



08th Meeting of the Board of Studies - B.Tech (Aeronautical Engineering)

Agenda

Date: 26th July 2023

Time: 02:30 to 06:00 PM

Agenda Item	Discussion Topic
1	Welcome Address by the Chairperson, BoS and Introduction of Members
2	Confirmation of Minutes of Meeting of 07th Meeting of BoS and To Note Action Taken
3	To discuss and finalize 02nd Revision of Autonomous Curriculum inline with NEP 2020
4	To discuss and finalize the syllabus for second year of 02 Revision - NEP 2020
5	To discuss and finalize the Minor Course Curriculum inline with NEP 2020

Prepared by:

~~Member Secretary~~



Approved by:

Chairperson





08th Meeting of the Board of Studies - B.Tech (Aeronautical Engineering)

Members of Board of Studies

Sl.No	Name of the Member and Designation	Position
1	Mr. K. M. Kiran Babu, Head of the Department, Department of Aeronautical Engineering, ADCET, Ashta	Chairperson
2	Dr. R K Satapathy, Professor, Department of Aerospace Engineering, Defence Institute of Advanced Technology, (DIAT), Pune	Vice Chancellor Nominee
3	Dr. Vijayakumar M Scientist - E, Aero Data Generation & Design Modification Aeronautical Development Establishment (ADE), Bangalore Defence Research and Development Organisation (DRDO)	Industry Representative
4	Dr. Shashidhar S, Principle Engineer, Collins Aerospace, Bengaluru	Industry Representative
5	Dr S. Nadaraja Pillai, Professor of Aerospace Engineering, Shanmugha Arts, Science, Technology & Research Academy (SAASTRA), Thanjavur	Academic Expert
6	Dr. Tejinder Kumar Jindal, Professor, Aerospace Engineering, Punjab Engineering College (Deemed to be University), Chandigarh	Academic Expert
7	Mr. Ganesh Malgunde, Collins Aerospace, Bengaluru	Alumni Representative
8	Mr. Krishnamoorthi Chief Engineer, Telangana State Aviation Academy, Hyderabad.	Special Invitees
9	Mr. Pravin Christoper, Executive quality assurance Engineer, TATA advanced systems, Hyderabad.	Special Invitees
10	Mr. Reju R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member Secretary





Sant Dnyaneshwar Shikshan Sanstha's
Annasaheb Dange College of Engineering and Technology, Ashta
DEPARTMENT OF AERONAUTICAL ENGINEERING

ADCET
An Autonomous Institute

Sl.No	Name of the Member and Designation	Position
11	Dr. S. Sendhil Kumar Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
12	Dr. S. Yuvaraj Associate Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
13	Dr. A. K. Vivekanandan Associate Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
14	Mr. Yogesh B. Kumbhar, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
15	Mr. Sanoj P. Suresh, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
16	Mr. L. Oblisamy, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
17	Mr. Sabarishwaran R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
18	Mr. A. Basithrahman, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
19	Mr. P. Kaleeswaran, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
20	Mr. P. Deepak Kumar, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member





Minutes of the Eight Board of Studies Meeting

Date: 27th July 2023

Time 02:30 - 06:00 PM

Venue:

Department Meeting Room, ADCET, Ashta + Online Mode for the External Members through G-Meet, Google Meet Link:

08th Meeting of the Board of Studies - B.Tech
(Aeronautical Engineering)

Wednesday, July 26 · 2:30 – 6:00 pm

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/xwd-svie-qsc>

Members Present:

Sl.No	Name of the Member and Designation	Position
1	Mr. K. M. Kiran Babu, Head of the Department, Department of Aeronautical Engineering, ADCET, Ashta	Chairperson
2	Dr. R K Satapathy, Professor, Department of Aerospace Engineering, Defence Institute of Advanced Technology, (DIAT), Pune	Vice Chancellor Nominee
3	Dr. Vijayakumar M Scientist - E, Aero Data Generation & Design Modification Aeronautical Development Establishment (ADE), Bangalore Defence Research and Development Organisation (DRDO)	Industry Representative
4	Dr. Shashidhar S, Principle Engineer, Collins Aerospace, Bengaluru	Industry Representative
5	Dr S. Nadaraja Pillai, Professor of Aerospace Engineering, Shanmuga Arts, Science, Technology & Research Academy (SASTRA), Thanjavur	Academic Expert
6	Mr. Ganesh Malgunde, Collins Aerospace, Bengaluru	Alumni Representative
7	Mr. Krishnamoorthi Chief Engineer, Telangana State Aviation Academy, Hyderabad.	Special Invitees





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Sl.No	Name of the Member and Designation	Position
8	Mr. Pravin Christoper, Executive quality assurance Engineer, TATA advanced systems, Hyderabad.	Special Invitees
9	Mr. Reju R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member Secretary
10	Dr. S. Sendhil Kumar Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
11	Dr. S. Yuvaraj Associate Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
12	Dr. A. K. Vivekanandan Associate Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
13	Mr. Yogesh B. Kumbhar, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
14	Mr. Sanoj P. Suresh, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
15	Mr. L. Oblisamy, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
16	Mr. Sabarishwaran R, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
17	Mr. A. Basithrahman, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
18	Mr. P. Kaleeswaran, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member
19	Mr. P. Deepak Kumar, Assistant Professor, Department of Aeronautical Engineering, ADCET, Ashta	Member





ITEM No: 08-BOS-1.1

**Welcome Address by the Chairperson, BoS and
Introduction of Members**

**For Information of
Academic Council**

The Head of Aeronautical Engineering Department, ADCET, Ashta chairperson of the Board of Studies (BOS) formally welcomed all the members of the BoS for its 08th Meeting specially called for discussing and approving the second revision of the autonomous curriculum focused on the implementation of NEP 2020 guidelines, and initiated the discussion by presenting the overall status of the department, with the brief outline of agenda of the eighth BoS Meeting.

