



# 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 FOURTH BOARD OF STUDIES MINUTES OF MEETING

**Meeting No** : EEC/AERO/BoS/4  
**Date** : 28.03.2023  
**Time** : 02.00 pm  
**Venue** : TVR Hall

### Agenda:

1. To discuss and pass the syllabus of VII Semester for B.E Aeronautical Engineering programme for the students admitted from the academic year 2020 – 21 onwards under Regulation 2020.
2. To discuss and pass the courses for B.E. (Honours) specialization in the same discipline and B.E. (Honours) for the students admitted from the academic year 2021-22 onwards under Regulation 2020 / V2.
3. To discuss and pass the curriculum and syllabi of Minor Degree programme in Drone Technology for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.
4. To discuss and pass the curriculum of B.E Aeronautical Engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
5. To discuss and pass the first year syllabi of B.E Aeronautical Engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
6. To discuss and pass the second year III Semester syllabi of M.E Aeronautical Engineering for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
7. To discuss and pass the second year III Semester syllabi of M.E Industrial Safety engineering for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
8. Any other Matters.

## Resolutions

**B.AE.R.4.1.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of seventh semester B.E. Aeronautical Engineering programme with the following changes.

RECOMMENDATION	RESOLUTION
<b>B.AE.4.1.1.</b> Dr.P.L.K.Palaniappan suggested to verify the <b>Cos with Bloom's level</b> for all the courses.	<b>B.AE.R.4.1.1.</b> As per the suggestion the <b>Cos with Bloom's level</b> has been verified and updated in all the courses.
<b>B.AE.4.1.2.</b> Dr.P.L.K.Palaniappan suggested to verify the <b>CO-PO mapping and assessment level</b> for all the courses.	<b>B.AE.R.4.1.2.</b> As per the suggestion the <b>CO-PO mapping and assessment level</b> has been verified and updated in all the courses.
<b>B.AE.4.1.3.</b> Dr.P.L.K.Palaniappan recommended to verify the <b>blooms level in Aircraft systems and flight simulator laboratory course.</b>	<b>B.AE.R.4.1.3.</b> As per the recommendation the <b>blooms level in Aircraft systems and flight simulator laboratory course</b> has been verified and updated.

**B.AE.R.4.2.** Resolved to pass the courses for **B.E. (Honours) specialization in the same discipline and B.E. (Honours) for the students** admitted from the academic year 2021-22 onwards under Regulation 2020 / V2.

**B.AE.R.4.3.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for **curriculum and syllabi of Minor Degree programme in Drone Technology** for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.

RECOMMENDATION	RESOLUTION
<b>B.AE.4.3.1.</b> Dr.R.Varahamoorthi asked <b>clarification for having UAV Part II course</b> in minor degree.	<b>B.AE.R.4.3.1.</b> <b>Clarification has been given for having UAV Part II course</b> and conveyed about the content of Design of UAV systems course.

**B.AE.R.4.4.** Resolved to pass the **curriculum of B.E Aeronautical Engineering** for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.

**B.AE.R.4.5.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the **first year syllabi of B.E Aeronautical Engineering** for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023 with the following changes.

RECOMMENDATION	RESOLUTION
<b>B.AE.4.5.1.</b> Dr.R.Varahamoorthi suggested to verify the contents of Engineering Graphics course along with other departments.	<b>B.AE.R.4.5.1.</b> As per the suggestion the contents of Engineering Graphics has been verified for the course along with other departments.

**B.AE.R.4.6.** Resolved to pass the **second year III Semester syllabi of M.E Aeronautical Engineering** for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.

**B.AE.R.4.7.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for **second year III Semester syllabi of M.E Industrial Safety engineering** for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022 with the following changes.

RECOMMENDATION	RESOLUTION
<b>B.AE.4.7.1.</b> Dr.R.Varahamoorthi suggested to remove the elective course <b>Research Methodology</b> in the curriculum as the topics are available in the course <b>Research Methodology and Intellectual Property Rights</b> .	<b>B.AE.R.4.7.1.</b> As per the suggestion the elective course <b>Research Methodology</b> has been removed in the curriculum as the topics are included in the course <b>Research Methodology and Intellectual Property Rights</b>
<b>B.AE.4.7.2.</b> Dr.P.L.K.Palaniappan recommended to check the content of all elective subjects for avoiding the overlapping of contents.	<b>B.AE.R.4.7.2.</b> As per the recommendation the content of all elective subjects were verified for avoiding the overlapping of contents.

