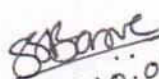

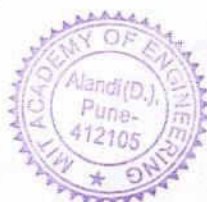


MIT Academy of Engineering (An Autonomous Institute)	MEETING AGENDA	
Alandi (D), Pune - 412 105	ACADEMIC YEAR	: 2021-2022
ACADEMIC COUNCIL MEETING	DATE	: 16 June 2022
	MEETING NO.	: AC/2022/01/13
<p>ACADEMIC COUNCIL MEETING</p> <p>Day and Date: 16 June 2022</p> <p>Time: 1.30 PM</p> <p>The agenda for the same is as follows:</p> <p style="background-color: yellow;">AGENDA</p> <ol style="list-style-type: none"> 1. Opening remarks by the Chairman. 2. Confirmation of the minutes of the previous meeting no. AC/2021/02/12 and Action Taken Report. 3. To review and approve the revised Vision and Mission of the Institute. 4. To review and approve Academic Term Planning for 2022-2023. 5. To review and approve the Under Graduate B. Tech Programme-wise Revised Structure 2019 Pattern (Final Year) and Course Curriculum 2022-2023. 6. To review and approve TY B.Des Curriculum structure and courses for Academic Year 2022-2023. 7. To review and approve the proposed revision of First-Year Curriculum Structure 2022-2023. 8. To review and approve the examination mode of conduct and schedule for 2022-2023. 9. Any other related point presented by the members. 		

Prepared By	Verified and Approved By
Dr. Sunita S. Barve  10.06.2022 Member Secretary, Academic Council	Dr. Mahesh Goudar  Chairman, Academic Council



MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU	MINUTES OF THE MEETING		
Alandi (D), Pune - 412 105	ACADEMIC YEAR	:	2021-2022
ACADEMIC COUNCIL MEETING	DATE	:	16 June 2022
	MEETING NO.	:	AC/2022/01/13
<p>The thirteenth meeting of the Academic Council (AC) was held on 16 June 2022 at 1.30 p.m., in the Old Conference, MIT Academy of Engineering, Alandi (D), Pune. Dr. Mahesh Goudar, Chairman presided over the meeting and the following members attended the meeting,</p>			
<ol style="list-style-type: none"> 1. Dr. Aditya Abhyankar 2. Dr. D. S. Bormane 3. Dr. Suresh Gosavi 4. Dr. M.Sasikumar 5. Kumar Goud Mulemane 6. Mr. Om Dhumal 7. Mr. Pravin Kolhe 8. Dr. B. B. Waphare 9. Dr. Sunita S. Barve 	<ol style="list-style-type: none"> 10. Mr. Senthil Kumar 11. Mrs. Ranjana Badre 12. Dr. Dipti Sakhare 13. Dr. Prafulla Hatte 14. Dr. Shyam Shukla 15. Mr. Avinash Bhalerao 16. Mr. Sunilkumar Bhagat 17. Dr. Arika Kotha 18. Dr. Abhijeet Malge 19. Mr. Dilip Panchal 		
<p>In addition to the above members, the following also attended the meeting,</p> <ul style="list-style-type: none"> ● Dr. Satish Gajbhiv <p>The leave of absence was granted to the following members,</p> <ul style="list-style-type: none"> ● Dr. S. P. Mahajan, ● Dr. Shitalkumar Jain, ● Mrs. Prabha Kasliwal. 			



Sr. No.	Minutes
1.	<p>At the outset of the meeting following new Academic Council Members were welcomed and felicitated by Dr. Mahesh Goudar, Director, MITAoE. They were introduced by the respective School Deans.</p> <ol style="list-style-type: none"> I. Dr. M. Sasikumar, Director, C-DAC, Mumbai II. Kumar Goud Mulemane, Director, Chemical Technology Solutions, Thane III. Mr. Om Dhumal, AGM- Operations, Knorr Bremse AG, Pune IV. Dr. S. P. Mahajan, Electronics and Telecommunication, Head of the Department, COEP, Pune V. Mr. Pravin Kolhe, Superintending Engineer, Water Resource Department, Maharashtra
2.	Dr. Sunita Barve, Member Secretary of the Academic Council discussed the agenda of the meeting AC/2022/01/13.
3.	Dr. Mahesh Goudar, Director, MITAoE commenced the meeting with his opening remarks. He briefly reviewed the academic transformation and progress of MITAoE after the autonomy from 2016 till the present day. He extended the best practices followed at MITAoE since Autonomy.
4.	The Minutes of the Meeting of the AC/2021/02/12 dated 07 December 2021 and the Action Taken Report were presented by Dr. Sunita Barve and confirmed by the Academic Council Members.
5.	<p>The Vision and Mission of the institute were proposed by Prof. S. M. Bhagat for approval and valuable suggestions from the Members of the Academic Council. The following points were suggested to be considered in framing the Vision and Mission of the institute:</p> <ol style="list-style-type: none"> I. Supporting Engineering and Entrepreneurship to generate more Entrepreneurs and Job opportunities. II. Various managerial skills shall be considered for framing Mission Statement. Academics and Research can be oriented towards ecology and techno- society etc. and shall be reflected in these statements.



