



## Management Review System Formats

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### MINUTES OF THE MEETING

Date of the meeting: 30.01.2021

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

Mode: Online

Time: 10.00 am – 12.30 pm

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
5. Dr. K. Mahadevan, Professor, Department of Mechanical Engineering, Pondicherry Engineering College

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

<b>Sl. No.</b>	<b>Points discussed</b>	<b>Action Plan</b>	<b>Responsibility</b>	<b>Target date</b>
1	<b>18MTPV0 - Mobile Robotics</b> <ul style="list-style-type: none"> <li>Course name to be changed to autonomous locomotion or autonomous motion control</li> </ul>	Points to be updated by course designers	Prof M.A Ganesh Prof S Parthasarathi	25.02.2021
2	<b>18MTPW0 - SIMULATION OF MECHATRONICS SYSTEMS</b> <ul style="list-style-type: none"> <li>Difference in solving problems using MATLAB and bond graph to be introduced</li> </ul>	Points to be updated by course designers	Dr G Kumaraguruparan Mr M.A Ganesh	25.02.2021
3	<b>18MTPY0 - INTRODUCTION TO PHOTONICS</b> <ul style="list-style-type: none"> <li>Laser physics, hologram, application part of mechatronics, interferometry to be added, fiber optics-based measurement to be added</li> </ul>	Points to be updated by course designers	Dr M. Mahendran Dr A.L. Subramaniyan Mr. S Manikandan	25.02.2021
4	<b>18MTPZ0 - ELECTRIC VEHICLE TECHNOLOGY</b> <ul style="list-style-type: none"> <li>Self-diagnosis, electro chemistry, four quadrant control to be added</li> <li>Introduction to design of EV, selection of BLDC motor to be added</li> </ul>	Points to be updated by course designers	Mr. Julius Fusic S Mr. Ramesh H	25.02.2021
5	<b>18MTRA0 - INTELLIGENT CONTROL OF MOTION DRIVES</b> <ul style="list-style-type: none"> <li>Topic can be changed as machine learning in motion control derives</li> <li>Control strategies to be added</li> </ul>	Points to be updated by course designers	Mr. Julius Fusic S Mr. Ramesh H	25.02.2021
6	<b>18MTRB0 – BIOMECHATRONICS</b> <ul style="list-style-type: none"> <li>Title to be changed as introduction to biomechatronics</li> </ul>	Points to be updated by course designers	Mr. Praveen Kumar B Mr. Manikandan S	25.02.2021
7	<b>18MTRC0 - SMART MATERIALS FOR MECHATRONICS</b> <ul style="list-style-type: none"> <li>Energy density topic to be added</li> <li>Field work related to smart materials to be given to students</li> </ul>	Points to be updated by course designers	Dr. M. Mahendran	25.02.2021

8	<b>18MTPS0 - TOTAL QUALITY MANAGEMENT</b> <ul style="list-style-type: none"> <li>Syllabus is vast</li> <li>Quality aspect of electronics and software domain to be added</li> </ul>	Points to be updated by course designers	Dr. M. Palaninatharaja Mr. M.M. Devarajan	25.02.2021
9	<b>18MTPT0 - SMART BUILDING SYSTEMS</b> <ul style="list-style-type: none"> <li>Smart structures with sensing and actuation part to be included</li> <li>IoT aspect and green energy shall be included</li> </ul>	Points to be updated by course designers	Dr. G.Kumaraguruparan Mr. M.M. Devarajan	25.02.2021
10	<b>18MTPU0 - WIRELESS SENSOR NETWORKS</b> <ul style="list-style-type: none"> <li>Agriculture application shall be included</li> <li>Wifi, Bluetooth, zigbee to be included</li> <li>Wired vs. wireless network comparison to be included</li> <li>OSI layer can be removed</li> </ul>	Points to be updated by course designers	Mr. S. Parthasarathi Mr. B. Praveen Kumar Mr. Sheik Masthan SAR	25.02.2021

Prepared by: Dr. G Kanagaraj  
Sheik Masthan S.A.R  
Date: 02.02.2021

Approved by: Dr. M Palaninatharaja