absence was granted to

1. Mr.AlpeshDakshini (Member, Alumni)
2. Mr Prasad Kadolikar(Member, Industry)

All the external members of BoS were given a warm welcome by the Dean school. Dean Sirdiscussed previous minutes of meeting and agenda of present meeting to all BoS member.

Following points were discussed during the meeting:

1. Senthilkumar sir briefed about the last BoS minutes of meeting action taken over them.

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8. After the course presentations.Dean Sir discussed the examination scheme on ongoing situation i.e. pandemic situation.Dean sir informed to all BoS members that we are trying to include negative marking as well as more subjective questions in the next semester.
9. Dean Sir discussed the B. Tech. honor degree & asked suggestions by BoS members.
10. Dr Bhanvase Sir suggested that Green Chemistry is already there but think about Nanotechnology. many inventions are going in this field.
11. Dean Sir discussed the statistics of Graduate students in terms of placement, higher study in abroad, higher study in India etc. This discussion happens based on the request by Dr S S Bhagwat Sir.
12. Discussion on name changing for Chemical Equipment Design course as it is included in two different semesters and same name cannot be given. So suggestions can also give afterwards.
13. The meeting was concluded by vote of thanks given by Mr S S Gandhi.

Action Taken:

1. Third year autonomy curriculum have been started to implement from current semester
2. Three semester project have been implemented for TY B Tech students from current semester.
3. For assessment & evaluation method, 50% subjective questions make mandatory for all theory courses.
4. For theory courses whatever suggestions given by BoS members almost all suggestions have been taken into consideration & made necessary changes into curriculum.
5. Name changing for Chemical Equipment Design need to finalize.

Prepared By	Verified By	Approved By
V.A. Tarange.	Sudhir Gandhi	(M SENTHILKUMAR)
Name and Sign	Name and Sign	Name and Sign

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			And whatever the part you are trying to cover in multiphase reactor that try to include in each unit where the content can match.
3	CH-351	Process Engineering	• Dr Ravi Gudi Sir – According to him synthesis part should be covered earlier rather than 5th unit. He has pointed that if you have included troubleshooting, costing in your syllabus then it is a part of process operations then try to use different books for references. You can use books like Rudveek, Duggles etc. • Prof. Bhagwat sir also supported to above points.
4	CH-344	Computational Fluid Dynamics: (CFD)	• Prof. Bhagwat sir suggested that, first complete one cycle of this course and then according to review based on students', modifications can be done in the course. • Prof. Bhagwat sir suggested that, introduce tutorial sessions for this course. • Prof. Ravi Gudi – Suggested that search for open source software for this course.
5	CH-342	Separation Processes	Prof. Bhagwat sir told that Mc Thiele method is most useful method. Other methods are used only for design purpose. You can remove Ponchon-Savorit method as it is not widely used. Reactive distillation Batch distillation is covered or other things are also going to cover. Some stage wise distillation part also tries to cover. In steam distillation practical if you are trying to use Aniline then try to take more safety because it is hazardous in nature otherwise you can use turpentine also. Try to give more focus on distillation column as it is need of today's industry need. Introductory part of Chromatography also includes in syllabus. • Prof. Bhagwat sir also suggested that chromatographic separation should be covered in this course.
6		Design for Sustainability	• Prof. Bhagwat sir give suggestions that while planning for case studies try to find different case studies for each year otherwise there will be problem of copy paste for students. • Dr Ravi Gudi Sir suggested that give flavor of chemical Engineering. • Dr Ravi Gudi sir suggested book Sustainable Engineering: Principles and Practice by BhavikBakshi for the same course.

	methods have been divided into two units which was there a one unit in previous content. Suggestions from BOS team • The application related to civil engineering in relation with mathematics should be included in practical section. • It is suggested to cross check course content of APM with Numerical method (DE) offered			
4	Mr. Manoj Bhalawankar has presented content for Material Engineering. Along with all course content, He mentioned research approach for his assessment in terms of students can publish conference paper with practical study. **Suggestions from BOS members** • The study on materials related to civil engineering should be added in content.	Respective course champion		Building construction material is exist in BDC course
5	Before starting core course content discussion Mr. Atif has explained the curriculum structure in detail i.e. forefront areas. In addition, he has explained linking between the all subjects in comprehensive manner. Mr. Kolhe has addressed that the name of Geospatial engineering should be Geospatial Survey as it covers three subjects in it. However, Mr. Dipak Choudhury has suggested that, He has conducted survey for this name wherein he found the name Geospatial engineering was used in many foreign countries.	Respective course champion		
6	Mr. Bhaskar Wabhitkar has presented course content for Geotechnical Engineering, starting with importance of the course. He explained addition of slope stability in this course which were not there in previous content. He also elaborated the practical content which include mainly two projects based on basic soil testings. **Suggestions from BOS members** • There was no any suggestions for this course	Respective course champion		
7	Mr. Sumit Patil has delivered his presentation for course Building Design and Construction. He started his presentation with marking scheme comparison of old and new syllabus. He has made his presentation in comparative manner. He has mentioned that, 7 chapters were there as per old syllabus which is compacted into 6 chapters in new syllabus. He added that, this course was shifted from second semester to first semester of second year. **Suggestions from BOS members** • Unit number first name should be Introduction to Building Planning instead of Introduction to Building & Planning	Respective course champion		

MIT | Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	30/05/2020
	TYPE OF MEETING	:	BOS

Names of Attendee:	Leave of Absence:
Dean SMCE, Dean Academics, Dean RnD, ABS, SRP, NCB, BDW, NVB, SGS, MAK, DKC, SSS, KSK, SBM, RLG, VKP	

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date	Action Taken
1	The Board of Studies (BOS) has been conducted for discussing Civil Engineering curriculum structure & S.Y. syllabus through gotowebinar forum with following members, Mr. Pravin Kolhe Dr. Gopal Patil Dr. A S Garudkar Mr. Shivaji Patil The session started with welcoming of these guests.	------		-
2	Mr. Atif Shaikh has presented the curriculum structure for S.Y. to B.Tech Civil Engineerin U.G. program. The doubt regarding liberal learning was sorted by Prof. Hatte and regarding mini and minor project was sorted by Dr. Malge. Later on, Mr. Atif Shaikh has explained departmental core, program core, discipline elective and one month internship (for TY) through curriculum structure. In addition, he has discussed semester long internship and how the assessment is carried out for the students undergoes to this internship in detail. Further, he has explained the three minor basket in which construction management was running one however, environmental and structural engineering are newly added minor baskets. **Suggestions from BOS members** • Geology is important course and some of the content should be added somewhere in curriculum	Mr. Atif Shaikh		-
3	Mr. Gajbhiv has presented the course content of Applied Mathematics. He has clarified the reasons for addition of vector differentiation unit in course. Also, the numerical	Respective course champion		-

	well as course outcome as per blooms taxonomy action verb			

Prepared By	Verified By	Approved By
Autonomy Coordinator	**QA Coordinator**	**Dean of School**

DEAN
School of Mechanical & Civil Engineering
MIT Academy of Engineering
Alandi (D.), Pune-412 105.

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

MIT ACADEMY OF ENGINEERING School of Mechanical & Civil Engg.

	• Types of stone masonry is not in syllabus • Importance should be given to Stair case and can be included in building component • Concept of green buildings should be added			
8	Mr. Nilesh Bagalekar has presented the course Mechanics of Solids. Course formed firm foundation for one of the forefront area i.e. materials and structures. He explained shuffling of unit 5 and 6. Also, he explained addition of practical in the syllabus. **Suggestions from BOS members** • No any suggestions for this course	Respective course champion		
9	Mr. Bhaskar Wabhitkar has presented skill development course i.e. MS Excel. He started his presentation with the survey from industry for identifying skill courses at SY level. Also, he has explained activities planned for this course in detail. **Suggestions from BOS Members** • Change to name of course as it looks like a generic one	Respective course champion		
10	Mr. Manish Khandare has presented skill development course RIVET. He explained how this software works and it's important. Again, details of practical has been explained **Suggestions from BOS Members** • No any changes suggested for this course	Respective course champion		
11	Mr. Khushal Kanade presented the Audit course i.e. Environmental Science which is running for all branches. Along with syllabus he has explained the practical and the pattern of practical i.e. assessment of activities planned. **Suggestions from BOS Members** • It is suggested that theory component can be added in contact hours • More activities can be added in present activities.	Respective course champion		
12	Mr. Bhaskar Wabhitkar has explained changes needed in prototyping course during COVID19 sitation. Looking to situation of online learning, instead of making bamboo structure students can make design and drawing in Auto-Cad. In addition, case studies are added on bamboo testing. **Suggestions from BOS members** • Members have given approval for the above proposal	Respective course champion		
13	Mr.Manish Khnadare has presented changes in course objective of financial management course (TY Civil) **Suggestions from BOS members** Members have suggested to revise course objectives as	Respective course champion		

	• Students should understand actual soil testing report hence same must be added in practical part.			
4	Mr. Khushal Kanade has presented environmental sciences which is Audit course for all departments and offered by civil engineering section. He discussed four module and its purpose in details. After this, he has explained activities planned for this course and how the activities carried out on online platform. Suggestion from Dr Y J Bhalerao • This kind of course must be conducted through online mode or self-learning mode. • Mr. Khushal asked to develop lecture series which students will learn through watching as this is Audit course.	Mr. Khushal Kanade		
5	Despite of all above, Dr Y J Bhalerao has suggested aiming to a good academic institute some of the courses must be conducted through online mode which will reduce burden on student as well as faculty. Moreover, he suggested that we should give autonomy to student as that of faculty.			

Prepared By	Verified By	Approved By
Autonomy Coordinator (Dr Sushilkumar Magade)	**QA Coordinator (Mr. Bhaskar Wabhitkar)**	**Dean of School (Mr. Atif Shaikh)**

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MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	09/06/2020
	TYPE OF MEETING	:	BOS

Names of Attendee:	Leave of Absence:
ABS, SRP, NCB, BDW, NVB, KSK, SBM, VKP, Dean SMCE, Dean Academics, RnD, Dean QA	

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date	Action Taken
1	The meeting has conducted for Second Year civil revised courses with Dr. Y J Bhalerao through Gotowebinar of following courses Mechanics of Solids (CV 206) Geotechnical Engineering (CV 204) Environmental Sciences (CV 203)			
2	Mr. Nilesh Bagalekar has presented his course i.e. Mechanics of Solids. He explained course content in details along with changes made in the same. The change of shuffling of Unit 5 and 6 has been explained. After that, he presented all the practical and its evaluation in detail. As per suggestions from industrial and academician he added text books in the syllabus. Suggestions for Dr Y J Bhalerao • If possible reframing of practical can be done which includes more testing and building bridge component. • 3D Mohr's circle must be added in practical component.	Mr. Nilesh Bagalekar		
3	Mr. Bhaskar Wabhitakar has presented Geotechnical engineering. He started the detailed explanation of course objectives and outcomes in detail. He also explained changes made in course content i.e. separating of two units from theory content. Moreover, he explained addition of bearing capacity as separate unit in course as this is very important to study at second year level. Later on, he described all practical in detail and work carried out in each experiment by the students. He presented activity	Mr. Bhaskar Wabhitakar		

	modern equipments. • Mr. Pravin Kolhe suggested to arrange visits to CWPRS / WALMI / rain gauge stations in order to give more exposure to the students about the real practices related to fluid mechanics.			
3	Mr. V.K.Pingle has explained the course Structural Analysis with need of changes & pedagogy adopted. **Suggestions from BOS members** • Dr. A S Garudkar & Dr. Gopal Patil raised concern regarding heavy content of the practicals • Understanding concepts is more important, so the software part from practicals can be shifted to advance analysis or structural design course.	Mr. V.K.Pingle		-
4	Mr. Dipak Chaudhary has presented content for Surveying & Geospatial Engineering. Along with all course content, activity planning for continuous assessment **Suggestions from BOS members** • Dr. A S Garudkar suggested changes in the title of Unit - VI title as 'Adjustment to errors in computations' as errors in computation are adjusted accordingly • Mr. Shivaji Patil suggested for CO5 use 'Geo-informatics tools' instead of 'modern surveying tools' also he suggested to provide 'introduction of softwares of GIS' in Unit no-V • Mr. Shivaji Patil suggested to make associate with CDAC Pune, having powerful geomatica group, and working on nation level, • Dr. Gopal Patil suggested practical applications are important as subject point of view, instead of removal of all MSE & ESE, he suggested to proceed with proper planning. • Dr, Gopal Patil suggested that MSE can be replaced with activity based continuous assessments for now. • He also added that more discussion is needed on replacing MSE with activity based continuous assessments if planning for it. • Mr. Shivaji Patil suggested making distribution of activities CA for MSE & ESE as per the time requirement to complete respective activities. • BOS suggested there is a need to give more thought process on complete removal of theory examination as proposing 100% continuous assessment. • Finally BOS members agreed upon the evaluation [illegible] 100% activity based continuous	Mr. Dipak Choudhary		-

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2020-2021
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	07/11/2020
	TYPE OF MEETING	:	BOS Civil

Names of Attendee:

DeanSMCE,ABS,SRP,NCB,BDW,NVB,SGS,MAK, DKC.SSS,KSK,SBM,VKP,
External BOS:
Mr. Pravin Kolhe
Dr. Gopal Patil
Dr. Avinash S Garudkar
Mr. Shivaji Patil

Leave of Absence:

NIL

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date	Action Taken
1	The Board of Studies (BOS) meeting has conducted for discussion & confirming semester 4 courses of B.Tech Civil Engineering (2019 pattern) through Gotowebinar forum with BOS members. The session started with welcoming of external BOS members.	Mr. Hatte Mr. Shaikh		
2.	Curriculum structure of semester 4 was presented by Mr. Atif B Shaikh. It is discussed & confirmed by all BOS members.			
2	Mr. Sachin Shinde presented the course contents of the 'Mechanics of Fluids' course. **Suggestions from BOS members are as follows:** • Prerequisites should be Engineering Mechanics instead of applied mechanics. • Dr. A S Garudkar suggested to keep the flow of contents smooth & to give thought process for title of Unit - III 'Internal Flows'. • Dr. A S Garudkar suggested changes in the title of Unit - V title as 'Open channel flow' only, no need to refer to the uniform flow separately. • BOS members emphasized that students should be able to identify the flow type which is an interesting part for students & can give in-depth knowledge of the course.	Mr. Sachin S. Shinde		

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	30/05/2020
	TYPE OF MEETING	:	BOS

Names of Attendee:	Leave of Absence:
Dean SMCE, Dean Academics, Dean RnD, ABS, SRP, NCB, BDW, NVB, SGS, MAK, DKC, SSS, KSK, SBM, RLG, VKP	

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3	Mr. Gajbhiv has presented the course content of Applied Mathematics. He has clarified the reasons for addition of vector differentiation unit in course. Also, the numerical	Respective course champion		-

	assessment.			
5	Other courses like program course, minor project etc. are discussed & confirmed by the BOS members.			
6	BOS meeting concluded with vote of thanks by Mr. Atif Shaikh			

Prepared & Verified By	Approved By
Autonomy Coordinator	Dean of School

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	• Types of stone masonry is not in syllabus • Importance should be given to Stair case and can be included in building component • Concept of green buildings should be added			
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5	Before starting core course content discussion Mr. Atif has explained the curriculum structure in detail i.e. forefront areas. In addition, he has explained linking between the all subjects in comprehensive manner. Mr. Kolhe has addressed that the name of Geospatial engineering should be Geospatial Survey as it covers three subjects in it. However, Mr. Dipak Choudhury has suggested that, He has conducted survey for this name wherein he found the name Geospatial engineering was used in many foreign countries.	Respective course champion		
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Gmail Atif Shaikh <abshaikh@civil.mitaoe.ac.in>

BOS MOM for kind approval

9 messages

Atif Shaikh <abshaikh@civil.mitaoe.ac.in> Thu, Jul 30, 2020 at 10:22 PM
To: Gopal Patil <gpatil@iitb.ac.in>, S PATIL <shivajigpatil@gmail.com>, Dr Avinash S Garudkar <as_garudkar@rediffmail.com>, Pravin Kolhe <pravinkolhe82@gmail.com>

Respected BOS member,
Hereby I am sending the minutes of the BOS meeting held on 30th May 2020, for your kind approval.
In addition, I am also attaching a consent form with this mail. Requesting you to please go through it & kindly revert back a scanned copy of filled consent form through mail.
Thank you.
--
Warms Regards from,
Atif B. Shaikh
M.Tech (Transportation Engg. & Planning)
Assistant Professor,
MIT Academy of Engineering,
Alandi, Pune.

2 attachments

MOM_BOS_30-05-20 (1).docx
60K

BOS Consent.docx
27K

SHIVAJI PATIL <shivajigpatil@gmail.com> Fri, Jul 31, 2020 at 11:01 AM
To: Atif Shaikh <abshaikh@civil.mitaoe.ac.in>

Good Morning Sir.

Please see attached consent form, duly filled and signed.

Thanking You.

With Regards!
Shivaji Patil
[Quoted text hidden]

MIT_Shivaji Patil_Consent for BoS_Aug 2018.pdf
263K

S PATIL <shivajigpatil@gmail.com> Fri, Jul 31, 2020 at 5:09 PM
To: Atif Shaikh <abshaikh@civil.mitaoe.ac.in>

Dear Sir,

I hereby give my consent to approve the MOM attached in trailing mail.

Thank you !

With Regards!
Shivaji G. Patil,
BoS Member &
Deputy Engineer, MIDC,
Pune

	well as course outcome as per blooms taxonomy action verb			

Prepared By	Verified By	Approved By
Autonomy Coordinator	**QA Coordinator**	**Dean of School**

Atif Shaikh <abshaikh@civil.mitaoe.ac.in> Sat, Sep 12, 2020 at 6:32 PM
To: Gopal Patil <gpatil@iitb.ac.in>

Thank you very much sir.
[Quoted text hidden]

On 31-Jul-2020, at 11:01 AM, SHIVAJI PATIL <shivajigpatil@gmail.com> wrote:

[Quoted text hidden]
<MIT_Shivaji Patil_Consent for BoS_Aug 2018.pdf>

Pravin Kolhe <pravinkolhe82@gmail.com> Fri, Aug 7, 2020 at 5:27 AM
Reply-To: pravinkolhe82@gmail.com
To: Atif Shaikh <abshaikh@civil.mitaoe.ac.in>
Cc: Gopal Patil <gpatil@iitb.ac.in>, S PATIL <shivajigpatil@gmail.com>, Dr Avinash S Garudkar <as_garudkar@rediffmail.com>

This is fine from my side.
Thanks
[Quoted text hidden]

Atif Shaikh <abshaikh@civil.mitaoe.ac.in> Fri, Aug 7, 2020 at 12:55 PM
To: Pravin Kolhe <pravinkolhe82@gmail.com>

Thanks for your reply sir.
[Quoted text hidden]

Gopal Patil <gpatil@iitb.ac.in> Thu, Aug 13, 2020 at 6:22 PM
To: Atif Shaikh <abshaikh@civil.mitaoe.ac.in>
Cc: S PATIL <shivajigpatil@gmail.com>, Dr Avinash S Garudkar <as_garudkar@rediffmail.com>, Pravin Kolhe <pravinkolhe82@gmail.com>

The MOM looks fine to me.

Regards
GRP
[Quoted text hidden]
--
Gopal R. Patil, PhD
Professor
Department of Civil Engineering
Indian Institute of Technology Bombay
Mumbai 400076, INDIA
Ph: +91 22 2576 7308/7301
Fax: +91 22 2576 7302
Webpage:http://www.civil.iitb.ac.in/~gpatil/

Atif Shaikh <abshaikh@civil.mitaoe.ac.in> Thu, Aug 13, 2020 at 6:30 PM
To: Gopal Patil <gpatil@iitb.ac.in>

Thank you sir.
[Quoted text hidden]

Gopal Patil <gpatil@iitb.ac.in> Fri, Sep 11, 2020 at 7:04 PM
To: Atif Shaikh <abshaikh@civil.mitaoe.ac.in>

Atif,

See the signed form attached.

best,
Gopal Patil
[Quoted text hidden]

Scan.pdf
664K

c. Project Stage-I:

i. All members accepted course as it is, no specific suggestion.

5. Additional Suggestions received from BoS Members:

1. Suggested to offer long Internship in SEM-VII also.
2. There is no restriction on pre-requisite course specification in syllabus.
3. All members agree to offer cloud as 4th Minor course.
4. Mr. Pravin Pawar is ready to help in design and development of Cloud minor track.

All BoS members were satisfied with revised curriculum structure and Syllabus and suggested minor modifications.

Dr. Manish Giri
Member Secretary BOS

Mrs. Ranjana Badre
Chairman

MAEER's MIT Academy of Engineering
School of Computer Engineering and Technology

BoS Minutes of Meeting

Date: 11-11-2020

1. The meeting was conducted through online portal (Goto Webinar)
2. The BoS Chairman welcomed all the BoS members and open up the meeting.
3. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
4. Respective course champions presented the modifications required in the course for UG and PG courses.

4.1 On Course Contents:

a. Advanced Data Structure :
   i. Mr. Anil Gupta suggested to add dynamic programming into contents.
   ii. Dr. Vahida Attar suggested to add graphs in syllabus.

b. Computer Organization and Architecture :
   i. Dr Kailas Patil appreciated the course contents and suggested to add latest processors, Pipe line concepts etc to the contents.

c. Database Management System :
   i. Mr. Pravin Pawar Suggested to add query optimization and performance tunning, CEO etc.
   ii. Dr. Vahida Attar Suggested to break course into two parts as contents are more at second year level.

4.2 Suggestions on PG Courses:

Dr. Avinash Bhute presented the M.Tech revised structure to all BoS members, followings comments were received.

a. Machine Learning :
   i. Suggested to add Robotic Process automation, Auto ML, Hiper parameter optimization and chat bots in the syllabus.
   ii. Mr. Popat Borse suggested to add UI path tool and related case studies.
   iii. Mr. Pravin Pawar suggested to add upcoming technologies in upcoming revision of the course.

b. Cloud Application Development and Management:
   i. Mr. Pravin Pawar suggested to add types of virtualization.
   ii. Mr. Anil Gupta suggested to add Docker, Container based practicals in the course.

e. Core Java:

i. Dr. Kailas Patil suggested to add Mini project at the end of course for better exposure

ii. Suggested to reframe course outcome 4 from syllabus (Web application instead of Applets.)

