



THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(Govt. Aided Autonomous Institution affiliated to Anna University)

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF THE MEETING

Date of the meeting: 08.11. 2014

Name of the meeting: Board of Studies Meeting – B.E -Mechanical Engineering

Attended by:

| | | | | | | | | |
|----|----------------------------|-----------------|----|-----------------------------|--------|----|-----------------------------|--------|
| 1 | Dr. T. Sundararajan | External Member | 16 | Mr.V. Balasubramani | Member | 31 | Mr. V. Muruganatham | Member |
| 2 | Dr. N. Ramesh Babu | External Member | 17 | Dr.S.Karthikeyan | Member | 32 | Dr.N.Sankarasubraman ain | Member |
| 3 | Mr. G. Govindaraju | External Member | 18 | Dr. S. Saravana Perumaal | Member | 33 | Dr.B. Vellaikannan | Member |
| 4 | Mr. V. Ramalingam | External Member | 19 | Dr. R. Muruganandham | Member | 34 | Dr. S. Siva Elango | Member |
| 5 | Mr. S. Ramachandran | External Member | 20 | Mr. T. Vivek | Member | | | |
| 6 | Dr. N. Jawahar | Member | 21 | Dr. ML. Mahadevan | Member | | | |
| 7 | Dr. M. Palaninatha Raja | Member | 22 | Dr. M. Elango | Member | | | |
| 8 | Dr.S.Muralidharan | Member | 23 | Mr. A. Samuel Raja | Member | | | |
| 9 | Dr. K. Chockalingam | Member | 24 | Mr. J. Umar Mohamed | Member | | | |
| 10 | Dr. PL. K. Palaniappan | Member | 25 | Mr.MS.Govarthanan | Member | | | |
| 11 | Dr.A. Valan Arasu | Member | 26 | Mr. M. Kannan | Member | | | |
| 12 | Dr. M.Kathiresan | Member | 27 | Mr.B.Bruclele | Member | | | |
| 13 | Dr. K. Srithar | Member | 28 | Mr. R. Sivasankaran | Member | | | |
| 14 | Dr. G. Kumaraguruparan | Member | 29 | Mr. S. Julius Fisiac | Member | | | |
| 15 | Dr. G. Kanagaraj | Member | 30 | Mr.T.Prakash | Member | | | |

Points Discussed:

The following points were discussed and passed, incorporating the suggestions given by the experts as given in Annexure II:

- Department PO's and PEO's.
- The scheduling of the courses and detailed syllabus for the II Semester B.E. Mechanical Engineering for the students admitted from 2014-15.



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Date of the meeting: 08.11. 2014

Name of the meeting: Board of Studies Meeting – B.E -Mechanical Engineering
Annexure II

| S.No | Point discussed | Action Plan | Responsibility | Target Date |
|------|---|--|---|-------------|
| 1. | Dr.T. Sundararajan and Dr.N. Ramesh Babu suggest including rotary motion in the course 14ME220- Free Body Mechanics. | Suggestion incorporated | Convener, programme coordinator and pedagogy member | 21.11.14 |
| 2. | Mr.V. Ramalingam and Dr. N. Ramesh Baby suggested to split the course 14ME230-Casting, Forming and Joining Processes in to two courses. | Course has been converted in to two courses namely 14ME230-Metal Casting and Forming Processes and 14ME330-Metal Joining and Manufacturing Processes | Convener and course designers. | 21.11.14 |
| 3. | Dr. T. Sundararajan suggested to include first law for unsteady flow in the course 14ME240 – Engineering Thermodynamics. | Suggestion incorporated. | Convener and course designers. | 21.11.14 |
| 4. | Mr.S. Ramachandran, Mr. G.Govindaraju and Dr. T. Sundararajan suggested to incorporate environmental pollution by refrigerants and also to include carbon credits in the course 142650-Environmental Science and Engineering. | Suggestion incorporated. | Convener and course designers. | 21.11.14 |
| 5. | In the course 14ME260-Material Science, members suggested to reduce the contents of the syllabus. | Suggestions will be taken care by organizing soft skill courses for students. | Convener and course designers. | 21.11.14 |
| 6. | During introduction classes of practical course 14ME280-Strength of Material and Material Science Lab., ASTM and ASME standards are to be discussed. | Suggestions will be incorporated during the practical classes. | Convener and course designers. | 21.11.14 |
| 7. | CO-PO mapping should be modified in all courses with some bench mark. | All CO-PO has been changed. | Convener and course designers. | 21.11.14 |

