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#### Fifth Board of Studies meeting

Date | Time:- 25.06.2021 | 03.00 pm to 06.30 pm

Platform:- ZOOM

Link particulars:-

https://zoom.us/meeting/register/tJ0lcequrjguGtRoYr43-Jy8VHeexYgdfG58

Meeting id:- 998 6360 3400

Passcode:- 9507

### Chaired by

Dr.M.Kannan,

Professor and Head of the Department, FXEC.

### Members Present: -

- 1.Dr.A. Krishnaveni, Professor, GCE, Tirunelveli,
- 2.Dr.V. Senthikumar, Associate Professor, NIT Trichy
- 3.Dr.R. Sudhakara Pandian, Professor, VIT University
- 4.Mr.Srinivasa Raghavan, AVP Manufacturing, Alliance Tire Group
- 5. Mr. Arul Marcel Moshi M.E., (Ph.D), Assistant Professor, NEC

### **Internal Members**

- 1. Dr.J.Neethi Manickam, Professor | Mechanical | FXEC,
- 2. Dr. Zeenathul Farida Abdul Gani, Professor | Mechanical | FXEC,
- 3. Dr. R. Samuel Hansen, Professor | Mechanical | FXEC,
- 4. Dr. S.Joe Patrick Gnanaraj, Professor | Mechanical | FXEC,
- 5. Mr.M.Ayyanar Raja, Assistant Professor | Mechanical | FXEC,
- 6. Mr.K.Ariyanayagm, Assistant Professor | Mechanical | FXEC,
- 7. Mr.S.Thanumalaya Perumal, Assistant Professor | Mechanical | FXEC,
- 8. Mr. K.Robinston Jeyasingh, Assistant Professor | Mechanical | FXEC,
- 9. Mr. S.Sheikh Sulaiman, Assistant Professor | Mechanical | FXEC,
- 10. Mr. J.Jeremy Jeba Samuel, Assistant Professor | Mechanical | FXEC,
- 11. Mrs.K.S.Maheswari, Assistant Professor | Mechanical | FXEC,
- 12. Mr.M.Saravana Kumar, Assistant Professor | Mechanical | FXEC.





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Department of Mechanical Engineering

### External Members present:

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External Members present.			
Sl.No.	Members as per UGC norms	Members nominated	Signature
1.	Head of the Department concerned (Chairman)	Dr. M. Kannan Professor and Head Department of Mechanical Engineering Francis Xavier Engineering College Tirunelveli	Fannen.
2.	One Expert nominated by the Vice Chancellor from a panel of six recommended by the college Principal	Dr. A. Krishnaveni Professor Department of Mechanical Engineering, Government College of Engineering, Tirunelveli.	Dr. A. Krishnave
3.	Experts in the subject from outside the college nominated by the academic council	Dr. V. Senthil Kumar, Associate Professor, Department of Production Engineering, NIT, Tiruchirapalli Tamilnadu.	
4.	Experts in the subject from outside the college nominated by the academic council	Dr. R. R.Sudhakara Pandian, Professor, School of Mechanical Engineering, VIT, Vellore	
5.	One representative from industry / corporate sector / allied area relating to placement	Mr. R. Srinivasa Raghavan, AVP, Manufacturing, Alliance Tire Group, Tirunelveli.	Jumi
6.	One Post Graduate meritorious aluminous nominated by the Principal	Mr. A. Arul Marcel Moshi Assistant Professor, Department of Mechanical Engineering, National Engineering College, Kovilpatti.	



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Department of Mechanical Engineering

## Internal Members present in 5th BoS meeting held on 25th June, 2021 at 3.30 pm

S.No.	Members	Signature
1	Dr.I.Neethi Manickam, Professor   Mechanical   FXEC,	S.NM
2	Dr. Zeenathul Farida Abdul Gani, Professor   Mechanical   FXEC	(F)
3	Dr. R. Samuel Hansen, Professor   Mechanical   FXEC	rk '
4	Dr. S.Joe Patrick Gnanaraj, Professor   Mechanical   FXEC	#-Part.
5	Mr.M.Ayyanar Raja, Assistant Professor   Mechanical   FXEC	And fr.
6	Mr.K.Ariyanayagm, Assistant Professor   Mechanical   FXEC	8AT
7	Mr.S.Thanumalaya Perumal, Assistant Professor   Mechanical   FXEC,	Sourchage And
8	Mr. K.Robinston Jeyasingh, Assistant Professor   Mechanical   FXEC	6. Notes.
9	Mr. S.Sheikh Sulaiman, Assistant Professor   Mechanical   FXEC	Jui.
10	Mr. J.Jeremy Jeba Samuel, Assistant Professor   Mechanical   FXEC	P.07
	Mr.M.Saravana Kumar, Assistant Professor   Mechanical   FXEC.	ASa HJ.



