



# PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

## DEPARTMENT OF AERONAUTICAL ENGINEERING ACTION TAKEN REPORT- STAKE HOLDERS FEED BACK ON CURRICULUM & SYLLABUS

Academic Year 2021-2022

Date: 17.06.2021

Minutes of Curriculum Development Committee






1. To analyse the feedback from various stakeholders.
2. To identify the changes regarding content to be added/deleted in curriculum/syllabus.
3. To include the constructive changes/recommend in the curriculum or syllabus.
4. This has been submitted to Department Advisory Committee (DAC) for further action

Feedback was requested from following Stakeholders

S.No.	Stake Holders	No of feedback form received
1.	Students	70
2.	Teachers	10
3.	Alumni	05
4.	Employer	03

Name of the course	Recommended by	Recommendation	Action Taken
<b>Students Feedback</b>			
Fast track course	S.Daya Sri	Fast track mode courses can be informed in advance	The recommendation is considered and forwarded for DAC approval
Solid mechanics	K.Karthik	subject is very difficult	The recommendation is considered and forwarded for DAC approval
Aerodynamics II	S.Keerthi	Vast syllabus. Syllabus can be reduced	The recommendation is considered and forwarded for DAC approval
<b>Faculty Feedback</b>			
Vibrations And Elements of Aeroelasticity	P.Prasanna	Topics can be mentioned specifically	The recommendation is considered and forwarded for DAC approval
Aircrafts Structures I	G.Sasi	4 <sup>th</sup> unit topics can be modified	The recommendation is considered and forwarded for DAC approval
Aircraft Propulsion	K.Gokulnath	basics of piston engine can be added in unit I	The recommendation is considered and forwarded for DAC approval

Alumni Feedback			
Over all course	Mohammed Zamman.P	NPTEL credits can be carry forward as its instead of considering as one credits	The recommendation is considered and forwarded for DAC approval
III semester	Gowtham Prabhu S	III semester subjects syllabus can be reduced	The recommendation is considered and forwarded for DAC approval
Employer Feedback			
UAV and MAV	M.Aparna	Drone license courses can be added	The recommendation is considered and forwarded for DAC approval
UAV	D.Arul Jothi	Drone lab can be included in the curriculum	The recommendation is considered and forwarded for DAC approval

S.No	Name of the Member	Designation	Role	Signature
1.	Dr.R.Arravind	HOD	Chairman/BOS	
2.	D.Raj Kumar	Asst.Prof	Member	
3.	G.Sasi	Asst.Prof	Member	
4.	P.Prasanna	Asst.Prof	Member	
5.	K.Gokulnath	Asst.Prof	Member	

  
HOD/AERO

HEAD OF THE DEPARTMENT  
DEPARTMENT OF AERONAUTICAL ENGINEERING  
PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)  
PACHAL, NAMAKKAI - 637 012

  
PRINCIPAL  
PAAVAI ENGINEERING COLLEGE  
PACHAL Post, NAMAKKAI Dist

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

ACTION TAKEN REPORT

7<sup>th</sup> BOS Held on 30.07.2021


Date:24.08.2021

Based on the discussion and recommendations held during the Standing Committee meeting dated 20.08.2021

The following suggestions have been implemented in the curriculum and syllabus.

S.No	Year	Course code & Name	Suggestions	Implementation
1.	II	AE20306 STRENGTH OF MATERIALS LABORATORY	To change the title of Exp.No:3 as "Determine the shear modulus of Mild steel rod using tension test"	Implemented
2.	II	AE20402 AIRCRAFT PROPULSION	It was suggested to add piston engine basics in UNIT I and compressor surging in Unit IV.	Implemented
3	II	AE20403 AIRCRAFT STRUCTURES I	It was suggested to list out the derivations specifically under the topic "columns with various end conditions" in Unit IV.	Implemented
4	VI	AE20406 AERODYNAMICS LABORATORY	It was suggested to add calibration of subsonic wind tunnel as experiment number 1	Implemented
5	III	AE19502 AERODYNAMICS II	It was suggested to arrange the units in the order One Dimensional Compressible Flow, Normal And Oblique Shocks.	Implemented
6	III	AE19602 COMPOSITE MATERIALS AND STRUCTURES	The titles of UNITS I and II need to be specific such as Introduction to Composites and Methods of Analysis.	Implemented
7	III	AE19604 CAD AND CAM LAB FOR AERONAUTICAL APPLICATIONS	To change the title of experiments which starts with "Design" into "Drawing".	Implemented
8	III	AE19152 VIBRATIONS AND ELEMENTS OF AEROELASTICITY	It was suggested to include names of the sub topics under the UNITS III, IV and V.	Implemented

The above implementations were effective from the academic year 2021-2022

  
HOD/AERO

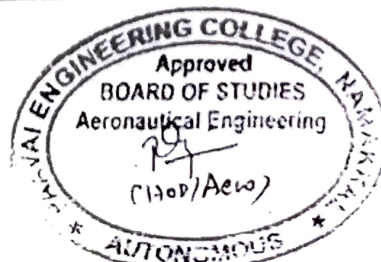
  
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**PAAVAI ENGINEERING COLLEGE**  
**(AUTONOMOUS)**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**  
**MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING**  
**DATE AND TIME: 30.07.2021, 10.00AM**  
**ONLINE MODE**