	<p>III. Advanced pedagogy to be adopted for the enhancement of Teaching-learning process.</p> <p>IV. Mission statements should be ordered in the following manner as per their significance.</p> <p>A. To promote ethical and moral values by involving students into community services.</p> <p>B. To prepare students for lifelong learning by transforming educational practices.</p> <p>C. To promote entrepreneurship and managerial skills by strengthening industry-institute interaction.</p> <p>D. To provide state of art infrastructural facilities to produce competitive engineering professionals.</p> <p>Responsibility: Registrar and Dean, Quality Assurance.</p>
6.	<p>Dr. Sunita Barve presented the semester-wise Academic Term planning for the Academic Year, 2022-23 and it was unanimously approved by all panel members.</p> <p>Responsibility: Deputy Director Academics and Schools Deans.</p>
7.	<p>Credit distribution of the revision 2019 was discussed and approved. The following points were suggested for consideration.</p> <p>I. In addition to foreign languages like German and Japanese offered by School Humanities and Engineering Sciences, Spanish and Chinese languages should be taught in view of global prospects of career development and entrepreneurship. It is suggested to study top business languages of the world.</p> <p>II. Students' political knowledge needs to be enhanced either by conducting expert sessions or by adding this track in the Liberal Learning course or in any suitable course.</p> <p>III. In the three-term Projects from semesters V to VII, the titles shall be assigned as per the defined contents and phases of the project.</p> <p>IV. Discipline Elective courses of Semester VIII can be offered through the SWAYAM platform as per the credit transfer scheme. All schools shall identify the SWAYAM courses offered in Term I and II for the Academic Year 2022-2023 for transferring the credits of the Discipline Elective. It</p>



	<p>is suggested to appoint a faculty mentor/coordinator for all such courses. It is advised to design Standard Operating Procedure for Swayam Credit Transfer Scheme for all programs. Full support shall be provided to the students for the successful completion of the course.</p> <p>V. As the Open Elective Specialization Tracks are the Emerging Areas of Engineering, the concerned faculty members' team needs to be trained and retrained for improving their competency.</p> <p>VI. Regarding Honors and Minor Degree courses, it is required to create awareness of these courses and their importance and detail process to the students and faculty members. The selection criteria or merit threshold for Honors' Degree and Minor Degree courses has to be determined as per the statistical information of the result. It is recommended to offer these courses exclusively to academically elite students.</p> <p>Responsibility: Deputy Director Academics and Schools Deans.</p>
8.	<p>The Under Graduate B. Tech Programme-wise Revised Structure 2019 Pattern (Final Year) and Course Curriculum 2022-2023 was presented and approved as below:</p> <p>Dr. Ranjana Badre, Dean, School of Computer Engineering and Technology presented Revised Curriculum Structure 2019-2023 for the Final Year of Computer Engineering and Information Technology. The Syllabus of Semester VII and VIII courses for the Academic Year 2022-2023 was presented in detail. The Final year curriculum structure and the syllabus were appreciated and approved by all panel members. There were no suggestions.</p>
9.	<p>Dr. Dipti Sakhare, Dean, School of Electrical Engineering presented the Revised Curriculum Structure 2019-2023 for the Final Year of Electronics Engineering and Electronics and Telecommunication. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was suggested that the course Natural Language Processing can be canceled or it can be offered through the SWAYAM platform because it is a basic course that requires Skill Development tools and techniques. The final year curriculum structure and syllabus of semester VII and VIII courses were approved by all panel members.</p>



	Responsibility: Dean, School of Electrical and Electronics Engineering.
10.	<p>Dr. Prafull Hatte, Dean, School of Mechanical and Civil Engineering, presented the Revised Curriculum Structure 2019-2023 for the Final Year of Mechanical Engineering. The detailed syllabus of semester VII and VIII courses, for Academic Year 2021-2022 was reviewed and approved. The process of curriculum structure and syllabus design was accepted and appreciated by the Academic Council. The following suggestion was given</p> <p>The course title " Sustainable Energy Development" may be changed to "Sustainable Energy" or "Sustainable Energy Sources/ Energy Efficiency or Renewable Energy".</p> <p>Responsibility: Dean, School of Mechanical Engineering.</p>
11.	<p>Dr. Shyam Shukla, Dean, of Civil Engineering, presented the Revised Curriculum Structure 2019-2023 for the Final Year of Civil Engineering. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was approved unanimously.</p>
12.	<p>Prof. Senthil Kumar, Dean, of Chemical Engineering presented the Revised Curriculum Structure 2019-2023 for the Final Year of Civil Engineering. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was appreciated and approved unanimously.</p>
13.	<p>Dr. Avinash Bhalerao presented the TYBDes. curriculum structure and courses for the academic year 2022-2023. The offered courses were appreciated. According to the panel members, the course 'Design Interface' should be offered in the previous year. Common electives should be offered in semesters V, VI and VII. In Sustainability, recycling of products can be added. Along with short films or documentaries, and shooting of classroom teaching can be taken and shown to the students. Theory and Practical hours is to be bifurcated separately.</p> <p>Responsibility: Dean, School of Design.</p>
14	<p>The proposed revision of the First Year B.Tech curriculum structure was presented and it was approved with the following suggestions.</p> <ol style="list-style-type: none"> 1. Applied Mechanics is an important course and should have 3 to 4 credits to develop the problem-solving capacity of the students. The

