

	Management Review System Formats	Doc No	QR/M5-02
		Rev. No.	00
		Date	14-06-2004
		Page No.	1 of 4

MINUTES OF THE MEETING

Date of the meeting: 04.07.2020

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

Mode: Online

Time: 10.00am – 12.30pm

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.N.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. M. A. Ganesh, Assistant Professor, MECT, TCE
9. Mr. B. Praveen Kumar, Assistant Professor, MECT, TCE
10. Mr.A.Prakash, Assistant Professor , MECT, TCE
11. Mr.S.A.R.Sheik Masthan, Assistant Professor , MECT, TCE
12. Mr.S.Manikandan, Assistant Professor , MECT, TCE
13. Mr.M.M.Devarajan, Assistant Professor , MECT, TCE
14. Mrs.S.Karthiga, Assistant Professor , IT, TCE

S.No.	Points discussed	Action Plan	Responsibility	Target date
1.	18MTPH0 Industrial Control of Motion Drives <ol style="list-style-type: none"> 1. Include Industrial Automation course as prerequisite. 2. Specific manufacturer name to be removed from the contents. 	Intimation to the course designers	Mr. H.Ramesh Mr. S. Julius Fusic	08.07.2020
2.	18MTPJ0 Robotic Process Automation <ol style="list-style-type: none"> 1. The Course title shall be renamed as “Robotic Business Automation Process”. 2. Collaborative robots shall be included. 3. Prerequisite need for this course. 	Intimation to the course designers	Dr.G. Kanagaraj Mr.M.A.Ganesh	08.07.2020

S.No.	Points discussed	Action Plan	Responsibility	Target date
3.	18MTPK0 Object Oriented Programming No comments.	Intimation to the course designers	Mr.S.A.R.Sheik Masthan Mr.A. Prakash	08.07.2020
4.	18MTPL0 Electronic System Packaging 1. Peltier effect and specific software tool for packaging shall be included. 2. Include “Thermal fluid Engineering” course as prerequisite. 3. Standard racks(19”) standards and Rack level cooling shall be included. 4. Electronic cooling needs to be followed the order Chip - board - rack - multi rack cooling.	Intimation to the course designers	Dr.G.Kumaraguruparan Mr.M.M.Devarajan	08.07.2020
5.	18MTPM0 Mobile Application Development No comments.	Intimation to the course designers	Mrs.S.Karthiga Mrs.C.V.Nisha Angeline	08.07.2020
6.	18MTPN0 Digital Manufacturing Technology Syllabus contents are more and it is difficult to handle the course with in the stipulated hours. The course shall be redesigned with more focus on mechatronics aspects.	Intimation to the course designers	Mr. H.Ramesh Mr. B. Praveen Kumar	08.07.2020
7.	18MTPQ0 Deep Learning and Its Applications Case studies shall be highlighted as a starting point in the introduction section to realise the significance of concepts.	Intimation to the course designers	Mr. S. Julius Fusic Mr.S.Manikandan	08.07.2020
8.	18MTPR0 Control of Mobile Robots 1. All the other mobility like legged, wheeled, float etc. and its issues shall be introduced to conceptualise the mobile robots. 2. Control Algorithm need to be included such as path planning, obstacle avoidance, A* algorithms etc. 3. GPS and different communication levels shall be included.	Intimation to the course designers	Mr.M.A.Ganesh Mr. S.Parthasarathi	08.07.2020
9.	18MTEA0 Integrated Product Development No comments.	Intimation to the course designers	Dr.M.Palaninatha Raja Mr. H.Ramesh	08.07.2020

10.	18MTEB0 Battery Management System <ol style="list-style-type: none"> 1. Thermal modeling aspects of battery shall be included. 2. Power supply management and vehicle dynamics model need to incorporated. 3. Selection of batteries based on the requirement analysis such as pay loads shall be included. 4. Alternative to lithium ion batteries shall be highlighted. 	Intimation to the course designers	Mr. S.Parthasarathi Mr.M.A.Ganesh	08.07.2020
11.	18MT1A0 Building Automation and Controls <ol style="list-style-type: none"> 1. Integrated structure management need to be included. 2. Structural Health Monitoring (SHM) based on sensors shall be introduced. 	Intimation to the course designers	Dr.G.Kumaraguruparan	08.07.2020
12.	18MT2A0 Design for Environmental Compatibility Life cycle of the product shall be emphasized while design for compatibility.	Intimation to the course designers	Dr.G.Kumaraguruparan	08.07.2020

Prepared by: Mr.A.Prakash, Date: 04.07.2020

Approved by: Dr. M Palaninatharaja

Note:

As the Board of Studies Meeting was conducted as an online meeting, members' signatures were not obtained.