  
University Nominee

  
Academic Expert

Industry Expert

  
Chairman - Board of Studies

  
Principal



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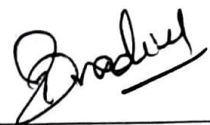
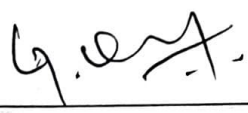
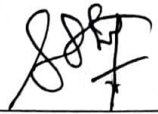

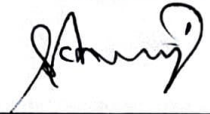
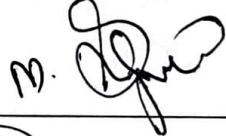




FOURTH BOARD OF STUDIES MEETING

Members Present

Date: 28.03.2023

S.No	Name and Affiliation	Designation	Signature
1.	Dr.PL.K.Palaniappan Professor Mechanical Engineering Thiyagarajar College of Engineering Madurai- 625015 Mobile No 9443463523	University Nominee	 28/03/2023
2.	Dr.P.Parthiban, Associate Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli-620015. Email: parthiban@nitt.edu Phone No:9443430246	Academic Expert	— AB —
3.	Dr.R.Varahamoorthi, Professor, Department of Manufacturing Engineering, Annamalai University, Annamalai Nagar-608002. Email: drvarahamoorthi@gmail.com Phone No:9443986724	Academic Expert	 28/3/2023
4.	Mr.S.Ramanathan, A&D Senior Advisor, Premier Evolvics, Premier Group, Norwood Complex Prestige Sunrise Park Apartments Electronic city, Phase-1, Bangalore- 560100. Email: sramnath9@gmail.com Phone No:9845594400	Industry Expert	— AB —
5.	Dr.D.Giridhar, Technology Consultant, HB-SET Pvt Ltd, Ambattur, Chennai-6000058. Email: dgirimech1@gmail.com Phone No:9791177621	Industry Expert	— AB —

6.	Mr.Thirugnanasambandam, Scientist / Engineer "F", Airframe Directorate, Aeronautical development Agency, (Ministry of Defense, Govt. of India P.B.No:1718, Vimanapura Post Bangalore-560017. Email:sambandam@jetmail.ada.gov.in, samba.scientist@gmail.com Phone No: 9448584648	Industry Expert	— AB —
7.	Dr.K.Prabhu, Managing Director, The Creator Industries, #367, 4/5, Kongalamman Nagar, Elavamalai Erode-638316. Email: thecreatorindustries@gmail.com Phone No: 6374106010	Industry Expert	— AB —
8.	Dr.V.Madhanraj, Assistant Professor (S.S), Hindustan Institute of Technology and Science, Chennai. Email: mtechmadhan@gmail.com Phone No:9488683240	PG Alumni	— AB —
9.	Mr.J.Balakannan, Managing Director – Jet Aerospace, UAV/UAS Research Scientist, Near KTC Kanjikode Industrial Area, Palakkad-678623, Kerala. Email: info.jetaerospace@gmail.com Phone No: 8883276477	UG Alumni	— AB —
10.	Dr.S.P.Venkatesan	Professor & Head	
11.	Dr.P.Karunakaran	Professor	
12.	Mr.K. Vijay Babu	Associate Professor	
13.	Mr.S.Prabhu	Assistant Professor	
14.	Mr.J.Senthil Kumar	Assistant Professor	

15.	Mr.N.Sreenivasaraja	Assistant Professor	
16.	Mr.S.Balasundaram	Assistant Professor	
17.	Mr.D.Vadivel	Assistant Professor	
18.	Mr.G.Velmurugan	Assistant Professor	
19.	Dr.S.Prashanth	Assistant Professor	
20.	Mr.S.Karthik	Assistant Professor	
21.	Mr.S.R.Arun	Assistant Professor	
22.	Mr.M.Sanjay	Assistant Professor	
23.	Dr.M.Gowtham	Assistant Professor	
24.	Mr.M.NambiRajan	Assistant Professor	
25.	Mr.R.Roopesh	Assistant Professor	
26.	Mr.R.Nallappan	Assistant Professor	