Action Taken: Incorporated the suggested contents in the syllabus and reframed the course outcome.

f. Digital Prototype:

i. Dr. Ghumbre appreciated the inclusion of Digital Prototype in curriculum.

ii. Syllabus need to reworded to finalize the scope.

Action Taken: All suggestions will be incorporated in next revision.

g. Engineering Informatics:

i. Suggested to avoid multiple course inclusion in the single course.

ii. As different domains are included, the course is heavy at second year level.

iii. Syllabus need to reworded to finalize the scope.

Action Taken: All suggestions will be incorporated in next revision.

4.2 Suggestins on PG Courses:

Dr. Avinash Bhute presented the M.Tech revised structure to all BoS members, followings comments were received.

a. Modern Technology:

i. Suggested to add DevOps in syllabus.

ii. OCI, INtegreted parts must be the part of syllabus.

iii. Kuber Net management should be included in the syllabus.

Action Taken: Suggested contents are added into syllabus.

b. Advanced Data Structure:

i. Suggested to link introduction part with prerequisite Data Structure Course.

ii. Should have review for higher level.

iii. Suggested to include optimization algorithms.

Action Taken: Suggested contents are added into syllabus

c. IOT Techniques and Application:

i. All members accepted course as it is, no suggestions are commented.

MAEER's MIT Academy of Engineering

School of Computer Engineering and Technology

Action taken report

Date: 29-05-2020

1. The meeting was conducted through online portal (Goto Webinar)
2. The BoS Chairman welcomed all the BoS members and open up the meeting.
3. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
4. Respective course champions presented the modifications required in the course for UG and PG courses.

4.1 On Course Contents:

a. Data Structure and Data Structure Lab:

i. Suggested to reframe 4th Course outcome from syllabus.

Action Taken: Reframed the Course Outcome.

b. Discrete Structure and Graph Theory :

i. Few concepts related to trees are suggested to add in DSGT course.

ii. Expected more time should be given to this course.

Action Taken: Incorporated the suggestions and contents in the syllabus.

c. Computer Graphics and Gaming:

i. Suggested to use open source tools for lab sessions such as Open GL, 3D blender etc..

ii. Suggested to remove prerequisite AS204 Applied Mathematics, as both courses are offered in same semester.

Action Taken: Incorporated the suggested contents in the syllabus.

d. CPP:

i. Suggested to reframe Course outcome 6 from syllabus.

ii. Error handling and Exception handling should be the part of course.

iii. Dr. Ghumbre suggested adding Project/Application/Concept based learning approach in this course.

Action Taken: Incorporated the suggested contents in the syllabus and reframed the course outcome.

MIT Academy of Engineering (An Autonomous Institute)	School of Electrical Engg. *Advancing Humanity through Technology*
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ACTION TAKEN REPORT

Board of Studies Meeting (BoS) – APRIL 22, 2021

TERM – I [2021 – 22]

DAY	Thursday	DATE	April 22, 2021
TIME	3.00 PM	VENUE	Googlemeet

Sl. No.	BoS Suggestions	Action Taken
1	Formation of project group should be heterogeneous and maintain the homogeneity for the completion of project. It should not be based on academic performance of the students, suggested by Dr. S.N. Merchant.	Care has been taken while forming project group
2	Entire project should be divided into sub systems and concentrate on the unique portion and finally integrated to a project so that meaningful work can be done, suggested by Dr. K.P. Ray.	Execution of project is done as per the suggestion given
3	Robot dynamics is important in fundamental of robotics. In Unit VI, instead of balancing, add introduction to robot dynamics and robotics programming, suggested by Dr. Sanjay Talole.	Certain modification done as per the suggestion

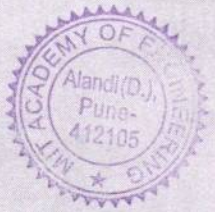
5. **Additional Suggestions received from BoS Members:**

1. Different examination pattern or assessment pattern to be explored.
2. Programming courses should focus on practical oriented approaches.

All BoS members were satisfied with revised curriculum structure and Syllabus and suggested minor modifications.

Dr. Manish Giri
Member Secretary BOS

Mrs. Ranjana Badre
Chairman



MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING (MOM)	
Alandi (D), Pune – 412105	Academic Year	2020-21
SCHOOL OF ELECTRICAL ENGG	Term	I

Date:	10 November 2020
Type of Meeting:	**BoS meeting**

Agenda of Meeting:

1. Welcome address
2. Discussion on action taken report of previous BoS
3. Discussion on proposed curriculum structure 2019-23 pattern
4. Discussion on SY BTECH (E&TC, ETX), Sem IV, course syllabi of 2019-23 pattern for TY and BTECH
5. Open discussion and suggestions
6. Vote of thanks

Minutes of Meeting:

Sr. No.	Particulars	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board. He introduced newly joined BoS members.		
2	The chairman express gratitude to all the existing BoS members for guiding us over the previous two years.		
3	The Chairman briefed about the agenda for the current meeting		
4	PRR briefed about the proposed curriculum structure 2019-23 pattern		

4	Rather than going deep into the different kinds of congestion control in computer network course, you can cover reordering of packets, error control, slow start and fast start, suggested by Dr. Dr. R. Venkateswaran.	Implemented the course as per the suggestions given

Dr. Prachi R Rajarapollu
Autonomy Coordinator

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

Dr. Debashis Adhikari
Dean (SEE)

9	Basic concept of transmission line should be added in the Electromagnetic theory and applications course.	Course champions and members	Academic Year 2020-21
10	Difference in low frequency and high frequency network theory should be added in Electromagnetic theory and applications course		
11	Text books mentioned for Electromagnetic theory and applications course should be widely available.		
12	Application word can be avoided in the title of Electromagnetic theory and applications course, suggested by Dr. S.N. Merchant		
13	Some exposure of microprocessor should be given before the overview of microcontroller in the Microcontroller and interfacing course suggested by Dr. S.N. Merchant, Dr. R. Venkateswaran, Dr. K P Ray and Dr. Sanjay Talole		
14	Arduino should be included in practical of the Microcontroller and interfacing course.		
15	It is very difficult to complete the Random variable and stochastic processes course in 16 hrs. suggested by all BoS members.		
16	BoS members insisted to include Random variable and stochastic processes course for minimum 3 credits, as per the discussion it is not possible to justify the course in 1 credit as per the current structure.		
17	State space method should be incorporate in the Network Analysis techniques course.		
18	Reference books by N Balabanian should be added for Network Analysis techniques course.		
19	PRR proposed vote of thanks.		

Prepared by	Approved by
Dr. Prachi R. R.	
Autonomy Coordinator	Dean, SEE

5	ATR of Previous BoS has discussed, Institute level discussion is going on related to the credits for department elective and open elective should be more as compared to Natural sciences, Engineering science, Humanities and social sciences. Computer Networks course is swapped with Principles of Communication Systems for better linking of courses. Institute level discussion is going on related to course objective should be written in a philosophical paragraph and course outcomes should be point form as it is measurable. Course dependent chart can be prepared for better representation of course linking instead of prerequisite is under discussion at institute level. All BoS members have suggested many courses for department electives like, System Programming & Operating System, Statistical Signal Processing, Data Structures, Industrial N/W, EMI/EMC, SKADA Systems etc. are included as departmental elective in 2019-23 pattern. Revision of examination scheme of MTECH (Electronics) 2020-21 pattern is under process.		
6	The forum was then opened for discussion.		
7	Mr. Ashish Srivastava presented the course Electromagnetic theory and applications, Mr. Amit Nagarale presented the course Microcontroller and interfacing		
8	Dr. Debashis Adhikari presented the course Random variable and stochastic processes, Mr. Prashant Aher presented the course Network Analysis techniques and Dr. Dipti Sakhare presented the course Circuit simulation tools and techniques.		

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ACTION TAKEN REPORT
BTECH (SEE) BoS – NOV 10, 2020

TERM – I [2020 – 21]

DAY	Thursday	DATE	Nov 10, 2020
TIME	3.00 PM	VENUE	Gotowebinar

Sl. No.	BoS Suggestions	Action Taken
1	Electromagnetic theory and application course should be in linking with Microwave theory course.	Contents has been linked with said course
2	Text books and reference books given in syllabus copy must be widely available	Revisited and modified text book and reference books
3	Electromagnetic Theory and Applications – course name can be revisited, title can be generic rather than specifically mentioned word application	Revised the name of course
4	In Microcontroller and interfacing course - Introduction to microprocessor is must to understand gradual transition from microprocessor to microcontroller.	Revised the contents as per the suggestion given

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AGENDA

BTECH (SEE) BoS MEET

TERM – II [2020-21]

DAY	Tuesday	DATE	Nov 10, 2020
TIME	3.00 PM	VENUE	Online - Gotowebinar

Sl. No.	Activity Planned	Scheduled Time
1	Welcome Address	03.00 pm to 03.15 pm
2	Overview of School of Electrical Department, discussion on action taken report of previous BOS	03.15 pm to 03.45 pm
3	Discussion on proposed curriculum structure 2019-23 pattern	03.45 pm to 04.15 pm
4	Discussion on SY BTECH (E&TC,ETX), Sem. IV, course syllabi of 2019-23 pattern for TY and BTECH	04.15 pm to 04.45 pm
5	Open Discussions and suggestions	04.45 pm to 04.55 pm
6	Vote of Thanks	04.55 pm

ACADEMY OF ENGG. Alandi(D.) Pune 412

Dr. Prachi Rajarapollu
Autonomy Coordinator

MIT Academy of Engineering (An Autonomous Institute)	School of Electrical Engg. *Advancing Humanity through Technology*
Alandi (D), Pune – 412105	(Accredited by NBA, ISO 9001:2008 Certified)

REPORT

Activity : Board of studies meeting [Term-I]

Details : Curriculum framework discussion for 2019-23 pattern & SY (Sem – IV), TY(Sem VI) & BTECH (Sem – VIII) course review

Trigger Point : Overview and discussion for proposed pattern for 2019-23 and new courses offered for semester IV

Date : November 10, 2020

Venue : Gotowebinar

Level of the Event : Department (E&TC/ETX)

Coordinator : **Dr Prachi R Rajarapollu**

Attendees : SY, TY & BTECH (SEE) Faculty members

No. of Participants : 45

BoS chairman and representatives	09
BoS members	48
Total No. of Participants / Faculty members	**57**

Resource Faculty : **Dr Sanjay Talole,** Representative – Research, Sc. 'G', R&DE Engineers (DRDO) (Research)
Dr S N Merchant, Academician, Dept. of EE, IIT Bombay
Dr K P Ray, Dean (Sponsored Research) & HoD (Electronics Engg. Dept. & CSIT Dept.) DIAT

5	Random Variables and Stochastic Processes – Course is difficult to cover up in 16 hrs, credits assigned are not enough to justify the course, contents are very good but time, credits assigned is not sufficient.	Implemented all the suggestions given
6	Random Variables and Stochastic Processes – Course can be shifted to third year rather than second year	Course has been shifted to third year

Dr. Prachi R Rajarapollu
Autonomy Coordinator

ACADEMY OF ENGINEERING Alandi(D.) Pune-412105

Dr. Debashis Adhikari
Dean (SEE)

Other Remarks :

- Framework for 2019-23 pattern is well appreciated by the guest
- BoS representatives more emphasized on designing curriculum useful for product development entrepreneurship and skill development
- Placement, entrepreneurship development is one of the important parameter for school/ institute.
- As per the discussion in meeting, it is desirable to have more credits allocated to discipline core courses.
- Valuable inputs are given by BoS member on course name, course contents and course linking with other department courses.
- Complete minutes of meeting has been attached with this report.

Dr Prachi R Rajarapollu
Autonomy coordinator

Dr Debashish Adhikari
Dean School of Electrical Engineering

Dr Preeti Rege, University Representative, HoD E&TC, COE Pune

Dr R Venkateswaran, Industry representative, Sr VP, IoT Solutions, Persistent, Pune

Mr. Ravi Maknikar, Representative - Professional Society – ISA, Zenith Technologies

Mr. Amol Dere, Representative – Industry – Alumni, Manager, Automotive Research Association of India (ARAI), Pune

Dr Sunita Barve, Dean Academics, MIT AOE Pune

Prof Sunil Bhagat, Dean QA, MIT AOE Pune

Objectives :

- To develop world-class curriculum for the students for 2019-23 pattern
- To validate the course content of SY, TY and BTECH
- To scrutinize the SY, TY & BTECH (SEE) Curriculum design
- To design the course content useful for placement, entrepreneurship and skill development

Outcomes :

- Analyze and appreciated the structure of curriculum designed.
- Modification in some of course content had been discussed.
- Suggested the swapping of some courses to form better linking of courses.
- Directed to change the credits for some courses to justify it correctly
- Elaborated the various parameters related to curriculum design.

Dr Debashish Adhikari, Dean (SEE) welcomed the BoS representatives and members. Motivation for revision in courses and linking of courses for all four year has been explained by dean (SEE). New revised pattern of curriculum 2019-23 has been presented by Dr. Prachi Rajarapollu. The experts analyzed the same and proper justification was given by the Dean and course champions.

4	PRR briefed about the proposed curriculum structure 2019-23 pattern and ATR of previous BoS.		
5	The forum was then opened for discussion.		
6	Dr. Rushikesh Borse presented the three term project planning starting from Sem V to Sem VII.		
7	Prof. Shridhar Khandekar presented the course Fundamentals of Robotics from the track Robotics and Automation. Prof. Sandeep Nagre presented the course IoT Architecture and sensors. Dr. Prachi Rajarapollu presented the course Computer Network.		
8	To continue with a single project with the group of students, you have to identify a rigorous paper and assign to the students instead of assigning separate paper to individual student, suggested by Dr. Sanjay Talole.	Course champions and members	Academic Year 2021-22
9	Formation of project group should be heterogeneous and maintain the homogeneity for the completion of project. It should not be based on academic performance of the students, suggested by Dr. S.N. Merchant.		
10	There should be gradual increment of marks for project work, suggested by Dr. S.N. Merchant.		
11	Entire project should be divided into sub systems and concentrate on the unique portion and finally integrated to a project so that meaningful work can be done, suggested by Dr. K.P. Ray.		
12	For report writing, you can initiate a process & try to develop the interest of the students in them and give them enough freedom as well, suggested by Dr. S.N. Merchant and Dr. K.P. Ray.		
13	Robot dynamics is important in fundamental of robotics. In Unit VI, instead of balancing, add introduction to robot dynamics and robotics programming, suggested by Dr. Sanjay Talole.		
14	Major players in robotics, applications of robotics should be added, suggested by Mr. Maknikar.		
15	Rather than going deep into the different kinds of		

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING (MOM)	
Alandi (D), Pune – 412105	Academic Year	2020-21
SCHOOL OF ELECTRICAL ENGG	Term	II

Date:	22 April 2021
Type of Meeting:	**BoS meeting**

Agenda of Meeting:

1. Welcome address
2. Discussion on action taken report of previous BoS
3. Discussion on proposed curriculum structure 2019-23 pattern for E&TC and Electronics (Sem. V to Sem. VIII)
4. Discussion on proposed syllabus of Semester V
5. Discussion on proposed amendments on TY-BTECH project from Semester V to VII.
6. Open discussion and suggestions
7. Vote of thanks

Minutes of Meeting:

Sr. No.	Particulars	Responsibility	Target Date
1	The Chairman welcomed all the members of the Board.		
2	The chairman express gratitude to all the BoS members for guiding us over the previous two years.		
3	The Chairman briefed about the agenda for the current meeting		

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
	DATE	:	26/05/2020
SCHOOL OF MECHANICAL & CIVIL ENGG.	TYPE OF MEETING	:	BOS

Names of Attendee:	BOS MEMBERS:
PRH, Dr. M.D. Goudar, Dr. S. S. Barve, AMM, AGK PSK KM NBT MMC DBP VND ASC AMK PPK BRP AJA AKC MPJ SPD MWB MMS VAB ABB VPK SGM YLM RKP SBP RKS NSR KMD MRP SPK	Dr. S. N. Sapali (COEP, Pune), Dr. Kannan Iyer (IIT Bombay), Dr. Roshini Easow (SPCE), Mr. Nilesh Birajdar (Industry representative), Mr. Swapnil Nehere (Alumni representative)

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	Mechanical Engineering department conducted BOS meeting through go to webinar forum.	--	--
02	BOS Chairman Prof. P. R. Hatte welcomed all the BOS members and faculty members and explained the agenda of the meeting.	--	--
03	BOS chairman explained the structure and curriculum of SY BTECH 2019 pattern in detailed.	--	--
04	Mr. S. G. Gajbhiv presented Applied Mathematics course curriculum in detail: • Dr. Kannan Iyer suggested to add Crank Nicolson method or can add Theta method; according to him other contents are good. • Mr. Nilesh Birajdar suggested to introduce python for solving numerical methods.	SGG	--
05	Mr. R. K. Patil presented Minor Project course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to allot guides for minor projects before the project selection. He further asked to use MS Project for students. • Dr. Kannan Iyer suggested to follow the proper coordinated structure for effective implementation of the course. He further suggested to add scope of project and use plagiarism software for accuracy of content. • Dr. A.M. Malge briefed in detail the nature, scope and applicability Minor project course on a next level and the	RKP	--

	congestion control in computer network course, you can cover reordering of packets, error control, slow start and fast start, suggested by Dr. Dr. R. Venkateswaran.		
16	Discussion on PO, PEO and PSO is carried out.		
17	PRR proposed vote of thanks.		

Prepared by	Approved by
Autonomy Coordinator	**Dean, SEE**

	practical. He further suggested to increase contact hours due to trimester pattern.		
12	Dr. S. S. Barve, Dean Academics, thanked all the BOS members and assured about the consideration of their suggestions, instructions in our SYBTech 2019 pattern curriculum.	--	--
13	Dr. M. D. Goudar, Director , MITAOE thanked all BOS members and their contribution in the BOS meeting	--	--
14	BOS chairman concluded the meeting by giving thanks to all BOS members and appreciated the efforts taken by our faculty members for lecture delivery during the lockdown.	--	--

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	Dean of School

	assessment process of Minor Project.		
06	Mr. V. P. Kulkarni presented Industrial Measurement course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to add crack test which is very useful for students and he assured to arrange industrial visits for our students. • Dr. Kannan Iyer suggested to include part of pressure measurement, vibration measurement etc. • Members appreciated introducing the course in structure.	VPK	--
07	Mr. M. P. Joshi presented Thermal Engineering course curriculum in detail: • Mr. Swapnil Nehere (Alumni representative) suggested to add battery systems, CNG engines and calculation. • Dr. Kannan Iyer suggested to change the position of unit 4 to unit 2 or 3. He suggested to cover steam part before Rankine Cycle. • Dr. Roshani Easow commented that the content is too vast to cover in less time.	MPJ	--
08	Mr. A. M. Kolhe presented Metal Forming Process course curriculum in detail: • Mr. Nilesh Birajdar appreciated the course curriculum and suggested to give some industry projects based on joining process in car body etc. • Mr. Swapnil Nehere (Alumni representative) suggested to add wire cutting and jet cutting	AMK	--
09	Mr. M.W. Bhalwankar presented Materials Engineering course curriculum in detail: • Dr. Kannan Iyer commented that overall the syllabus is ok. • Dr. Roshani Easow discussed about hands on practice for students and engagement of all students during practical hours. • Mr. Swapnil Nehere (Alumni representative) suggested to add rubber testing and application of rubber.	MWB	--
10	Mr. V. P. Kulkarni represented Strength of Materials course curriculum in detailed: • All appreciated the syllabus.	VPK	--
11	Dr. A. G. Kamble presented M.Tech (Heat power) structure and curriculum in detail: • Dr. Roshani Esaow asked about faculty availability to teach all electives and also suggested to remove lecture hours for technical writing and convert it into practical hours. • Dr. Kannan Iyer suggested to assign 1 hrs for lecture and 3 hrs for	AGK	--

	• Mr Pravin Kolhe suggested adding the MWRRA guideline to estimate water demand quantity. • Mr. Pravin Kolhe suggested adding the practicals for water audits and Planning of water supply line systems for small towns using appropriate softwares. Further, he suggested adding 'Maintenance of distribution system'. • Mr. Shivaji Patil suggested adding the latest technology for avoiding water losses.			2. MWRRA guidelines added in syllabus. 3.Practicals will be reframed and added to the syllabus.
4	Mr. Dipak Chaudhary has presented content for Construction Project Management. **Suggestions from BOS members** • Mr Gopal Patil suggested to add terms PERT & CPM in Network Analysis concept • Also he gives suggestions to change secondary weblinks on case studies links provided in syllabus • Mr. Pravin Kolhe suggested adding content (Introduction only) site management, general layout, PMP Certification, PMBOK in Unit-I. • Mr. Pravin Kolhe suggested to name Unit-IV as Advance Techniques in Construction Management • Dr. A S Garudkar commented on the COs and CEOs, and suggested changing the word Explain in course outcome.	Mr. Dipak Choudhary	Immediate	1) Added terms PERT & CPM as suggested 2) make changes regarding web links for case studies. 3) added content introduction construction site layout,in Unit-I 4) Unit-IV named as Advance Techniques in Construction Management 5)make changes in CO accordingly
5	Mr. Nilesh Baglekar has presented a course content of 'Design of Steel structure' **Suggestions from BOS members:** • Dr. Pravin Kolhe suggested the design of canal gates, flood gates and design and layout of MS pipe for water distribution. • Dr. A S Garudkar appreciated the COs and CEOs, and suggested to change the word understanding in course outcome.	Mr. Nilesh Baglekar	Immediate	1) With permission of Kolhe Sir it is decided that It will be added to advanced design of structures as it cannot be added here to avoid bulkiness of the syllabus. 2) The CEO has changed.
6	Mr. Nilesh Baglekar has presented a course content of skill course 'ETABS' **Suggestions from BOS members:** • Dr. S. Patil suggested to include the introduction to all analysis and design softwares in the first unit.	Mr. Nilesh Baglekar	Immediate	Introduction to all analysis and design softwares in the first unit is included.
7	Mr. Atif- Shaikh proposed three new tracks as Open Elective from Civil section namely, Smart Infrastructural Development, Environmental Engineering & Monitoring	-	-	-

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2020-2021
	DATE	:	01/05/2021
SCHOOL OF MECHANICAL & CIVIL ENGG.	TYPE OF MEETING	:	BOS Civil

Names of Attendee:

Dean SMCE, ABS, SRP, NCB, BDW, NVB, SGS, MAK, DKC, SSS, KSK, Dr. SBM, YBA, VKP, Dr. Shyam Shukla & Dr. Vijay Muthekar
External BOS:
Mr. Pravin Kolhe
Dr. Gopal Patil
Dr. Avinash S Garudkar
Mr. Shivaji Patil

