



EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA and NAAC with "A+" and Recognized by UGC(2f&12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF AERONAUTICAL ENGINEERING THIRD BOARD OF STUDIES MINUTES OF MEETING

Meeting No : EEC/AERO/BoS/3
Date : 25.02.2022
Time : 02.30 pm
Venue : Online Mode (Via Zoom meeting)
Link : <https://us02web.zoom.us/j/8848481566?pwd=ckZyRWl0SVF5VnNlWbTBseU5Wck5LQT09>
ID : 884 848 1566
Pass code : excel@123

Agenda:

1. To discuss and pass the **syllabi of the courses of III year B.E. Aeronautical Engineering Programme** for the students admitted from 2020-21 academic year onwards under Regulation 2020.
2. To discuss and pass the **Syllabi of Professional Elective courses offered for B.E.Aeronautical Engineering Programme** for the students admitted from 2020-21 academic year onwards under Regulation 2020.
3. To discuss and pass the **Syllabi of Open Elective courses** offered to other programme students admitted from the academic year 2020-21 onwards under Regulation 2020.
4. To discuss and pass the **Syllabi of One credit courses** offered during V and VI semester of B.E Aeronautical Engineering Programme for the students admitted from 2020-21 academic year onwards under Regulation 2020.
5. To discuss and pass the syllabi of the courses of **II year M.E. Industrial Safety Engineering Programme** for the students admitted from 2021-22 academic year onwards under Regulation 2020.
6. To discuss and pass the **curriculum of the M.E. Aeronautical Engineering Programme** for the students admitted from 2022-23 academic year onwards under Regulation 2022.

7. To discuss and pass the **syllabi of the courses of 1 year M.E. Aeronautical Engineering Programme** for the students admitted from 2022-23 academic year onwards under Regulation 2022.
8. To discuss and pass the **curriculum of the M.E. Industrial Safety Engineering Programme** for the students admitted from 2022-23 academic year onwards under Regulation 2022.
9. To discuss and pass the **syllabi of the courses of 1 year M.E. Industrial Safety Engineering Programme** for the students admitted from 2022-23 academic year onwards under Regulation 2022.
10. To discuss and pass the **Syllabi of subjects for Ph.D Course work**.
11. Any other Matters.

Resolutions

1. Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the curriculum and syllabi of B.E. Aeronautical Engineering programme with the following changes.

Semester- V & VI – B.E (Aero) R2020

RECOMMENDATION	RESOLUTION
B.IS.3.1. Mr.Ramanathan recommended to include the topics Design of wings, Ribs & Joints in the course Aircraft Structural Analysis .	B.IS.R 3.1. The topics Design of wings, Ribs & Joints have been included in the course Aircraft Structural Analysis .
B.IS.3.2. Mr.Thirunghana Sambandam recommended to include the topic loads of aircraft in any of the theory courses.	B.IS.R 3.2. The topic loads of aircraft has been included in the course Aircraft Structural Analysis .
B.IS.3.3. Mr. Ramanathan recommended to include the topics Spin tunnel, Trisonic wind tunnel and Aeroballistic range (ABR) in the course Wind Tunnel Techniques .	B.IS.R 3.3. The topics Spin tunnel, Trisonic wind tunnel and Aeroballistic range (ABR) have been included in the course Wind Tunnel Techniques .
B.IS.3.4. Mr. Ramanathan recommended to change the theory course Hyper mesh as a practical course .	B.IS.R 3.4. Hyper mesh exercises has been included in the practical course Analysis and Simulation Laboratory .
B.IS.3.5. Mr. Ramanathan recommended to include the topic difference between missiles, rockets, drones and UAV in the course Rockets and Missiles .	B.IS.R 3.5. The topic difference between missiles, rockets, drones and UAV has been included in the course Rockets and Missiles .

