



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 2022-2023

Date: 20.06.2022

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	81
2.	Teachers	08
3.	Alumni	03
4.	Employer	03

Name of the course	Recommended by	Recommendation	Action Taken
Students Feedback			
Basics of aeronautical Engineering	Yuvaraj.R	Latest topics can be added	The recommendation is considered and forwarded for DAC approval
Fast Track mode	Srija	Fast track mode courses can be informed in advance	The recommendation is considered and forwarded for DAC approval
Project work	Harikrishnan	Prototype model based project should be encouraged	The recommendation is considered and forwarded for DAC approval
Faculty Feedback			
Fluid Mechanics and Machinery	P.Prasanna	Topics can be changed	The recommendation is considered and forwarded for DAC approval
Thermodynamics and heat transfer	K.Gokulnath	Syllabus to be modified	The recommendation is considered and forwarded for DAC approval
Flight mechanics	G.Sasi	Stability should be avoided in syllabus	The recommendation is considered and forwarded for DAC approval

Alumni Feedback

Over all course	Harish	Open electives may be utilised by all the students	The recommendation is considered and forwarded for DAC approval
III semester	Sree Santhosh kumar	Every student is having fear of future because of III semester subjects	The recommendation is considered and forwarded for DAC approval
Employer Feedback			
UAV and MAV	J.Bala kannan	UAV courses and internships to be implemented	The recommendation is considered and forwarded for DAC approval
NDT	D.Arul Jothi	NDT courses can be given as both theory and Lab	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	AP	Member	
3.	G.Sasi	AP	Member	
4.	P.Prasanna	AP	Member	
5.	K.Gokulnath	AP	Member	

**HOD/AERO**

HEAD OF THE DEPARTMENT
 DEPARTMENT OF AERONAUTICAL ENGINEERING
 PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
 PACHAL, NAMAKKAI - 637 018

**PRINCIPAL**

PRINCIPAL
 PAAVAI ENGINEERING COLLEGE
 NH-7, PACHAL Post, NAMAKKAI Dist

PAAVAI ENGINEERING COLLEGE
(Autonomous)
MINUTES OF THE 8th BOARD OF STUDIES MEETING
(ONLINE MODE)
DEPARTMENT OF AERONAUTICAL ENGINEERING
12.08.2022 & 10.00 AM

MEMBERS PRESENT

S.No	NAME & DESIGNATION	POSITION IN THE COMMITTEE	COLLEGE/ UNIVERSITY/INDUSTRY
1	Dr.R.Arravind, HoD & Professor	Chairman	Paavai Engineering College
2	Dr.B.T.N Sridhar, Professor/ Aerospace	University Nominee	Anna University, Chennai
3	Dr.S.Venkatachalam, Associate Professor/Aerospace	Academic Expert 1	Karunya Institute of Technology and Science, Coimbatore
4	Dr.C.Ramesh, Associate Professor/Aeronautical	Academic Expert 2	Hindustan Institute of Technology and Science,
5	Mr.J.Balakannan/ Managing Director	Industry Expert	Jet Aerospace Aviation Research Center, Kerala
6	Mr P.Mohammed Zamman/ Analyst	Alumni	Capgemini, Bangalore
7	Mr.D.Rajkumar/Asst.Prof / Aero	Member	Paavai Engineering College
8	Mr.G.Sasi Asst.Prof / Aero	Member	Paavai Engineering College
9	Mr.P.Prasanna Asst.Prof / Aero	Member	Paavai Engineering College
10	Mr.K.Gokulnath/Asst.Prof/ Aero	Member	Paavai Engineering College
11	Mr.M.Benedict/ Asst.Prof / Aero	Member	Paavai Engineering College

AGENDA

1. Chairman / BoS welcomed all members for the 8th meeting of Board of Studies.
2. Chairman / BoS introduced the members to the Board of Studies.
3. Chairman / BoS briefed the members about agenda.

Minutes:

1. Chairman / BoS discussed the status of implementation of 8th BoS suggestions to the members of Board of Studies.
2. B.E. Aeronautical Engineering Passing of the following details:
 - Syllabi of seventh and eighth semester (academic year 2022-2023) for the batches of students admitted during the academic year 2019-2020 under Regulations 2019
 - Ratification of fifth semester syllabi (academic year 2022-2023) for the batches of students admitted during the academic year 2020-2021 under Regulations 2019 CBCS.
 - By the suggestions of University Nominee & Academic Experts the existing subject AE20153 Aircraft Materials in V semester has been changed as AE20153 Helicopter Maintenance for the batches of students admitted during the academic year 2020-2021 under Regulations 2019 CBCS.
 - Syllabi of seventh and eighth semester for the batches of students admitted during the academic year 2020-2021 under Regulations 2019 CBCS.
 - List of one credit courses for the UG Programme.
 - List of value-added courses for the UG Programme.
 - Amendments of Environmental Science and Engineering for 6th semester.
 - Examination pattern as per Anna University.
 - NPTEL online courses.
 - Panel of Examiner as follows,

S.no	Name of The Examiner	College Name
1	S.Karthik	Excel Engineering College(Autonomous)
2	R.Vijayanandh	Kumaraguru College of Technology(Autonomous)
3	R.Kousik Kumar	Nehru Institute of Engineering & Technology(Autonomous)
4	G.Rajkumar	Kumaraguru College of Technology(Autonomous)
5	G.Velmurugan	Excel Engineering College(Autonomous)
6	Dr.M.Ganesh	Hindusthan College of Engineering & Technology(Autonomous)

3. The following are the suggestions given by the members of Board of Studies:

UG Curriculum and Syllabi (VII & VIII SEMESTER) admitted during the academic year 2019-2020 under Regulations 2019 CBCS.