Prepared by:

[Signature]
24/11/14

Date: 24.11.14

Approved by:

[Signature]
24/11/14
+ HDME

Date: 24.11.14

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(Govt. Aided Autonomous Institution affiliated to Anna University)
DEPARTMENT OF MECHANICAL ENGINEERING
MINUTES OF THE MEETING

Date of the meeting: 28. 06. 2014

Name of the meeting: Board of Studies Meeting – B.E -Mechanical Engineering

Attended by:

| | | | | | | | | |
|----|---------------------------|---------------------------|----|--------------------------|--------|----|----------------------|--------|
| 1 | Dr. C. Muruganatham | BOS Convener | 16 | Dr. V. Dhanalakshmi | Member | 31 | Dr. R. Muruganandham | Member |
| 2 | Dr. N. Jawahar | Prof. in Mech & Dean R&D | 17 | Dr.S.Muralidharan | Member | 32 | Mr. T. Vivek | Member |
| 3 | Dr. M. Palaninatha Raja | Prof. in Mech & Registrar | 18 | Dr.PS. Boopathi Manickam | Member | 33 | Dr. ML. Mahadevan | Member |
| 4 | Dr. T. Sundararajan | Member | 19 | Dr. S. Dhanasekaran | Member | 34 | Mr.B.Karthikeyan | Member |
| 5 | Mr. M. Kannan | Member | 20 | Dr. K. Chockalingam | Member | 35 | Dr. M. Elango | Member |
| 6 | Mr.V. Ramalingam | Member | 21 | Mr. A. Manoharan | Member | 36 | Mr. M. Balamurali | Member |
| 7 | Mr. R. Vijay Sankar Kumar | Member | 22 | Dr. PL. K. Palaniappan | Member | 37 | Mr. A. Samuel Raja | Member |
| 8 | Mr. T. Sasikumar | Member | 23 | Dr.A. Valan Arasu | Member | 38 | Mr. J. Umar Mohammed | Member |
| 9 | Mr.K. Damodaran | Spl. Invitee | 24 | Dr. M.Kathiresan | Member | 39 | Mr.MS.Govarthanan | Member |
| 10 | Mr. P. Arunagiri | Spl. Invitee | 25 | Dr. C. Paramasivam | Member | 40 | Mr. M. Kannan | Member |
| 11 | Mr.S. Ram Gopal | Spl. Invitee | 26 | Dr. K. Srithar | Member | | | |
| 12 | Mr.N. Shanmugam | Spl. Invitee | 27 | Dr. P. Maran | Member | | | |
| 13 | Mr.P. Ramasubramanian | Spl. Invitee | 28 | Dr. G. Kumaraguruparan | Member | | | |
| 14 | Mr. S. Ramachandran | Spl. Invitee | 29 | Dr.S.Karthikeyan | Member | | | |
| 15 | Dr. T. Sornakumar | Spl. Invitee | 30 | Dr. S. Saravana Perumaal | Member | | | |

Points Discussed:

The following points were discussed and passed, incorporating the suggestions given by the experts as given in Annexure II:

- Department PO's and PEO's.
- The scheduling of the courses for the students admitted from 2014-15.
- One credit courses and general elective course for the students admitted from 2010-11.



