

MINUTE SHEET
AIT

Case No.

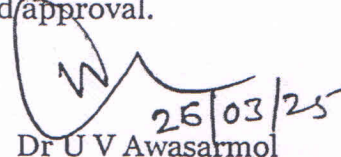
Sheet No: 01

Department of Mechanical Engineering

MOM FIRST BOS MEET : MECH, A&R on 26 MAR 2025

-1-


1. The first BOS meeting for both Mech Engg and A & R Programs under autonomy was held on 26th Mar 2025 at 02:15 pm.
2. The meeting was conducted in hybrid mode.
3. All the internal and external Board Members attended the meeting.
4. The minutes of this meeting are placed opposite for your kind approval.


26/03/25
Dr U V Awasarmol
Prof and Head Mech Engg

-2-

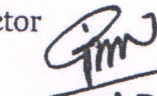
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~~Principal~~


27/3/25

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Jt Director


27/3/25

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Director



27/3/25



ARMY INSTITUTE OF TECHNOLOGY
Dighi Hills, Alandi Road, Pune 411015
Department of Mechanical Engineering



MINUTES OF BOARD OF STUDIES MEETING-01; 26 MAR 2025, 2.15 PM

Venue: Mechanical Engineering Departmental Library and Online

1. Meeting of the Board of Studies, Autonomy in Mechanical Engineering and Automation & Robotics Programs, AIT was held on Wednesday, 26th March 2025 at 2:15 pm under the Chairmanship of Dr. U V Awasarmol, HoD, Mechanical Engineering. Attendance was as under: -

Sr No	Status	Name of Appointment	Sign
1.	Chairman	Dr U V Awasarmol, Professor and HoD, Mech Engg Dept	Yes
2.	Expert nominated by Vice-Chancellor, SPPU	Dr S S Ohol, Associate Professor, COEP Technological University, Pune	Yes (Online)
3.	Subject Expert outside Parent University	Dr Sunil Dingare, Professor MIT ADT, Pune	Yes (Online)
4.	Subject Expert outside Parent University	Dr Anand Kulkarni, Professor, MIT WPU, Pune	Yes (Online)
5.	Industry Expert	Mr Subhash Mukane, Scientist F, Joint Director, ARDE, Pashan, Pune	Yes (Online)
6.	AIT Alumni	Ms Ruchika Sharma, GM, Mfg Functional Excellence, Cummins India, Pune	Yes (Online)
7.	Member, Teaching Faculty	Prof R S Verma	Yes
8.	Member, Teaching Faculty	Prof V R Kulkarni	Yes
9.	Member, Teaching Faculty	Dr J D Patil	Yes
10.	Member, Teaching Faculty	Dr Pritee Purohit	Yes
11.	Member, Teaching Faculty	Dr R B Gurav	Yes
12.	Member, Teaching Faculty	Prof P V Dorlikar	Yes



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Sr No	Status	Name of Appointment	Sign
13.	Member, Teaching Faculty	Prof Y V Patel	Yes
14.	Member, Teaching Faculty	Dr S M Gaikwad	Yes
15.	Member, Teaching Faculty	Prof A A Ramgude	Yes
16.	Member, Teaching Faculty	Prof M B Phatangare	Yes
17.	Member, Teaching Faculty	Prof R S Godse	Yes
18.	Member, Teaching Faculty	Dr L D Jathar	Yes
19.	Member, Teaching Faculty	Prof Gouri Bhasale	Yes
20.	Invited Member, Teaching Faculty	Dr Avinash Patil, Assistant Professor, E&TC	Yes (Online)
21.	Invited Member, Teaching Faculty	Dr. Ganesh Mundhe, Associate Professor, HoD, ASGE	Yes
22.	Invited Member, Teaching Faculty	Dr. (Mrs) Swati Kulkarni, Associate Professor, ASGE	Yes
23.	Invited Member, Teaching Faculty	Ms Mridula Chandola, Assistant Professor, ASGE	Yes (Online)
24.	Invited Member, Teaching Faculty	Prof Anita Suryawanshi, Assistant Professor, ASGE	Yes (Online)
25.	Invited Member, Teaching Faculty	Dr Sonali Bhosle, Assistant Professor, ASGE	Yes (Online)

Welcome Address

2. The meeting started with the welcoming of all the Board of Studies (BoS) members by the Chairperson Dr U V Awasarmol, HoD, Mechanical Engineering. He



Introduced the external members and also briefed the board about the Composition and Functions of the BoS.

3. Dr U V Awasarmol explained the process of formulating this set of syllabi to all the esteemed external board members.

Discussion

4. Agenda Point 1: TO FINALISE COURSES OF STUDY AND SYLLABI OF FY BTECH MECHANICAL ENGINEERING AND AUTOMATION & ROBOTICS PROGRAMS

Dr. U V Awasarmol discussed the Credit Framework to be implemented for the Autonomy syllabi from AY 2025-26. This credit structure has 162 credits, following the NEP-2020 guidelines of UGC and Govt of Maharashtra. The BoS members agreed that the credit framework is as per NEP-2020 guidelines.