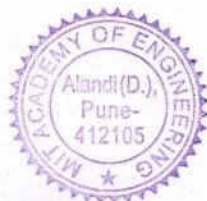
	<p>relevance of the content needs to be established for all branch students. Relevant/real time Case Studies and Applications need to be added. Activities or Expert Sessions shall be arranged for better student engagement.</p> <ol style="list-style-type: none"> 2. The title of the course ' Computational Biology' has to be reframed. Microbiology or Foundational/ Basic Biology can be a better replacement for the title. The contents of this course were well appreciated. 3. The prerequisite knowledge and the scope of Emerging Technology need to be defined. The detailed plan for the Jury examination will help to improve the effectiveness of the assessment. 4. Diagnostic tests shall be planned to support the diverse learning needs of the first-year students. 5. Assessment Plan/reform for all first-year courses needs to be defined well in advance and shared with students. <p>Responsibility: Dean, School of Humanities and Engineering Sciences.</p>
15.	<p>Dr. Arika Kotha, CoE, presented the examination mode of conduct and schedule for 2022-2023. It was suggested that there should be a separate passing criterion for each exam and 50% weightage should be given to the End Semester Examination.</p> <p>Responsibility: Controller of Examination.</p>
16.	<p>Academic Council members insisted on conducting continuous Faculty Development Programmes for continuous improvement in pedagogy, teaching-learning process, and assessments as well.</p> <p>Responsibility: Dean Faculty.</p>
17.	<p>A prerequisite survey of the students has to be done to improve their engagement in the process of learning. Both the teacher and the student should experience the joy of teaching and learning respectively.</p> <p>Responsibility: Schools Deans.</p>
18.	<p>Dr. Sunita Barve proposed a vote of thanks to the chairman and members by expressing gratitude for active participation and valuable suggestions in the entire proceedings of the meeting.</p>



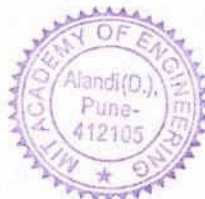
Verified by	Approved by
<p data-bbox="185 349 458 389">Dr. Sunita S. Barve</p>  <p data-bbox="181 551 464 640">Member Secretary Academic Council</p>	<p data-bbox="871 356 1166 396">Dr. Mahesh Goudar</p>  <p data-bbox="868 557 1134 647">Chairman Academic Council</p>

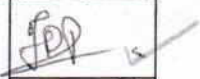
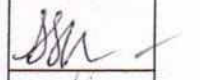

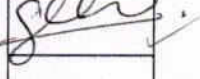
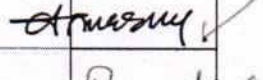



MIT Academy of Engineering (An Autonomous Institute)		ACADEMIC COUNCIL ATTENDANCE SHEET		
Alandi (D), Pune - 412 105		ACADEMIC YEAR	2021-2022	
Time	1.30 AM	DATE	16 June 2022	
Venue	Conference Room	MEETING NO.	AC/2022/01/13	
Sr. No.	Name of the Members	Profile	Role	Signature
1.	Dr. M. D. Goudar	Director, MIT Academy of Engineering	Chairman	
2.	Dr. Aditya Abhyankar	Professor and Dean of the Department of Technology, Savitribai Phule Pune University (SPPU), Pune	University Nominees	
3.	Dr. D. S. Bormane	Principal, AISSMS's College of Engineering, Kennedy Road, Pune		
4.	Dr. Suresh Gosavi	Department of Physics, Savitribai Phule Pune University (SPPU), Pune		
5.	Dr. M. Sasikumar	Director, C-DAC, Mumbai	External Experts Industry/Academics	
6.	Kumar Goud Mulemane	Director, Chemical Technology Solutions, Thane		
7.	Mr. Om Dhumal	Head- Operations, Knorr Bremse AG, Pune		
8.	Dr. S. P. Mahajan	Head of the Department, Electronics and Telecommunication, COEP, Pune		
9.	Mr. Pravin Kolhe	Superintending Engineer, Water Resource Department, Maharashtra		
10.	Dr. B. B. Waphare	Principal, MAEER's MIT Arts, Commerce and Science College, Pune		
11.	Dr. Sunita S. Barve	Deputy Director Academics and Research, MIT Academy of Engineering	Member Secretary	
12.	Dr. Shitalkumar Jain	Deputy Director Corporate Relation, MIT Academy of Engineering	Member	ABSENT