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## FOURTH BOARD OF STUDIES

### Images of the Meeting





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## DEPARTMENT OF AERONAUTICAL ENGINEERING FIFTH BOARD OF STUDIES MINUTES OF MEETING

**Meeting No** : EEC/AERO/BoS/5  
**Date** : 18.12.2023  
**Time** : 11.30 am  
**Venue** : Hyundai Seminar hall

### Agenda:

1. To discuss and pass the syllabus of VIII Semester B.E Aeronautical engineering programme for the students admitted from the academic year 2020 – 21 onwards under Regulation 2020.
2. To discuss and pass the curriculum and syllabi of Minor Degree programme in Drone Technology for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.
3. To discuss and pass the revised curriculum of B.E Aeronautical engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
4. To discuss and pass the first year second semester syllabi of B.E Aeronautical engineering for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.
5. To discuss and pass the second year fourth semester syllabi of M.E Aeronautical engineering for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
6. To discuss and pass the second year fourth semester syllabi of M.E Industrial safety engineering for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022.
7. Any other matters.



## Resolutions

**B.AE.R.5.1.** Resolved to pass the **syllabi of eighth semester B.E. Aeronautical Engineering programme** for the students admitted from the academic year 2020 – 21 onwards under Regulation 2020.

**B.AE.R.5.2.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for **curriculum and syllabi of Minor Degree programme in Drone Technology** for the students admitted from the academic year 2021 – 22 onwards under Regulation 2020 / V2.

RECOMMENDATION	RESOLUTION
<b>B.AE.5.2.1.</b> Dr. M.Mohanraj suggested to change the course title for 20AEM04 in minor degree.	<b>B.AE.R.5.2.1.</b> As per the suggestion Course title for 20AEM04 has been modified as <b>Sensor and Networks of Drones</b> in minor degree.

**B.AE.R.5.3.** Resolved to pass the **revised curriculum of B.E Aeronautical engineering** for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.

**B.AE.R.5.4.** Resolved to pass the **first year second semester syllabi of B.E Aeronautical Engineering** for the students admitted from the academic year 2023 – 24 onwards under Regulation 2023.

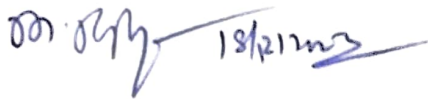
**B.AE.R.5.5.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for **second year IV Semester syllabi of M.E Aeronautical Engineering** for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022 with the following changes.


RECOMMENDATION	RESOLUTION
<b>B.AE.5.5.1.</b> Dr. M.R.Rajamanickam suggested to <b>rearrange the Bloom's Level for CO5</b> in the course 22PAE401 – Project work phase II.	<b>B.AE.R.5.5.1.</b> As per the suggestion <b>Bloom's Level for CO5</b> has been <b>rearranged</b> for the course 22PAE401 – Project work phase II.

**B.AE.R.5.6.** Resolved that the following recommendations may be passed to the standing committee of the Academic Council for **second year IV Semester syllabi of M.E Industrial Safety Engineering** for the students admitted from the academic year 2022 – 23 onwards under Regulation 2022 with the following changes.

RECOMMENDATION	RESOLUTION
<b>B.AE.5.6.1.</b> Dr. M.R.Rajamanickam suggested to <b>rearrange the Bloom's Level for CO5</b> in the course 22PAE401 – Project work phase II.	<b>B.AE.R.5.6.1.</b> As per the suggestion <b>Bloom's Level for CO5 has been rearranged</b> for the course 22PAE401 – Project work phase II.

