



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

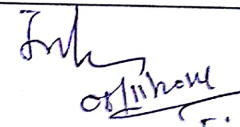
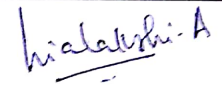
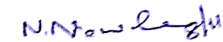
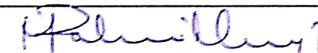

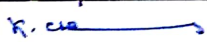
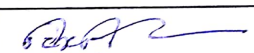
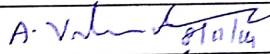
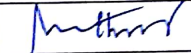
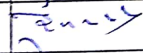


Date of the meeting: 08.11. 2014 (Saturday)

Name of the meeting: Board of Studies Meeting


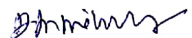

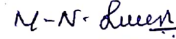

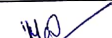
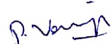

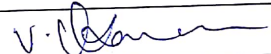
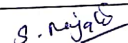


B.E. Mechatronics and M.E. Mechatronics

ATTENDANCE SHEET

Sl. No.	Name of the Member	Position of the member	Address of the member	Signature of the member
1.	Dr.Ashok Rao	External	Former Director (Network Project), IISC Bangalore.	
2.	Dr.J.E.Diwakar	External	Principal Research Scientist DESE, Indian Institute of Science, Bangalore 560012 Tel: 23600810 Ext 118 (Direct) E-mail: jediwa@cedt.iisc.ernet.in	
3.	Mr. M. Kannan	External	General Manager, R&D, TVS Motor Company, P.O.No. 4, HARITHA, Hosur – 635 109	—
4.	Mr. S. Ananthkumar	External	Schneider Electric India Private Limited 44P, 1st Main Rd, Electronic City Phase II, Electronic City, Bengaluru, Karnataka 560100 Mobile: +919900201979 s.ananthkumar@gmail.com	
5.	Mr. S. Sivakumar ,	External	Caterpillar India Private Limited International Tech Park, 7th Floor, CSIR Road, Tharamani phase I, Chennai Tamil Nadu , 600113 Mobile: ++91 99404 06775 (Mobile) sivamgr@gmail.com	

Sl. No.	Name of the Member	Position of the member	Address of the member	Signature of the member
6.	Mr. Visweswaran Jagadeesan	External	Senior Academic Technical Consultant ,, National Instruments India Private limited, 81/1 & 82/1, Salarpuria Softzone Wing B, 5th Floor, Block A Bellandur, Varthur Hobli Bangalore 560 103, Karnataka 99860 28517 visweswaran.jagadeesan@ni.com	
7.	Mrs. Visalakshi Arun Kumar	External	General Manager – Technical Publications Caterpillar India Private Limited, Chennai-96. Mobile: 9840255509 Email:visa_arun@yahoo.com	
8.	Dr.N.Jawahar	Internal	Professor and Head, Department of Mechanical Engineering& Dean R&D, TCE, Madurai-15.	
9.	Dr.M. Palaninatharaja	Internal	Professor, Department of Mechanical Engineering, & Registrar,TCE, Madurai-15.	
10.	Dr.S.Muralidharan	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15.	
11.	Dr. K. Chockalingam	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15.	
12.	Dr. PL.K. Palaniappan	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15.	
13.	Dr.A.Valan Arasu	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15.	
14.	Dr. M. Kathiresan	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	
15.	Dr. K.Srithar	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	
16.	Dr. G. Kumaraguruparan	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15	
17.	Dr. G. Kanagaraj	Internal	Asso. Professor, Department of Mechanical Engineering, TCE, Madurai-15	