**MEMBERS PRESENT:**

S.NO	NAME&DESIGNATION	POSITION IN THE COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr.R.Arravind, Professor and Head	Chairman	Paavai Engineering College, Namakkal.
2.	Dr.B.T.N.Sridhar, Professor/AERO	University Nominee	Anna University, MIT Campus, Chennai.
3.	Dr.C.Ramesh, Associate Professor/AERO	Academic Expert	Hindustan Institute of Technology and Science, Chennai.
4.	Dr.S.Venkatachalam, Associate Professor/Aerospace	Academic Expert	Karunya Institute of Technology and Sciences, Coimbatore.
5.	Mr.J.Balakannan, Managing Director.	Industry Expert	Jet Aerospace Aviation Research Center, Kanjikode, Kerala.
6.	Mr.P. Mohammed Zamman, Analyst	Alumni	Capgemini Services Pvt Ltd, Bangalore.
7.	Mr.D.Rajkumar, Assistant Professor	Internal Members	
8.	Mr.G.Sasi, Assistant Professor		
9.	Mr.P.Prasanna, Assistant Professor		
10.	Mr.K.Gokulnath, Assistant Professor		
11.	Mr.P.Karthikeyan, Assistant Professor		
12.	Mr.R.Nallappan, Assistant Professor		



## AGENDA:

- The Curriculum and syllabus for the 5<sup>th</sup> and 6<sup>th</sup> semester of Regulations 2019 (For the students admitted during the academic year 2019-2020)
- The Curriculum and syllabus for the 3<sup>rd</sup> and 4<sup>th</sup> semester of Regulations 2019 (For the students admitted during the academic year 2020-2021)
- List of one credit and value added courses
- Panel of examiners

## Suggestions by the members:

1. AE20306 STRENGTH OF MATERIALS LABORATORY Course
  - To change the title of Exp. No 3 as "Determine the shear modulus of Mild steel rod using tension test".
  - To change the title of Exp. No 4 as "Determine the young's modulus of mild steel rod using torsion test".
  - To shift the Exp No. 7 and 8 from 3<sup>rd</sup> semester to 5<sup>th</sup> semester Aircraft structures I lab. Include Perform the Reverse plate bending Fatigue test and Perform the Rotating Beam Fatigue test.
2. AE20402 AIRCRAFT PROPULSION Course
  - It was suggested to add piston engine basics in UNIT I and compressor surging in Unit IV.
  - In UNIT IV it was suggested to add Radial flow turbine topic.
3. AE20403 AIRCRAFT STRUCTURES I Course
  - It was suggested to list out the derivations specifically under the topic "columns with various end conditions" in Unit IV.
4. AE20406 AERODYNAMICS LABORATORY Course
  - It was suggested to add calibration of subsonic wind tunnel as experiment number I.
5. AE19502 AERODYNAMICS II Course
  - It was suggested to arrange the units in the order One Dimensional Compressible Flow, Normal and Oblique Shocks.
6. AE19503 RAMJET AND ROCKET PROPULSION Course
  - It was suggested to add Ramjet basics in Unit I



7. AE19602 COMPOSITE MATERIALS AND STRUCTURES Course

- The titles of UNITS I and II need to be specific such as Introduction to Composites and Methods of Analysis.

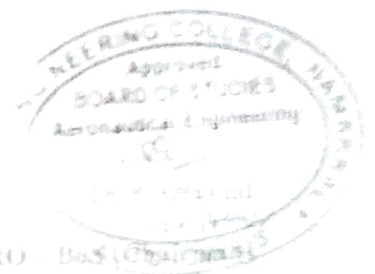
8. AE19604 CAD AND CAM LAB FOR AERONAUTICAL APPLICATIONS Course

- To change the title of experiments which starts with "Design" into "Drawing"

9. AE19152 VIBRATIONS AND ELEMENTS OF AEROELASTICITY Course

- It was suggested to include names of the sub topics under the UNITS III, IV and V
- In Unit III add Eigen value problems, Hamilton's principle
- In Unit IV add Rayleigh method, Holzer Method
- In Unit V add Basic ideas on wing divergence, Flutter and its Prevention

The above suggestions were given by the members and approved the syllabi for the 3<sup>rd</sup> and 4<sup>th</sup> semester of 2019-20 admitted students, 3<sup>rd</sup> and 4<sup>th</sup> semester of 2020-2021 admitted students of Regular and 2019(CBCS), one credit courses, value added courses and panel of examiners



HoD / AERO - BoS (AERO) (2019)

Position in the committee	University Nominee	Academic Expert	Academic Expert	Industry Expert
Name & Designation	Dr. B.T.N. Sridhar, Professor/AERO, MIT Campus, Anna University, Chennai.	Dr. C. Ramesh, Associate Professor/AERO, Hindustan Institute of Technology and Science, Chennai	Dr. S. Venkatasubramanian, Associate Professor/Aeronautics, Karunya Institute of Technology and Sciences, Coimbatore.	Mr. J. Balakrishnan, Managing Director, Jit Aeronautics, Aviation & Space, Civil Aviation, Kerala.
e-Signature				