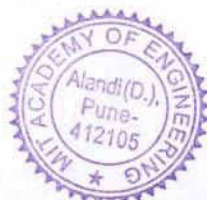
13.	Mr. Senthil Kumar	Dean School of Chemical Engineering	School Dean	<i>M. Senthil Kumar</i>
14.	Mrs. Ranjana Badre	Dean School of Computer Engineering and Technology		<i>R. Badre</i>
15.	Dr. Dipti Sakhare	Dean School of Electrical Engineering		<i>D. Sakhare</i>
16.	Dr. Prafulla Hatte	Dean School of Mechanical Engineering		<i>P. Hatte</i>
17.	Dr. Shyam Shukla	Dean Civil Engineering		<i>S. Shukla</i>
18.	Mrs. Prabha Kasliwal	Dean School of Humanity and Engineering Science		ABSENT
19.	Mr. Avinash Bhalerao	Dean School of Design		<i>A. Bhalerao</i>
20.	Mr. S. M. Bhagat	Registrar	Faculty Members	<i>S. M. Bhagat</i>
21.	Dr. Arika Kotha	Controller of Examinations		<i>A. Kotha</i>
22.	Dr. Abhijeet Malge	Dean Research and Development		<i>A. Malge</i>
23.	Dr. Prachi Rajapallu	Associate Professor, School of Electrical Engineering		ABSENT
24.	Mr. Dilip Panchal	Assistant Professor, School of Mechanical and Civil Engineering		<i>D. Panchal</i>



25.	Jayant Patil	CRPC		
26.	Dr. S. S. Kulkarni	SHES		
27.	Vandana K	Central Library		
28.	Dr. Satish G.	SHES		
29.	Mr. Milind Amaze	MITAOE - SYSTEMS.		
30.	Mr. Tukaram Phunde	Academics Sect -		
31.				
32.				



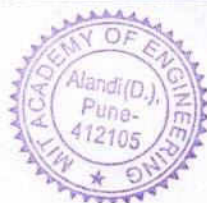
MIT Academy of Engineering An Autonomous Institute Affiliated to SPPU	ACTION TAKEN REPORT	
Alandi (D), Pune - 412 105	ACADEMIC YEAR	: 2021-2022
ACADEMIC COUNCIL MEETING	DATE	: 16 June 2022
	MEETING NO.	: AC/2022/01/13
<p>The thirteenth meeting of the Academic Council (AC) was held on 16 June 2022 at 1.30 p.m., in the Old Conference, MIT Academy of Engineering, Alandi (D), Pune. Dr. Mahesh Goudar, Chairman presided over the meeting and the following members attended the meeting,</p>		
<ol style="list-style-type: none"> 1. Dr. Aditya Abhyankar 2. Dr. D. S. Bormane 3. Dr. Suresh Gosavi 4. Dr. M.Sasikumar 5. Kumar Goud Mulemane 6. Mr. Om Dhumal 7. Mr. Pravin Kolhe 8. Dr. B. B. Waphare 9. Dr. Sunita S. Barve 	<ol style="list-style-type: none"> 10. Mr. Senthil Kumar 11. Mrs. Ranjana Badre 12. Dr. Dipti Sakhare 13. Dr. Prafulla Hatte 14. Dr. Shyam Shukla 15. Mr. Avinash Bhalerao 16. Mr. Sunilkumar Bhagat 17. Dr. Arika Kotha 18. Dr. Abhijeet Malge 19. Mr. Dilip Panchal 	
<p>In addition to the above members, the following also attended the meeting,</p> <ul style="list-style-type: none"> ● Dr. Satish Gajbhiv <p>The leave of absence was granted to the following members,</p> <ul style="list-style-type: none"> ● Dr. S. P. Mahajan, ● Dr. Shitalkumar Jain, ● Mrs. Prabha Kasliwal. 		



Sr. No.	Minutes
1.	<p>At the outset of the meeting following new Academic Council Members were welcomed and felicitated by Dr. Mahesh Goudar, Director, MITAoE. They were introduced by the respective School Deans.</p> <ol style="list-style-type: none"> I. Dr. M. Sasikumar, Director, C-DAC, Mumbai II. Kumar Goud Mulemane, Director, Chemical Technology Solutions, Thane III. Mr. Om Dhumal, AGM- Operations, Knorr Bremse AG, Pune IV. Dr. S. P. Mahajan, Electronics and Telecommunication, Head of the Department, COEP, Pune V. Mr. Pravin Kolhe, Superintending Engineer, Water Resource Department, Maharashtra
2.	<p>Dr. Sunita Barve, Member Secretary of the Academic Council discussed the agenda of the meeting AC/2022/01/13.</p>
3.	<p>Dr. Mahesh Goudar, Director, MITAoE commenced the meeting with his opening remarks. He briefly reviewed the academic transformation and progress of MITAoE after the autonomy from 2016 till the present day. He extended the best practices followed at MITAoE since Autonomy.</p>
4.	<p>The Minutes of the Meeting of the AC/2021/02/12 dated 07 December 2021 and the Action Taken Report were presented by Dr. Sunita Barve and confirmed by the Academic Council Members.</p>
5.	<p>The Vision and Mission of the institute were proposed by Prof. S. M. Bhagat for approval and valuable suggestions from the Members of the Academic Council. The following points were suggested to be considered in framing the Vision and Mission of the institute:</p> <ol style="list-style-type: none"> I. Supporting Engineering and Entrepreneurship to generate more Entrepreneurs and Job opportunities. II. Various managerial skills shall be considered for framing Mission Statement. Academics and Research can be oriented towards ecology and techno- society etc. and shall be reflected in these statements.