Agenua	Particulars
Item No.	
Item : 1	Action on 4th BoS recommendation and comments
	Regulation 2019- Listing of NPTEL courses equivalent to Professional
Item : 2	elective
	Regulation 2019 - Introduction of SPECIALIZATION (HONS)/MINOR
Item : 3	Regulation 2019 - Introduction of States COURSE on Additive Manufacturing & its curriculum and syllabus
	Regulation 2019- Inclusion of Industry support course – Industrial
Item : 4	Frontier Tools- syllabus
Item : 5	Regulation 2021 - Curriculum
ltem : 6	Regulation 2021 – UG syllabus for I to IV semester
Item : 7	Regulation 2021 – PG Curriculum
	Regulation 2021 – PG syllabus for I to II semesters
ltem : 8	Regulation 2021 - 1 d Synabus for a th

# oard of Studies (BoS) Meeting Minutes

	tota a seminants
ltem:1	Action on 4th BoS recommendation and comments
	Minutes – Comments
S.No.	
1.1	Plan of action of Fourth Board of Studies presented by the Board Chairman
1.1	was accepted and approved unanimously by the members.
Item : 2	Professional elective equivalent NPTEL courses
S.No.	Minutes – Comments
2.1	The list of NPTEL courses presented by the convener was approved by the members.
ltem : R on Addi	egulation 2019 - Introduction of SPECIALIZATION (HONS)/MINOR COURSE tive Manufacturing & its curriculum and syllabus
S.No.	Minutes – Comments
3.1	The introduction of Additive Manufacturing course as Minor Professional



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	Course, its curriculum and syllabus are accepted by the members.
3.2	Assessment method for minor professional course need to be mentioned in the syllabus. (For example Number of Assessment and Type of FATs)
3.3	Recommended for starting the specialization course from third semester so that the AM project course can be offered in 7 <sup>th</sup> semester itself.
3.4	The course category for additive manufacturing suggested as "AM'

# Item : 4 Industry support course syllabus of Regulation 2019

S.No.	Minutes – Comments
4.1	The syllabus of industrial frontier tools was presented and accepted by members and recommended for the second sec
	members and recommended for reframing the assessment methods.

## ltem : 5 R2021 - Curriculum

S.No.	Minutes – Comments
5.1	Suggested for considering Python for programming language course as it is recent and higher level language.
	Recommended offering both C language and python language
5.2	Suggested incorporating model questions for the COs to clarify their blooms (cognition) level.

## Item : 6 R 2021 – UG syllabus for I to IV semester

S.No.	Minutes – Comments
6.1	Computer Aided Engineering Graphics course appears to be excessive in theory contents and the hour allocation is disproportionate.
6.2	Suggestive assessment components for the Computer Aided Engineering Graphics course are (30% from assignments, 30% Model Exam, 50 % ESE Practical)
6.3	In Engineering Practices lab, Civil exercises on building construction aspects like masonry mixture, cement strength testing to be included. Also, Objectives of Electrical and Electronics to be included.
6.4	Engineering Thermodynamics objectives to be reframed along with outcomes. Also, Rankine cycle to be included in the Unit III.



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6.5	Surface treatment topics to be included in Engineering Materials and Metallurgy.
6.6	The syllabus for Fluid Mechanics and Machinery course can be framed by considering compressible flow also.
6.7	In Strength of Materials course, the Thick cylinder topic to be included.
6.8	Refrigeration topic to be included in Unit V of Thermal Engineering course.
6.9	Demonstration of turbine and generator to be included in Thermal Engineering laboratory course.
6.10	The order of units to be reshuffled with Numerical Methods topics at first, followed by Probability and Statistics topics and finally DOE topics.
6.11	General comments:
	<ul> <li>Inclusion of Science and Humanities faculties as internal members of Board of Studies can be considered.</li> </ul>
	<ul> <li>Inclusion of course creator name in the syllabus to be considered for bringing more accountability.</li> </ul>
	• Course objectives and outcomes are to be rechecked for refinement if needed.
	• The mission statement to be reframed to make measurable one.
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### Item : 7 R 2021 – PG Curriculum

S.No.	Minutes – Comments
7.1	The M.E. Industrial Safety Engineering curriculum was discussed and accepted
	by the board members.