Leave of Absence:

NIL

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date	Action Taken
1	The Board of Studies (BOS) meeting has conducted for discussion & confirming semester 5 courses of B.Tech Civil Engineering (2019 pattern) through google meet with BOS members. The session started with welcoming of external BOS members and all participants.			-
2.	Curriculum structure of semester 5 was presented by Mr. Atif B Shaikh. It is discussed & confirmed by all BOS members.			
2	Mr. Sitaram Suryawanshi presented the course contents of the 'Concrete Technology' course. **Suggestions from BOS members are as follows:** • Mr Pravin Kolhe suggested to add canal lining repair • Mr Pravin Kolhe suggested adding site visits to crushers with the SCADA system. He also suggested adding 'Curing compounds', 'Artificial Sand'. • Dr. A S Garudkar suggested to add concrete flooring	Mr. Sitaram Suryawanshi	Immediate	1.Canal lini repairs alrea come under t repairs. 2.Site component expanded. 3.Trimix already exist syllabus
	Mr. Khushal Kanade has explained the course 'Drinking water & Sanitary Engineering'	Mr. Khushal	..	1. Content for wastewater

Format No.: MITAOE/ACAD/HOD/23 Rev.No.: 01 Rev.Date: 01/06/2018

MIT Academy of Engineering (An Autonomous Institute Affiliated to SPPU) Alandi (D), Pune - 412 105	ACTION TAKEN REPORT FOR MINUTES OF MEETING		
SCHOOL OF MECHANICAL & CIVIL ENGG	ACADEMIC YEAR	:	2020-2021
DEPARTMENT OF CIVIL ENGINEERING	MEETING DATE	:	01/05/2021
	MEETING TYPE	:	BoS Civil

Sr. No.	Minutes of Meeting and Action Taken
1.	The Board of Studies (BOS) meeting has conducted for discussion & confirming semester 5 courses of B.Tech Civil Engineering (2019 pattern) through google meet with BOS members. The session started with welcoming of external BOS members and all participants.
2.	Mr. Sitaram Suryawanshi presented the course contents of the 'Concrete Technology' course. **Suggestions from BOS members are as follows:** • Mr Pravin Kolhe suggested to add canal lining repair • Mr Pravin Kolhe suggested adding site visits to crushers with the SCADA system. He also suggested adding 'Curing compounds', 'Artificial Sand'. • Dr. A S Garudkar suggested to add concrete flooring **Action Taken (By Mr. Sitaram Suryawanshi)** 1. Canal lining repairs already come under thin repairs. 2. Site visit component expanded. 3. Trimix floor already exist in syllabus
3.	Mr. Khushal Kanade has explained the course 'Drinking water & Sanitary Engineering' **Suggestions from BOS members:** • Dr. A S Garudkar suggested adding content for Holistic waste water management & reuse of water. • Mr Pravin Kolhe suggested adding the MWRRA guideline to estimate water demand quantity. • Mr. Pravin Kolhe suggested adding the practicals for water audits and Planning of water supply line systems for small towns using appropriate softwares. Further, he suggested adding 'Maintenance of distribution system'. • Mr. Shivaji Patil suggested adding the latest technology for avoiding water losses. **Action Taken (By Mr.Khushal Kanade)** 1. Content for wastewater management & reuse will be added to the syllabus. 2. MWRRA guidelines added in syllabus. 3. Practical will be reframed and added to the syllabus.

8	Content of Sem-V course of Environmental Engineering track i.e. 'Solid Waste Management' will be shared through email with all BOS members for approval.			
6	BOS meeting concluded with vote of thanks by Mr. Atif Shaikh			

Prepared & Verified By	Approved By
Autonomy Coordinator	**Dean of School**

DEAN
School of Mechanical & Civil Engineering
MIT Academy of Engineering
Alandi (D.), Pune-412 105.

MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2020-2021
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	27/10/2021
	TYPE OF MEETING	:	BOS Civil

Names of Attendee:	Leave of Absence:
Dean SMCE, SNS, ABS, NVB, SGS, MAK, SSS, SBM, VKP, VVM, BDW, SRP, YBA, & RLG External BOS: Mr. Pravin Kolhe Dr. Gopal Patil Dr. Avinash S Garudkar Mr. Shivaji Patil	NCB, DKC, KSK

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date	Action Taken
1	The Board of Studies (BOS) meeting was conducted for discussion & confirming semester VI courses of TY Civil Engineering (2019-2023 cycle) through google meet with BOS members. The session started with welcoming of external BOS members and all participants.			
2	Minutes of the previous BOS meeting was confirmed. Curriculum structure of semester VI (2019-2023 cycle) was presented by Dr. Vijay V. Muthekar. It was discussed & confirmed by all BOS members.			
3	Mr. Atif Shaikh presented the course contents of the 'Transportation Engineering' course. **Suggestions from BOS members are as follows:** • Dr. Gopal Patil suggested to put more focus on Transportation Planning process in Unit 1 • He has also suggested modification in course outcomes • Dr. Shivaji Patil has suggested to add basic introduction for Road Furniture & arboriculture • He has also suggested to arrange site visit to observe roadside elements without restricting it to only arterial road • Mr. Pravin Kolhe sir suggested to add small introduction to different modes of transports	Mr. Atif Shaikh	30th Nov. 2021	

Sr. No.	Minutes of Meeting and Action Taken
4.	Mr. Dipak Chaudhary has presented content for Construction Project Management. **Suggestions from BOS members** • Mr Gopal Patil suggested to add terms PERT & CPM in Network Analysis concept • Also he gives suggestions to change secondary weblinks on case studies links provided in syllabus • Mr. Pravin Kolhe suggested adding content (Introduction only) site management, general layout, PMP Certification, PMBOK in Unit-I. • Mr. Pravin Kolhe suggested to name Unit-IV as Advance Techniques in Construction Management • Dr. A S Garudkar commented on the COs and CEOs, and suggested changing the word Explain in course outcome. **Action Taken (By Mr. Dipak Choudhary)** 1. Added terms PERT & CPM as suggested 2. Make changes regarding web links for case studies. 3. Added content introduction construction site layout, in Unit-I 4. Unit-IV named as Advance Techniques in Construction Management 5. Make changes in CO accordingly
5.	Mr. Nilesh Baglekar has presented a course content of 'Design of Steel structure' **Suggestions from BOS members:** • Dr. Pravin Kolhe suggested the design of canal gates, flood gates and design and layout of MS pipe for water distribution. • Dr. A S Garudkar appreciated the COs and CEOs, and suggested to change the word understanding in course outcome. **Action Taken (By Mr. Nilesh Baglekar)** 1. With permission of Kolhe Sir it is decided that It will be added to advanced design of structures as it cannot be added here to avoid bulkiness of the syllabus. 2. The CEO has changed.
6.	Mr. Nilesh Baglekar has presented a course content of skill course 'ETABS' **Suggestions from BOS members:** • Dr. S. Patil suggested to include the introduction to analysis and design through popular softwares in the first unit. **Action Taken (By Mr. Nilesh Baglekar)** Introduction to analysis and design through popular softwares in the first unit is included.

Prepared By	Verified By	Approved By
Department Assistant	Member Secretary	BoS Chairman

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	tools as part of system engineering at the end of a syllabus. • Reframe the flow of the syllabus. It should be smooth and continuous. • Add Self Study on aquifer mapping and management in Groundwater Hydrology. • Specify which hydrological models are covered in the syllabus.			
9	Mr. Sachin Shinde presented the course contents of the 'Unit Operations for Liquid Waste/Effluent Treatment' course on behalf of Mr. Khushal Kanade. **Suggestions from BOS members are as follows:** • Revise Outcome 1 as: Identify and solve complex engineering problems related to industrial effluent • Add content of HRTS & Phytoremediation method for industrial effluent treatment in unit -6.	Mr. Khushal Kanade	30th Nov. 2021	
10	Dr. Vijay V. Muthekar proposed to conduct all skill development courses (OpenRoad Designer and WATERGEMS) to conduct online. All BOS Members opined for conducting the mentioned courses online keeping in consideration of available licenses for respective software.			
11	Content of Sem-VI course of Skill Development Course track i.e., 'Drone Surveying' will be shared through email with all BOS members for approval.			
12	BOS meeting concluded with vote of thanks by Dr. Shyam N. Shukla.			

Prepared & Verified By	Approved By
V.V. Muthekar	SN Shukla
Autonomy Coordinator	**Dean (Civil Engg Section)**

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4	Mr. Atif Shaikh presented the course contents of the 'SDP – OpenRoad Designer' course. **Suggestions from BOS members are as follows:** • Dr. Gopal Patil sir raised queries related to software license availability. It was clarified that Institute had a license for entire package including OpenRoad Designer software.	Mr. Atif Shaikh	30th Nov. 2021	
5	Dr. S. B. Magade presented the course contents of the 'Design of RC Structures' course. **Suggestions from BOS members are as follows:** • The sequence should be maintained properly • In each unit Working stress method must be added • Introduction to prestressing must be added somewhere • Appropriate wording in COs and CEOs should be maintained.	Dr. S. B. Magade	30th Nov. 2021	
6	Mr. Sachin Shinde presented the course contents of the 'SDP – WATERGEMS' course. **Suggestions from BOS members are as follows:** • Use the term 'Hydraulics' instead of 'Fluid Flow'. • Add the 'water losses' topic to course contents. • Add the topic 'need of optimization of water supply models.'	Mr. Sachin Shinde	30th Nov. 2021	
7	Mr. Manish Khandare presented the course contents of the 'Operation Research Techniques in Civil Engineering' course. **Suggestions from BOS members are as follows:** • Maximization of Profit and minimization of cost (Profit and cost should be removed and make it generalized) • Remove the path word in transportation problem. • Use the word "analysing the queuing system" instead of optimizing queuing system. • Revise Outcome 1 as - Understand different optimization tools • Revise Outcome 2 as - Apply linear programming to transportation problem • Change name of unit 1-Introduction to Optimization Tools for Engineering. Add different optimization techniques in unit 1. Also add simulation. • Include in Unit 3- Transportation & Assignment Problem • Change in course title as - Operations Research Techniques in Civil Engineering.	Mr. Manish Khandare	30th Nov. 2021	
8	Mr. Nikhil Bhalerao presented the course contents of the 'Water Resources System Engineering' course. **Suggestions from BOS members are as follows:** • Keeping fundamental concepts separate add soft computing	Mr. Nikhil Bhalerao	30th Nov. 2021	

2	Dean Sir discussed previous minutes of meeting, action taken over them and agenda of present meeting to all BoS member.	-	-
3	Dean Sir presented the curriculum structure of 6th semester.	-	-
4	Then Dean Sir, requested to T Y B Tech course champions to present their courses in front of BoS members.	Course Champions	09/11/2021
5	The following faculty presented their courses Sr No / Course Code / Course / Presented by 1 / CH-361 / Process Dynamics Control & Instrumentation / Mr V D Pakhale 2 / CH-362 / Chemical Equipment Design /Process Equipment Design / Mrs A Gode 3 / CH-363 / Chemical Process Technology / Mr S S Gandhi 4 / CH-371 / Process Modeling & Simulation / Dr P N Sutar 5 / CH-372 / Energy Analysis & Modeling / Mrs S S Shende 6 / CH- 364 / Aspen one Skill Development Lab / Mr V D Pakhale	Course Champions	09/11/2021
6	The following course wise suggestions were given during the discussion.		

Sr No	Course Code	Course	Suggestions
1	CH-361	Process Dynamic Control & Instrumentation	• Prof Ravi Gudi Sir suggested that, arrange Unit 4 after unit 1 • Prof Ravi Gudi Sir suggested that, modeling can be combined together & then stability analysis & design. • Prof Ravi Gudi Sir also suggested that, stability & design go together. • For lab course Prof Ravi Gudi Sir suggested that, include Dynamic simulation & control system. • Also suggested that include Cascade control systems. • Prof Ravi Gudi Sir suggested that, in practical examination focus on control system design & control

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MIT Academy of Engineering (An Autonomous Institute)	MINUTES OF MEETING (MOM)	
Alandi (D), Pune – 412105	Academic Year	2021-22
SCHOOL OFCHEMICAL ENGINEERING	Term	I

Date:	09/11/2021
Type of Meeting:	BOS

Agenda of Meeting: The agenda for the meeting is as follows.

1. Minutes of meeting for the previous BoS and Action taken report.
2. Discussion on the Courses of 6th Semester for the AY 2021 - 22 regulation 2019 - 23.
3. Suggestions for the upcoming semester courses.
4. Discussions on the assessment and evaluation of the current semester.
5. Summer internship and semester long internship discussion.
6. Option to introduce courses on recent technologies like Artificial Intelligence
7. Any other points.

Minutes of the Meeting: The meeting of the Board of studies for the School of Chemical Engineering was scheduled on 9th Nov 2021, from 10.00 am on online mode on msteams platform. Following points were discussed during the meeting:

Sr. No.	Minutes	Responsibility	Target Date
1	All the external members of BoS were given a warm welcome by the Dean school.	-	-

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				on 'Process Flowsheeting. This book can be added as a text book.' • Optimization can be covered in detail in another course. • The significance of numerical methods in solving complex engineering problems should be highlighted. • This course is a tail end course for chemical engineering students and should not be offered in the open elective basket.	
	5	CH-372	Energy Analysis & Modeling	• Dr Srinivas Sir suggested that; include exergy analysis part in the curriculum. • Dr Srinivas Sir suggested that, remove coding part from the curriculum & avoids the overlapping.	
	6	CH-364	Aspen one Skill Lab	• Dr Srinivas Sir suggested that, check the overlapping of practical's with previous courses. • Prof Gudi Sir suggested that, Practical on Liquefaction of LNG (Liquefied Natural gas) to be added. • Also Prof Gudi Sir suggested that; include some case studies related to Unisim software.	
7	After the course presentations, Dean sir discussed the assessment & evaluation pattern in ongoing situation.			-	-
8	Discussion on physical attendance of students. Dr Srinivas sir suggested that, in ongoing semester teaching learning & exams keep it on same mode.			-	-
9	Dr Bhagwat Sir suggested that, focus on practical physically & continues with online classes.			-	-
10	Dr Bhagwat Sir suggested that, give highest priority to 7th semester students for their practical's because in pandemic situation they have got very less exposure towards the hands on practical sessions.			-	-
11	After the above points there was discussion on department electives option to introduce courses on recent technologies like Artificial Intelligence IOT etc.			-	-
12	Bhagwat Sir & Srinivas sir suggested that, teacher's training has to be there for AI & IOT courses.			-	-
13	Discussion on summer internship & semester long internship (SLIP) for students.			-	-

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			system model creation. • Dr Srinivas Sir suggested that, focus on case studies in ASPEN w.r.t. process control. • Dr Srinivas Sir suggested that, don't focus on software but major focus should be on control systems. • Dr Srinivas Sir suggested that, there should be modification in title of practical No 4.
	2	CH-362	Chemical Equipment Design /Process Equipment Design	• Dr Srinivas Sir raised the question, are process design component get over before the chemical equipment design? • Dr Srinivas Sir also raised the question, in mechanical design how does ASPEN fit over them? He suggested that, there should be one part drawing of equipment & one practical session should be on drawing. • Dr Srinivas Sir asked about practical number 6 & 7 hoe does it fit into ASPEN? • Dr Bhagwat Sir suggested that, reading of drawing is important, draw simple pressure vessel & ask students to read it. It will be easy for students to understand. • Dr Srinivas Sir suggested that, use Pressure Vessel Design book.
	3	CH-363	Chemical Process Technology	• Dr Bhagwat Sir suggested that: history of particular compounds or process must be discussed at the beginning. • Dr Srinivas Sir suggested that, highlight the challenges about the course. This course has to be taught differently. Include industry persons to talk with students & focus on challenges in process industry. Don't teach it conventionally. Industrial engagement has to be there. • Prof Gudi Sir suggested that, bring experts from outside the universities to teach student. • Mr Alpesh Dakshini sir suggested that, some case studies can be included of dynamic simulations for better understanding. • Prof Gudi Sir suggested that, the current process analysis in terms material & energy required effect of the process on the environment need to be discussed. • Dr Bhagwat Sir suggested that, major engineering problems & limitations of process must be thoroughly discussed with the student.
	4	CH-371	Process Modeling & Simulation	• Dr Srinivas Sir suggested that, avoid repeatability. • Dr Srinivas Sir suggested that; include a unit on selection of thermodynamic package for simulation. • Dr Srinivas Sir suggested that, focus on process modeling rather than equipment modeling. • Prof Gudi Sir suggested a book by Arthur Westerberg

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Leave of Absence:		
Sr. No.	Name	Affiliation
1	Mr Prasad Kadolikar	(Member, Industry) Honeywell India Ltd.
2	Mrs M D Sardare	Member (Faculty) MITAoE

Prepared By	Verified By	Approved By
(V. A. Tamange)	Sudhir Gandhi	M. SETHILKUMAR
Name and Sign	Name and Sign	Name and Sign

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14	The meeting was concluded by vote of thanks given by Mr S S Gandhi.	-	-

Following members were present during the meeting:

Attendance:			
Sr. No.	**Name of the Attendee**	**Affiliation**	**Sign**
1	Prof. M Senthilkumar	Chairman SCE, MITAoE	Present
2	Prof (Dr.) S. S Bhagwat	Member (VC Nominee) ICT Mumbai	Present
3	Prof (Dr). Ravindra Gudi	Member (R&D) IIT Mumbai	Present
4	Dr. Prafulla Garge	Member, Professional Society, IIChE PRC	Present
5	Prof (Dr.) Srinivas Krishnaswamy	Member (Academic) BITS Pilani KK Birla Goa Campus	Present
6	Prof. (Dr.) Bharat Bhanvase	Member (Academic), LIT Nagpur	Present
7	Mr.Alpesh Dakshini	(Member, Alumni)	Present
8	Dr N M Rane	Member (Faculty) MITAoE	Present
9	Dr A M Kotha		Present
10	Dr S P Shewale		Present
11	Dr P N Sutar		Present
12	Mr S S Gandhi		Present
13	Mr V D Pakhale		Present
14	Mr. Amol Kapse		Present
15	Mr V A Tarange		Present
16	Mrs A Gode		Present
17	Mrs. S S Shende		Present
18	Dr. M P Patil		Present

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c. Wireless and Mobile Network: The course was presented by Dr. P D Ganjewar.
   i. Dr. S G Bhirud suggested to add Course objective as per syllabus contents and suggested that 4-5 COs are sufficient for any course.
   ii. Dr. S J wagh suggested restricting the number of Course objectives.

d. Deep Learning: The course was presented by Mrs. D V Ghusse
   i. Dr. S G Bhirud and Dr. S J Wagh suggested to introduce NPTEL courses to students so that it can help them to undergo self learning.
   ii. Dr. S G Bhirud suggested to reframe COs as per course contents and correct few typographical mistakes.

e. Computer Vision: The course was presented by Mrs. D V Ghusse
   i. Dr. S G Bhirud suggested adding pre-requisite to the course, or objectives can be defined clearly. Also suggested to add fundamentals into the course contents.
   ii. Dr S J wagh and Dr. Dhage suggested to add bridge course to cover the basic fundamentals necessary for the course.

f. Cloud Native DevOps: The course was presented by Mr. A H More.
   i. Dr. Sudhir Dhage appreciated the course contents and suggested to add Jetkings at the start of contents.

g. Remaining courses such as, Distributed systems, AWS cloud, Android Application development and Information retrieval courses are accepted by all BOS members without any changes.

Common Suggestion and Comments:

1. Mini degrees can be started with one year or one and half year certificate course.
2. PG courses can be run under AI/ML streams.
3. NPTEL courses need to be recommended to the for self learning part.
4. Overall structure and course contents were appreciated by all BOS members.
5. Industry collaboration is also appreciated by the BOS members.

All BoS members were satisfied with revised curriculum structure and Syllabus and suggested minor modifications.

Dr. Manish Giri
Member Secretary BOS

Mrs. Ranjana Badre
Chairman

MAEER's MIT Academy of Engineering
School of Computer Engineering and Technology

BoS Minutes of Meeting

Date: 06-05-2022

1. The meeting was conducted through online portal (MS Teams)
2. The BoS Chairman welcomed all the BoS members and open up the meeting..
3. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
4. Autonomy coordinator presented the Final Year B. Tech Sem VII structure.
5. Respective course champions of B. Tech presented the courses.

1.1 Comments on Final Year B Tech 2019-23 Structure:

The curriculum structure was presented by Dr. Manish Giri for 2019-23 Final years B. Tech, all members discussed optimistically; overall all members approved the structure. Dean SCET has announced that TY and Final year Academic is conducted as per the Academic Calendar and SY and DSY academics is going on as per the regular calendar defined.

i. Dr. S J wagh suggested to add Contact Hours for Summer Internship in the structure, also suggested to add MOOC courses in Semester VII.

The Institute level Vision and Mission was discussed in the meeting and following suggestions were received,

i. "Research" key word need to be added in Vision statement.
ii. The word "Center" can be replaced with "Institute" in Vision statement.

2.1 Comments/ Suggestions On Course Contents:

a. Big Data Analytics : The course was presented by Dr. A N Bhute
   i. Mr Pravin Pawar appreciated the inclusion of gaming domain in the syllabus as case study.
   ii. Mr. Virendra Dhaphane suggested to add Hadoop as a service.
   iii. Dr. S G Bhirud suggested to add Health care case studies in the syllabus contents.
   iv. Mr. Saurabh had identified few typographical mistakes as suggested to remove the same.
b. Ethical Hacking: The course was presented by Mr. S C Shirwale
   i. Mr. Saurabh Tadlekar appreciated the industry collaboration for the course.