	<p>III. Advanced pedagogy to be adopted for the enhancement of Teaching-learning process.</p> <p>IV. Mission statements should be ordered in the following manner as per their significance.</p> <p>A. To promote ethical and moral values by involving students into community services.</p> <p>B. To prepare students for lifelong learning by transforming educational practices.</p> <p>C. To promote entrepreneurship and managerial skills by strengthening industry-institute interaction.</p> <p>D. To provide state-of-the-art infrastructural facilities to produce competitive engineering professionals.</p> <p>Responsibility: Registrar and Dean, Quality Assurance.</p> <p>Action Taken: The revised Mission and vision as per the guidelines and review by all stakeholders is released and disseminated to all concerned.</p>
6.	<p>Dr. Sunita Barve presented the semester-wise Academic Term planning for the Academic Year, 2022-23 and it was unanimously approved by all panel members.</p> <p>Responsibility: Deputy Director Academics and Schools Deans.</p> <p>Action Taken: Third Year and Final year activities, reviews, and examinations are done according to the academic calendar.</p>
7.	<p>Credit distribution of the revision 2019 was discussed and approved. The following points were suggested for consideration.</p> <p>I. In addition to foreign languages like German and Japanese offered by the School of Humanities and Engineering Sciences, Spanish and Chinese languages should be taught in view of global prospects of career development and entrepreneurship. It is suggested to study top business languages of the world.</p> <p>II. Students' political knowledge needs to be enhanced either by conducting expert sessions or by adding this track in the Liberal Learning course or in any suitable course.</p> <p>III. In the three-term Projects from semesters V to VII, the titles shall be assigned as per the defined contents and phases of the project.</p>



- IV. Discipline Elective courses of Semester VIII can be offered through the SWAYAM platform as per the credit transfer scheme. All schools shall identify the SWAYAM courses offered in Term I and II for the Academic Year 2022-2023 for transferring the credits of the Discipline Elective. It is suggested to appoint a faculty mentor/coordinator for all such courses. It is advised to design Standard Operating Procedure for Swayam Credit Transfer Scheme for all programs. Full support shall be provided to the students for the successful completion of the course.
- V. **As the Open Elective Specialization Tracks are the Emerging Areas of Engineering, the concerned faculty members' team needs to be trained and retrained for improving their competency.**
- VI. Regarding Honors and Minor Degree courses, it is required to create awareness of these courses and their importance and detail process to the students and faculty members. The selection criteria or merit threshold for Honors' Degree and Minor Degree courses has to be determined as per the statistical information of the result. It is recommended to offer these courses exclusively to academically elite students.

Responsibility: Deputy Director Academics and Schools Deans.

Action Taken: SCET has offered 5 NPTEL/SWAYAM Courses and 2 Infosys spring courses to the final year students for Discipline electives. For Open Elective courses. Mr. Rudra Patil has completed his cloud certification as a training part.

Action Taken: SMCE (Mechanical)- Four NPTEL courses identified related to the Discipline Electives. Faculty members identified for training in these areas. Four faculty members have completed NPTEL certifications in these emerging areas. Infosys Springboard course on Python was offered to final year students as an option for Skill Development Course.

SMCE (Civil) has offered 6 NPTEL/SWAYAM Courses (3 courses each semester). Full support is provided to students by assigning a dedicated faculty mentor for each course.



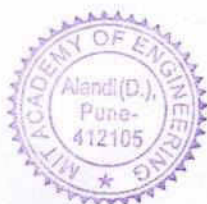
8.	<p>The Under Graduate B. Tech Programme-wise Revised Structure 2019 Pattern (Final Year) and Course Curriculum 2022-2023 was presented and approved as below:</p> <p>Dr. Ranjana Badre, Dean, School of Computer Engineering and Technology presented Revised Curriculum Structure 2019-2023 for the Final Year of Computer Engineering and Information Technology. The Syllabus of Semester VII and VIII courses for the Academic Year 2022-2023 was presented in detail. The Final year curriculum structure and the syllabus were appreciated and approved by all panel members. There were no suggestions.</p>
9.	<p>Dr. Dipti Sakhare, Dean, School of Electrical Engineering presented the Revised Curriculum Structure 2019-2023 for the Final Year of Electronics Engineering and Electronics and Telecommunication. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was suggested that the course Natural Language Processing can be canceled or it can be offered through the SWAYAM platform because it is a basic course that requires Skill Development tools and techniques. The final year curriculum structure and syllabus of semester VII and VIII courses were approved by all panel members.</p> <p>Responsibility: Dean, School of Electrical Engineering</p> <p>Action Taken: The course Natural Language Processing is offered through the SWAYAM platform</p>
10.	<p>Dr. Prafull Hatte, Dean, School of Mechanical and Civil Engineering, presented the Revised Curriculum Structure 2019-2023 for the Final Year of Mechanical Engineering. The detailed syllabus of semester VII and VIII courses, for Academic Year 2021-2022 was reviewed and approved. The process of curriculum structure and syllabus design was accepted and appreciated by the Academic Council. The following suggestion was given</p> <p>The course title " Sustainable Energy Development" may be changed to "Sustainable Energy" or "Sustainable Energy Sources/ Energy Efficiency or Renewable Energy".</p> <p>Responsibility: Dean, School of Mechanical Engineering.</p> <p>Action Taken: The course title is changed to "Sustainable Energy" as per the suggestions.</p>