Semester- III – M.E (ISE) R2020

RECOMMENDATION	RESOLUTION
<p>B.IS.3.6. Mr.Thirunghana Sambandam recommended to remove the elective course Research Methodology as the topics available in the course Research Methodology and Intellectual Property Rights.</p>	<p>B.IS.R 3.6. As per the suggestion the elective course Research Methodology has been removed and the syllabus of the course Research Methodology and Intellectual Property Rights has been revised.</p>

Semester- I & II – M.E (Aero) R2022

RECOMMENDATION	RESOLUTION
<p>B.IS.3.7. Mr.Thirunghana Sambandam recommended to include the course Advanced Composite Materials in the curriculum.</p>	<p>B.IS.R 3.7. The course Advanced Composite Materials has been included as an elective subject in the curriculum.</p>

Semester- I & II – M.E (ISE) R2022

RECOMMENDATION	RESOLUTION
<p>B.IS.3.8. Mr.Thirunghana Sambandam recommended to remove the elective course Research Methodology in the curriculum as the topics will be available in the course Research Methodology and Intellectual Property Rights.</p>	<p>B.IS.R 3.8. As per the suggestion the elective course Research Methodology has been removed in the curriculum as the topics will be included in the course Research Methodology and Intellectual Property Rights.</p>

General Points

RECOMMENDATION	RESOLUTION
<p>B.IS.3.9. Dr.P.L.K.Palaniappan recommended to verify the CO-PO mapping and blooms level in all the courses.</p>	<p>B.IS.R 3.9. As per the recommendation the CO-PO mapping and blooms level has been verified and updated in all the courses.</p>


 Chairman - Board of Studies

DEPARTMENT OF AERONAUTICAL ENGINEERING

THIRD BOS MEETING HELD ON 25.02.2022

You are viewing Dr.S.P.VENKATESAN,HOD/AERO/EEC's screen

Recording

DEPARTMENT OF AERONAUTICAL ENGINEERING

Post Graduate Programme-Regulation 2020

M.E (INDUSTRIAL SAFETY ENGINEERING)

Curriculum for All the Semester

Syllabus for III & IV Semester(Core Subject)

Syllabus for III Semester(Elective Subject)

Post Graduate Programme-Regulation 2022

M.T (AERONAUTICAL ENGINEERING)

Curriculum for All the Semester

Syllabus for I & II Semester

M.E (INDUSTRIAL SAFETY ENGINEERING)

Curriculum for All the Semester

Syllabus for I & II Semester(Core Papers)

Syllabus for I & II Semester(Elective Papers)

Ramanathan S

Ramanathan S

velmurugan

velmurugan

Dr.S.P.VENKATESAN HO

C THIRUGNANA...

C THIRUGNANA SAMBA...

Palaniappan PLK

Palaniappan PLK

Click to join audio

Join Audio Start Video Participants 10 Chat Share Screen Record Reactions Apps Leave

Windows Taskbar: File Explorer, Google Chrome, Search, bos 9 - Part, 3:40 PM 2/25/2022

You are viewing Dr.S.P.VENKATESAN,HOD/AERO/EEC's screen

View Options

karthik S

Prof. Dr. Karuna...

Dr.Madhanraj V

Prof. Dr. Karunakaran...

Dr.Madhanraj V

J. Senthil Kumar, AP/...

PPT 18_BOS.pptx

B.E AERONAUTICAL EN 2020.pdf

B.E IV YEAR SYLLABUS.pdf

B.E ELECTIVE PAPERS.pdf

20AEE03

Boundary Layer Theory

	L	T	P	C
	3	0	0	3

Nature of Course Professional Elective

Pre requisites Basics of Fluid Mechanics, Aerodynamics I, Computational Fluid Dynamics

Course Objectives

The course is intended to

1. To learn the fundamentals of Boundary Layer Theory.
2. To study the fluid flows and flow separation
3. To study about wind tunnel techniques

Course Outcomes

On successful completion of the course, students will be able to

CO. No.	Course Outcome	Bloom's Level
CO1	Know about the basic fundamentals of Different types of Boundary layer thickness	Apply
CO2	Understand the behavior of the fluid flow under static condition	Apply
CO3	Understand the basics of different types of flows such as laminar, turbulent and compressible, incompressible, viscid and inviscid flow	Apply
CO4	Know the basics of flow separation and boundary layer control	Understand

Click to join audio

Join Audio Start Video Participants 12 Chat Share Screen Record Reactions Apps Leave

Windows Taskbar: File Explorer, Google Chrome, Search, bos 4 - Part, 3:45 PM 2/25/2022