MIT Academy of Engineering (An Autonomous Institute)	ACTION TAKEN REPORT		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2021-22
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	27/10/2021
	TYPE OF MEETING	:	BOS

Suggestions given in BoS Meeting	Action Taken
Mr. S. P. Dhavane represented Design of Transmission Systems course curriculum in detailed: • Dr. Sachin Mastud suggested to add selection of bearing, design of pump elements, motor selection, design of automatic material handling system, packaging system design and conveyor system design. • Mr. Rahul Kharat suggested to add some introduction on modern day transmission systems. • Dr. Ganesh Kakandikar appreciated the content of the syllabus.	• Selection of Bearings is presently the part of Machine Design Subject (TY First Sem Subject) • Material Handling Systems, Conveyor System design are included in Mechanical System Design (Btech Subject). • Selection of Motors for the Gearboxes is included in the 6th Unit. • Modern Transmission system Included in the 6th Unit. • One Activity is planned on the Transmission in Electric Vehicles
Mr. N.B.Totala represented Heat Transfer course curriculum in detailed: • Mr. Rahul Kharat suggested to add radiation heat transfer from gases to surfaces along with emissivity and Finite difference methods to solve the problem. • Dr. Rohit Nehe suggested to plan industrial visit to the industry which manufacture heat exchanger to get practical exposure. • Dr. Sachin Mastud appreciated the syllabus and suggested it should be self-explanatory in terms of mentioning the specific dimensionless numbers, basic laws of radiation should be specified etc. • Dr. M. P. Khond suggested to reduce some contents as it may be heavy and bulky for the students	• As per Rahul Kharat sir's review, the talk regarding gas radiation would be taught and a case study-based activity would be planned. This would be included in curriculum as an activity learning. • As per Nehe sir's review, an industry visits to a heat Exchanger company, ie, Alfa Laval, Atlas Copco, boiler industry would be done as a mandatory visit and incorporated in syllabus • As per Mastud sir's review, specific dimensionless numbers and radiation gas laws are mentioned in the syllabus. • As per Khond's sir's review, some topics mentioned in the syllabus would be either delivered in Flipped classroom concept or

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BoS Minutes of Meeting

Date: 28-10-2021

1. The meeting was conducted through online portal (Google meet)
2. The BoS Chairman welcomed all the BoS members and open up the meeting.
3. Autonomy Coordinator (Member Secretary) read the minutes of the meeting of the previous meeting and it has been approved by BoS Chairman.
4. Autonomy coordinator presented the TY b tech Sem VI structure.
5. Respective course champions of TY B. Tech presented the courses.

1.1 Comments on TY B Tech 2019-23 Structure:

The curriculum structure was presented by Dr. Manish Giri for 2019-23 TY B. Tech, all members discussed optimistically; overall all members approved the structure.

2.1 Comments/ Suggestions On Course Contents:

a. Software Engineering : The course was presented by Dr. Manish Giri
   i. Dr. M L Dhore suggested renaming design as system behavior specifications. All members accepted the course with minor change.

b. Design analysis of Algorithms: The course was presented by Mrs. N p hajare
   i. Dr Vahida Attar appreciated the course content and suggested to add tutorials or problem solving sessions in labs.
   ii. Dr. Sudhir Dhage, also suggested the same. Also commented on addition of chain metrics and use of Corman book.

c. Remaining courses such as, Compiler design, cloud native app development, Machine learning, Predictive Analysis, Cyber security and forensics, RHL II, Adv. Java and Dot net courses are accepted by all BOS members without any changes.

All BoS members were satisfied with revised curriculum structure and Syllabus and suggested minor modifications.

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Dr. Manish Giri
Member Secretary BOS

Mrs. Ranjana Badre
Chairman

practicals. Give thought on placing this course in another semester.	
Mr. R. A. Patil represented Computational Fluid Dynamics course curriculum in detailed: • Dr. Rohit Nehe suggested to allot industrial related problems to group of students as challenging activity. • Dr. M. P. Khond suggested to verify overlapping of contents of CAE open electives to avoid repetition.	• As per suggestions from Dr.Rohit Nehe sir industrial problems will be incorporated in case study presentation. • For industrial problem statement discussion has been initiated with domain expert. • Overlapping contents are verified. Similar content was not found.
Mr. B. R. Patil represented Vehicle Dynamics course curriculum in detailed: • Dr. M. P. Khond asked about perception to incorporate this syllabus at BTech level. He appreciated the syllabus contents. Contents may be heavy for students and may be challenging to teach all the contents. • Dr. Sachin Mastud suggested to B.R.Patil visit VRDE, Nagar as they have experts in vehicle dynamics. Also, suggested to bring the students who opted this subject to visit VRDE, Nagar. • Dr. Rohit Nehe suggested to modify the title of the second unit as Aerodynamics of vehicle body. Add Ahmed body concept in unit 2. Offer CFD studies in practical no.2 Ahmed body CFD concept introduce in practical no. 2 and compare it with the analytical experimental results. Suggested to collaborate with CFD faculty for practical no. 1 and 2.	• Content is optimized to give flavor of all domains without loading students much. • Planned Visit/ knowledge transfer by VRDE, ARAI, and CIRT. • Renamed AERODYNAMICS TO VEHICLE BODY AERODYNAMICS. • Added Ahmed body concept. • PRACTICAL 2 will be conducted by CFD analysis of airflow over different body in collaboration with CFD champion.

	activity-based learning. Thus, lessoning of load of contents.
Mr. V.P.Kulkarni represented Quality Assurance course curriculum in detailed: • Dr. Sachin Mastud asked about NCAP and time hours for unit 1. Suggested to modify the title of course as Quality management or Quality control. Suggested to modify the contents of unit 3 as the title and contents do not go hand in hand. Add all quality tools in unit 3. Suggested to elaborate the syllabus contents. • Dr. M. P. Khond suggested changing the title of the subject as quality control and management or total quality management. Suggested to introduce the first unit as an introduction to the quality part then slowly go to the case study and application area. First two units are not in the appropriate place and the last two units may be related to testing. International quality awards, quality norms and standards should be there. Add quality tools for idea generation, process planning, etc. Contents should be focused on customer orientation/perception. Suggested to refer to the Total Quality Management book by Besterfield. • Dr. Ganesh Kakandikar suggested removing the first unit as it is focused on manufacturing. Definition of waste and 9 types of wastes should be added.	• As per Dr.Sachin's suggestion, name of the course will be changed. Title of unit 3 is also changed. • As per Dr.Khond's suggestion, reshuffling is done. Also added suggested quality tools. • As per Dr.Ganesh's suggestion, the content on waste is being added.
Dr.M.M Charde represented Skill development (Mechanical Simulations) course curriculum in detailed: • Mr. Rahul Kharat discussed result validation with analytical techniques in practical no. 7,8, and 10. • Dr. Rohit Nehe suggested this course should be placed after numerical modeling. Add this course after studying all the softwares. Give the students ideas about numerical modeling, solid mechanics, fluid mechanics, etc before going to this course. • Dr. Ganesh Kakandikar suggested to reduce some practicals/assignments as it is bulky compared to timing. • Dr. M. P. Khond suggested that course contents should be modified to reduce some of the lab	• Discussed with Mr. Rahul Kharat sir for analytical techniques. • CAD softwares / modules along with other mentioned courses are already studied by the students and this course is basically giving an overview of numerical modelling and further selection for various specialized courses like FEA, CFD etc. • Practical 7 and 8 can be merged to reduce the burden on students. • Action on this has already been taken into consideration in point no.3 and this course is in sixth semester for understanding the complexity and essence of the same.

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Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2021-22
SCHOOL OF MECHANICAL & CIVIL ENGG.	DATE	:	27/10/2021
	TYPE OF MEETING	:	BOS

Names of Attendee:	BOS MEMBERS:
PRH AGK PSK NBT MMC ABM BRP MPJ MWB VPK ABB SPD RAP RKP RKS VAB ASC	Dr. M. P. Khond, Dr. Ganesh Kakandikar, Dr. Sachin Mastud, Mr. Rahul Kharat Dr. Rohit Nehe, Mr. Sujit Chankhore

Minutes of the Meeting:

Sr. No.	Minutes	Responsibility	Target Date
01	The Mechanical Engineering department conducted a BOS meeting through Google Meet forum.	--	--
02	Autonomy coordinator welcomed all the BOS members and faculty members.	--	--
03	The BOS chairman Dr.P.R.Hatte explained the agenda of the meeting and the curriculum structure of B. TECH from semester I to semester VIII in detail.	--	--
04	Mr. S. P. Dhavane represented Design of Transmission Systems course curriculum in detailed: • Dr. Sachin Mastud suggested to add selection of bearing, design of pump elements, motor selection, design of automatic material handling system, packaging system design and conveyor system design. • Mr. Rahul Kharat suggested to add some introduction on modern day transmission systems. • Dr. Ganesh Kakandikar appreciated the content of the syllabus.	SPD	--
05	Mr. N.B.Totala represented Heat Transfer course curriculum in detailed: • Mr. Rahul Kharat suggested to add radiation heat transfer from gases to surfaces along with emissivity and Finite difference methods technique to solve problem. • Dr. Rohit Nehe suggested to plan industrial visit to the industry which manufacture heat exchanger to get practical exposure. • Dr. Sachin Mastud appreciated the syllabus and suggested it should be self-explanatory in terms of mentioning the specific dimensionless numbers, basic laws of radiation should be specified etc. • Dr. M. P. Khond suggested to reduce some contents as it may be heavy and bulky for the students.	NBT	--

Mr. A. S. Chandore represented Project Implementation course curriculum in detailed: • Dr. Ganesh Kakandikar appreciated the content of the syllabus • Dr. M. P. Khond agreed with Dr. Ganesh Kakandikar sir. Appreciated the guidelines given for conduction of project activities. He suggested to reduce the number of activities and use the keywords like manufacture, assemble, test, validate, etc. rather than algorithm, program, coding. This is to make it oriented towards Mechanical Engineering. Student focus should be on quality projects rather than activity completion and documentation. • Dr. Sachin Mastud suggested to reframe the first two course objectives.	. • Keywords in terms of mechanical engineering aspects have changed. • Regarding the number of activities, it is a process of project implementation like steps, so that it will be helpful to students and guides too, to complete projects with scheduled time. • Regarding reframe of first two objectives, discussed with Dr.Borse and Acad. Dean Dr. Barve madam very soon they will come up with a final decision.

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	Dean of School

	• Dr. Sachin Mastud suggested to B.R.Patil visit VRDE, Nagar as they have experts in vehicle dynamics. Also, suggested to bring the students who opted this subject to visit VRDE, Nagar. • Dr. Rohit Nehe suggested to modify the title of second unit as Aerodynamics of vehicle body. Add Ahmed body concept in unit 2. Offer CFD studies in practical no.2 Ahmed body CFD concept introduce in practical no. 2 and compare it with the analytical experimental results. Suggested to collaborate with CFD faculty for practical no. 1 and 2.		
10	Mr.A.S.Chandore represented Project Implementation course curriculum in detailed: • Dr. Ganesh Kakandikar appreciated the content of the syllabus • Dr. M. P. Khond agreed with Dr. Ganesh Kakandikar sir. Appreciated the guidelines given for conduction of project activities. He suggested to reduce the number of activities and use the keywords like manufacture, assemble, test, validate, etc. rather than algorithm, program, coding. This is to make it oriented towards Mechanical Engineering. Student focus should be on quality projects rather than activity completion and documentation. • Dr. Sachin Mastud suggested to reframe the first two course objectives.	ASC	--
11	BOS chairman concluded the meeting by giving thanks to all BOS members and all attendees.	--	--

Prepared By	Verified By	Approved By
Department Assistant	QA Coordinator	BoS Chairman

06	Mr. V.P.Kulkarni represented Quality Assurance course curriculum in detailed: • Dr. Sachin Mastud asked about NCAP and time hours for unit 1. Suggested to modify the title of course as Quality management or Quality control. Suggested to modify the contents of unit 3 as the title and contents not go hand in hand. Add all quality tools in unit 3. Suggested to elaborate the syllabus contents. • Dr. M. P. Khond suggested to change the title of subject as quality control and management or total quality management. Suggested to introduce first unit as introduction to quality part then slowly go to case study and application area. First two units are not on appropriate place and last two units may be related to testing. International quality awards, quality norms and standards should be there. Add quality tools for idea generation, process planning, etc. Contents should be focused on customer orientation/perception. Suggested to refer Total Quality Management book by Besterfield. • Dr. Ganesh Kakandikar suggested to remove the first unit as it is focused on manufacturing. Definition of waste and 9 types of wastes should be added.	VPK	–
07	Dr.M.M Charde represented Skill development (Mechanical Simulations) course curriculum in detailed: • Mr. Rahul Kharat discussed on result validation with analytical techniques in practical no. 7,8, and 10. • Dr. Rohit Nehe suggested this course should be placed after numerical modeling. Add this course after studying the all softwares. Give the students idea about numerical modeling, solid mechanics, fluid mechanics, etc before going to this course. • Dr. Ganesh Kakandikar suggested to reduce some practicals/assignments as it is bulky compared to timing. • Dr. M. P. Khond suggested that course contents should be modified to reduce some of the lab practicals. Give thought on placing this course in another semester.	MMC	–
08	Mr. R. A. Patil represented Computational Fluid Dynamics course curriculum in detailed: • Dr. Rohit Nehe suggested to allot industrial related problems to group of students as challenging activity. • Dr. M. P. Khond suggested to verify overlapping of contents of CAE open electives to avoid repetition.	RAP	–
09	Mr. B. R. Patil represented Vehicle Dynamics course curriculum in detailed: • Dr. M. P. Khond asked about perception to incorporate this syllabus at BTech level. He appreciated the syllabus contents. Contents may be heavy for students and may be challenging to teach all the contents.	BRP	–

Designation in BoS	Name	Designation	Organization	Sign
Chairman	Prof. P. R. Hatte	Dean, SMCE	MIT AoE Alandi	
VC Nominee	Prof. Dr. M. P. Khond	Associate Professor	College of Engineering Pune	
Academic Expert	Dr. Sachin Mastud	Professor	VJTI, Mumbai	
Academic Expert	Prof. Dr. Ganesh Kakandikar	Professor	School of Mechanical Engineering, MIT WPU Pune	
Industry Expert	Dr. Rohit Nehe	Head of Elect. & Etx Department	Creestaa Elevators India Pvt. Ltd., Pune	
Industry Expert	Mr. Rahul Kharat	Vice President	Zenon	
Alumni Representative	Mr. Sujit Chankhore	Founder	Zerton Engg. Services	

BOS-3

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Board of studies

DESIGNATION	NOMINATION	MEMBER
Chairman		Prof. Dr. Nachiket Thakur, MITID
Subject Experts	Academic Council	Prof. Avinash Bhalerao, MITSD
		Dr. Wricha Mishra, HOD- UXD, MITID
		Dr. Debkumar Chakraborty, IIT Guwahati
Subject Experts	Academic Council	Prof Srinvasarao Patturu Avantika University, Ujjain
		Prof. Sukanto Kundu Avantika University, Ujjain
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		Mr. Jashish Kambli (Future Factory)
		Dr. Rakesh Mote IIT, Mumbai
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		Mr. Santosh Khawale, Intoit Solutions, Pune.
One Post Graduate meritorious alumnus	Principal	Mr. Amod Gijare, Fobres Marshall, Pune.
Expert from outside college	Chairman with approval from Director	Dr. Pratheep Kumar, Northwestern University, Boston
One member of staff of the same faculty	Chairman with approval from Director	Mr. Saurabh Deo, Aalto University, Finland
Member Secretary		Asst Prof. Apoorva Gijare

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Contents -

1. Status of development
2. Academics
3. New Pedagogy for school (21-22)
4. Second year syllabus confirmation

Status of development

First batch 20-21

- MAH AAC CET results were declared in Dec 2020
- MITSD First batch of 32 students
- Inaugurated in Jan 21

School Inaugurated by -

Dr. Anant Chkradeo
Pro VC, MITADT

Dr. Mahesh Goudar
Director, MITAOE

Dr. Nachiket Thakur
Director, MITID

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Status of development

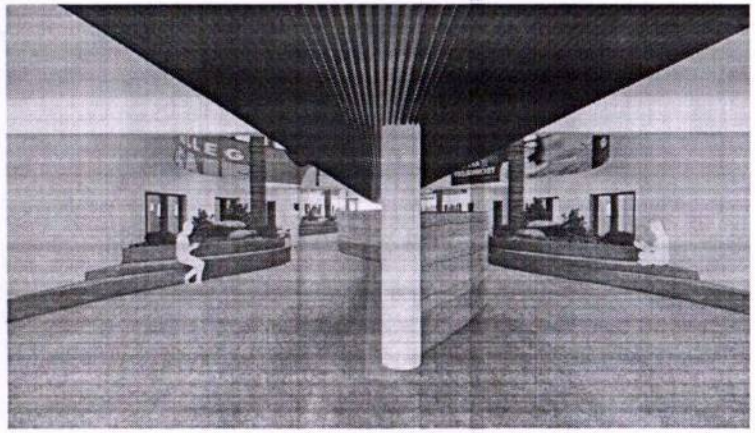
Infrastructure

Present Boy's hostel is getting converted in 3 storied design school

To accommodate 270 students + 36 Design faculties + 15 supporting staff.

Each floor to be used for One specialization.

Top floor to accommodate UXD specialization + Foundation batch.



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Status of development

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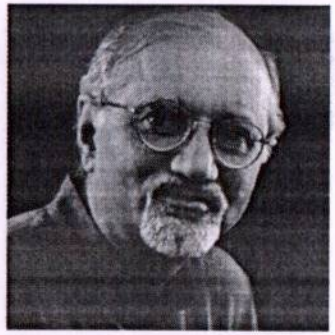
Mentors

- Prof Uday Athavankar, Formar HOD, IDC- IITB appointed by board as our Chief Mentor, Under his guidance we are working on new curriculum.
- MITID as academic mentor.



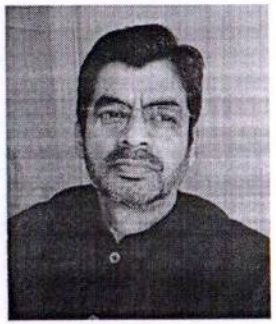
Chief mentor
Prof. Uday Athavankar
IDC, IITB

Mitid mentor
Prof. Dhimant Panchal
MITID

Mitid mentor
Dr. Nachiket Thakur
Director, MITID

Status of development

Faculties



Mr. Avinash Bhalerao
BE Polymers
Industrial designer
IDC, IITB

Mrs. Apoorva Gijare
Architect
Product Designer
M Des-MITID

Mr. Vaibhav Panchal
BFA- fine arts
MFA –portraiture
J J School of arts

Mr. Mandar Kulkarni
BFA- Applied arts
MFA- Illustrations
DBAMU

Dr. Shilpi Bora
BSc , MSc
PhD – Ergonomics
IITG

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Status of development

Mentor Faculties - MITID

1. Prof. Neelam Bhosale - foundation
2. Asst Prof. Shripad Kulkarni - foundation
3. Asso. Prof. Ajay Patil - foundation
4. Asso. Prof. Samson Mathai - Product Design
5. Prof. Ranjana Dani - Graphic Design
6. Prof Dr. Wricha Mishra - UXD

Industry Faculties

1. Mr. Anant Tambde – Amdocs, Pune
2. Mr. Nilesh Akode –Bosch, Bangalore

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Academics

SEMESTER 1 & 2

Sr. No.	Course Title	Course Title
1	Overview of Design	Design Drawing 2 : **Freehand , Analytical & Perspective**
2	Design Drawing 1 : **Freehand Drawing**	Fundamentals of Design 5 : **Colour II**
3	Fundamentals of Design 1 : **Colours**	Fundamentals of Design 6 : **Solid Geometry**
4	Fundamentals of Design 2 : **Geometry**	Fundamentals of Design 7 : **Three Dimensionalities of Form , Space & Structure**
5	Fundamentals of Design 3 : **Materials**	Fundamentals of Design 8 : **Materials**
6	Fundamentals of Design 4 : **Form , Space & Structure**	Digital Methods 2 : **Advanced Image Processing and Vector Graphics Applications**
7	Digital Methods 1 : **Introduction to Digital Methods**	Design Process : **Problem Solving**
8	Interdesign Studies 1 : **Rural** Environment Exposure	Interdesign Studies 2 : **Urban** Environment Exposure

Academics

SEMESTER 1

As planned, we adopted and implemented MITID curriculum for the foundation year.

Online format needed some alterations/tweaks

Subjects like - **Design Drawing, Colours, Geometry & Elements of form-space-structure** had lot of skill based, creative contents/assignments. So it went well online, but with frequent reviews and huge amount of extra time (compare to physical class)

Subjects like – **MATERIALS** needed change in materials, assignments contents.
We worked on Soap as semisoft material, Paper Masche & Pure Paper craft work.
Paper craft 3 day workshop was conducted by professional paper craft designer.
Mrs. Alefiya Kabira

Subject **Digital Design** – also had guest tutorial format.
Completed it with Guest lecturer, Graphic design professionals
1. Mrs. Sarvari Kadam & 2. Mr. Abhishek Kadam

Academics

SEMESTER 2

Sr. No.	Course Title
1	Design Drawing 2 : **Freehand , Analytical & Perspective**
2	Fundamentals of Design 5 : **Colour II**
3	Fundamentals of Design 6 : **Solid Geometry**
4	Fundamentals of Design 7 : **Three Dimensionalities of Form , Space & Structure**
5	Fundamentals of Design 8 : **Materials**
6	Digital Methods 2 : **Advanced Image Processing and Vector Graphics Applications**
7	Design Process : **Problem Solving**
8	Interdesign Studies 2 : **Urban** Environment Exposure

To emphasis on digital learning,
we are planning to introduce assignments
Which can be done in 2D software -
Colours – II (entirely)
Design Drawing (partly)
Which is conventionally done by hands.