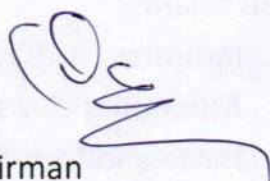
11.	Dr. Shyam Shukla, Dean, of Civil Engineering, presented the Revised Curriculum Structure 2019-2023 for the Final Year of Civil Engineering. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was approved unanimously.
12.	Prof. Senthil Kumar, Dean, of Chemical Engineering presented the Revised Curriculum Structure 2019-2023 for the Final Year of Civil Engineering. The Syllabus of Semester VII and VIII courses, for Academic Year 2022-2023 was presented in detail. It was appreciated and approved unanimously.
13.	Dr. Avinash Bhalerao presented the TYBDes. curriculum structure and courses for the academic year 2022-2023. The offered courses were appreciated. According to the panel members, the course 'Design Interface' should be offered in the previous year. Common electives should be offered in semesters V, VI and VII. In Sustainability, recycling of products can be added. Along with short films or documentaries, and shooting of classroom teaching can be taken and shown to the students. Theory and Practical hours are to be bifurcated separately.
14	<p>The proposed revision of the First Year B.Tech curriculum structure was presented and it was approved with the following suggestions.</p> <ol style="list-style-type: none"> I. Applied Mechanics is an important course and should have 3 to 4 credits to develop the problem-solving capacity of the students. The relevance of the content needs to be established for all branch students. Relevant/real-time Case Studies and Applications need to be added. Activities or Expert Sessions shall be arranged for better student engagement. II. The title of the course ' Computational Biology' has to be reframed. Microbiology or Foundational/ Basic Biology can be a better replacement for the title. The contents of this course were well appreciated. III. The prerequisite knowledge and the scope of Emerging Technology need to be defined. The detailed plan for the Jury examination will help to improve the effectiveness of the assessment. IV. Diagnostic tests shall be planned to support the diverse learning needs of first-year students.



	<p>V. Assessment Plan/reform for all first-year courses needs to be defined well in advance and shared with students.</p> <p>Responsibility: Dean, School of Humanities and Engineering Sciences.</p> <p>Action Taken: Revised First Year Structure is updated as per guidelines of Academic Council members,</p> <ol style="list-style-type: none"> 1. Applied Mechanics Course is enriched with innovative assessment through collaborative and participative relevant activities. 2. Science of Nature Course continued with the content of Biology. 3. The Emerging Technology Course is designed with consideration of the prerequisite knowledge required in the course. 4. The Diagnostic Test is planned for the First Year Students in the initial month.
15.	<p>Dr. Arika Kotha, CoE, presented the examination mode of conduct and schedule for 2022-2023. It was suggested that there should be a separate passing criterion for each exam and 50% weightage should be given to the End Semester Examination.</p> <p>Responsibility: Controller of Examination.</p> <p>Action Taken: From the academic year 2022-23 the separate passing criterion for each examination head has been implemented.</p> <p>The End semester examination has been given 50 percent weightage from the new incoming batch of the academic year 2022-2023.</p>
16.	<p>Academic Council members insisted on conducting continuous Faculty Development Programmes for continuous improvement in pedagogy, teaching-learning process, and assessments as well.</p> <p>Responsibility: Dean Faculty.</p> <p>Action Taken:</p> <ol style="list-style-type: none"> 1. In-house 3 days workshop is conducted on 'Best Practices of Academics & Assessment' from 26th - 28th July 2022 by Dr. Prafull Hatte and Mrs. Shubhangi Kale. 2. Planned 5 days workshop on 'Best Principles for Effective Teaching pedagogy, Assessment and Evaluation in December 2022 by NITTR, Kolkata.



	<p>3. Faculties are getting trained for Engineering Education and NEP courses through IUCEE.</p> <p>4. Some faculties with less than 5 years of experience have registered for the AICTE - NITTT modules. The remaining new joiners will be enrolling during the next batch in March 2023.</p> <p>5. Selective faculties from each program are trained for AICTE - UHV I and UHV II courses.</p> <p>6. Training needs are identified at the School level by School Deans and faculties attending FDPs, workshops, industrial training, and MOOC courses accordingly.</p> <p>7. Establishment process of the Teaching-Learning Center at MIT AOE was initiated. Recruitment for a TLC coordinator is in process.</p>
17.	<p>A prerequisite survey of the students has to be done to improve their engagement in the process of learning. Both the teacher and the student should experience the joy of teaching and learning respectively.</p> <p>Responsibility: Schools Deans.</p> <p>Action Taken: Pre-surveys for various courses were conducted to motivate the students in learning the courses, and we received good responses from the students.</p>
18.	<p>Dr. Sunita Barve proposed a vote of thanks to the chairman and members by expressing gratitude for their active participation and valuable suggestions in the entire proceedings of the meeting.</p>

Verified by	Approved by
<p>Dr. Sunita S. Barve</p>  <p>Member Secretary Academic Council</p>	<p>Dr. Mahesh Goudar</p>  <p>Chairman Academic Council</p>