### Item: 8 R 2021 - PG syllabus for I to II semesters

S.No.	Minutes – Comments					
8.1	The syllabus for I-semester and II-semester of M.E. Industrial Safety					
	Engineering was discussed and accepted by the board members.					

m̀an, **Board of Studies** 



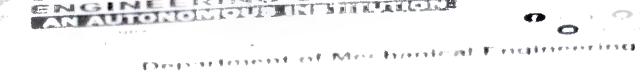
The meeting minutes of Fifth Board of Studies of the Department of Mechanical Engineering, Francis Xavier Engineering, Tirunelvelli, held on 25<sup>th</sup> June, 2021 at 3.30 pm is approved.

Signature Signature				
Sl.No.	Members as per UGC norms	Members nominated	Signature	
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5.	One representative from industry / corporate sector / allied area relating to placement	Mr. R. Srinivasa Raghavan, AVP, Manufacturing, Alliance Tire Group, Tirunelveli.	Jeruine	
6.	One Post Graduate meritorious aluminous nominated by the Principal	Mr. A. Arul Marcel Moshi Assistant Professor, Department of Mechanical Engineering, National Engineering College, Kovilpatti.		



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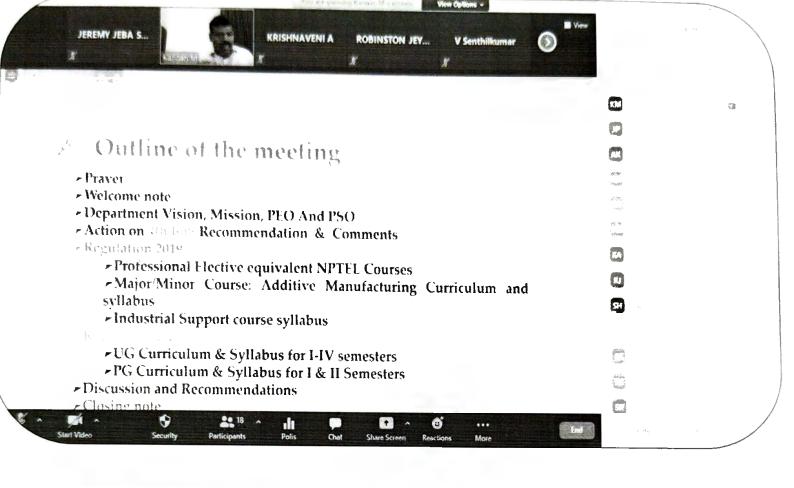


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### Action plan on 4<sup>th</sup> BoS Recommendation & Comments