New Pedagogy for school

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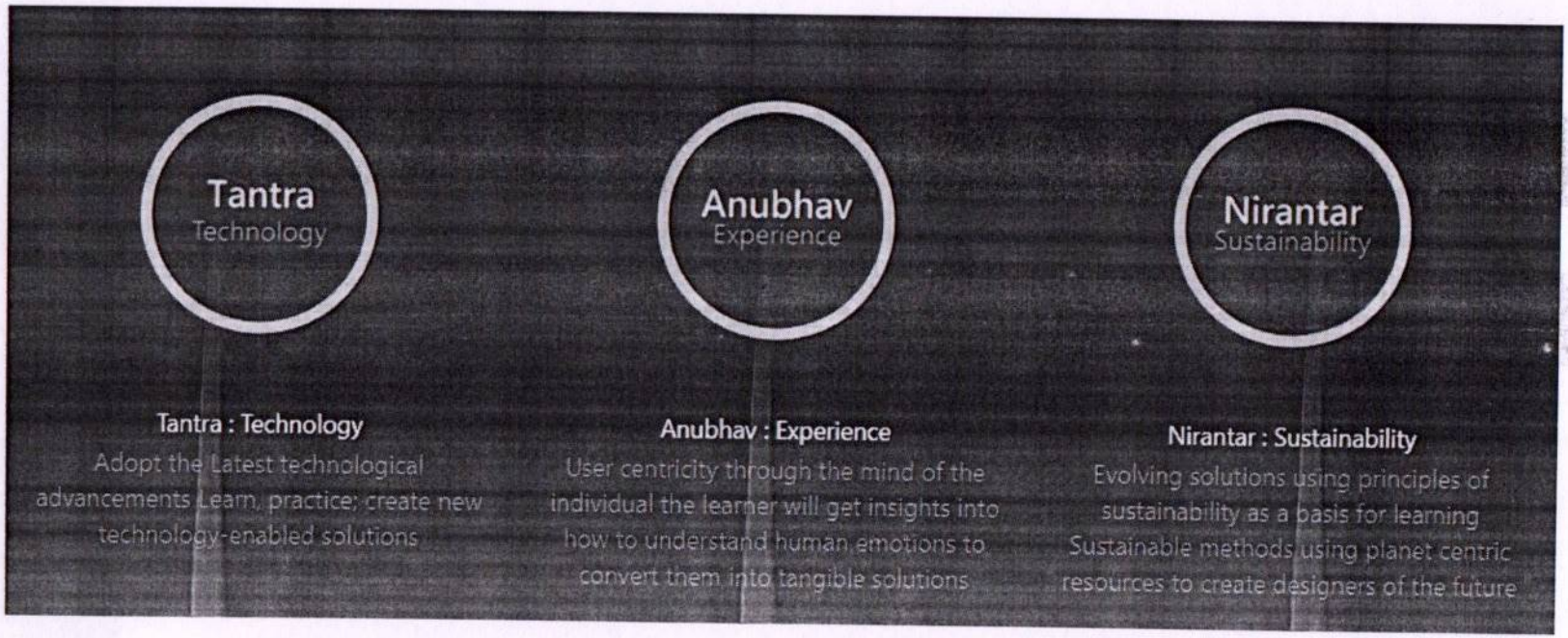
Core pillars of Pedagogy -

Our pedagogy will be based on 3 core aspects.



New Pedagogy for school

New Curriculum

Technology Driven Design

Being surrounded by other technical/engineering specializations
And our firm belief to bring technology component in to design,
We have decided to pursue Technology Driven Design as our approach.
That will also help us build our own direction in Academics (as specializations) as design school.

To include knowledge of conventional engineering technologies, advance technologies along with new age digital and emerging technologies like AR,VR,AI and more. Including these technologies from Foundation year, exploring them more in 2 & 3 years and collaborating/working along other engineering disciplines for graduation projects. These efforts would help us train our designer in specific direction where they will have more practical, realistic experiences and they will be ready to work in industry quickly.

New Pedagogy for school

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Vision-

To use Technology, Human, and Sustainability as 3 key parameters to design Immersive, Physical, and Digital solutions.

Second year syllabus confirmation

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Academics

For 2nd year specialisations

Discussions on syllabus contents for all 3 disciplines will begin after concluding first semester. Where we will be deliberating on changes (10-15% change) to have more emphasis on

1. Knowledge of conventional & advance engineering technologies,
2. Introducing emerging technologies in curriculum and trying to use in it assignments/mini projects.
3. Introducing 2D/3D software & its regular usage in assignments

Product Design – 2nd year

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Second year syllabus confirmation

Semester 3

No.	Course Name	Credits
1	Design Drawing	4
2	Form Studies - Radii Manipulation	3
3	Basic Photography	1
4	Basic Typography	1
5	Digital Studies (CAD)	1
6	Introduction to Ergonomics	2
7	Materials & Processes	2
8	Research Methods	2
9	Design Project - Simple Product Design	4

Fundamentals of Electric, electronics, Mechatronics

Semester 4

No.	Course Name	Credits
1	Design Drawing: Rendering Techniques	2
2	Technology: Workshop Skills & Working Model Making	5
3	Form Studies: Form Transition	2
4	Technology: Advanced Manufacturing Processes	2
5	IDS: Everyday Science & Creative Intervention	3
6	Design Project 2 : Human-Product Interface	5
7	Digital Methods : Advanced CAD	1

New age technologies/emerging technologies, Digital technologies

Product Design – 2nd year

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Second year syllabus confirmation

mfg. processes	Fundamental technologies	Mechatronics basics	New age technologies
Conventional mfg.	IC engine	Sensors and Actuators	Mechatronics
Advance mfg.	electricity	Mechanisms and Joineries	3D printing
	Electric motor		IOT
	Telephone		Augmented reality
	Electronics		Virtual reality
	CNC machines		Artificial intelligence
	Robotics		
	Internet		

Communication Design – 2nd year

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Second year syllabus confirmation

Semester 3

Sr. No.	Course Title	Total Credit
1	Design Drawing – Drawing (Mediums & Techniques)	3
2	Graphic Composition & Layouts / Color – Basics and Color Palettes	2
3	Basic Typography (Lettering & Layouts)	2
4	Digital Methods – Publishing (Part1)	2
5	Basic Photography	2
6	Communication Theory & Media Studies	2
7	History of Design	1
8	Basics of Moving Images (Technical)	1
9	Design Project 1- Design Process / Simple Design Project	4
10	Inter-Design Studies - Folk Arts	1
	Total	20

Basic photography + advance photography

Semester 4

Sr. No.	Course Title	Total Credit
1	Digital Methods	3
2	3D Structural Study / Materials for Communication Medias (Production & Prototype)	1
3	Digital Methods - Digital Illustration	3
4	Advanced Photography	3
5	Advanced Typography / Calligraphy	3
6	Printing & Production Methods	1
7	Film Appreciation / Art Appreciation	1
8	Design Project 2- Copywriting & Communication Campaign-Advertising	5
	Total	20

Introduction to UI- UX fundamentals

User Experience Design – 2nd year

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Second year syllabus confirmation

Semester 3

No.	Course Name	Credits
1	Fundamentals of User Centred Design	2
2	Introduction to Ergonomics	5
3	Illustration for Digital Products	5
4	Introduction to Interaction Design	4
5	Overview to Software Design Process & Modelling	4

Semester 4

No.	Course Name	Credits
1	User Experience Design Methods	6
2	Cognitive Ergonomics : Tools & Techniques	5
3	User Study	4
4	Trends in Interactive Technologies	2
5	Task Analysis & Sytsem Visualization	3


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BOS- 2

MIT SCHOOL OF DESIGN

MIT | Academy of Engineering

School of Design, MIT Academy of Engineering

Affiliated to Savitribai Phule Pune University

Approved by AICTE (All Indian Council for technical education)

Approved by DoA- Directorate of Arts, Maharashtra State

First Batch begins from Academic year 2020-21

MIT ACADEMY OF ENGINEERING School of Design

MIT SCHOOL OF DESIGN

Students intake :

Total Intake : 90 students
Main seats through **BFA AAC** Entrance exam 2020
20 % seats through DAT (MITID entrance) for institute quota

i.e. 72 direct state allotment, 18 institutional quota

Product design	**User Experience Design**	**Communication Design**
30 students	30 students	30 students

MIT SCHOOL OF DESIGN

Faculties recruited:

1. Avinash Bhalerao - M. Des (BE Polymers), Exp- 20 yrs
2. Apoorva Gijare - M. Des (Graduation in Architecture), Exp- 7 yrs
3. Vaibhav Panchal - MFA (Portraiture), Exp- 11 yrs

To be mentored by MAEER's **MIT INSTITUTE OF DESIGN**

Board of studies

DESIGNATION	NOMINATION	MEMBER
Chairman		Prof. Dr. Nachiket Thakur, MIT ID
Subject Experts	Academic Council	Prof. Dhimant Panchal, MIT ID
		Prof. Avinash Bhalerao, SoD, MIT AOE
		Dr. Debkumar Chakraborty, IIT Guwahati
		Prof. Hari Kara, MITID
Subject Experts	Academic Council	Prof Srinvasarao Patturu Avantika University, Ujjain
		Prof. Sukanto Kundu Avantika University, Ujjain
Expert	Vice Chancellor (Nominated from Panel of Six members recommended by Institute Director)	Prof Anirudha Joshi, IIT IDC Mumbai
		Mr. Jashish Kambli (Future Factory)
		Prof. Vydianathan Ramaswami MIT ID
		Dr. Rakesh Mote IIT, Mumbai
Representative from Industry/Corporate Sector/Allied area relating to placement		Mr. Siddharth Kabra, Monsoonfish Design, Pune
		Mr. Santosh Khawale, Intoit Solutions, Pune.
One Post Graduate meritorious alumnus	Principal	Mr. Amod Gijare, Fobres Marshall, Pune.
Expert from outside college	Chairman with approval from Director	Dr. Pratheep Kumar, Northwestern University, Boston
One member of staff of the same faculty	Chairman with approval from Director	Mr. Saurabh Deo, Aalto University, Finland
Member Secretary		Dr. Shilpi Bora (SoD, MIT AOE)

Board of studies

DESIGNATION	NOMINATION	MEMBER
Chairman		Prof. Dr. Nachiket Thakur, Dy. Director, MIT ID
Subject Experts	Academic Council	Prof. Dhimant Panchal, MIT ID
		Prof. Avinash Bhalerao, SoD, MIT AOE
		Prof. Mathew, HOD Graphic Design, MITID
		Dr. Wrich Misra, HOD- UXD, MITID
Subject Experts	Academic Council	Prof Srinvasarao Patturu Avantika University, Ujjain
		Prof. Sukanto Kundu Avantika University, Ujjain
Expert	Vice Chancellor (Nominated from Panel of Six members recommended by Institute Director)	Prof Anirudha Joshi, IIT IDC Mumbai
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Member Secretary		Dr. Shilpi Bora (SoD, MIT AOE)

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 3 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGFD301	Design Drawing – Drawing (Mediums & Techniques)	60	3	0-1-2-0	0-T-P-0
2	GGFD302	Graphic Composition & Layouts / Color – Basics and Color Palettes	90	2	0-1-1-0	0-T-P-0
3	GGFD303	Basic Typography (Lettering & Layouts)	60	2	0-1-1-0	0-T-P-0
4	GGFD304	Digital Methods – Publishing (Part1)	90	2	1-0-1-0	L-0-P-0
5	GGFD305	Basic Photography	60	2	0-1-1-0	0-T-P-0
6	GGDC306	Communication Theory & Media Studies	60	2	0-1-1-0	0-T-P-0
7	GGFD307	History of Design	30	1	0-0-1-0	0-0-P-0
8	GGFD308	Basics of Moving Images (Technical)	30	1	0-0-1-0	0-0-P-0
9	GGPR309	Design Project 1- Design Process / Simple Design Project	90	4	0-1-3-0	0-T-P-0
10	GGDC310	Inter-Design Studies - Folk Arts	30	1	0-0-1-0	0-0-P-0
		Total	600	20		

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 4 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGDG401	Digital Methods	90	3	1-0-2-0	L-0-P-0
2	GGST402	3D Structural Study / Materials for Communication Medias (Production & Prototype)	60	1	0-0-1-0	0-0-P-0
3	GGDC403	Digital Methods - Digital Illustration	90	3	0-1-2-0	0-T-P-0
4	GGFD404	Advanced Photography	60	3	0-1-2-0	0-T-P-0
5	GGFD405	Advanced Typography / Calligraphy	90	3	1-1-1-0	L-T-P-0
6	GGST406	Printing & Production Methods	60	1	0-0-1-0	0-0-P-0
7	GGDC407	Film Appreciation / Art Appreciation	30	1	0-0-1-0	0-0-P-0
8	GGPR408	Design Project 2- Copywriting & Communication Campaign-Advertising	120	5	0-2-3-0	0-T-P-0
		Total	600	20		

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 5 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGDC501	Semiotics - Signs & Symbol Design	60	2	0-0-2-0	0-0-P-0
2	GGPR502	Design Project 3 - Identity Design	90	3	0-1-2-0	0-T-P-0
3	GGPR503	Design Project 4 - Publication Design (Part 2)	120	4	0-2-2-0	0-T-P-0
4	GGDG504	Digital Methods - Motion Graphics (Part 2)	30	2	0-0-2-0	0-0-P-0
5	GGPR505	Design Project 5 -Motion Graphics - Moving Image Design	120	4	0-1-3-0	0-T-P-0
6	GGDC506	Study of Environmental Graphics	30	1	0-1-0-0	0-T-0-0
7	GGDG507	Introduction UX & UI - (STUDY / THEORY)	120	3	0-1-2-0	0-T-P-0
8	GGDC508	IDS - Social / Cultural Contexts	30	1	0-0-1-0	0-0-P-0
		Total	600	20		

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 6 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGDC601	Open Elective	60	2	0-0-0-0	0-0-0-0
2	GGDC602	Data Interpretation & Graphic Visualization	60	2	0-0-2-0	0-0-P-0
3	GGPR603	Design Project 6 - Way-finding Systems	90	4	0-2-2-0	0-T-P-0
4	GGPR604	Design Project 7- (UX &UI) Digital media& Technology (Part 1)	120	3	0-1-2-0	0-T-P-0
5	GGPR605	Design Project 8- Communication for Social Impact (Integrated media)	120	4	0-2-2-0	0-T-P-0
6	GGDC606	Professional Design Practice (Design Case Paper-Writing) part1	30	2	0-0-2-0	0-0-P-0
7	GGPR607	Design Project 9 - Packaging Design (with PD)	120	3	0-1-2-0	0-T-P-0
		Total	600	20		

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 7 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGDC701	Design Management	60	3	0-1-2-0	0-T-P-0
2	GGDC702	System Thinking - Systems Design	90	2	0-1-1-0	0-T-P-0
3	GGPR703	Design Project 10 -Design for Brands & Brand Manual	150	6	0-2-4-0	0-T-P-0
4	GGDC704	Human Factors in Visual Design	90	4	0-1-3-0	0-T-P-0
5	GGDC705	Professional Design Practice (Design Case Paper-Writing)Part 2	60	1	0-0-1-0	0-0-P-0
6	GGPR706	Self-Initiated Specialization| Portfolio	90	3	0-0-3-0	0-0-P-0
7	GGDC707	Industry Interaction | Workshops	60	1	0-1-0-0	0-T-0-0
		Total	600	20		

MIT SCHOOL OF DESIGN

Communication Design – Course Structure

SEMESTER 8 : Communication Design						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GGPR801	Industrial Internship *	140	4	0-0-0-4	0-0-0-N
2	GGPR802	Graduation Project	460	16	0-0-0-16	0-0-0-N
		Total	600	20		

* Industrial Internship - Conducted in Summer break after Sem 6, credits to be considered in Sem 8

MIT ACADEMY OF ENGINEERING School of Design

MIT
SCHOOL
OF DESIGN

MIT | Academy of Engineering (An Autonomous Institute Affiliated to Savitribai Phule University)	MIT SCHOOL OF DESIGN
B. Des Foundation -2021- 22	Second Semester
Course Name:Elements of Form, Space and Structure-2	Course Code: CC21FD202

Methodologic to support weak Students and Encourage bright students

Bright and Weak Students are identified based on their academic Course wise Internal Assignments and performance

- The students are encouraged to present their work to internal Faculty jury members and give them extra time to rework on their weak assignments.

- Encourage students to do more explorations based on course learning

Case Study of Analysis of Weak and Bright Students

After the Course end all the internal assignments were evaluated based on Objectives and Course outcome parameters. The overall course result obtained is shown below. The students scoring greater than equal to 66 marks were considered as bright students and students scoring below 40 marks were considered weak students who require guidance for that particular course. The students securing marks in between 41 to 64 are considered average students.

Total No of Students Appeared: - 56

Sr. No.	Student	Total	Average	
		180	75	
1	Adarsh	131	55	Average
2	Aditya	155.5	65	Average
3	Allen	160.5	67	Bright
4	Amrut	103	43	Average
5	Anannya	146.5	61	Average
6	Anchita	130.5	54	Average
7	Anmol	150	63	Average
8	Anushka	143.5	60	Average
9	Arora Riddhi	160.5	67	Bright
10	Arti	140	58	Average
11	Arya	105.5	44	Average
12	Atharva	157	65	Average
13	Bhangale Mayur	94	39	Weak

14	Bhavya	154	64	Average
15	Christopher	152	63	Average
16	Devika	145.5	61	Average
17	Dishant	136	57	Average
18	Georgina	160	67	Bright
19	Himanshu	154	64	Average
20	Hiten	160.5	67	Bright
21	Honey	146	61	Average
22	Isha	141.5	59	Average
23	Iyer, Shruti	47	20	Weak
24	Janhavi	133	55	Average
25	Jiya	149.5	62	Average
26	Lakhi	143	60	Average
27	Mahika	145	60	Average
28	Nambiar, Vaishnav	143	60	Average
29	Namrata	143.5	60	Average
30	Padmakaar	149	62	Average
31	Parnavi	136	57	Average
32	Pranmya	142.5	59	Average
33	Pratik	134	56	Average
34	Priyanka	100	42	Average
35	Rishi	98	41	Weak
36	Roli	128	53	Average
37	Ruchita	141	59	Average
38	Rushikesh	136	57	Average
39	Rutuja	82	34	Weak
40	Saraswati	43	18	Weak
41	Sejal	138.5	58	Average
42	Shantanu	123	51	Average
43	Shaunak	153	64	Average
44	Shravani	151	63	Average
45	Shreya Medhekar	140	58	Average
46	Shreya Maurkar	137.5	57	Average
47	Shreyash	143.5	60	Average
48	Shubham	138	58	Average
49	Sidhika	138	58	Average
50	Sneha	146.5	61	Average
51	Suhas	144.5	60	Average
52	Sushant	120.5	50	Average
53	Swarup	84	35	Weak
54	Trushna	130	54	Average
55	Vaishnavi	124.5	52	Average
56	Yash	118.5	49	Average

Bright	4
Average	45
Weak	6

Pankaj Shelke
HOD.

MIT ACADEMY OF ENGINEERING
School of Design

MIT Academy of Engineering (An Autonomous Institute Affiliated to Savitribai Phule University)	MIT SCHOOL OF DESIGN
B. Des Foundation -2021- 22	Second Semester
Course Name: Digital Tools: Model Making-2	Course Code: SE21FD204

Methodologic to support weak Students and Encourage bright students

Bright and Weak Students are identified based on their academic Course wise Internal Assignments and performance

- The students are encouraged to present their work to internal Faculty jury members and give them extra time to rework on their weak assignments.

- Encourage students to do more explorations based on course learning

Case Study of Analysis of Weak and Bright Students

After the Course end all the internal assignments were evaluated based on Objectives and Course outcome parameters. The overall course result obtained is shown below. The students scoring greater than equal to 66 marks were considered as bright students and students scoring below 40 marks were considered weak students who require guidance for that particular course. The students securing marks in between 41 to 64 are considered average students.

Total No of Students Appeared: - 56

Sr. No.	Student	Total	Average	
		80	**75**	
1	Adarsh	72.5	68	**Bright**
2	Aditya	12	11	**Weak**
3	Allen	0	0	**Weak**
4	Amrut	63.5	60	**Average**
5	Anannya	65.5	61	**Average**
6	Anchita	55	52	**Average**
7	Anmol	25	23	**Weak**
8	Anushka	51	48	**Average**
9	Arora Riddhi	48	45	**Average**
10	Arti	65.5	61	**Average**
11	Arya	61.5	58	**Average**

12	Atharva	50	47	Average
13	Bhangale Mayur	75	70	Bright
14	Bhavya	71.5	67	Bright
15	Christopher	66	62	Average
16	Devika	63.5	60	Average
17	Dishant	63.8	60	Average
18	Georgina	72	68	Bright
19	Himanshu	57.5	54	Average
20	Hiten	61.5	58	Average
21	Honey	51	48	Average
22	Isha	42	39	Weak
23	Iyer, Shruti	73	68	Bright
24	Janhavi	64	60	Average
25	Jiya	54	51	Average
26	Lakhi	65	61	Average
27	Mahika	60	56	Average
28	Nambiar, Vaishnav	70	66	Bright
29	Namrata	50.5	47	Average
30	Padmakaar	60.5	57	Average
31	Parnavi	59	55	Average
32	Pranmya	15	14	Weak
33	Pratik	55.5	52	Average
34	Priyanka	60	56	Average
35	Rishi	61.5	58	Average
36	Roli	43	40	Weak
37	Ruchita	26	24	Weak
38	Rushikesh	68.5	64	Average
39	Rutuja	48	45	Average
40	Saraswati	57	53	Average
41	Sejal	63	59	Average
42	Shantanu	61	57	Average
43	Shaunak	58	54	Average
44	Shravani	47.5	45	Average
45	Shreya Medhekar	65.5	61	Average
46	Shreya Maurkar	61.5	58	Average
47	Shreyash	58	54	Average
48	Shubham	63	59	Average
49	Sidhika	73.5	69	Bright
50	Sneha	67.5	63	Average
51	Suhas	67.5	63	Average
52	Sushant	62.3	58	Average
53	Swarup	60.5	57	Average
54	Trushna	62.5	59	Average
55	Vaishnavi	44	41	Weak
56	Yash	63.5	60	Average

Bright	7
Average	41
Weak	8

Tarang Shelke
HOD.

MIT ACADEMY OF ENGINEERING
School of Design

MIT | Academy of Engineering (An Autonomous Institute Affiliated to Savitribai Phule University)	MIT SCHOOL OF DESIGN
B. Des Foundation -2021- 22	Second Semester
Course Name:Elements of Form, Space and Structure-2	Course Code: CC21FD202

Methodologic to support weak Students and Encourage bright students

Bright and Weak Students are identified based on their academic Course wise Internal Assignments and performance

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6	Anchita	130.5	54	Average
7	Anmol	150	63	Average
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40	Saraswati	43	18	Weak
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49	Sidhika	138	58	Average
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53	Swarup	84	35	Weak
54	Trushna	130	54	Average
55	Vaishnavi	124.5	52	Average
56	Yash	118.5	49	Average

Bright	4
Average	45
Weak	6

Pankaj Shelke
HOD.