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

AGENDA

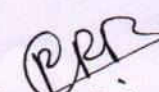
BTECH (SEE) BoS MEET

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




Prachi Rajarapolu
 Autonomy Coordinator

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



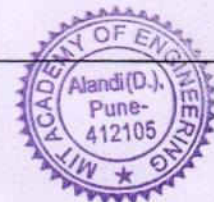
MIT Academy of Engineering (An Autonomous Institute)		MINUTES OF MEETING	
Alandi (D), Pune - 412 105		ACADEMIC YEAR	: 2019-20
SCHOOL OF ELECTRICAL ENGINEERING		DATE	: 2/12/2019
		TYPE OF MEETING	: BoS
Initials of Attendees: DA, KN, SPM, AD, AS, DYS, RPB, UYV, PRR, SAP, SAK, VBK, SSK, SKR, VST, NVB, AKK, 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	<p>ATR of Previous year and PO and PSO was discussed.</p> <p>Discussion on proposed course structure is also initiated, BoS suggestions over course structure</p> <ul style="list-style-type: none"> • 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 		




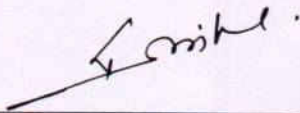
	<p>suggestion it must be teach in depth.</p> <ul style="list-style-type: none"> • Instead of Material Engineering some department core course like, Electromagnetic Theory can be included in course structure in third year. 		
7	After the review of the previous BoS MoM, course presentation of BTECH courses 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 from 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.		
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		

Course
Champion
& Members

Academic
Year
2019-20



	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.

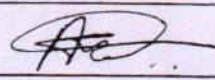
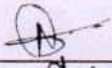

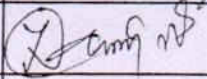
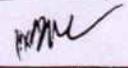
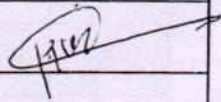



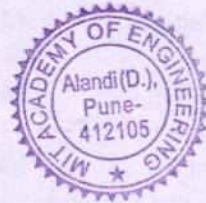
ATTENDANCE SHEET : BOARD OF STUDIES

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

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



Sr. No.	Name	Designation	Sign
23	Vaishali A. Katkar	Member	Leave
24	Hitesh R. Lodha	Member	Leave
25	Mandar M. Bhalekar	Member	Vacation
26	Amar B. Chavan	Member	Vacation
27	Aniket K. Kemalkar	Member	
28	Prashant K. Aher	Member	
29	Amit V. Nagarale	Member	
30	Dhananjay M. Devare	Member	
31	Ashish Srivastava	Member	Vacation
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	



MITAcademy of
Engineering
(An Autonomous Institute)**School of Electrical Engg.***Advancing Humanity through Technology*

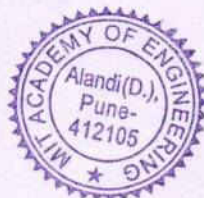
Alandi (D), Pune – 412105

(Accredited by NBA, ISO 9001:2008 Certified)


ACTION TAKEN REPORT**BTECH (SEE) BoS – December 2, 2019****TERM – II [2019 – 20]**

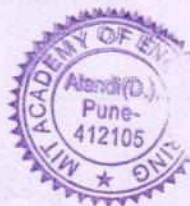
DAY	Monday	DATE	December 2, 2019
TIME	9.00 AM	VENUE	Examination section

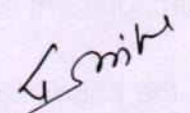
Sl. No.	BoS Suggestions	Action Taken
1	Minors floated within the Department need to be revised	Work in progress
2	Courses related to good programming language can be floated to enhance programming skills of students	Course structure revision has been started
3	Courses related to Entrepreneurship and 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



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



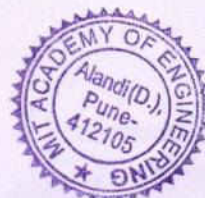

Dr. Debashis Adhikari
Dean (SEE)

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 Rajarapolu
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, Alliance Solutions Pvt. Ltd, Pune
-------------------------	---



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

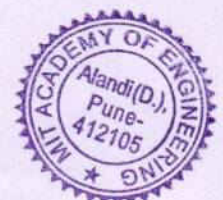
Outcomes :

- 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 Rajarapolu. 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.



Photographs :

