



Management Review System Formats

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MINUTES OF THE MEETING

Date of the meeting: 09.11.2019

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

Attended by:

External Members:

1. Dr. J.E. Diwakar, Principal Research Scientist, DESE, IISc Bangalore
2. Mr. J. Visweswaran, Senior Academic Technical Consultant, NI, Bangalore
3. Mrs. Bhuvana, Senior scientist, CSIR-National Aerospace Lab, Bangalore
4. Dr. M. Kumar, Former Principal Engineer, GE Health Care, Bangalore

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. Mr. S. Julius Fusic, Assistant Professor, MECT, TCE
6. Mr. H. Ramesh, Assistant Professor, MECT, TCE
7. Mr. S. Parthasarathi, Assistant Professor, MECT, TCE
8. Mr. B. Praveen Kumar, Assistant Professor, MECT, TCE
9. Mr. A. Prakash, Assistant Professor, MECT, TCE
10. Mr. S.A.R. Sheik Masthan, Assistant Professor, MECT, TCE
11. Mr. S. Manikandan, Assistant Professor, MECT, TCE
12. Mr. M.M. Devarajan, Assistant Professor, MECT, TCE

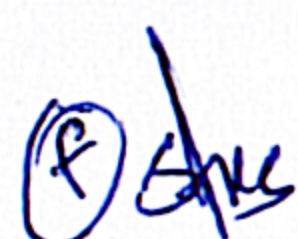
Sl. No.	Points discussed	Action Plan	Responsibility	Target date
1.	18MT510 Control System 1. Introduction to nonlinear system shall be included. 2. Conversion of frequency to time domain need to be taught. 3. Recap on Laplace transform and why need to taught in introduction part.	Intimation to the course designers	Mr. A. Prakash Mr. S. Manikandan Mr. M.A. Ganesh	15.11.2019
2.	18MT520 Industrial Automation 1. Programmable automation controller (PAC) shall be included.	Intimation to the course designers	Mr. H. Ramesh Mr. S. Julius Fusic	15.11.2019
3.	18MT530 Design of Machine Elements No comments.	Intimation to the course designers	Dr. M. Palaninatha Raja Dr. G. Kanagaraj	15.11.2019
4.	18MT560 Accounting and Finance 1. Detailed Project Report (DPR) shall be given as presentation assignment to students.	Intimation to the course designers	Mr. H. Ramesh Mr. M.M. Devarajan	15.11.2019

Sl. No.	Points discussed	Action Plan	Responsibility	Target date
5.	18MT570 Industrial Automation Laboratory No comments.	Intimation to the course designers	Mr. H. Ramesh Mr. S. Julius Fusic	15.11.2019
6.	18MT580 Dynamics and Control Laboratory 1. Process control application shall be included such as temperature, pressure, level, and flow.	Intimation to the course designers	Mr. S. Manikandan Dr. G. Kanagaraj	15.11.2019
7.	18MT610 Industrial Robotics 1. Work volume analysis, End effector force, current profile need to be included. 2. Robot controller and trajectory planning need to be include instead of autonomous mobile robots.	Intimation to the course designers	Dr. G. Kanagaraj Mr. M.A. Ganesh	15.11.2019
8.	18MT620 CNC Technology 1. Industry based various drives need to taught. 2. Material, structure and tooling need to included.	Intimation to the course designers	Mr. H. Ramesh Mr. S. Julius Fusic	15.11.2019
9.	18MT630 Integrated Product Development 1. Quality concept shall be included.	Intimation to the course designers	Dr. M. Palaninatha Raja Mr. H. Ramesh	15.11.2019
10.	18MT660 Virtual Instrumentation 1. Accelerometer need to be included in practical component. 2. Different mode of communication shall be included such as RS 232, RS 485, PCI, PXI, GPIB, USB, Ethernet etc. 3. Sampling rate need to be taught in data acquisition.	Intimation to the course designers	Mr. S.A.R. Sheik Masthan Mr. A. Prakash	15.11.2019
11.	18MT670 CAD / CAM Laboratory 1. Laser cutting and water jet cutting need to be included.	Intimation to the course designers	Mr. H. Ramesh Mr. S. Julius Fusic	15.11.2019
12.	18MT680 Robotics Laboratory 1. Minimize the number of software usage in laboratory.	Intimation to the course designers	Dr. G. Kanagaraj Mr. M.A. Ganesh	15.11.2019
13.	18MT710 Mechatronics System Design 1. Reduce the no of case studies and taught in depth case study such as active suspension and 3D printer. 2. Computer communication shall be included. 3. Design thinking course also include as prerequisite.	Intimation to the course designers	Mr. H. Ramesh Mr. M.A. Ganesh Mr. S. Manikandan	15.11.2019
14.	18MT760 System Integration Laboratory No comments	Intimation to the course designers	Mr. H. Ramesh Mr. M.A. Ganesh Mr. S. Manikandan	15.11.2019