MIT ACADEMY OF ENGINEERING
School of Design

BOS-4

BOS

MIT Institute of Design,
Alandi-Pune
24th November 2021

Agenda :

1. School update & action taken
2. Product design - 4th Semester
3. Communication design - 4th Semester
4. User Experience Design – 4th Semester

- Foundation year – New course contents

MIT ACADEMY OF ENGINEERING ★ School of Design

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MIT INSTITUTE
OF DESIGN
ALANDI, PUNE

Savitribai Phule
Pune University

MITID, Loni - Pune

MITID, Alandi - Pune

MITID, Avantika - Ujjain

MITID, Shillong

School Updates -

First batch 20-21 (Foundation year)

1st year Jan 21 ⟶ Sept 21

First batch 20-21 (Second year)

3rd Sem Sept 21 ⟶ Jan 22

4th Sem Feb 21 ⟶ June 22

30 + 90 = 120 students
7 + 5 = 12 faculties

Design Faculties -

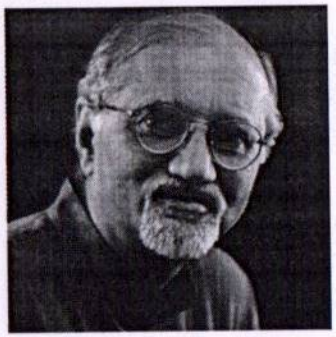
3	First Sem
2	Second Sem
2	Third Sem
7	Total till date

Planning to add
2 faculties for Foundation
3 faculties in specialisations

MIT INSTITUTE OF DESIGN
ALANDI, PUNE

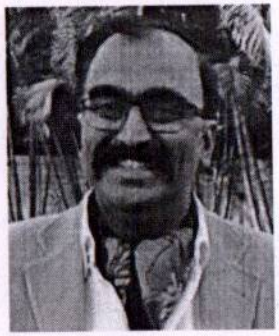
Savitribai Phule Pune University

Mentors -



Prof. Uday Athavankar
IDC, IITB
As Chief Mentor

Mitid mentor
Prof. Dhimant Panchal
MITID



Mitid mentor
Dr. Nachiket Thakur
Director, MITID

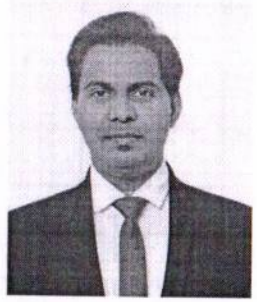
MIT INSTITUTE OF DESIGN
ALANDI, PUNE

Savitribai Phule Pune University

Faculties -

Mr. Avinash Bhalerao
BE Polymers
Industrial designer
IDC, IITB

Mrs. Apoorva Gijare
Architect
Product Designer
M Des-MITID



Mr. Vaibhav Panchal
BFA- fine arts
MFA –portraiture
J J School of arts

Mr. Mandar Kulkarni
BFA- Applied arts
MFA- Illustrations
DBAMU

Mr. Sugat ingle
industrial designer
BE Mech + M Des, IITG

Mr. Rupesh Gajbhiye
Communication designer
MFA Applied arts

Mr. Parag Shelke
Illustrator & Communication Designer
MFA applied arts

MIT INSTITUTE OF DESIGN
ALANDI, PUNE

Savitribai Phule Pune University

Product Design – 2nd year

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Second year subject confirmation -

Semester 3

No.	Course Name	Credits
1	Design Drawing	4
2	Form Studies - Radii Manipulation	3
3	Basic Photography	1
4	Basic Typography	1
5	Digital Studies (CAD)	1
6	Introduction to Ergonomics	2
7	Materials & Processes	2
8	Research Methods	2
9	Design Project - Simple Product Design	4

Fundamentals of Electric, electronics, Mechatronics

Semester 4

No.	Course Name	Credits
1	Design Drawing: Rendering Techniques	2
2	Technology: Workshop Skills & Working Model Making	5
3	Form Studies: Form Transition	2
4	Technology: Advanced Manufacturing Processes	2
5	IDS: Everyday Science & Creative Intervention	3
6	Design Project 2 : Human-Product Interface	5
7	Digital Methods : Advanced CAD	1

New age technologies/emerging technologies, Digital technologies

Communication Design – 2nd year

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mit school of design

Second year subject confirmation -

Semester 3

Sr. No.	Course Title	Total Credit
1	Design Drawing – Drawing (Mediums & Techniques)	3
2	Graphic Composition & Layouts / Color – Basics and Color Palettes	2
3	Basic Typography (Lettering & Layouts)	2
4	Digital Methods – Publishing (Part1)	2
5	Basic Photography	2
6	Communication Theory & Media Studies	2
7	History of Design	1
8	Basics of Moving Images (Technical)	1
9	Design Project 1- Design Process / Simple Design Project	4
10	Inter-Design Studies - Folk Arts	1
	Total	20

Basic photography + advance photography

Semester 4

Sr. No.	Course Title	Total Credit
1	Digital Methods	3
2	3D Structural Study / Materials for Communication Medias (Production & Prototype)	1
3	Digital Methods - Digital Illustration	3
4	Advanced Photography	3
5	Advanced Typography / Calligraphy	3
6	Printing & Production Methods	1
7	Film Appreciation / Art Appreciation	1
8	Design Project 2- Copywriting & Communication Campaign- Advertising	5
	Total	20

Introduction to UI- UX fundamentals

User Experience Design – 2nd year

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mit school of design

Second year subject confirmation -

Semester 3

No.	Course Name	Credits
1	Fundamentals of User Centred Design	2
2	Introduction to Ergonomics	5
3	Illustration for Digital Products	5
4	Introduction to Interaction Design	4
5	Overview to Software Design Process & Modelling	4

Semester 4

No.	Course Name	Credits
1	User Experience Design Methods	6
2	Cognitive Ergonomics : Tools & Techniques	5
3	User Study	4
4	Trends in Interactive Technologies	2
5	Task Analysis & Sytsem Visualization	3

Previous MOM & Action taken -

The discussion and suggestions made during the meeting on –

1. To include **Need finding** aspects in the course title - Research Methods. As research is becoming critical part of product development it is important that students are introduced and made aware about its importance and critical role it can play in initial phase of design. To include various ways/techniques/methodologies like AEIOU as course content.

2. Minimum **2 week course duration** - Instead of having more courses/subjects with few credits, it will be good to have elaborate course contents that should include more. Through the experience and observation, it takes some time to sensitize students & understand the subject. So giving more time for one subject will help absorb info well.

3. To include **sustainability** in courses- it could be various aspects, or appropriate course content.

4. **Cognitive ergonomics** to be given more importance along with physical ergonomics.

Previous MOM & Action taken -

The discussion and suggestions made during the meeting on –

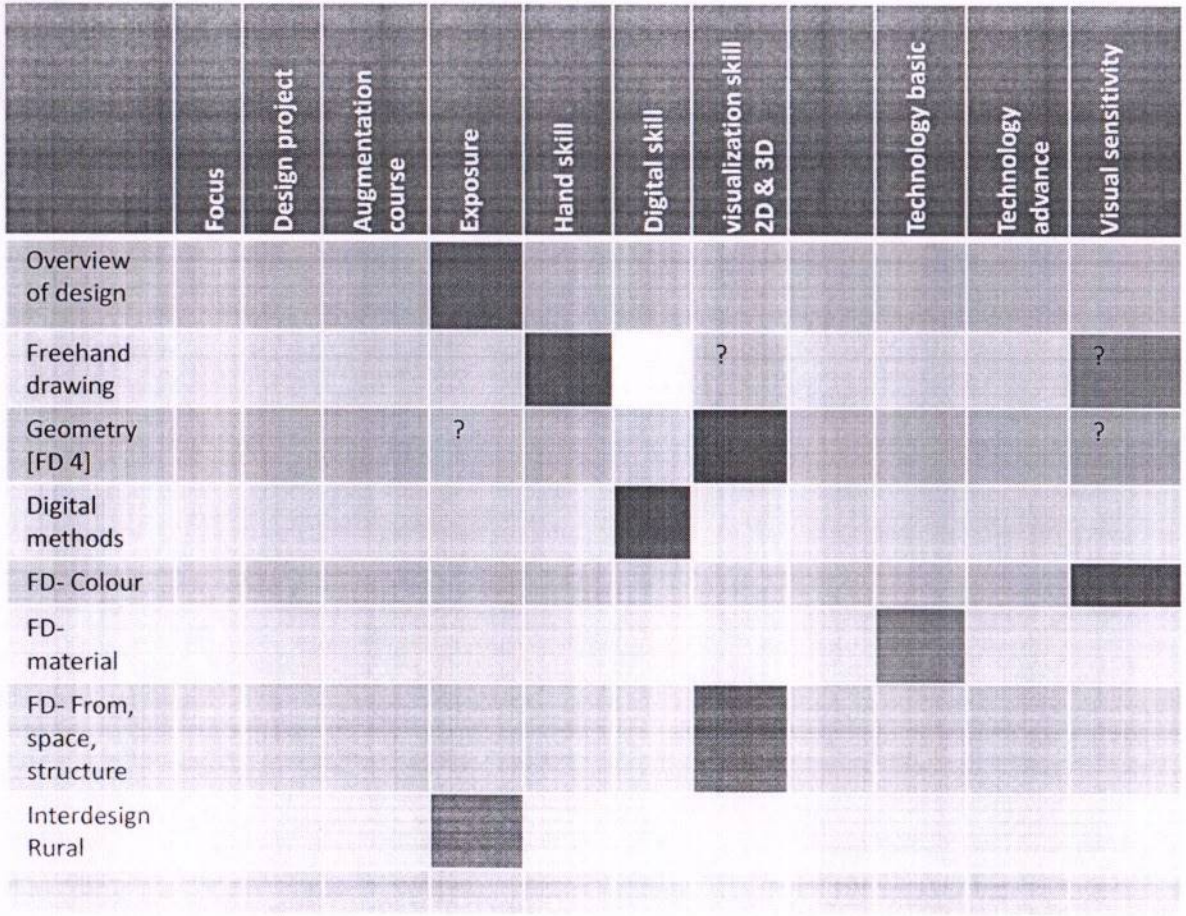
5. **Categorizing/restructuring** of course contents based on Fundamentals, Skills based, application-based subjects. And also, to look at credit distribution accordingly.

6. To **present complete picture** of courses/contents of essential, optional, electives so that students are aware and better prepared to decide their path forward.

7. To **include Business aspects**-like business, its economics, & value in design curriculum. Its contents and application should be evident in assignments, mini projects & projects that students take up.

8. Distributing these business aspects appropriately in the syllabus of 1st to 4th years needs to be explored first.

Categorizing/restructuring -



MIT INSTITUTE OF DESIGN
ALANDI, PUNE

Savitribai Phule Pune University

MIT ACADEMY OF ENGINEERING School of Design

Agenda further :

- Product design - 4th Semester
- Communication design - 4th Semester
- User Experience Design – 4th Semester

- Foundation year – New course contents

MIT Academy of Engineering

School of Design

Board of Studies

2020-21

DESIGNATION	NOMINATION	MEMBER
Chairman		Prof. Dr. Nachiket Thakur, MIT ID
Subject Experts	Academic Council	Prof Dhimant Panchal, MIT ID
		Prof. Avinash Bhalerao, SoD, MIT AOE
		Dr. Debkumar Chakraborty, IIT Guwahati
Subject Experts	Academic Council	Prof Srinvasarao Patturu Avantika University, Ujjain
		Prof. Sukanto Kundu Avantika University, Ujjain
Expert	Vice Chancellor (Nominated from Panel of Six members recommended by Institute Director)	Prof Anirudha Joshi, IIT IDC Mumbai
		Mr. Jashish Kambli (Future Factory)
		Prof. Vydianathan Ramaswami MIT ID
		Dr. Rakesh Mote IIT, Mumbai
Representative from Industry/Corporate Sector/Allied area relating to placement		Mr. Siddharth Kabra, Monsoonfish Design, Pune
		Mr. Santosh Khawale, Intoit Solutions, Pune.
One Post Graduate meritorious alumnus	Principal	Mr. Amod Gijare, Fobres Marshall, Pune.
Expert from outside college	Chairman with approval from Director	Dr. Pratheep Kumar, Northwestern University, Boston
One member of staff of the same faculty	Chairman with approval from Director	Mr. Saurabh Deo, Aalto University, Finland
Member Secretary		Dr. Shilpi Bora (SoD, MIT AOE)

MIT ACADEMY OF ENGINEERING School of Design

MIT ACADEMY OF ENGINEERING School of Design

mitsd
mit school of design

School of Design
Board of Studies - 2021-22

Designation	Nomination	Members
Chairman		Prof. Avinash Bhalerao
Subject Expert	Academic Council	Prof. Dhimant Panchal, MITID-Loni Prof. Sukanto Kundu, Avantika University-Ujjain Prof. Dr. Wricha Mishra, MITID-Loni
Expert	Vice Chancellor Nominee	Prof. Dr. Nachiket Thakur, Dir, MITID-Loni
Industry representative		Mr. Siddharth Kabra, Monsoonfish Design, Pune Mr. Santosh Khawale, Intoit Solutions, Pune
Post graduate meritorious student		Mr. Amod Gijare, Forbes Marshall, Pune
Expert from outside the institute	Chairman with approval from Director	Dr. Pratheep Kumar, Northwestern University, Boston
Member of staff from same faculty	Chairman with approval from Director	Dr. Saurabh Deo, Aalto University, Finland
Member Secretary		Asst. Prof. Apoorva Gijare
School Faculty Members		Asso. Prof. Parag Shelke Asso. Prof. Rupesh Gajbhiye Asst. Prof. Vaibhav Panchal Asst. Prof. Mandar Kulkarni Asst. Prof. Sugat Ingle

MIT ACADEMY OF ENGINEERING School of Design

MIT ACADEMY OF ENGINEERING School of Design

Board of Studies - School of Design

2022-23

Designation	Nomination	Members
Chairman		Prof. Avinash Bhalerao
Subject expert	Academic Council	Prof. Dhimant Panchal, MITID-Loni Prof. Sukanto Kundu, Avantika University-Ujjain Prof. Dr. Wricha Mishra, MITID-Loni
Expert	Vice Chancellor Nominee	Prof. Dr. Nachiket Thakur, Dir, MITID-Loni
Industry representative		Mr. Siddharth Kabra, Monsoonfish design, Pune Mr. Santosh Khawale, Intoit Solutions, Pune
Post graduate meritorious student		Mr. Amod Gijare, Forbes Marshall, Pune
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Member of staff from same faculty	Chairman with approval from director	Dr. Saurabh Deo, Aalto University, Finland
Member Secretary		Asst Prof. Apporva - Gijare
School Faculty members		Asso prof. Parag Shekle Asso Prof. Rupesh Gajabhiye Asst Prof. Vaibhav Panchal Asst Prof. Mandar Kulkarni Asst Prof. Sugat Ingle

MIT ACADEMY OF ENGINEERING School of Design

MIT ACADEMY OF ENGINEERING School of Design

MIT Academy of Engineering

School of Design

Board of Studies

2020-21

DESIGNATION	NOMINATION	MEMBER
Chairman	-	Prof. Dr. Nachiket Thakur, MIT ID
Subject Experts	Academic Council	Prof Dhimant Panchal, MIT ID
		Prof. Avinash Bhalerao, SoD, MIT AOE
		Dr. Debkumar Chakraborty, IIT Guwahati
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One member of staff of the same faculty	Chairman with approval from Director	Mr. Saurabh Deo, Aalto University, Finland
Member Secretary		Dr. Shilpi Bora (SoD, MIT AOE)

MIT ACADEMY OF ENGINEERING School of Design

MIT ACADEMY OF ENGINEERING School of Design

MOM-1

Format No. MITAOE/ACAD/HOD/24 Rev No. 01 Rev Date 01/06/2018

MIT Academy of Engineering (An Autonomous Institute)	MINUETES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
SCHOOL OF DESIGN	DATE	:	31-07-2019
	TYPE OF MEETING	:	BOS

Name of Attendee: Dr.Nachiket Thakur, Dr.Abhijeet Malage, Dr.Abhijeet Malage, Mr.Santosh Khawale, Mr.Amod Gijare, Dr.Shilpi Bora

Minutes of the Meeting: 01

Sr.	Minutes	Responsibility	Target Date
1	Academic mentor Prof Nachiket Thakur welcomed all BOS members and briefed the agenda of the meeting. He presented the curriculum structure of entire program for B Des (Product Design) and B Des (User Experience).	-	
2	Mr Siddharth Kabra expressed his view about curriculum that it should be run in common for three domains for first two years. Third year onwards students can make combination of PD/VC, UX/PD and UX/VC.Also Mr. Siddharth Kabra posed question about objective of this graduation program would be making students either ready for industry or for higher studies. Prof Nachiket Thakur responded that objective of this program is to groom students for both industry and higher studies.	-	
3	Mr. Amod Gijare insisted about dovetailing the projects of final year Design students with final year Engineering students. He has also suggested that the curriculum of B Des should be a balance of Design and Engineering so that design students should be able to dive dip into both design and engineering processes.	-	
4	Mr Santosh Khawale said that whole graduation journey should be divide into three stages. Phase I: Should be about gathering knowledge regarding use of tools and building skill set (Foundation). Phase II: Part I should be about taking them through the process of Design, Design Thinking and all explorations to inculcate habit. In Phase II part 2 should facilitate students to use the skills and tools learned towards the period for applying it to the chosen domain (Industrial, Visual, Communication, Interaction, Social and chosen context).Phase III: Should be focused on Industry orientation. Students should be made industry ready through Design Management, Project management etc.	-	
5	Prof Hari Kara said that the curriculum should be focused on Fundamental Knowledge, Problem thinking, Logical thinking and self-learning.	-	
6	Discussion was also made regarding minors like Experience Design, Space Design and Museum Design.	-	
7	Prof Nachiket Thakur had conveyed the members about agenda for next BOS meeting will be "Pedagogy." Also he concluded the meeting with formally thanking the members for sharing their valuable views and precious time.	-	

Prepared By	Verified By	Approved By
Nandini K.	Dr. S.B. Bora QA Coordinator	Dr. A. M. Malge BOS, Chairperson

MIT ACADEMY OF ENGINEERING School of Design

MOM-2

MIT | Academy of Engineering

MIT SCHOOL OF DESIGN

BOARD OF STUDIES (BoS)

Minutes of Meeting - 01

Date : 3rd November 2020	Time : 11 am	Venue : MS Teams- online

Members/Participants:

1. Dr. Mahesh Gaudar
2. Dr. Nachiket Thakur
3. Prof. Avinash Bhalerao
4. Prof. Hari kara
5. Dr. Abhijit Malge
6. Dr. Shilpi Bora
7. Mr. Siddhartha Kabra
8. Mr. Santosh Khawale
9. Mr. Amod Gijare

Agenda of the meeting –

1. Brief presentation on status of development of School of Design was given by Prof. Avinash Bhalerao & Dr. Nachiket Thakur.

2. Then forum was open for suggestions on School of Design, in general.

3. Communication course structure was presented with semester wise courses/subjects, its durations & credit system.

MIT ACADEMY OF ENGINEERING School of Design

MIT | Academy of Engineering

MIT SCHOOL OF DESIGN

The discussion and suggestions made during the meeting on communication design course structure –

1. To include 1 Graphic design & 1 UX design expert from MITID as BoS members.
2. To gradually introduce new technologies apart from printing in course structure like - Digital, 3D printing, printing on products and more.
3. To check the possibility of introducing UI-UX earlier in the syllabus, from 3rd or 4th semester (instead of present 5th semester)
4. To introduce Business aspects & early exposure to professional practices – interaction with marketing professionals and their way of conducting business; working with other developers and stakeholders.
5. Communication design to branch out in 3rd year as Communication design (as conventional Graphic design contents) or specialization in UXD.
6. Rational behind variations in proportions of Course duration - Credit ration needs to be established/worked out for more clarity.
7. Broadly the course structure with its existing contents are appropriate for implementation in curriculum.

Prof. Avinash Bhalerao

Head - School of Design

MIT ACADEMY OF ENGINEERING School of Design

MIT Academy of Engineering (An Autonomous Institute Affiliated to Savitribai Phule University)	MIT SCHOOL OF DESIGN
B. Des Foundation -2021- 22	Second Semester
Course Name: Digital Tools	Course Code: SE21FD201

Methodologic to support weak Students and Encourage bright students

Bright and Weak Students are identified based on their academic Course wise Internal Assignments and performance

- The students are encouraged to present their work to internal Faculty jury members and give them extra time to rework on their weak assignments.
- Encourage students to do more explorations based on course learning

Case Study of Analysis of Weak and Bright Students

After the Course end all the internal assignments were evaluated based on Objectives and Course outcome parameters. The overall course result obtained is shown below. The students scoring greater than equal to 66 marks were considered as bright students and students scoring below 40 marks were considered weak students who require guidance for that particular course. The students securing marks in between 41 to 64 are considered average students.