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Date of the meeting: 28. 06. 2014

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Annexure II

| S.No | Point discussed | Action Plan | Responsibility | Target Date |
|------|--|---|---|---------------------------|
| 1. | Mr.V. Ramalingam and Mr.S. Ramachadran suggested to benchmark the PEO-PO with higher learning institutes like MIT,IIT | Suggestions will be incorporated in the curriculum development processes | Convener, programme coordinator and pedagogy member | 11.07.14 |
| 2. | Mr.V. Ramalingam suggested to move the course professional communication from 2 nd year to 3 rd year. Also he suggested to encourage the students to participate in Toast masters course for communication and public speaking | Professional Communication course is included in the 3 rd semester in order to support the lateral entry students and vernacular students. The students' participation in the toast master course will be encouraged during third year of the programme. | Convener and course designers. | During the course design. |
| 3. | Dr. T. Sundararajan appreciated that domain knowledge & practice elements were balanced. However little more physics, mathematics may be added in the curriculum. Also he suggested that Mathematics to be embedded in the respective course | Suggestions will be considered during the course design. | Convener and course designers. | During the course design. |
| 4. | Dr. N. Jawahar suggested that Electrical drives and control, Mechatronics and Control system can be combined. Fundamentals concepts of actuators and drives may be given more consideration. | <ul style="list-style-type: none">• Electrical drives and actuators will be considered in the Mechatronics syllabus.• Control system is to be given as separate course. | Convener and course designers. | During the course design. |

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| S.No | Point discussed | Action Plan | Responsibility | Target Date |
|------|--|---|------------------------------------|----------------------------------|
| 5. | Mr.S.Ramkumar, Mr. P. Arunagiri and Mr. S. Ramachandran suggested that soft skill component to be increased in co curricular activities | Suggestions will be taken care by organizing soft skill courses for students. | Convener and course designers. | During the academic year 2014-15 |
| 6. | Mr.Vijay shankar Kumar and Mr. T. Sasikumar suggested to include cost aspects in the course "Accounting and Finance. | Suggestions will be incorporated during the course design. | Convener and course designers. | During the course design. |
| 7. | Prof.N. Shanmugum suggested to have one fabrication project in III year, similar to Anna University. This may be a part of capstone course. | Students are encouraged to carry out fabrication projects in final year project. | Convener and course designers. | - |
| 8. | Mr. V. Ramalingam suggested to include Product Design Lab component for IPD or new product development | Suggestions will be incorporated while finalizing elective courses. | Convener and course designers. | During the course design. |
| 9. | Mr. T. Sasikumar suggested to have general orientation to all students to facilitate elective choice by students | Suggestions will be implemented during the end of fourth semester to orient the students in the selection of elective courses | Convener and course designers. | During the academic year 2014-15 |
| 10. | Mr.V.Ramalingam and Mr. K. Damodaran suggested to have guest lectures by IIT faculty to target for their higher learning and R&D opportunities in core industry. | Suggestions will be considered while organizing the guest lectures for students | Convener | During the academic year 2014-15 |
| 11. | Mr. V.Ramalingam suggested to give practical examples from both EEE and Mech for the course, "GGF- Systems approach for Engineers" | Suggestions will be taken care of while handling the course. | Course designer and class teacher. | During the course delivery. |



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|------|---|----------------------------------|-------------------------------|-----------------------------|
| 12. | Mr. K. Damodaran suggested to consult "NDT engineers association" for the course "G1M- Non Destructive Testing". | Suggestions will be incorporated | Convener and Course designer. | During the course delivery. |
| 13. | Mr. S. Ramachandran and Prof.N.Shunmugam suggested having one industrial visit for the students taking one credit courses. Dr. T. Sundararajan also suggested giving video-shows for the one credit course. | Suggestions will be incorporated | Convener and Course designer. | During the course delivery. |
| 14. | Mr. V. Ramalingam suggested that the preamble for the course "G1N- Gas Turbine Engines" is to be improved. | Suggestions incorporated | Convener and Course designer. | 04.07.14 |

Prepared by:  Date: 07.07.14

Approved by:  Date: 07.07.14