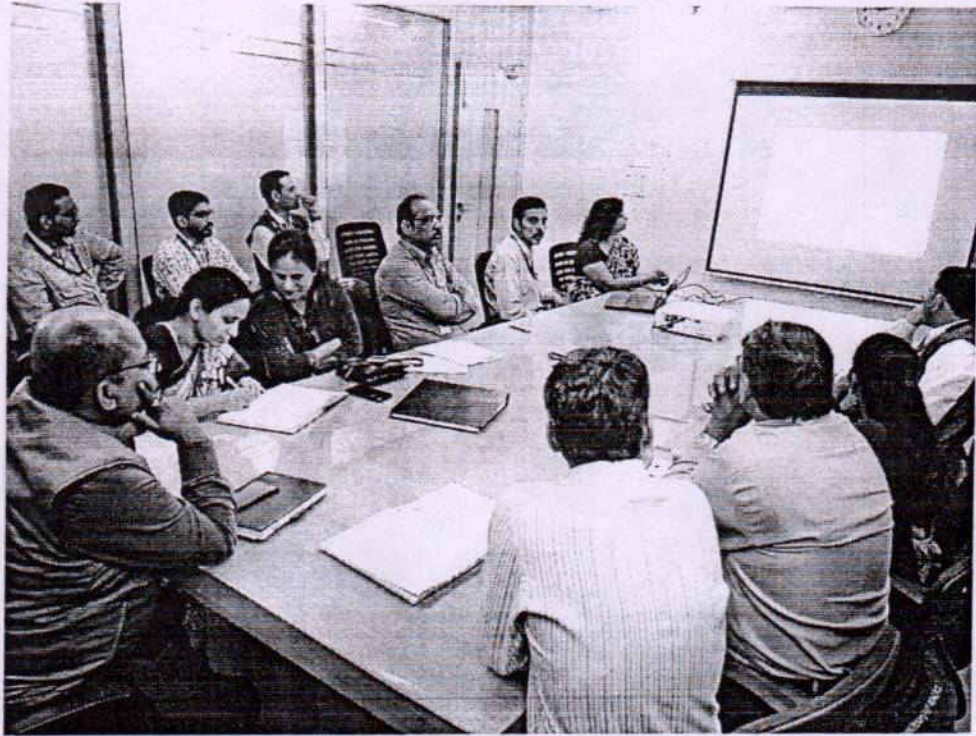


Curriculum structure presentations to the BoS Members

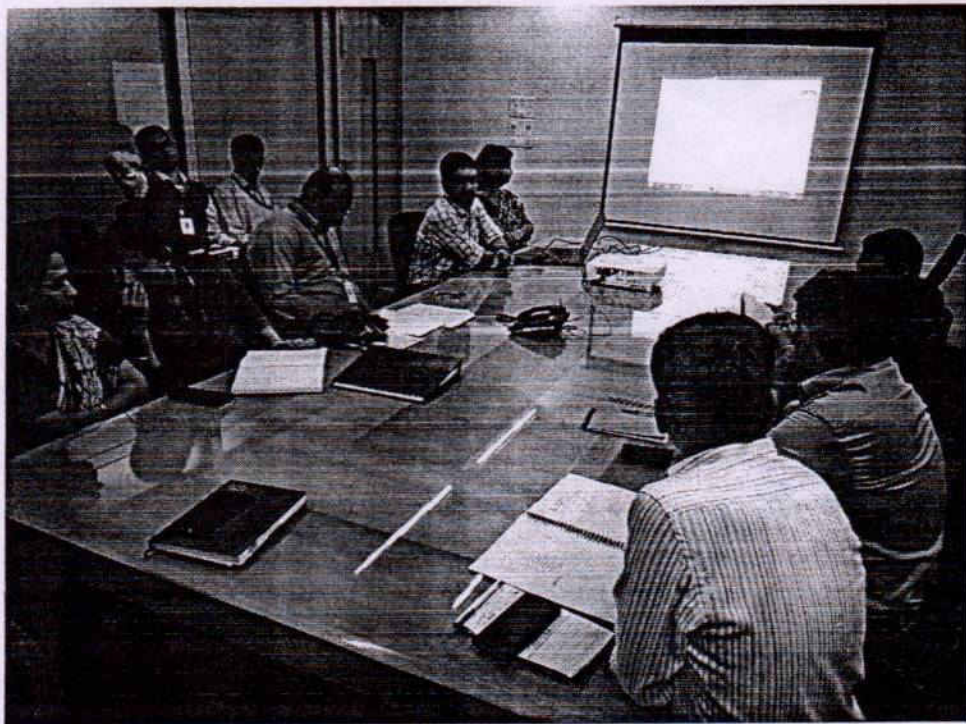


School dean and faculty interaction with auditors

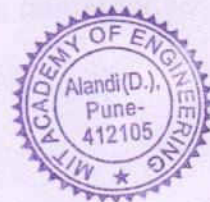




Course presentation by Faculty



Course presentation by Faculty

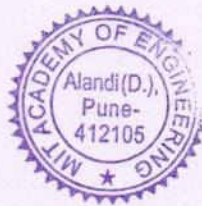




Interaction and discussion with BoS members

PRS
Dr Prachi R Rajarapollu
Autonomy coordinator

De Srikhe
Dr Debashish Adhikari
Dean School of Electrical Engineering



MIT Academy of Engineering (An Autonomous Institute)	School of Electrical Engg. <i>Advancing Humanity through Technology</i>
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

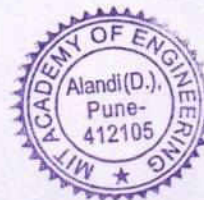
No. of Participants : 45

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



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 Rajarapolu. 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.



Photographs :



Curriculum structure presentations to the BoS Members



School dean and faculty interaction with auditors



Course presentation by Faculty



Course presentation by Faculty



Interaction and discussion with BoS members

Prachi R
Dr Prachi R Rajarapollu
Autonomy coordinator

Debashish
Dr Debashish Adhikari
Dean School of Electrical Engineering