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Participant

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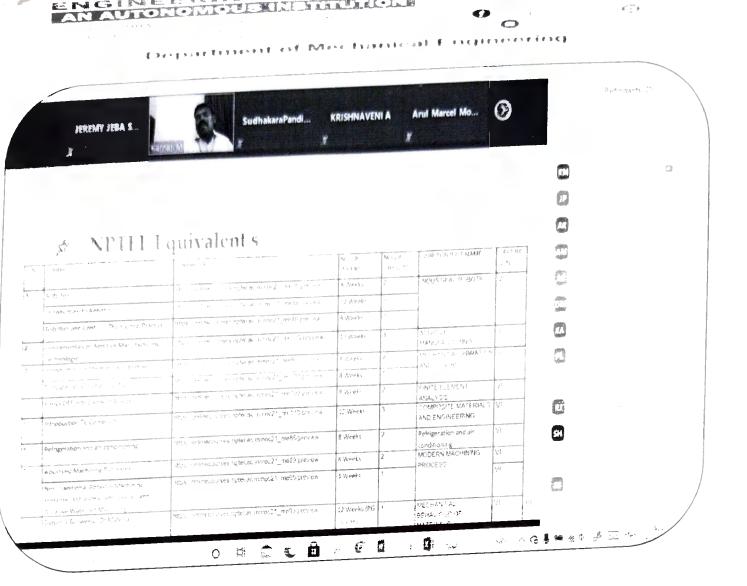
SLNo	Recommendation and comments	Action	Reference	and the second sec
ι,	Expert member form HE Madras also suggested that Robotics based Additive Manutacturing can be included in the proposed Major/Minor course	Major Minor course proposal changed to Additive manufacturing		
7	Alumni member suggested that recent reference books to be included in the proposed Value added courses	Eatest editions of the same fitles are being included suitably	250,252,253,254 255	<b>1</b>
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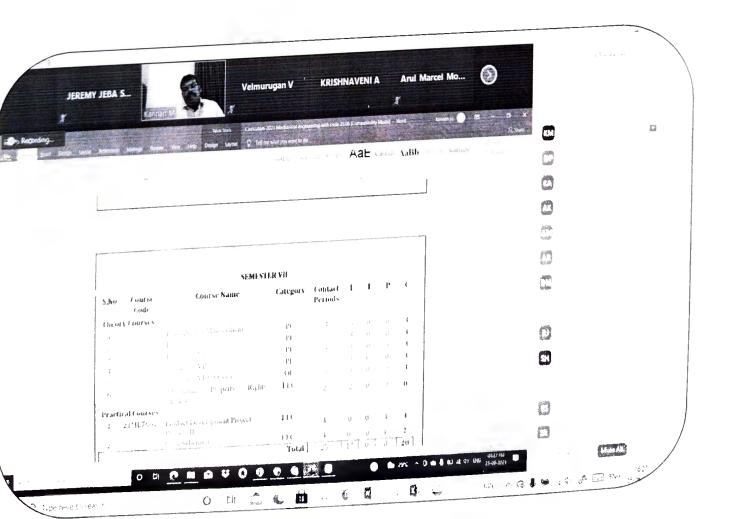
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Registration Time	1 Status	Faculty Name with Initial	Designation	Name of the Organization associated with:	BOS Member Category
			ana na sa ana na managang na taka 2 220 k		Industry
6/24/2021			Industry	Alliance Tire Group,	Expert
13:18	Approved	d Mr.R.SrinivasaRaghava	n Expert	Tirunelveli	Representative
				Francis Xavier	Internal
6/25/2021		Mr. J. Jeremy Jeba	Assistant	Engineering College,	Faculty
7:17	Approved	Samuel	Professor	Tirunelveli	Member
				National Institute of	Non-Parent
6/25/2021			Associate	Technology,	University
15:06	Approved	Dr.V.Senthil Kumar	Professor	Tiruchirapalli	Representative
				Francis Xavier	Representative
6/25/2021				Engineering College,	Academics -
15:22	Approved	Dr.L.R.Priya	Professor	Tirunelveli	Dean
				Francis Xavier	Internal
5/2021			Assistant	Engineering College,	
15:04	Approved	Mr. K. Robinston	Professor	Tirunelveli	Faculty
			11010301		Member
6/25/2021			Associate	Francis Xavier	Internal
12:35	Approved	Mr. M. Ayyanar Raja		Engineering College,	Faculty
	mpproveu	Mi. M. Ayyanal Kaja	Professor	Tirunelveli	Member
6/24/2021				Francis Xavier	
14:46	Approved	DryVValue		Engineering College,	Principal -
14.40	Approved	Dr.V.Velmurugan	Professor	Tirunelveli	FXEC
612112021				Francis Xavier	Internal
6/24/2021			Assistant	Engineering College,	Faculty
22:20	Approved	Mr. K. Ariyanayagam	Professor	Tirunelveli	Member
				Francis Xavier	Internal
6/25/2021		Mr.S.Thanumalaya	Assistant	Engineering College,	Faculty
15:03	Approved	Perumal	Professor	Tirunelveli	Member
				Francis Xavier	
6/ <u>25</u> /2021				Engineering College,	Controller of
15.7	Approved	Dr.Rajakumar	Professor	Tirunelveli	Examination
				Francis Xavier	Internal
6/25/2021			Assistant	Engineering College,	Faculty
12:26	Approved	Mr. S. Sheik Sulaiman	Professor	Tirunelveli	Member
				Francis Xavier	Internal
6/25/2021			Assistant	Engineering College,	Faculty
14:43	Approved	Mr. M. Saravana Kumar	Professor	Tirunelveli	Member
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6/25/2021				Engineering College,	Chairman /
	Approved	Dr.M. Kannan	Professor	Tirunelveli	HOD
	- rp. o. ou				Internal
				Francis Xavier	
6/25/2021		Dr. S. Joe Patrick	Associate		Faculty
4 4 9 -	Approved	-		Engineering College,	Member
	approved	Gnanaraj	and the second	Tirunelveli	N
6/25/2021				Francis Xavier	Internal
40.0-	Approved	Durt North 1 March 1		Engineering College,	Faculty
10.07	Approved	Dr.I. Neethi Manickam	Professor	Tirunelveli	Member





6/25/2021 14:57	Approved	Dr. Zeenathul Farida Abdul Gani	Professor	Francis Xavier Engineering College, Tirunelveli	Internal Faculty Member
6/25/2021 14:52	Approved	Dr.A.Krishnaveni	Professor	Government College of Engineering, Tirunelveli	Parent University Representative
6/25/2021 14:37	Approved	Mr.A.Arul Marcel Moshi	Assistant Professor	National Engineering College, Kovilpatti	Alumni Expert Representative
6/25/2021 15:04	Approved	Dr.R.Sudhakara Pandian	Professor	VIT, Vellore	Non-Parent University Representative
6/2 <b>5/2021</b> 15:02	Approved	Dr.R.Samuel Hansen	Professor	Francis Xavier Engineering College, Tirunelveli	Internal Faculty Member