Total No of Students Appeared: - 56

Sr. No.	Student	Total	Average	
		620	**75**	
1	Adarsh	507.5	61	Average
2	Aditya	136	16	Weak
3	Allen	370	45	Average
4	Amrut	473	57	Average
5	Anannya	448	54	Average
6	Anchita	446	54	Average
7	Anmol	347	42	Average
8	Anushka	438	53	Average
9	Arora Riddhi	462	56	Average
10	Arti	448	54	Average
11	Arya	460	56	Average
12	Atharva	428	52	Average
13	Bhangale Mayur	511	62	Average
14	Bhavya	536	65	Average

15	Christopher	502	61	Average
16	Devika	507	61	Average
17	Dishant	347	42	Average
18	Georgina	415	50	Average
19	Himanshu	442	53	Average
20	Hiten	525.5	64	Average
21	Honey	494	60	Average
22	Isha	331	40	Weak
23	Iyer, Shruti	493	60	Average
24	Janhavi	494.5	60	Average
25	Jiya	492	60	Average
26	Lakhi	430	52	Average
27	Mahika	472	57	Average
28	Nambiar, Vaishnav	522	63	Average
29	Namrata	392	47	Average
30	Padmakaar	558.5	68	Bright
31	Parnavi	340.5	41	Weak
32	Pranmya	352	43	Average
33	Pratik	484	59	Average
34	Priyanka	538.5	65	Average
35	Rishi	513.5	62	Average
36	Roli	450	54	Average
37	Ruchita	60	7	Weak
38	Rushikesh	487	59	Average
39	Rutuja	311	38	Weak
40	Saraswati	347.5	42	Average
41	Sejal	484	59	Average
42	Shantanu	366	44	Average
43	Shaunak	445	54	Average
44	Shravani	377	46	Average
45	Shreya Medhekar	415	50	Average
46	Shreya Maurkar	479	58	Average
47	Shreyash	471	57	Average
48	Shubham	500.5	61	Average
49	Sidhika	474	57	Average
50	Sneha	483	58	Average
51	Suhas	461	56	Average
52	Sushant	439.5	53	Average
53	Swarup	485	59	Average
54	Trushna	495	60	Average
55	Vaishnavi	385	47	Average
56	Yash	451	55	Average

Bright	1
Average	49
Weak	5

Parag Shelke
HOD

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USER EXPERIENCE DESIGN

S. Y. BDES SYLLABUS (SEM II)

Compiled by Asst. Prof. Apoorva Gijare

OVERVIEW

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SEMESTER 2 : 2nd Year UXD						
Sr. No.	Course Code	Course Title	Duration (hours)	Total Credit	Credit Distribution	Course Category
1	GUDC401	User Experience Design Methods	180	6	2-2-2-0	L-T-P-0
2	GUST402	Cognitive Ergonomics: Tools & Techniques	150	5	2-1-2-0	L-T-P-0
3	GUDC403	User Study	120	4	1-1-2-0	L-T-P-0
4	GUPR404	Trends in Interactive Technologies	60	2	1-1-0-0	L-T-P-0
5	GUST405	Task Analysis and System Visualisation	90	3	1-0-2-0	L-0-P-0
		Total	600	20		

1	GUDC401	User Experience Design Methods	180	6	2-2-2-0	L-T-P-0

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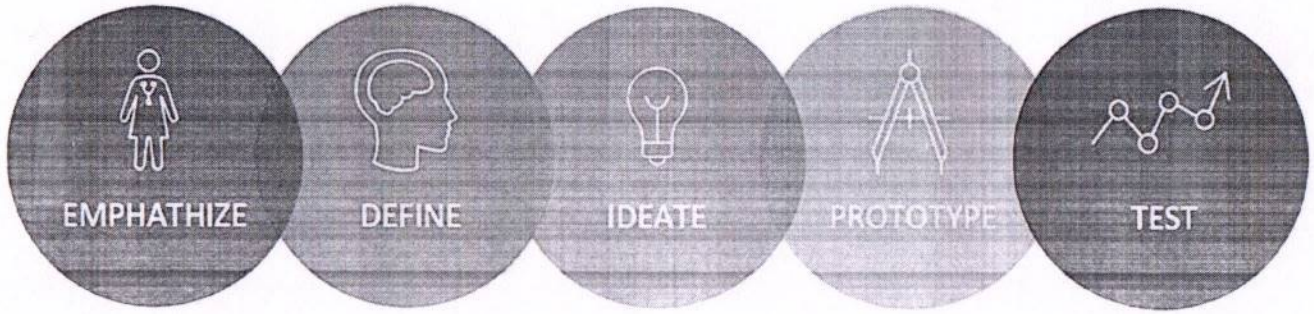
In this course students will

- Apply different Design Methodologies in the generation of product ideas.
- Debate / discuss on Issues in Design as social responsibility.
- Design and development to the level of a prototype, of a product / tool
- design a simple product /communication design taking processes, situations and needs into consideration along with design documentation & presentation will be carried.

OBJECTIVES

The objective of this project is to study specific practices and tools of the trade. On the basis of this study, the scope of design and technology intervention will be explored to identify and design new and novel products that meet contemporary needs of users.



1	GUDC401	User Experience Design Methods	180	6	2-2-2-0	L-T-P-0

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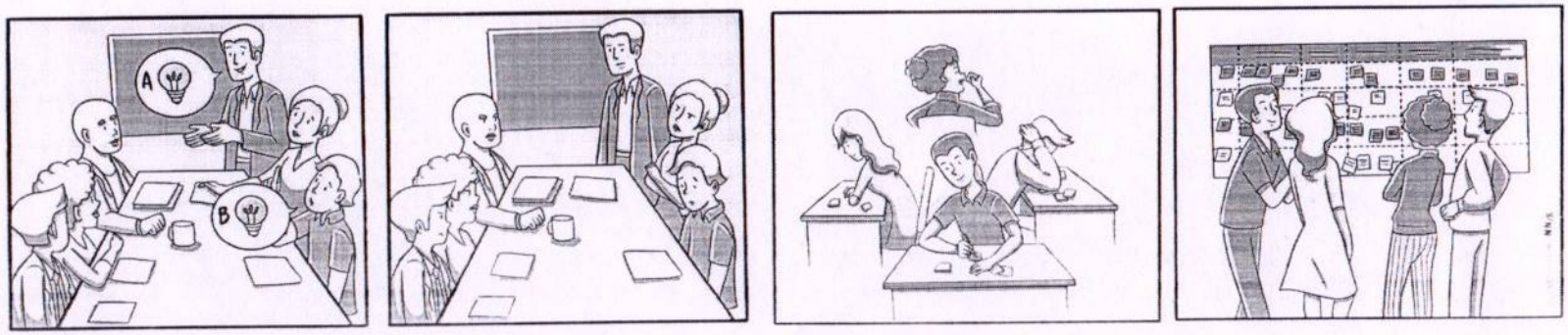
CONTENTS

Introduction to the different design methodologies in problem solving: perception of the problem, broad based investigation and analytical techniques, synthesis and idea generation techniques, their development into tangible design solutions and communication of the same.

Transformation: Methods of exploring, problem structure, Interaction matrix, system transformation, Innovation by boundary shifting, Functional Innovation,

Divergence: Methods of Exploring Design situations - Literature searching, Interviewing users, questionnaires, Investigating User behaviour, Data Assimilation.

Convergence: Methods of Evaluation – Checklists, Selecting Criteria, Ranking and weighing, Specification writing. Case study presentations on design of simple UX product design projects



2	GUST402	Cognitive Ergonomics: Tools & Techniques	150	5	2-1-2-0	L-T-P-0

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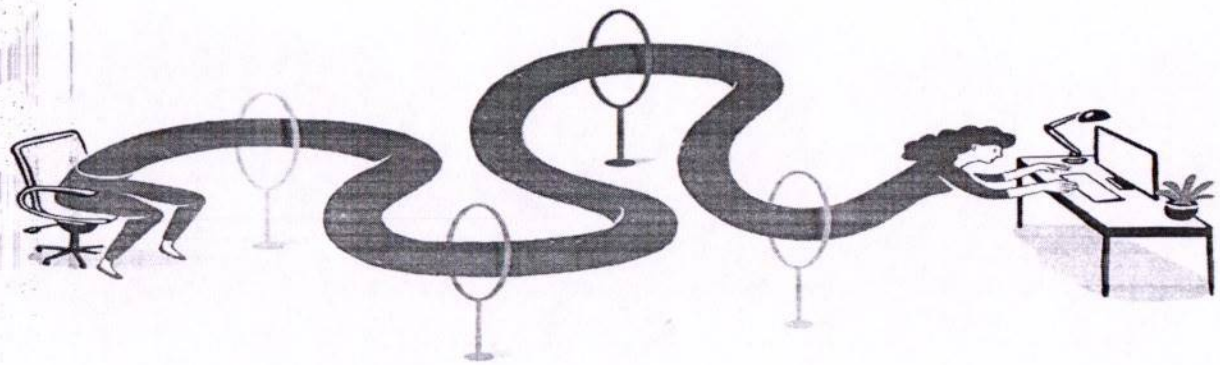
The course will cover

- Advanced **cognitive human factors** and its implication on user experience design.
- Different **theories and techniques** of cognitive ergonomics.
- **Cognitive and psychophysiological aspects of design**.
- Design projects using **principles** & **methods** of cognitive ergonomics.

OBJECTIVES

- To know various techniques for interpreting cognitive factors for delightful user experience.
- To gain theoretical and practical knowledge on cognitive ergonomics.
- To pursue the novel and innovative design project using principles of cognitive ergonomics.



2	GUST402	Cognitive Ergonomics: Tools & Techniques	150	5	2-1-2-0	L-T-P-0

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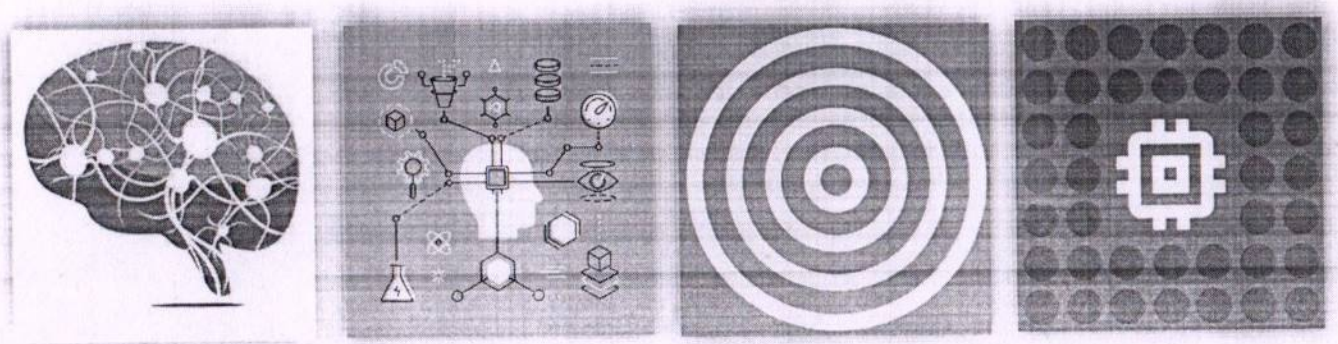
CONTENTS:

1. **Introduction** Cognitive Ergonomics & Cognitive Engineering: Definition, History and Allied disciplines of Cognitive Ergonomics
2. **Psychological** & **Physiological aspects** of Human Computer Interaction (**HCI**)
3. **User Mental Models** and **Methods of Task Analysis**
4. **Hick's Law** and **Fitt's Law** : Application in User Experience Design
5. Application of **Principles** of Human Cognition & Information Processing
6. **Human Emotion** & Affective User Experience Design; **Affective Engineering Techniques**
7. **Human Reliability** and **Human Errors in Different Task Context**
8. **Neurocognitive Evaluation Techniques**
9. **Cognitive Engineering**: Audits and Case Analysis
10. **Project Work** on application of Cognitive Ergonomics on Product/ System/ Interaction Design.



3	GUDC403	User Study	120	4	1-1-2-0	L-T-P-0

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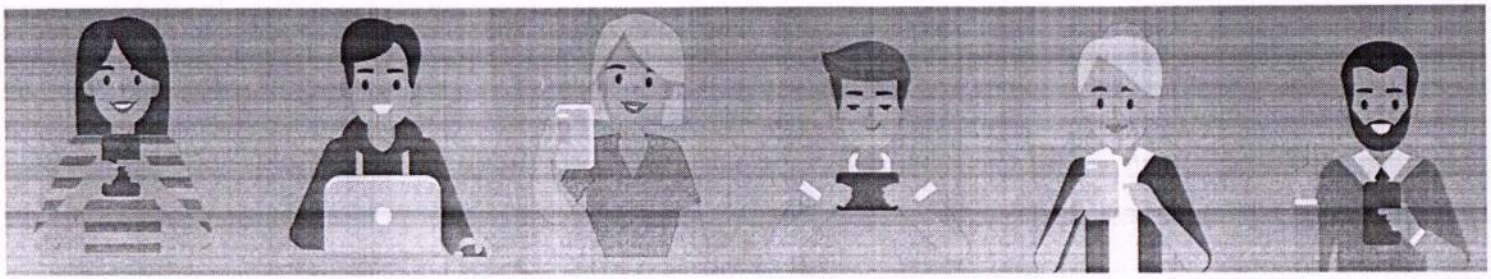
Consumer/ user behaviour is changing day by day with new technological adaptation. Therefore, user study is one of the key curriculums of user experience design. To understand the user behaviour in a constructive and scientific way, student needs to learn about the **data collection techniques**.

This course will be fruitful in the following ways: **design problem identification**, and **design problem definition** in a better/**systematic way**. This course will also motivate design students toward **design user research** and **academic practices**.

OBJECTIVES

- To learn different **types** of **user data collection techniques**.
- To **apply** user data collection **techniques** during **design projects**.
- To gain **theoretical** and **practical knowledge on user data collection techniques** and its **application** in user experience design.



3	GUDC403	User Study	120	4	1-1-2-0	L-T-P-0

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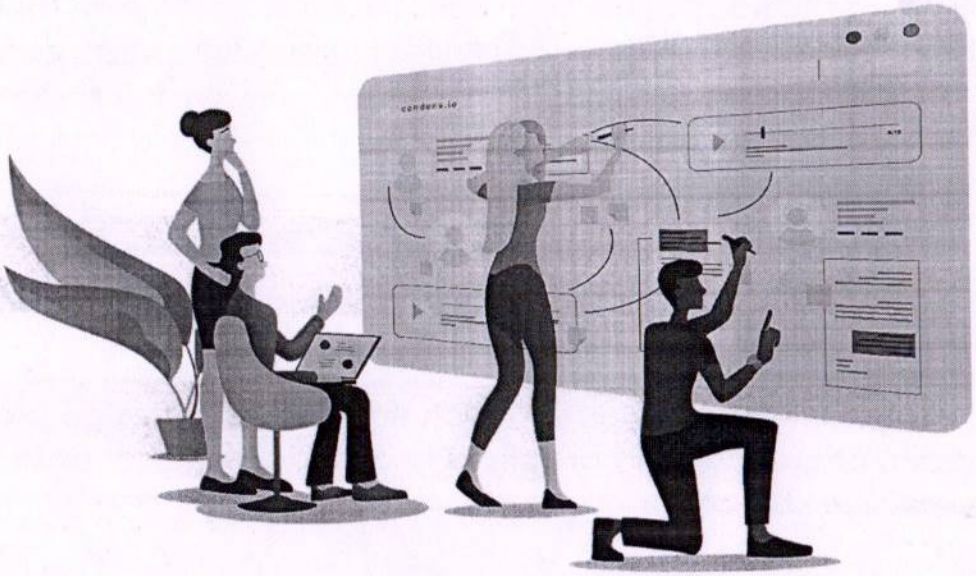
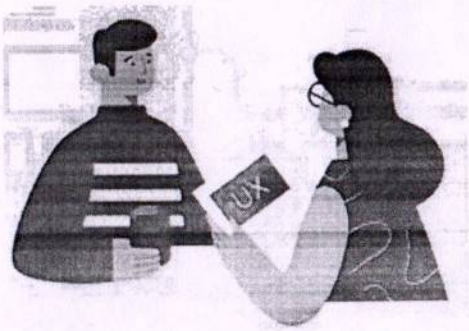
CONTENTS

1. Introduction to User Study
2. Types of User Study: Qualitative and Quantitative Techniques
3. User Group Segmentation
4. Sample Design for User Study
5. Qualitative and Quantitative methods for user data collection
6. Focus Group
7. Grounded Theory and Affinity Mapping
8. Think-Aloud Protocol
9. Question-Asking
10. Co-Discovery
11. Performance Measurement Techniques
12. Psychophysiological Measurement Techniques
13. Questionnaires
14. Interviews
15. Ethnography
16. Self-Reports
17. Inspection
18. User Diary and Identification of Touch Points





4	GUPR404	Trends in Interactive Technologies	60	2	1-1-0-0	L-T-P-0

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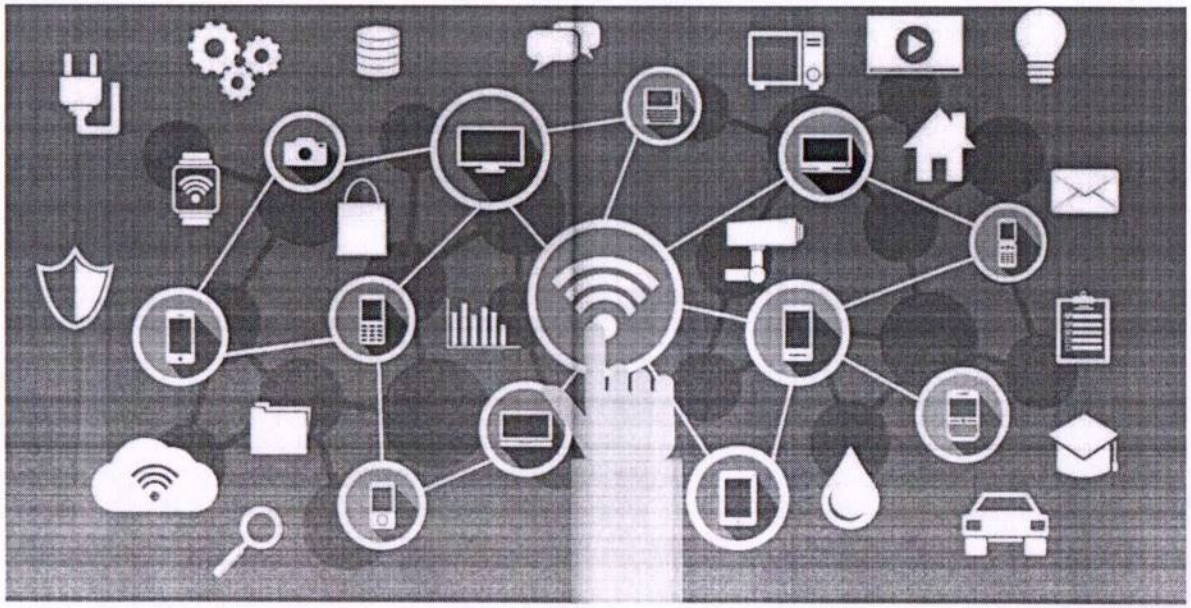
Current trends of interaction design and interactive technologies will help students to develop and implementation of new ideas of interactive system design. Students will be encouraged to submit a project on conceptualization of new interaction modality and to study the feasibility of implementation of new interactive technologies, as an outcome of this course.

OBJECTIVES

- To learn about current interactive technologies.
- To have knowledge about past, present and future of interaction.
- To explore and conceptualize new interactive technologies.
- To study feasibility of new way of human computer interaction



4	GUPR404	Trends in Interactive Technologies	60	2	1-1-0-0	L-T-P-0

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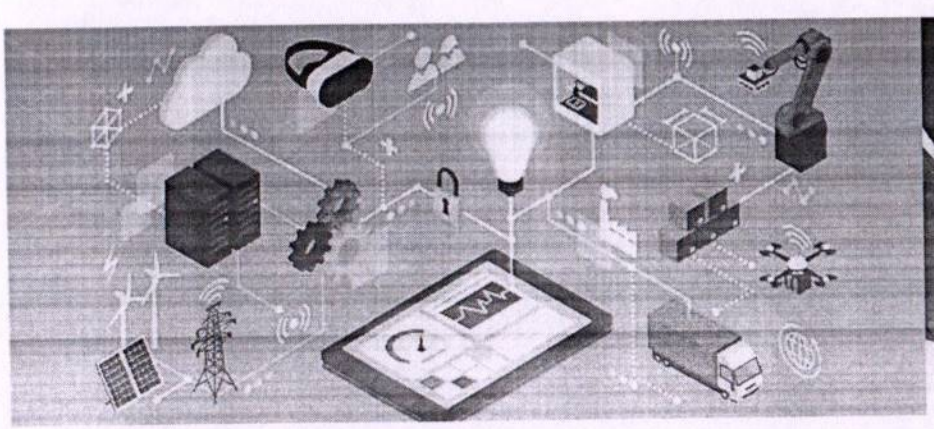
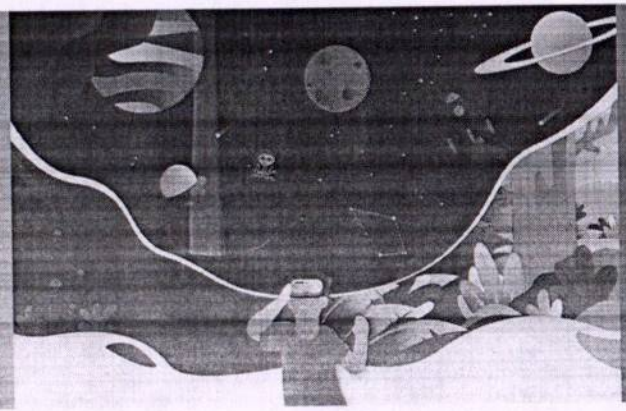
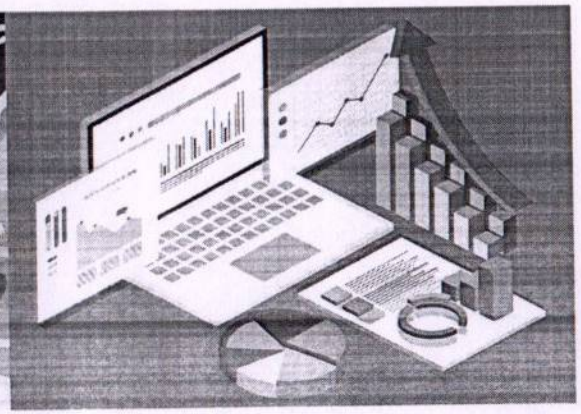
CONTENTS

1. Trend Analysis Protocol: Past, Present and Future Interactive Technologies
2. Modes of Interactions with Interfaces
3. Types of Navigation Into Interfaces
4. Internet of Things (IOT)
5. Tangible Interfaces and Wearables
6. Virtual Reality and Related Interaction Modalities
7. Augmented Reality based Interfaces
8. Robotics in Interaction with Interfaces
9. Micro-Interaction Vs. Macro-Interaction

5	GUST405	Task Analysis and System Visualisation	90	3	1-0-2-0	L-0-P-0

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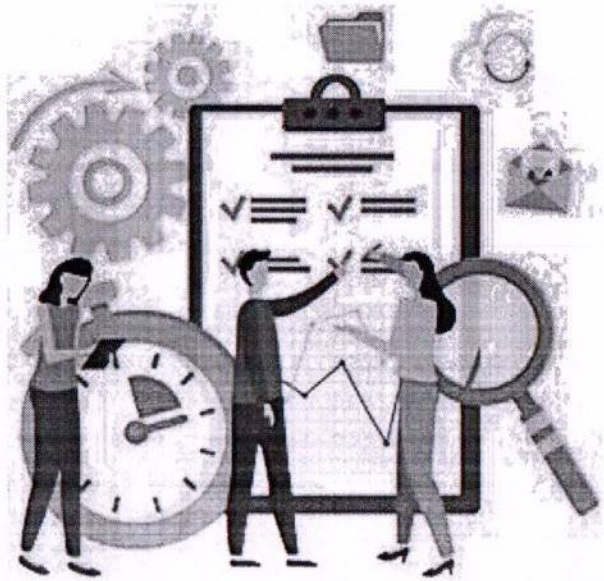
This course teaches

- The evolutionary development approach of software and interaction design using diagrams of the system. representation
- The software design methodologies using multiple configurations, inheritance, the reusability principle, analysis of requirements of users.
- The process of Object Finding Analysis, and the writing of the solution statistical models, dynamic models, and design patterns.
- Understand conversion of user task into software modelling, system analysis, system visualization and system design.



