



## Management Review System Formats

Doc No	QR/M5-02
Rev. No.	00
Date	14-06-2004
Page No.	1 of 3

### MINUTES OF THE MEETING

Date of the meeting: 10.07.2018

Name of the meeting: Board of Studies meeting – M.E Mechatronics

Attended by:

External Members:

1. Mrs. Bhuvana, Senior scientist, CSIR-National Aerospace Lab, Bangalore

**The following experts were given leave of absence.**

1. Dr.M. Ganapathi, Former Scientist, DRDO, Bangalore.
2. Mr.T.R. Pothikan Suresh, Technical Architect, BOSCH, Coimbatore.

Internal Members:

1. Dr. M. Palaninatha Raja, Professor and Head, MECT, TCE
2. Dr.G. Kumaraguruparan, Associate Professor, MECT, TCE
3. Dr.G. Kanagaraj, Associate Professor, MECT, TCE
4. Dr. L.R.Karl marx, Associate Professor, MECT, TCE
5. Dr.A.P.Pushpalatha, Associate Professor, Mathematics , TCE
6. Mr. S. Julius Fusic, Assistant Professor , MECT, TCE
7. Mr. H. Ramesh, Assistant Professor, MECT, TCE
8. Mr.S. Parthasarathi, Assistant Professor , MECT, TCE
9. Mr. M. Manimegalan, Assistant Professor , MECT, TCE
10. Mr. B. Praveen Kumar, Assistant Professor, MECT, TCE
11. Mr.A.Prakash, Assistant Professor , MECT, TCE

S.No.	Points discussed	Action Plan	Responsibility	Target date
1.	<b>18MC110 Linear Algebra</b> <ol style="list-style-type: none"><li>1. Matrix Factorization, Decomposition and two/three algorithms need to be included.</li><li>2. There is no need of any Prerequisite for this course.</li><li>3. Applications like Kalman Filter, least square, Curve fitting, Robotics and Aerospace need to be taught.</li><li>4. Fifth Edition of "Introduction to Linear Algebra" by Gilbert Strang to be introduced.</li><li>5. Students are advised to follow NPTEL course on "Linear Algebra" by Prof.Vittal Rao</li></ol>	Intimation to the course designers	Dr. A. P. Pushpalatha	16.07.2018

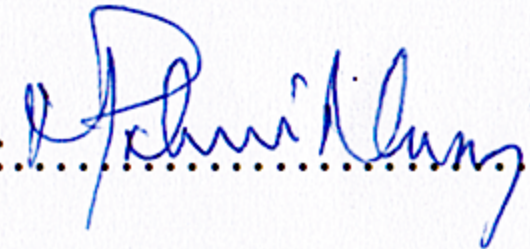


S.No.	Points discussed	Action Plan	Responsibility	Target date
2.	<b>18MC120 Sensors and Actuators</b> <ol style="list-style-type: none"> <li>24 hours of lecture need to deliver in broader and 12 hours of lecture need to be covered in detail.</li> <li>Force, Temperature and Velocity sensors are very much in descriptive, hence, working principles and concepts alone shall be enough to cover these topics.</li> <li>AC motors need to be included in actuators module.</li> <li>One/Two actuators need to be discussed in depth in the course.</li> </ol>	Intimation to the course designers	Dr.L.R.Karl Marx Mr.S.Parthasarathi	16.07.2018
3.	<b>18MC130 Digital Control System</b> No Comments	-	-	-
4.	<b>18MC170 Embedded Systems</b> Different types of Processors are to be included in Lab experiments such as Arduino, Atom to enhance the adaptability skills.	Intimation to the course designers	Mr. S.A.R. Sheik Masthan Mr.B.Praveen Kumar	16.07.2018
5.	<b>18MC180 Automation and Control Lab</b> System Integration need to be taught through experiments.	Intimation to the course designers	Mr. H. Ramesh Mr. S. Julius Fusic	16.07.2018
6.	<b>18MCPA0 Principles of Mechanical Systems</b> Course content is much of design orientation. Hence the course need to be redesigned. to cover the Basics of Mechanics , Strength of Materials, Thermodynamics, Heat transfer, Fluid Mechanics and its applications	Intimation to the course designers	Dr. G. Kanagaraj	16.07.2018
7.	<b>18MCPB0 Principles of Electronic Systems</b> <ol style="list-style-type: none"> <li>Topics such as Internet, wired and wireless communications may be included.</li> <li>Reference books need to be revisited.</li> </ol>	Intimation to the course designers	Mr.S.A.R. Sheik Masthan Mr.A.Prakash	16.07.2018
8.	<b>17MC310 MEMS</b> <ol style="list-style-type: none"> <li>Scaling law need to be discussed in detail.</li> <li>Emphasis on Fabrication module need to be reduced.</li> <li>More applications may be provided with modelling and simulation.</li> </ol>	Intimation to the course designers	Dr.G.Kumaraguruparan Mr.B. Praveen Kumar	16.07.2018



S.No.	Points discussed	Action Plan	Responsibility	Target date
9.	<b>17MCPF0 Autonomous Vehicles</b> Subject title to be changed as Autonomous Mobile Robots	Intimation to the course designers	Mr. S. Julius Fusic Mr. M. Manimegalan	16.07.2018
10.	<b>17MCPH0 Modelling and Simulation of Mechatronics Systems</b> Other simulation tools such as Simulink based experiments shall be added	Intimation to the course designers	Dr.G.Kumaraguruparan Mr.M.A. Ganesh	16.07.2018

Prepared by: Mr.A.Prakash, Date: 11.07.2018

Approved by:  Date: 16/7/18





**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15**  
(Govt. Aided, Autonomous Institution affiliated to Anna University)  
**DEPARTMENT OF MECHATRONICS ENGINEERING**

Date of the meeting: 10.07.2018

Name of the meeting: Board of Studies Meeting - M.E.Mechatronics






ATTENDANCE SHEET

S.No	Name of the Member	Position of the member	Address of the member	Signature of the Member
1.	Mr.T.R. Pothikan Suresh	External	Technical Architect BOSCH Coimbatore	ABSENT
2.	Ms. N. Bhuvana	External	Senior scientist, CSIR-National Aerospace Laboratories Bangalore	N. Bhuvan
3.	Dr.M.Palaminatha Raja	Internal	Professor and HOD, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	M. Palaminatha Raja
4.	Dr.G.Kanagaraj	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	G.K.
5.	Dr.G.Kumaragurparan	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	G.K.
6.	Dr.L.R.Karlmarx	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	L.R.Karlmarx
7.	Dr.A.P.Pushpalatha	Internal	Associate Professor, Department of Mathematics, Thiagarajar College of Engineering, Madurai-15	A.P. Pushpalatha
8.	Mr.S.Julius Fusic	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	S. Julius Fusic 10/07





**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15**  
(Govt. Aided, Autonomous Institution affiliated to Anna University)  
**DEPARTMENT OF MECHATRONICS ENGINEERING**

S.No	Name of the Member	Position of the member	Address of the member	Signature of the Member
9.	Mr. H.Ramesh	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
10.	Mr.S.Parthasarathi	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
11.	Ms.S.Siva Priya	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	ABSENT
12.	Mr.M.A.Ganesh	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	ABSENT
13.	Mr.M.Manimegalan	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
14.	Mr.B.Praveen Kumar	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
15.	Mr.A.Prakash	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
16.	Mr.S.A.R.Sheik Masthan	Internal	Assistant Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	ABSENT