Recording

You are viewing Dr.S.P.VENKATESAN.HOD/AERO/EEC's screen

View Options

Dr.S.P.VENKATE...

vevmurugan

Dr.S.P.VENKATESAN.HOD/AERO/EEC

vevmurugan

Palaniappan PL.K

C THIRUGNANA SAMBANDAM

Palaniappan PL.K

SELVARAJ S P

S.Prabhu

SELVARAJ S P

S.Prabhu

20AE602	Composite Mat
Nature of Course	Professional Core
Pre requisites	Engineering Materials and

Course Objectives:
 The course is intended to

1. To make the student understand the analysis conditions and different environmental conditions
2. To learn the manufacturing of composite materials

Course Outcomes
 On successful completion of the course, students will be able to

CO. No.	Course Outcome	Bloom's Level
CO1	Understanding the mechanics of composite materials	Understand

Click to join audio

Join Audio Start Video

Participants 12 Chat Share Screen Record Reactions Apps Leave

Zoom Meeting Participant ID: 493106

Recording

Ramanathan S

vevmurugan

Ramanathan S

vevmurugan

C THIRUGNANA...

C THIRUGNANA SAMBANDAM

Palaniappan PL.K

SELVARAJ S P

S.Prabhu

Palaniappan PL.K

SELVARAJ S P

S.Prabhu

Mr. Balakannan - MD - Jet Aerospa...

Prof. Dr. Karuna...

Prof. Dr. Karunakaran P

J. Senthil Kumar, AP/Aero

Click to join audio

Join Audio Start Video

Participants 10 Chat Share Screen Record Reactions Apps Leave

AERO VADIVEL

5:09 PM 2/25/2022



EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA and NAAC with "A+" and Recognized by UGC(2f&12B)
KOMARAPALAYAM - 637303

DEPARTMENT OF AERONAUTICAL ENGINEERING THIRD BOARD OF STUDIES MEETING HELD ON 25.02.2022 (TIME: 2.30 P.M.)

Members Present:

S.NO	Name of the Member	Designation	Signature
1.	Dr.S.P.Venkatesan	Chairman	
2.	Dr.P.L.K.Palaniappan	University Nominee	
3.	Dr.R.Varahamoorthi	Subject Expert	
4.	Dr.P.Parthipan	Subject Expert	
5.	Mr.S.Ramanathan	Industry Representative	
6.	Dr.D.Giridhar	Special Invitee	
7.	Mr.Thirugnana Sambandam	Special Invitee	
8.	Dr.K.Prabhu	Special Invitee	
9.	Dr.V.Madhanraj	UG Alumnus	

10.	Mr.J.Balakannan	PG Alumnus	J. Balakannan
11.	Mr.M.Sangilipandi	UG Student	M. Sangilipandi
12.	Ms.K.Sopiya	UG Student	K. Sopiya
13.	Mr.Moaz Hussain	PG Student	Moaz Hussain
14.	Dr.P.Karunakaran	Faculty Member	P. Karunakaran
15.	Prof.K.Vijay Babu	Faculty Member	K. Vijay Babu
16.	Prof.S.BalaSundaram	Faculty Member	S. BalaSundaram
17.	Prof.N.Sreenivasaraja	Faculty Member	N. Sreenivasaraja
18.	Prof.D.Vadivel	Faculty Member	D. Vadivel
19.	Prof.G.Velmurugan	Faculty Member	G. Velmurugan
20.	Prof.S.Prabhu	Faculty Member	S. Prabhu
21.	Prof.S.Karthik	Faculty Member	S. Karthik
22.	Prof.S.Prasanth	Faculty Member	S. Prasanth
23.	Prof.S.R.Arun	Faculty Member	S. R. Arun
24.	Prof.J.Senthil kumar	Faculty Member	J. Senthil kumar
25.	Prof.M.G.Raja Gopal	Faculty Member	M. G. Raja Gopal
26.	Prof.M.Sanjay	Faculty Member	M. Sanjay
27.	Prof.D.Gurubhatham	Faculty Member	D. Gurubhatham
28.	Prof.O.R.Lalitha	Faculty Member	O. Lalitha