A brief presentation about the Department of Aeronautical Engineering at ADCET, Ashta was presented to the members and the external members were informed of the NAAC A++ accreditation received recently by the Institute and were briefed about the accreditation of the Department by NBA, New Delhi till June 2025. The taught process and the procedure followed for preparing the curriculum was briefed to the external members through the presentation.

ITEM No: 08-BOS-1.2

**Confirmation of Minutes of Meeting of 07th Meeting of BoS and
To Note Action Taken**

**For Information of
Academic Council**

The Minutes of 07th Board of Studies meeting held on 24th September 2022 in the online mode was presented before the committee for confirmation and the action taken based on the suggestions given by the members was briefed to the members, and the members of BoS confirmed the Minutes of 07th Board of Studies.

ITEM No: 08-BOS-1.3

**To discuss and finalize 02nd Revision of Autonomous Curriculum
inline with NEP 2020**

**For Approval of
Academic Council**

The proposed second revision of the curriculum for 170 credits for 4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.- with Multidisciplinary Minor was presented before the members for the BoS for the detailed discussions and deliberations.

The following were the comments and suggestions made by the members of BoS on the 02 revision autonomous curriculum,

1. The External Members of BoS appreciated the thought process and thinking behind the revision of curriculum, no major suggestions were given in the First Year curriculum structure.





ITEM No: 08-BOS-1.3 To discuss and finalize 02nd Revision of Autonomous Curriculum inline with NEP 2020	For Approval of Academic Council
<p>2. Dr. R K Satapathy enquired on the rationale behind the increment of credits for Humanities and Social Science Courses, suggested to look into the possibility of increasing the credits to professional Core Courses such as 2AEPC251 - Introduction to Aerospace Engineering as a 2 Credit course.</p> <p>3. Dr S. Nadaraja Pillai commented on the intensity of course 2AEPC201 - Mathematical Modeling and Problem Solving and suggested reducing the intensity of course in Third Semester.</p> <p>4. Dr. Shashidhar S appreciated the idea of including the Vocational and Skill Enhancement Courses 2AEVS254 - Parametric Modeling & Assembly, and 2AEVS256 - Professional Documentation and Presentation, 2AEVS357 - Geometric Dimensions and Tolerances (GD&T), 2AESC451 - Data Analytics and Machine Learning for Aeronautics, 2AESC452 - Elements of Aircraft Technical Publications in the curriculum.</p> <p>5. Dr. Vijayakumar M suggested MATLAB along with the Python in the Curriculum, which was also seconded by Dr. R K Satapathy.</p> <p>6. Dr. Shashidhar S suggested using CAD Modeling tools such as CATIA/Solidworks/NX for a course on 2AEVS254 - Parametric Modeling & Assembly.</p> <p>7. Mr. Ganesh Malgunde emphasized on including Python Programming Language in the curriculum citing the significance in the industrial applications.</p> <p>8. Mr. Krishnamoorthi recommended to include Composite Materials and Non Destructive Testing and Evaluation in Composites in the proposed 02 revision of autonomous curriculum.</p>	

ITEM No: 08-BOS-1.4 To discuss and finalize the syllabus for second year of 02 Revision	For Approval of Academic Council
<p>The detailed syllabus of the Second Year Courses were presented before the members of Board of Studies for discussion and deliberations.</p> <p>The following were the comments and suggestions made by the members of BoS on the Second Year Courses,</p> <ol style="list-style-type: none">1. Dr S. Nadaraja Pillai commented and suggested to not merge the Low Speed and High Speed Aerodynamics course citing the huge curriculum and significance of the course, the members of the department accepted the suggestion.2. Dr S. Nadaraja Pillai commented on the intensity of course 2AEPC201 - Mathematical Modeling and Problem Solving and suggested reducing the intensity of course in Third Semester, the department members accepted the suggestion to look into the syllabus of 2AEPC201 - Mathematical Modeling and Problem Solving.	





ITEM No: 08-BOS-1.5	For Approval of Academic Council
To discuss and finalize the Minor Course Curriculum inline with NEP 2020	
The choice of the Minor Course Curriculum for the 4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech Multidisciplinary Minor was presented before the members for the BoS for the detailed discussions and deliberations.	
The committee approved the proposed minor structure and asked to prepare the detailed syllabus focusing on the requirements of the Industry, which will be discussed and further finalized in the next meeting of BoS.	

The meeting ended with the Vote of Thanks by the Head, Department of Aeronautical Engineering, ADCET, Ashta.

Member Secretary



Chairperson