OBJECTIVES

- To gain knowledge and confidence in **creating design representations** for any **computational system**.
- To learn **process** and **methods** for **system design**.
- To learn **visualization of system concept** using different **diagrams** which will help designers to communicate with computer engineers
- To gain **theoretical** and **practical knowledge** about **system analysis** and **information design**.
- To find out **scopes/ applications** for **system analysis** and **information design**.

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5	GUST405	Task Analysis and System Visualisation	90	3	1-0-2-0	L-0-P-0

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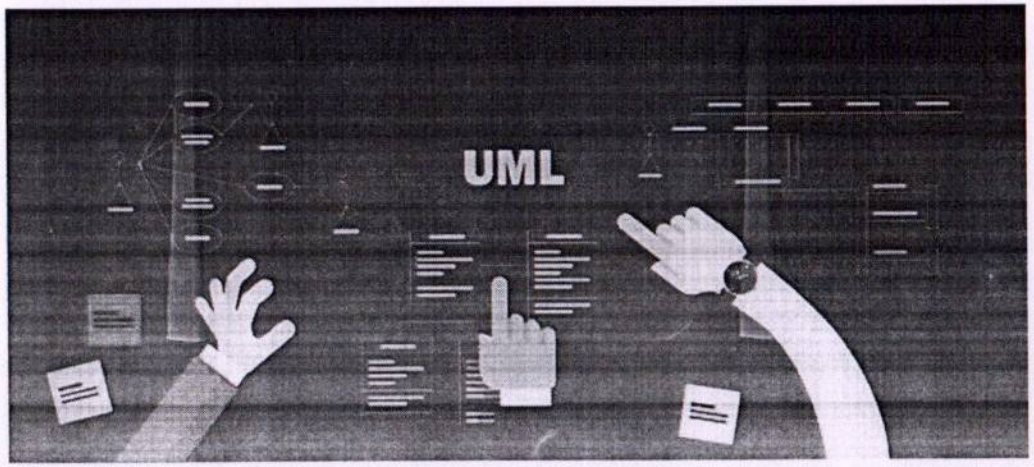
CONTENTS

1. Need for UML and Introduction to Different UML Diagrams
2. Understanding Relationships - generalization, dependency, association, multiplicity, aggregation, modelling these relationships
3. UML Diagrams showing Static View - Use Case Diagram; Component Diagram; Object Diagram; Deployment Diagram; Class Diagram.
4. UML Diagrams showing Dynamic View of a System - Collaboration Diagram; Activity Diagram; Sequence Diagram; State Chart Diagram
5. Case Study - Designing UML diagrams for a case study and deriving classes and objects from UML Diagrams.



MOM -1

Format No. MITAOE/ACAD/HOD/24 Rev No. 01 Rev Date 01/06/2018

MIT Academy of Engineering (An Autonomous Institute)	MINUETES OF MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2019-20
	DATE	:	31-07-2019
SCHOOL OF DESIGN	TYPE OF MEETING	:	BOS

Name of Attendee: Dr.Nachiket Thakur, Dr.Abhijeet Malage, Dr.Abhijeet Malage, Mr.Santosh Khawale, Mr.Amod Gijare, Dr.Shilpi Bora

Minutes of the Meeting: 01

Sr.	Minutes	Responsibility	Target Date
1	Academic mentor Prof Nachiket Thakur welcomed all BOS members and briefed the agenda of the meeting. He presented the curriculum structure of entire program for B Des (Product Design) and B Des (User Experience).	-	
2	Mr Siddharth Kabra expressed his view about curriculum that it should be run in common for three domains for first two years. Third year onwards students can make combination of PD/VC, UX/PD and UX/VC.Also Mr. Siddharth Kabra posed question about objective of this graduation program would be making students either ready for industry or for higher studies. Prof Nachiket Thakur responded that objective of this program is to groom students for both industry and higher studies.	-	
3	Mr. Amod Gijare insisted about dovetailing the projects of final year Design students with final year Engineering students. He has also suggested that the curriculum of B Des should be a balance of Design and Engineering so that design students should be able to dive dip into both design and engineering processes.	-	
4	Mr Santosh Khawale said that whole graduation journey should be divide into three stages. Phase I: Should be about gathering knowledge regarding use of tools and building skill set (Foundation). Phase II: Part I should be about taking them through the process of Design, Design Thinking and all explorations to inculcate habit. In Phase II part 2 should facilitate students to use the skills and tools learned towards the period for applying it to the chosen domain (Industrial, Visual, Communication, Interaction, Social and chosen context).Phase III: Should be focused on Industry orientation. Students should be made industry ready through Design Management, Project management etc.	-	
5	Prof Hari Kara said that the curriculum should be focused on Fundamental Knowledge, Problem thinking, Logical thinking and self-learning.	-	
6	Discussion was also made regarding minors like Experience Design, Space Design and Museum Design.	-	
7	Prof Nachiket Thakur had conveyed the members about agenda for next BOS meeting will be "Pedagogy." Also he concluded the meeting with formally thanking the members for sharing their valuable views and precious time.	-	

Prepared By	Verified By	Approved By
Nandini K.	Dr. S.B. Bora QA Coordinator	Dr. A. M. Malge BOS, Chairperson

ACADEMY OF ENGINEERING MIT School of Design

MOM-3

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BOARD OF STUDIES (BoS) - 02

Minutes of Meeting

Date : 29th April 2021	Time : 10:30 am	Venue : google meet - online

Members/Participants:

1. Dr. Mahesh Gaudar
2. Dr. Nachiket Thakur
3. Prof. Avinash Bhalerao
4. Dr. Wrich Mishra
5. Asst Prof. Apoorva Gijare
6. Asst Prof. Vaibhav Panchal
7. Asst. Prof. Mandar Kulkarni
8. Mr. Siddhartha Kabra
9. Mr. Amod Gijare

Agenda of the meeting –

1. Updated the status of development of School of Design
2. Academic progress of First batch 2020 and Semester 1
3. Briefed on New pedagogy and new approach MITSD is working on for next batch 2021.
4. Second year specialization - syllabus confirmation from members on product design, Communication design & User Experience Design.

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The discussion and suggestions made during the meeting on –

1. To include **Need finding** aspects in the course title - Research Methods. As research is becoming critical part of product development it is important that students are introduced and made aware about its importance and critical role it can play in initial phase of design. To include various ways/techniques/methodologies like AEIOU as course content.
2. Minimum **2 week course duration** - Instead of having more courses/subjects with few credits, it will be good to have elaborate course contents that should include more. Through the experience and observation, it takes some time to sensitize students & understand the subject. So giving more time for one subject will help absorb info well.
3. To include **sustainability** in courses- it could be various aspects, or appropriate course content.
4. **Cognitive ergonomics** to be given more importance along with physical ergonomics.
5. **Categorizing/restructuring** of course contents based on Fundamentals, Skills based, application-based subjects. And also, to look at credit distribution accordingly.
6. To **present complete picture** of courses/contents of essential, optional, electives so that students are aware and better prepared to decide their path forward.
7. To **include Business aspects**-like business, its economics, & value in design curriculum. Its contents and application should be evident in assignments, mini projects & projects that students take up.
8. Distributing these business aspects appropriately in the syllabus of 1st to 4th years needs to be explored first.
9. As the new design school setup is coming up with new approach, we will require input, validations, suggestions from BoS members on regular basis, apart from formal BoS meeting days.
10. We intend to have communication over email to get input on ongoing/infra building from BoS members.

Prof. Avinash Bhalerao

Dean – MIT School of Design

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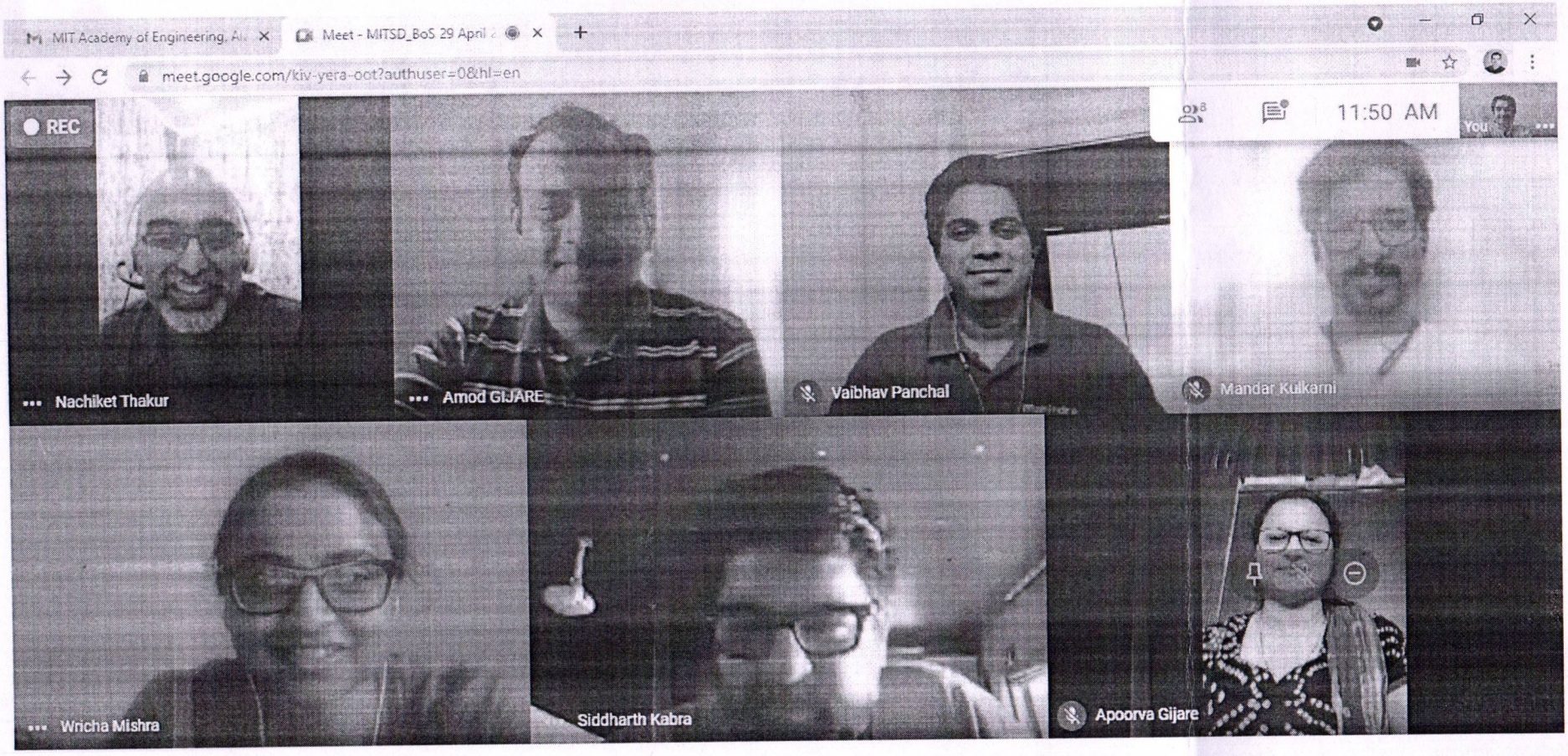

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MOM-5

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BOARD OF STUDIES (BoS) – 034

Minutes of Meeting

Date : 29th November 2022	Time : 10:30 am	Venue : google meet – online

Participants:

BOS Members

1. Dr.Nachiket Thakur
2. Mr.Siddhartha Kabra
4. Mr.Amod Gijare
5. Dr.Sourabh Deo
6. Mr.Santosh Khawale

Faculty/Staff Participants

1.Mr.Avinash Bhalerao
2.Mr.Rupesh Gajbhiye
3.Mr.Parag Shelke
4.Mr.Vishal Jagtap
5.Mr.Ramesh Mamdapurkar
6.Mrs.Apoorva Gijare
7.Mr.Vaibhav Panchal
8. Mr.Mandar Kulkarni
9. Mr.Sugat Ingle
10.Mrs.Dipti Bhosale
11.Mrs.Chetna Thakre
12.Mr.Vaibhav Lothe
13.Mrs.Barkha Marathe
14.Ms.Charu Sharma
15.Mrs.Nandini K

Agenda of the meeting –

1. Academic updates
2. Over all course structure
3. Semester 6th Course contents

The discussion and suggestions made during the meeting on – (Action taken discussed in brief)

1. Academic updates given by Avinash Bhalerao, Dean, School of design.
   Foundation course NEW structure seems well rounded and covered everything. Study type work for students and exposure to physical and digital technologies around.
2. List of books and blogs: It is process to figure out.
3. UX- Can include electives like typography/Digital illustration which can help strengthen UI side of the students: Typography is included, also digital illustration part of course.
4. CD-introduction to UI-UX whether need more time or divide into 2 Sem:Wricha
5. PD – what are the methods though in HPP: it should be cover- Basic observation skills, visual interface design, HTA, error analysis- as basic checklist / basic methods: Wricha: Completed for PD Sem 4
6. UX- It might be useful to select areas of intervention like healthcare, EDTECH, FINTECH so that students can focus in research: Siddharth : Will be included in SEM 6 & 7 .
7. UX- Above point will also allow them to work on craft part equally well like visual design, micro interaction, motion design. etx, : Siddhartha : This will be included in sem 6th and 7th
8. PD- In form transition course, aspect of symbolism is important, that will be more relevant for students to understand the topic.

PD : Workshop technology covered new technology: Amod : Product semantics in sem 5 & 3D printing from this semester.

9. PD – Cognitive ergonomics has too many things in one course. Amod : completed for PD sem 4.
10. Collaborative roles are interdisciplinary where students will see their role in a better way and better idea about real life project and their role.
11. PD- to design products for some context / environment like public places/ hospitals (planning things in system design, space design, other projects)
12. To give over all course structure for 3yrs for all discipline.
13. Review taken on overall course structure for PD/CD/UX by Dean,
14. Overall Course structure review done for PD/CD/UX by Avinash Bhalerao/ Rupesh Gajbhiye/Apoorva Gijare.

Prof. Avinash Bhalerao
Dean – MIT School of Design

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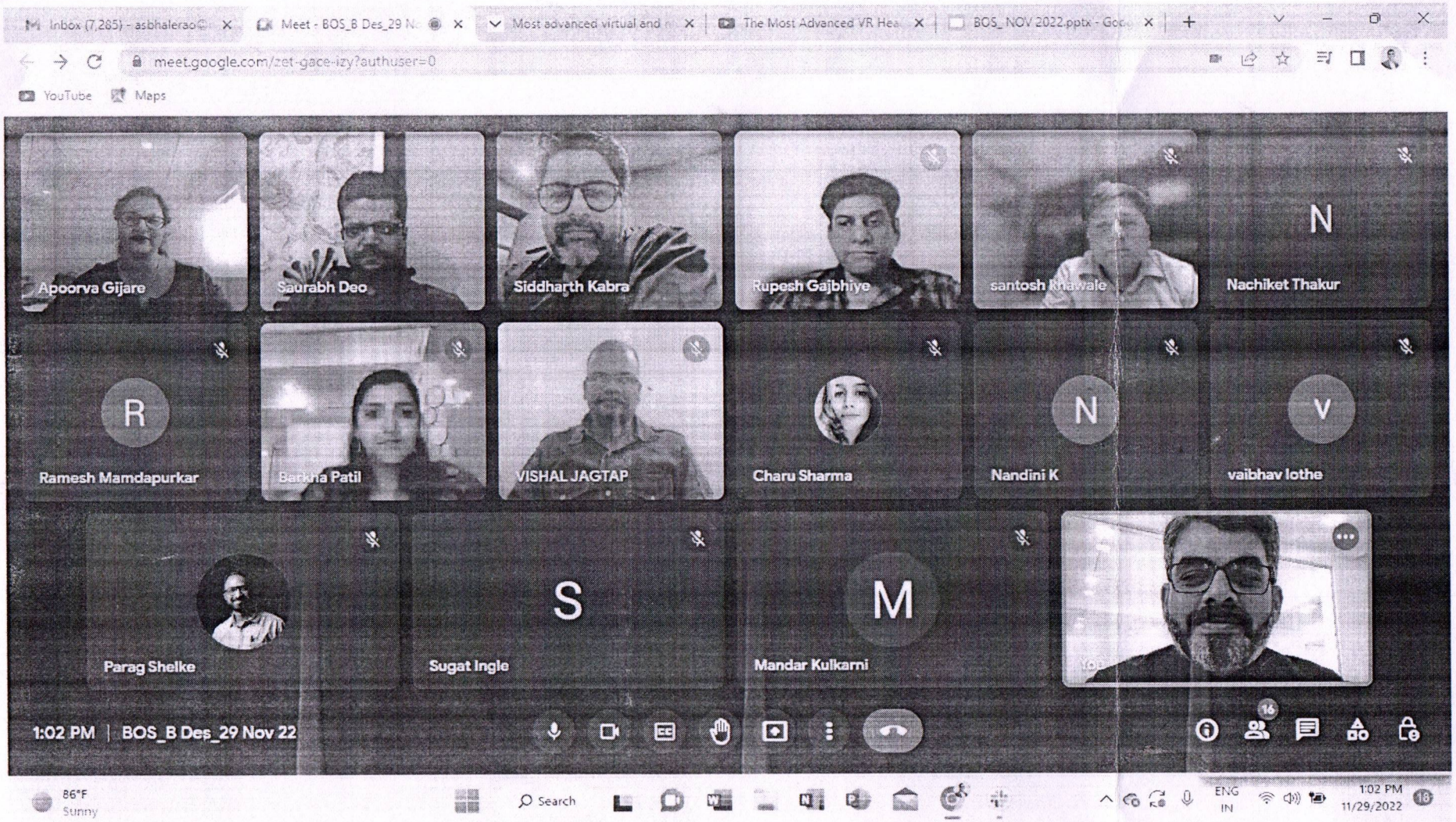

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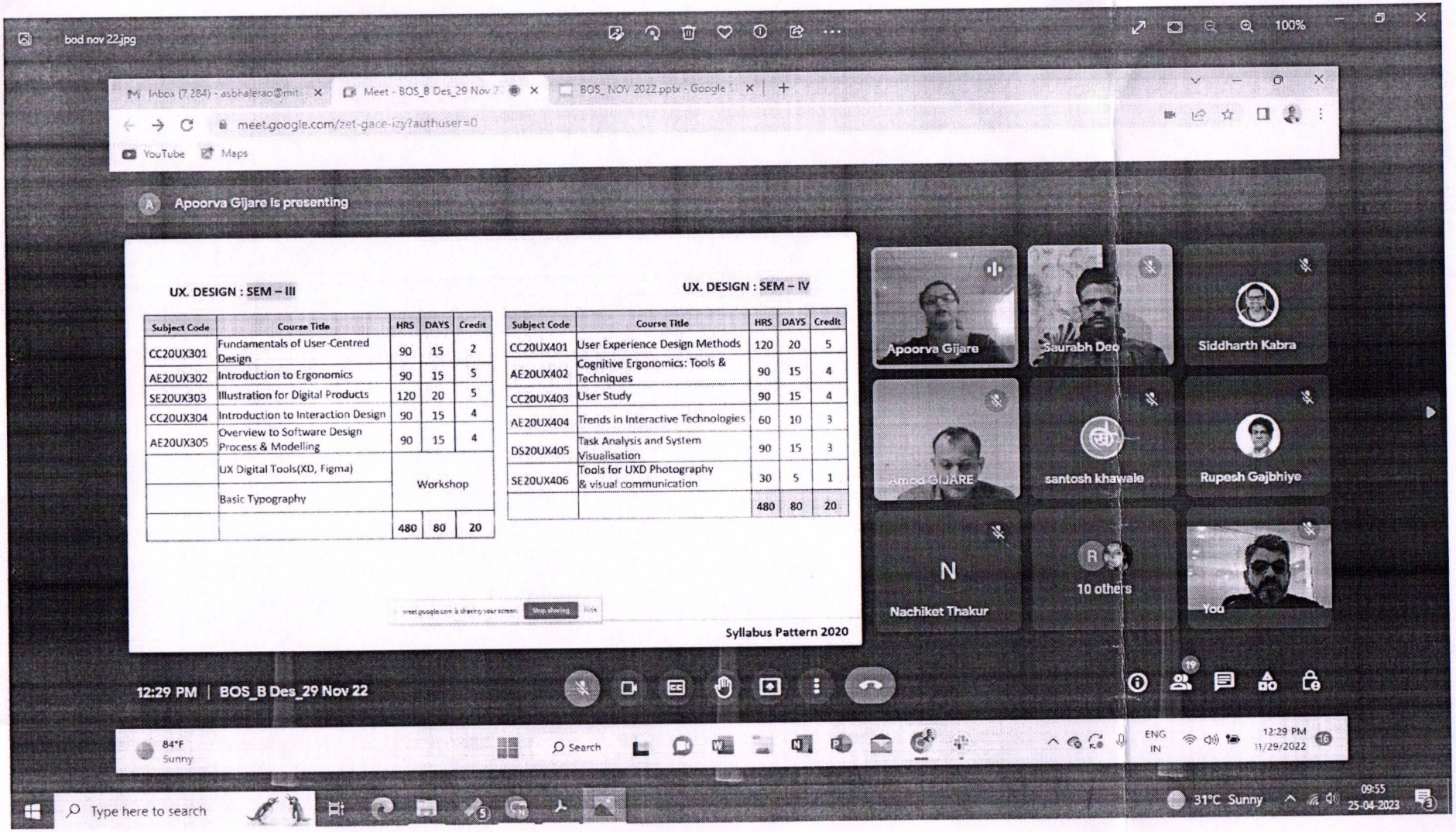

Subject Code	Course Title	HRS	DAYS	Credit
CC20UX301	Fundamentals of User-Centred Design	90	15	2
AE20UX302	Introduction to Ergonomics	90	15	5
SE20UX303	Illustration for Digital Products	120	20	5
CC20UX304	Introduction to Interaction Design	90	15	4
AE20UX305	Overview to Software Design Process & Modelling	90	15	4
	UX Digital Tools(XD, Figma)	Workshop		
	Basic Typography			
		480	80	20

Subject Code	Course Title	HRS	DAYS	Credit
CC20UX401	User Experience Design Methods	120	20	5
AE20UX402	Cognitive Ergonomics: Tools & Techniques	90	15	4
CC20UX403	User Study	90	15	4
AE20UX404	Trends in Interactive Technologies	60	10	3
DS20UX405	Task Analysis and System Visualisation	90	15	3
SE20UX406	Tools for UXD Photography & visual communication	30	5	1
		480	80	20

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