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15.	18MTPA0 Machine Vision System 1. Identification of camera shall be given as assignment/ case study to students. 2. Control of system need to included.	Intimation to the course designers	Mr. S.A.R. Sheik Masthan Mr. B. Praveen Kumar	15.11.2019
16.	18MTPB0 Micro Electro Mechanical Systems 1. ANSYS software need to be included for simulation.	Intimation to the course designers	Dr.G.Kumaraguruparan Mr. M.M. Devarajan	15.11.2019
17.	18MTPC0 Additive Manufacturing 1. Metal powder based process need to included.	Intimation to the course designers	Dr.G.Kumaraguruparan Mr. M.M. Devarajan	15.11.2019
18.	18MTPD0 Embedded system 1. Reconfigurable FPGA based system need to be included.	Intimation to the course designers	Dr. L.R. Karl Marx Mr. B. Praveen Kumar	15.11.2019
19.	18MTPE0 Machine Learning and its Applications 1. Introduction to python programming need to be included.	Intimation to the course designers	Dr. G. Kanagaraj Mr. S. Parthasarathi	15.11.2019
20.	18MTPF0 Industry Internet of Things 1. Course name need to be changed as Internet of Things. 2. Remove specific name Arduino and Raspberry pi.	Intimation to the course designers	Dr. L.R. Karl Marx Mr. S. Parthasarathi	15.11.2019
21.	18MTPG0 Industrial Communication Networks 1. Industry 4.0 and CAN bus need to be included. 2. Communication protocol used in aerospace and transportation application shall be included.	Intimation to the course designers	Mr. S.A.R. Sheik Masthan Mr. A. Prakash	15.11.2019
22.	18MTGA0 Mechatronics No comments.	Intimation to the course designers	Mr. A. Prakash Mr. S. Manikandan	15.11.2019
23.	18MTGB0 Sensors 1. Sensing principles and sensing variables to be separate content.	Intimation to the course designers	Dr. L.R. Karl Marx Mr. B. Praveen Kumar	15.11.2019
24.	18MTGC0 Value Engineering No comments.	Intimation to the course designers	Dr. M. Palaninatha Raja Mr. M.M. Devarajan	15.11.2019
25.	18MT271 Electrical Machines Laboratory No comments.	Intimation to the course designers	Mr. H.Ramesh Mr. S. Julius Fusic	15.11.2019
26.	14MT2C0 Musical Parameters and MIDI No comments.	Intimation to the course designers	Dr.G.Kumaraguruparan	15.11.2019

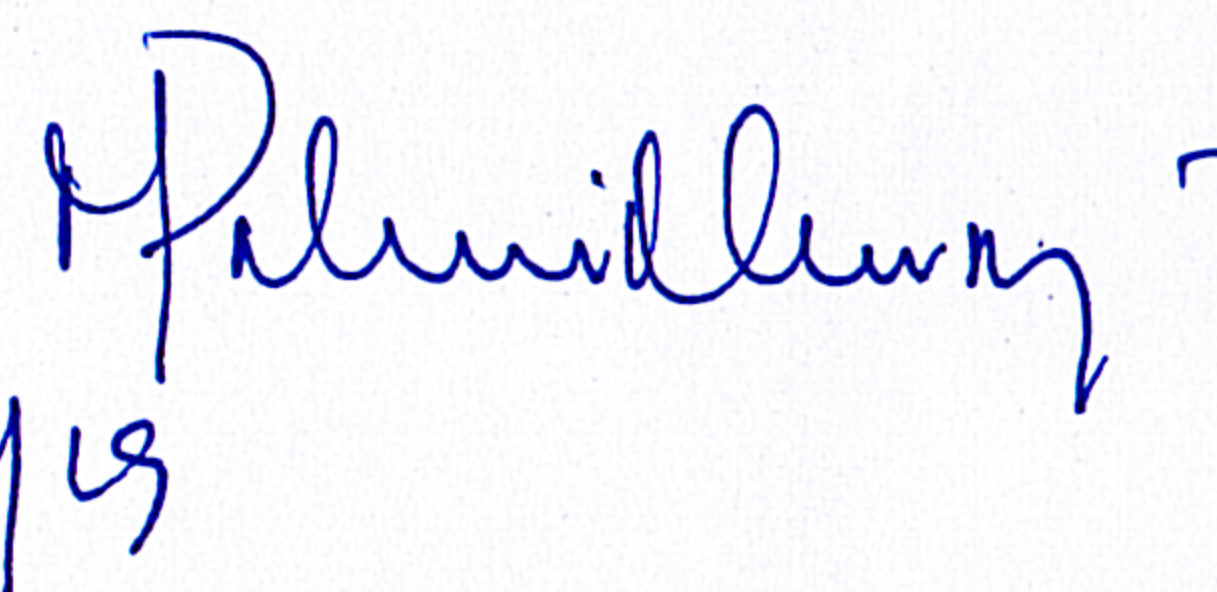
Prepared by: Mr. A. Prakash

Date: 12.11.2019



Approved by:

Date: 20/11/19





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

Date of the meeting: 09.11.2019

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

ATTENDANCE SHEET

S.No	Name of the Member	Position of the member	Address of the member	Signature of the Member
1.	Dr.J.E.Diwalker	External	Principal Research Scientist DESE, Indian Institute of Science, Bangalore-560012	
2.	Mr.J.Visweswaran	External	Senior Academic Technical Consultant, National Instruments India Private Limited, Bangalore 560 103.	
3.	Dr.M.Kumar	External	Former Principal Engineer GE Health Care, Bangalore	
4.	Mrs. N. Bhuvana	External	Senior scientist, CSIR-National Aerospace Laboratories, Bangalore	
5.	Dr.M.Palaminatha Raja	Internal	Professor and Head, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	 9/11/19
6.	Dr.G.Kanagaraj	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
7.	Dr.G.Kumaragurparan	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	
8.	Dr.L.R.Karlmarx	Internal	Associate Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai-15	



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