



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

www.sathyabama.ac.in



SCHOOL OF MECHANICAL ENGINEERING

DEPARTMENT OF AERONAUTICAL ENGINEERING

BOARD OF STUDIES MEETING HELD ON 14.12.2019

Members present:

External Members	Signature	Internal Members	Signature
Dr. Paramasivam Professor, Madras Institute, of Technology, Chennai		Dr.S. Prakash, Dean/Faculty of Mechanical	
Er. James Michael Amulu, Senior Product Development Leader, SAP, Bangalore		Dr.P. Boomadevi, Head/Aeronautical Engineering	
		Dr.A. Anderson, Associate Professor, Aeronautical Engineering	
		Dr. S. Manigandan, Assistant Professor, Aeronautical Engineering	
		Mr. P. Gunasekaran, Assistant Professor, Aeronautical Engineering	



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Board of Studies meeting for the Department of Aeronautical Engineering was held on 14th December 2019 in Aero CAD Lab with the following agenda:

1. Introduction of a new course titled "SAEA1303 Aircraft Systems and Instruments" as Theory in B.E-Aeronautical Engineering Curriculum
2. Introduction of a new course titled "SAEA1503 Computational fluid dynamics for Aerospace applications" as Theory in B.E-Aeronautical Engineering Curriculum.
3. Introduction of a new course titled "SAEA1702 Unmanned Aerial Vehicle Design" as Theory in B.E-Aeronautical Engineering Curriculum.
4. Introduction of new Elective theory courses in B.E-Aeronautical Engineering Curriculum.

Welcome Address

At the onset of the meeting, Dr.S.Prakash, Dean, school of Mechanical Engineering welcomed the members of BoS and placed the agenda for the deliberations of the members. The following decisions were made as per the items of the circulated agenda.

Introduction of a new courses titled "SAEA1303 Aircraft Systems and Instruments, SAEA1503 Computational fluid dynamics for Aerospace applications and SAEA1702 Unmanned Aerial Vehicle Design" as core courses in B.E-Aeronautical Engineering Curriculum

Introduction of new Elective core courses

SMEA3001 Additive Manufacturing

SAEA3014 Boundary layer theory

SAEA3015 High-temperature Materials

SAEA3016 Flight vehicles Guidance and

Control SAEA3017 Manned space mission

SAEA3019 Orbital Mechanics

As suggested by the Academic Expert new theory courses and professional core electives were introduced as core courses are very much important in Aircraft systems and



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maintenance division, flow through nozzles for Aerospace Applications, aerodynamic heating of thermal insulated space capsules and space ships, and Unmanned Aerial systems installation and calibration of sensors utilized in Unmanned Aerial Vehicles.

This initiative is appreciated by BoS members and after a discussion about the contents of the syllabus; the course was approved for inclusion as core courses in the Curriculum. BoS members accepted the changes and approved the syllabus. The syllabus of the course is enclosed in Annexure-1

Vote of Thanks

Dr.P.Boomadevi thanked the expert members for accepting the invitation for attending the BoS meeting. She thanked them for their valuable suggestions on the agenda items presented. She also thanked Dr.S.Prakash, Dean/Chair and Dr.A.Anderson, Associate Professor for their contribution towards the conduct of this BoS meeting

Dean/CHAIR



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SCHOOL OF MECHANICAL ENGINEERING

DEPARTMENT OF AERONAUTICAL ENGINEERING

BOARD OF STUDIES MEETING HELD ON 15.06.2019

Members present:

External Members	Signature	Internal Members	Signature
Dr. Paramasivam Professor, Madras Institute, of Technology, Chennai		Dr.S. Prakash, Dean/Faculty of Mechanical	
Er. James Michael Amulu, Senior Product Development Leader, SAP, Bangalore		Dr.P. Boomadevi, Head/Aeronautical Engineering	
		Dr.A. Anderson, Associate Professor, Aeronautical Engineering	
		Dr. S. Manigandan, Assistant Professor, Aeronautical Engineering	
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Board of Studies meeting for the Department of Aeronautical Engineering was held on 15th June 2019 in Aero CAD Lab with the following agenda:

1. Introduction of a new course titled "SMEA2201 Workshop Practice" as Laboratory in B.E-Aeronautical Engineering Curriculum
2. Introduction of a new course titled "SAIC4001 Industry 4.0" as Theory in B.E-Aeronautical Engineering Curriculum.
3. Introduction of a new course titled "S19APT2 Interdisciplinary project" as a practical course in the B.E-Aeronautical Engineering Curriculum.
4. Introduction of a new course titled "SAEA2602 Aircraft Engine Maintenance and Repair Lab" as Laboratory in the B.E-Aeronautical Engineering Curriculum.

Welcome Address

Dr.S.Prakash welcomed the members of BoS and placed the agenda for the deliberations of the members. The following decisions were made as per the items of the circulated agenda.

Introduction of new courses titled "SMEA2201 Workshop Practice, SAIC4001 Industry 4.0, S19APT2 Interdisciplinary project and SAEA2602 Aircraft Engine Maintenance and Repair Lab" as core courses in B.E-Aeronautical Engineering Curriculum

As suggested by the Academic Expert new theory courses and laboratory courses were introduced as core courses are very much important in Aircraft Engine repair and maintenance division, current trends in the handling of equipment in Industries Manufacturing sectors of aerospace industries, and manufacturing of space ships, and Unmanned Aerial Vehicles.



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This initiative is appreciated by BoS members and after a discussion about the contents of the syllabus; the course was approved for inclusion as core courses in the Curriculum. BoS members accepted and approved the syllabus. The syllabus of the course is enclosed in Annexure-1

Vote of Thanks

Dr.P.Boomadevi thanked the expert members for accepting the invitation for attending the BoS meeting. She thanked them for their valuable suggestions on the agenda items presented. She also thanked Dr.S.Prakash, Dean/Chair and Dr.A.Anderson, Associate Professor for their contribution towards the conduct of this BoS meeting

Dean/CHAIR