Sl. No.	Name of the Member	Position of the member	Address of the member	Signature of the member
18.	Mr. V. Balasubramani	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	V. Balasubramani 8-11-14
19.	Dr. S. Karthikeyan	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Dr. S. Karthikeyan 8/11/14
20.	Dr. S. Saravana Perumaal	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Dr. S. Saravana Perumaal 8/11/14
21.	Mr. T. Vivek	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. T. Vivek 8-11-14
22.	Dr. R. Muruganandham	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Dr. R. Muruganandham 8-11-14
23.	Dr. ML. Mahadevan	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	—
24.	Dr. M. Elango	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Dr. M. Elango 8/11/14
25.	Mr. A. Samuel Raja	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. A. Samuel Raja 08/11/14
26.	Mr. J. Umar Mohammed	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. J. Umar Mohammed 08/11/14
27.	Mr. M. Kannan	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. M. Kannan 08/11/14
28.	Mr. MS. Govardhanan	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. MS. Govardhanan 08/11/14
29.	Mr. B. Brucelee	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. B. Brucelee 08/11/14
30.	Mr. S. Julius Fusic	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. S. Julius Fusic 08/11/14
31.	Mr. T. Prakash	Internal	Asst. Professor, Department of Mechanical Engineering, TCE, Madurai-15	Mr. T. Prakash 08/11/14
32.	Dr. K. Hariharan	Internal	Associate Professor, Department of Electronics & Communication Engineering, TCE, Madurai-15	Dr. K. Hariharan 08/11/14

Sl. No.	Name of the Member	Position of the member	Address of the member	Signature of the member
2	33. Dr.A.Banumathi	Internal	Associate Professor, Department of Electronics & Communication Engineering, TCE, Madurai-15	
3	34. Dr.L.R.KarlMarx	Internal	Associate Professor, Department of Electronics & Communication Engineering, TCE, Madurai-15	
	35. T.Aruna	Internal	Asst. Professor, Department of Electronics & Communication Engineering, TCE, Madurai-15	
4	✓ 36. M.N.Suresh	Internal	Asst. Professor, Department of Electronics & Communication Engineering, TCE, Madurai-15	
5	37. Dr.R.Helen	Internal	Asst. Professor, Department of Electrical & Electronics Engineering, TCE, Madurai-15	
6	✓ 38. V.Mahesh	Internal	Asst. Professor, Department of Electrical & Electronics Engineering, TCE, Madurai-15	
	39. P.Vairaprakash	Internal	Asst. Professor, Department of Electrical & Electronics Engineering, TCE, Madurai-15	
7	✓ 40. Dr.G.S.R.Emil Selvan	Internal	Asst. Professor, Department of Computer Science & Engineering, TCE, Madurai-15	
8 YLP	41. Dr. C.S.Senthilkumar	Internal	Asst. Professor, Department of Mathematics, TCE, Madurai-15	
YLP	42. Dr.V.Velkannan	Internal	Asst. Professor, Department of Chemistry, TCE, Madurai-15	
	43. Dr.S.Sivallango	Internal	Asst. Professor, Department of chemistry, TCE, Madurai-15	
YLP	44. Dr.S.Rajathi	Internal	Asso. Professor, Department of Physics, TCE, Madurai-15	
	45. R. SIVASANKARAN	Internal	Asst. Professor, Department of mechanical Engg, TCE, Madurai-15	
	46. CAPT. P.N. WILLIAM THOMAS	External	DIRECTOR, MOSIMA	



THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(Govt. Aided Autonomous Institution affiliated to Anna University)

DEPARTMENT OF MECHANICAL ENGINEERING

MECHATRONICS PROGRAMME

MINUTES OF THE MEETING

Date of the meeting: 08.11. 2014

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

Attended by:

1. Dr. Ashok Rao	- External	23. Mr. J. Umar Mohammed	- Member
2. Dr.J. E. Diwakar	- External	24. Mr.M.Kannan	- Member
3. Mr. S. Ananthkumar	- External	25. Mr. MS. Govardhanan	- Member
4. Mr. S. Sivakumar	- External	26. Mr.B.Brucelee	- Member
5. Mr. Visweswaran Jagadeesan	- External	27. Mr. S. Julius Fusic	- Member
6. Mrs. Visalakshi Arun Kumar	- External	28. Mr. T. Prakash	- Member
7. Mr. William Thangaraj	- External	29. Dr. K. Hariharan	- Member
8. Dr .N. Jawahar	- Member	30. Dr. A. Banumathi	- Member
9. Dr. M. Palaninatharaja	- Member	31. Dr.L. R. KarlMarx	- Member
10. Dr. S. Muralidharan	- Member	32. Dr. T. Aruna	- Member
11. Dr. K. Chockalingam	- Member	33. Dr. M. N. Suresh	- Member
12. Dr. PL.K. Palaniappan	- Member	34. Dr. R. Helen	- Member
13. Dr. M.Kathiresan	- Member	35. V. Mahesh.	- Member
14. Dr. K. Srihar	- Member	36. P. Vairaprakash	- Member
15. Dr. G. Kumaraguruparan	- Member	37. Dr. G. S. R. Emil Selvan	- Member
16. Mr. V. Balasubramani	- Member	38. Dr. C. S. Senthilkumar	- Member
17. Dr. G. Kanagaraj	- Member	39. Dr. V. Velkannan	- Member
18. Dr. S. Karthikeyan	- Member	40. Dr. S. Rajathi	- Member
19. Dr. S. Saravana Perumaal	- Member		
20. Mr. T. Vivek	- Member		
21. Dr. M. Elango	- Member		
22. Mr. A. Samuel Raja	- Member		

Points Discussed:

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

- The Scheduling of courses for B.E Mechatronics for the students admitted from 2014-15 onwards.
- Syllabi of second semester subject for the students admitted from 2014-15 onwards.
- List of elective subjects.



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MINUTES OF THE MEETING

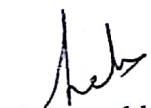
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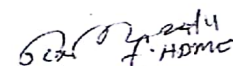
Annexure I

S.No	Point discussed	Action Plan	Responsibility	Target Date
Syllabi for the student admitted from 2014-15				
1.	14MT210 – Engineering Mathematics II <ul style="list-style-type: none">If a problem with same numerical value is solved with both Z transform and Laplace transform, it may result in better understanding of the subject.	Suggestions incorporated	Convener and course designers.	21.11.14
2.	14MT230- Electrical Machines <ul style="list-style-type: none">Members suggested introducing the basics of Electro mechanical energy conversion.Magnetism, solenoid function, linear machines and actuator concepts to be introduced.	Suggestions incorporated	Convener and course designers.	21.11.14
3.	14MT240- Materials for Mechanical and Electronic Systems <ul style="list-style-type: none">Members suggested that part of the theory to be taught as demonstrations and/or practical classes.	Suggestions incorporated	Convener and course designers.	21.11.14

S.No	Point discussed	Action Plan	Responsibility	Target Date
4.	14MT250 – Environmental Science and Engineering <ul style="list-style-type: none"> Members suggested including the concepts such as carbon trading and pollution, E-waste and waste management. To introduce one topic on Climate & Climate change, Green Engineering and ISO Standards. 	Suggestions incorporated	Convener and course designers.	21.11.14
5.	14MT270 – Analog and Digital Devices <ul style="list-style-type: none"> Members suggested including the CMOS Logic concepts To introduce synchronous and asynchronous comparison 	Suggestions incorporated.	Convener and course designers.	21.11.14
6.	14MT280 – Electrical Machines Lab <ul style="list-style-type: none"> Members suggested eliminating predetermination test and tests on characteristic determination of Machines. To include more experiments with various speed control as applicable to Mechatronics. 	Suggestions incorporated.	Convener and course designers.	21.11.14
7.	Others <ul style="list-style-type: none"> To introduce subject on aerodynamics and flight mechanics, thermal and fluid mechanics and unmanned aerial vehicles as core. Virtual Instrumentation title to be changed as System Integration. Analog and digital devices lab to be given as computer programming lab. 	Suggestions incorporated.	Convener and course designers.	21.11.14


 Prepared by:
 VIVEK-T

Date: 24.11.14


 Approved by:

Date: 24.11.14