FY BTech Syllabus structure

5. Dr. U V Awasarmol continued to discuss the Course structure for the First Year B.Tech Mechanical Engineering and Automation & Robotics Programs to be implemented from AY 2025-26. The course structure of the First year has 44 credits (22 credits per semester).

6. Prof P V Dorlikar presented subject wise syllabi of all the subjects and there was a detailed discussion on the course structure.

7. **Decision 1.1.1:** *It was unanimously resolved that, the presented syllabus structure for the both First Year BTech Mechanical Engineering and Automation & Robotics Programs can be sent for approval of Academic Council.*

Syllabus of Courses of FY BTech

8. Dr U V Awasarmol informed members that the courses of study are oriented towards Mechanical Engineering and Automation & robotics. He also informed that majority of subjects are common to all the departments however their theory and laboratory courses are structured with specific focus on objectives of teaching and learning of the respective branch.

9. Dr Sunil Dingare suggested that Engineering Mathematics I and II are to be taught with focus on branch specific applications. Upon this, Dr Mundhe brought to his notice that it is incorporated in tutorial sessions of these subjects. Board was satisfied by this answer.

10. Dr Sunil Dingare further suggested to allot at least an hour per week for audit courses though they don't have any credit. (The point was well taken and necessary changes are made in the structure of both the streams viz Mechanical Engineering and Automation & Robotics).

11. Dr S S Ohol questioned the necessity of two units on thermal engineering in the syllabus of Basic Mechanical Engineering for Automation & Robotics program. Prof P V Dorlikar answered that it is kept to increase versatility and higher employability of the students. It was agreed upon by all the members.



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12. Upon suggestion from Dr Sunil Dingare it was decided to include additional topic on Innovation in the subject of Design Thinking, Innovation and Prototyping (Necessary change in the syllabus was made).

13. Dr Sunil Dingare insisted to incorporate True length, Application of lines and Auxiliary Projection in the syllabus of Engineering Drawing and Graphics. (Necessary changes were made in the Syllabus.)

14. Dr Anand Kulkarni appreciated the framing and contents of the subjects included in the syllabi to orient them in tune with NEP 2020. He insisted upon branch specific application-oriented teaching practice for the subject Engineering Mathematics and suggested to include the book "Complete Business Statistics" authored by Amir D Aczel et al. In the list of Reference books of Engineering Mathematics.

15. Mr Subhash Mukane and Ms Ruchika Sharma appreciated the efforts of the syllabus committee.

16. Decision 1.1.2: *It was resolved that, the presented syllabi of courses of First Year BTech of both "Mechanical Engineering" and "Automation & Robotics" programs can be sent for approval of Academic Council incorporating minor modifications suggested by honorable members.*

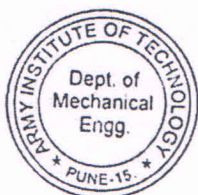
17. Agenda Point 2: Academic And Examination Rules & Regulations Dr. U V Awasarmol informed that the internal committee of AIT has finalized draft Rules & Regulations for Academics and Examinations. The draft is forwarded to all members. He requested all to give suggestions for framing the rules & regulations.

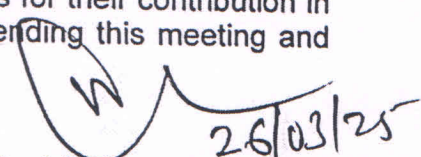
18. Decision 2.1.1: *It was resolved that; the Draft Rules & Regulations can be sent for the approval of Academic Council.*

19. Agenda Point 3: Any other points from Members. Dr. U V Awasarmol discussed planned to revise Vision, Mission statements well as PEOs and PSOs of Mechanical Engineering and formulating the same new set of parameters for Automation & Robotics in the light of autonomy. It was decided that these are to be all the forwarded to members and further action can be taken.

Vote of Thanks

20. Prof V R Kulkarni thanked the Chair and all the members for their contribution in finalization of the syllabi. He also thanked everyone for attending this meeting and providing valuable suggestions.




26/03/25
Prof (Dr) U V Awasarmol
Chairperson
Board of studies
Mechanical Engineering and Automation & Robotics

Professor & Head
Department of Mechanical Engg.
Army Institute of Technology
Pune - 411015. Page 4 of 4

March 26, 2025



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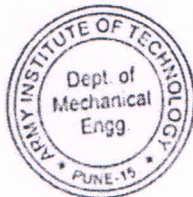
ATTENDANCE: BOARD OF STUDIES MEETING 26 MAR 2025

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