The members of the board suggested the following:

- **AE19701- Aircraft Design:**
 - ✓ Course objectives & outcomes need to change as per Blooms Taxonomy
 - ✓ Unit V ,title need to change.
- **AE19801: Rockets and Missiles**
 - ✓ Preferred text book must be a new edition.
- **AE19351: Cryogenics Engineering**
 - ✓ Unit IV, titled need to change as Cryogenic Rocket Systems
- **AE19352: Theory of Elasticity**
 - ✓ In unit I add compatibility conditions & Equilibrium Equation
 - ✓ In Unit II add Mohr's circle theory
- **AE19354: Computational Fluid Dynamics**
 - ✓ In Unit III ,need to change the title as Implicit & Explicit Method
 - ✓ New edition text book need to update.
- **AE19451: High Temperature Materials**
 - ✓ Unit I, title need to change.
 - ✓ Unit I , add Historical Development; requirements of HTM.
- **AE19452: Wind Tunnel Techniques**
 - ✓ In Unit II ,add classification of Wind Tunnel
- **AE19551: Fatigue and Fracture**
 - ✓ In Unit I, need to add introduction of Fatigue, R ratio, S-N curves.
- **AE19651: Industrial Aerodynamics**
 - ✓ In Unit V add practical applications.
 - ✓ In Unit II add Vehicle Aerodynamics
- **AE19905: Aircraft Safety**
 - ✓ In Unit III, title need to change.
- Amendments for Mandatory course approval for the Regulations 2019 (2020 admitted candidates, lateral entry), Environmental Science and Engineering for 6th semester.

- Other courses approved in 7th BoS are applicable to the 5th and 6th semester with code change for 2020 admitted candidates of Regulations 2019 CBCS..
- 7th and 8th semester syllabi approved for the students admitted during the academic year 2019-2020 under Regulations 2019 with code change .
- Curriculum of UG Programme can be modified as per the suggestions given.

NEW COURSES

S.NO	COURSE CODE	COURSE NAME	CATAGEORY	REGULATIONS
1	AE20153	Helicopter Maintenance	Professional elective I	2020-2021 admitted candidates of Regulations 2019
2	AE19702	Unmanned Aerial Vehicle System	Professional Core	2019-2020 admitted candidates of Regulations 2019.
3	AE19253	Additive Manufacturing	Professional Elective II	2019-2020 admitted candidates of Regulations 2019.
4	AE19353	Nano Science and Technology	Professional Elective III	2019-2020 admitted candidates of Regulations 2019
5	AE19451	High Temperature Materials	Professional Elective IV	2019-2020 admitted candidates of Regulations 2019
6	AE19451	Intellectual Property Rights	Professional Elective IV	2019-2020 admitted candidates of Regulations 2019
7	BA19651	Disaster Management	Professional Elective VI	2019-2020 admitted candidates of Regulations 2019
8	AE19551	Fatigue and Fracture	Professional Elective V	2019-2020 admitted candidates of Regulations 2019

PAAVAI ENGINEERING COLLEGE
(Autonomous)
B.E AERONAUTICAL ENGINEERING
ONE CREDIT COURSE
REGULATIONS 2019
CHOICE BASED CREDIT SYSTEM

List of one credit courses for the UG Programme.

S.No	Category	Course Code	Course Title
1	OCC	AE20951	Design Thinking
2	OCC	AE20952	General awareness, communication and Aero engines
3	OCC	AE20953	Mesh tools for industrial approach

Other One Credit Courses offered for our students.

S.No	Category	Course Title
1	OCC	NPTEL/Swayam(online Course)

List of value-added courses for the UG Programme.

S.NO	Course Code	Course Title
1	22AEVC301	Design and Drafting using Solid Works
2	22AEVC401	Autodesk 360
3	22AEVC501	UAV Design and modelling
4	22AEVC601	CATIA with Industrial approach
5	22AEVC701	Ansys with Industrial approach
6	22AEVC801	Technical Publications

2. Chairman/BOS thanked all the members for their active participation, suggestions and contribution made for recommending the B.E. Aeronautical Engineering, the syllabi of UG 7th and 8th semester for the students admitted during 2019-2020, UG curriculum and syllabi of 5th,6th semester for 2020-2021 admitted students to the academic council.

Dr.R.Arravind,HoD & Professor
Professor / Chairman – BoS (AERO)

8th BoS suggestion Approved

S.no	Position in the Committee	Name & Designation	e-Signature
1	Dr.R.Arravind,HoD & Professor	Chairman	
2	Dr.B.T.N Sridhar, Professor/ Aerospace	University Nominee	
3	Dr.S.Venkatachalam, Associate Professor/Aerospace	Academic Expert 1	
4	Dr.C.Ramesh, Associate Professor/Aeronautical	Academic Expert 2	
5	Mr.J.Balakannan/ Managing Director	Industry Expert	
6	Mr P.Mohammed Zamman/ Analyst	Alumni	