  
University Nominee

  
18/12/2023

  
18.12.2023  
Academic Expert

  
18/12/2023  
Industry Expert

  
18/12/23  
Chairman - Board of Studies

  
18/12/23  
Principal



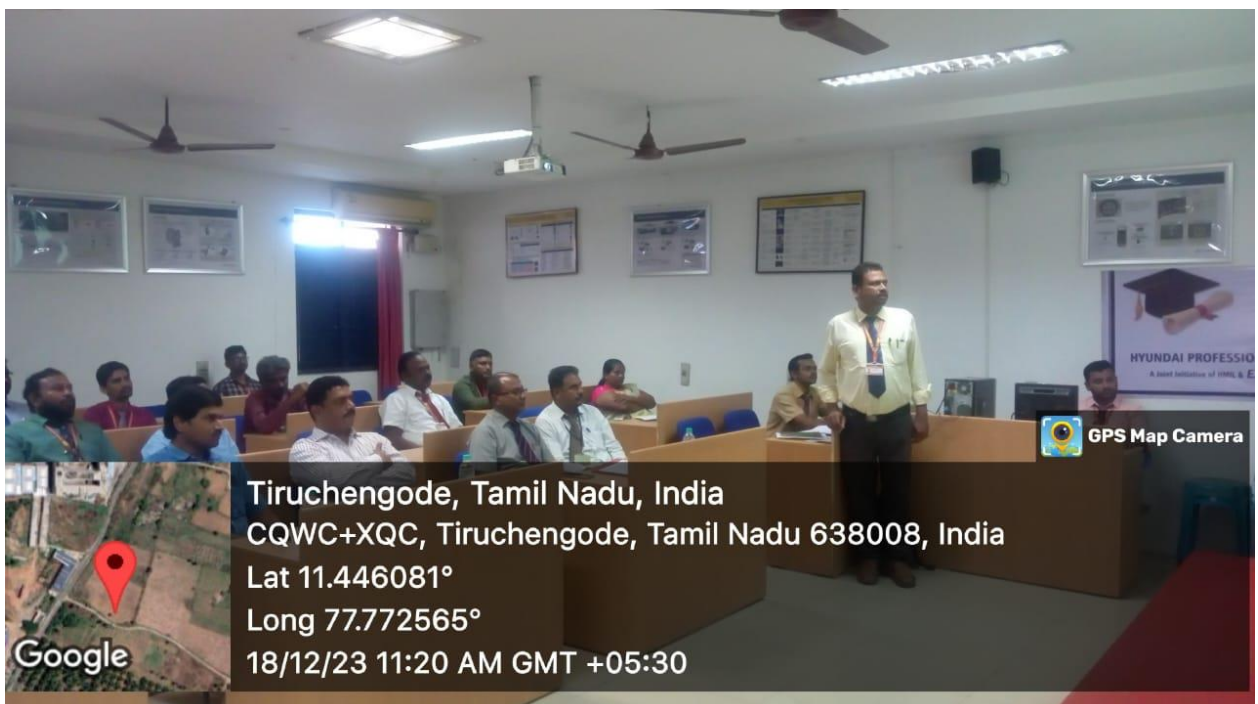
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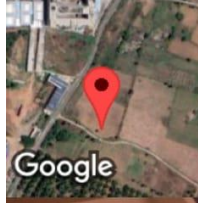
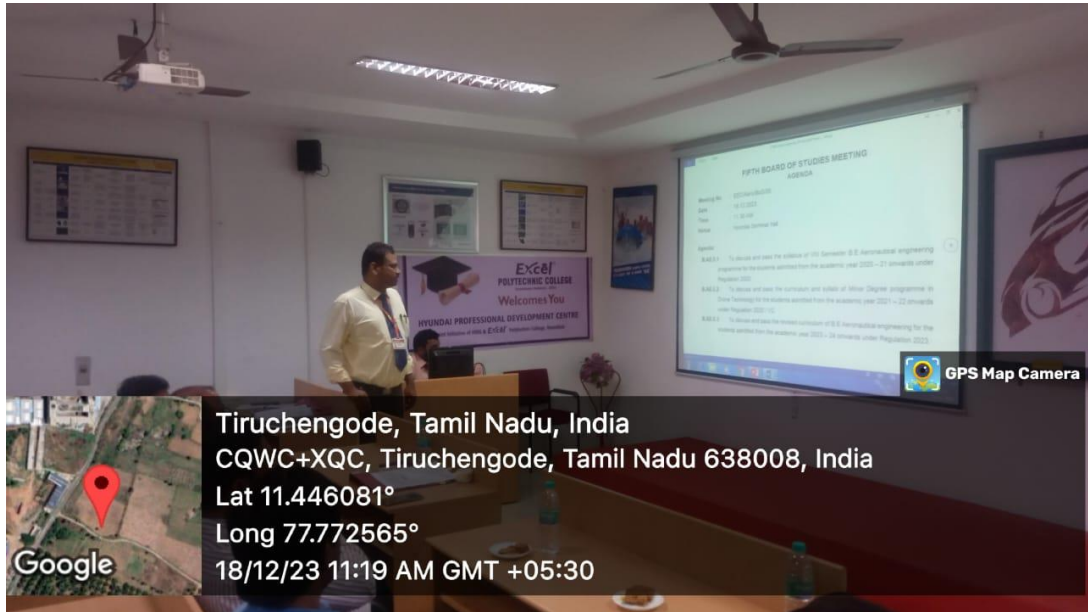
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## FIFTH BOARD OF STUDIES

### Images of the Meeting





Tiruchengode, Tamil Nadu, India  
CQWC+XQC, Tiruchengode, Tamil Nadu 638008, India  
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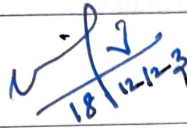
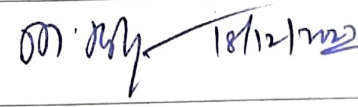


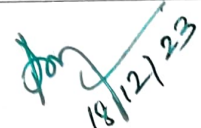

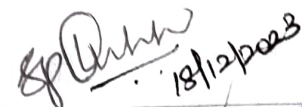


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FIFTH BOARD OF STUDIES MEETING

Members Present

Date: 18.12.2023

S.No	Name and Affiliation	Designation	Signature
1.	Dr.M.Mohanraj Government college of engineering , Salem – 636 011.	University Nominee	 18/12/23
2.	Dr.M.R.Rajamanickam Annamalai University, Chidambaram.	Academic Expert	 18/12/2023
3.	Dr. R. Senthil SRM Institute of Science and Technology, Chennai.	Academic Expert	 18.12.2023
4.	Mr.J.Mohammed Aashiq JK Industries (P) Ltd, Coimbatore-37.	Industry Expert	 18/12/23
5.	Mr.K.K.Tamilarasan Manager – HR Sakthi Auto Components Pvt Ltd Perundurai.	Industry Expert	— AB —
6.	R.Rojakannan Actalent Pvt Limited Bangalore	Alumni	— AB —
7.	Dr.K.Rajkumar	Chairman BoS / Professor	 18/12/23
8.	Dr.P.Karunakaran	Professor	 18/12/2023
9.	Dr.S.P.Venkatesan	Associate Professor	 18/12/2023
10.	Dr.A.Karthikeyan	Associate Professor	 19/12/2023
11.	Mr.K.Vijay Babu	Assistant Professor	 18/12/2023

12.	Mr.S.Prabhu	Assistant Professor	J. S 18/12/23
13.	Mr.J.Senthil Kumar	Assistant Professor	J. S 18/12/23
14.	Mr.N.Sreenivasaraja	Assistant Professor	N. S 18/12/23
15.	Mr.S.Balasundaram	Assistant Professor	S. B 18/12/23
16.	Mr.D.Vadivel	Assistant Professor	← AB →
17.	Mr.G.Velmurugan	Assistant Professor	← DD →
18.	Dr.S.Prashanth	Assistant Professor	S. Prashanth 18/12/23
19.	Mr.S.Karthik	Assistant Professor	S. K 18/12/23
20.	Mr.S.R.Arun	Assistant Professor	S. R. Arun 18/12/23
21.	Mr.M.Sanjay	Assistant Professor	M. S 18/12/23
22.	Dr.M.Gowtham	Assistant Professor	M. G 18/12/23
23.	Mr.M.NambiRajan	Assistant Professor	M. N 18/12/23
24.	Mr.R.Roopesh	Assistant Professor	R. R 18/12/23
25.	Mr.R.Nallappan	Assistant Professor	R. N 18/12/23