

THIAGARAJAR COLLEGE OF ENGINEERING: MADURAI 625 015
(An Autonomous Institution Affiliated to Anna University)

Minutes of the Meeting of the Fifty Second Academic Council

The Fifty Second meeting of Academic Council was held on 18th June 2016, Saturday at 10.30 AM in the Conference Hall at Guest House under the Chairmanship of Dr.V.Abhaikumar, Principal. The following members were present.

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| 1. Dr.P.V.Vaidyanathan | Former Vice-Chancellor, Annamalai University |
| 2. Dr. M.Alagar | Professor (Retd.), AC Tech. AU, Chennai |
| 3. Mr.A.M.Rafeek | Special Officer, CDC, DTE, Chennai |
| 4. Dr.R.Vasudevan | Dean, Co-curricular and Extracurricular Activities |
| 5. Dr.V.Mohan | Dean, Planning and Administration |
| 6. Dr.N.Jawahar | Dean, Research and Development |
| 7. Dr.S.Raju | Head, Department of Electronics and Commn. Engineering. |
| 8. Dr.N.Kamaraj | Head, Dept. of Electrical & Electronics Engineering. |
| 9. Dr.S.Mercy Shalinie | Head, Dept. of Computer Science & Engineering |
| 10. Dr.S.Muthuramalingam | Head, Dept. of Information Technology |
| 11. Dr.S.Parthasarathy | Head, Dept. of Computer Applications |
| 12. Dr.R.Vasuki | Head, Dept. of Physics |
| 13. Dr.K.Radha | Head, Dept of Chemistry |
| 14. Dr.T. Velrajan | Professor, Dept. of Civil Engineering |
| 15. Dr. PL.K.Palaniappan | Associate Professor, Dept. of Mechanical Engineering |
| 16. Dr.S.Charlesraja | Assistant Professor, Dept. of Elect. & Electronics Engg. |
| 17. Dr.S.Kanthamani | Associate Professor, Dept. of Electronics & Comm. Engg. |
| 18. Mrs.K.V.Uma | Assistant Professor, Dept. of Information Technology |
| 19. Dr. S.Vijayalakshmi | Asst. Professor, Dept. of Computer Applications |
| 20. Dr. G.Jothilakshmi | Associate Professor, Dept of Mathematics |
| 21. Dr.M.Kottaisami | Professor, Department of Chemistry |
| 22. Mr.S.Sivakumar | Controller of Examinations |
| 23. Mr.M.Muthu Aravindh | Student Member |
| 24. Mr.S.N. Pozhil | Student Member |

Members of Pedagogy Group

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|---------------------------|--|
| 1. Dr.S.J Thiruvengadam | Professor, Dept. of Electronics and Communication Engg. |
| 2. Dr.G.Chitra | Associate Professor, Department of Civil Engineering |
| 3. Dr.S.Saravana Perumaal | Asst. Professor, Department of Mechanical Engineering |
| 4. Dr.S.Padmavathi | Associate Professor, Dept. of Computer Science and Engg. |
| 5. Mr.B.Ashok Kumar | Asst. Professor, Department of EEE |
| 6. Mr.A.L.Subramanian | Asst. Professor, Department of Physics |
| 7. Dr.S.Rajkumar | Asst. Professor, Department of Chemistry |

The following members had expressed their inability to attend the meeting due to their pre-occupation.

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| 1. Dr.N.Vedachalam | ISRO Distinguished Professor, ISRO, Trivandrum |
| 2. Dr.D.K.Subramanian | Professor(Retd.), Indian Institute of Science, Bengaluru |
| 3. Dr.R.Rudramurthy | Principal, PSG College of Technology, Coimbatore |
| 4. Dr.Aloknath De | Senior Vice President and CTO, SAMSUNG, Bengaluru |
| 5. Dr.C.Muruganantham | Head, Department of Mechanical Engineering |
| 6. Dr.K.Arunachalam | Head, Dept of Civil Engineering |
| 7. Dr.Jinu Loueshidha Kitchley | Head, Dept. of Architecture |
| 8. Dr.S.Rajathi | Associate Professor, Department of Physics |

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| 9. Mrs.B.Subbulakshmi | Assistant Professor, Dept. of Computer Science and Engg. |
| 10. Mrs.C.Jeyamala | Asst. Professor, Department of Information Technology |
| 11. Dr.D.Anitha | Asst. Professor, Department of Computer Applications |
| 12. Dr.M.Sivananda Saraswathy | Asst. Professor, Department of Mathematics |

The following student members could not attend the meeting as they have been doing their summer internship at industries.

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| 1. Mr.R. Prakash | Student Member |
| 2. Ms.K.Jegadha | Student Member |

The Agenda for the meeting:

- To consider the business brought forward by the Boards of Studies and by the Standing Committee of the Academic Council.
- To discuss any other matters pertaining to the academic activities of the college.

- 52:01** To confirm the minutes of the 51st meeting of the Academic Council held on 20.02.2016.

Resolved to confirm the minutes of the 51st academic council held on 20th February 2016 as there were no comments on the minutes.

- 52:02** To review the action taken on the Minutes of the 51st meeting held on 20.02.2016.

The Chairman presented the Action Taken Report on the suggestions made during the 51st academic Council meeting. The Council resolved to ratify the actions taken and accepted the time requested for implementation of few suggestions.

- 52:03** To consider the recommendations of Board of Studies of Civil Engineering to introduce the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E (Civil Engineering) Degree Programme as given in **Annexure-A** (Page No.1 to 35).

Resolved to approve the Courses of Study, Scheme of Examinations, syllabi for V Semester B.E (Civil Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:04** To consider the recommendations of Board of Studies of Civil Engineering to introduce elective courses for B.E (Civil Engineering) Degree Programme as given in **Annexure-B** (Page No. 36 to 57).

Resolved to approve the introduction of elective courses for B.E (Civil Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:05** To consider the recommendations of Board of Studies of Civil Engineering to introduce the Categorization of Courses for B.E (Civil Engineering) Degree Programme in Choice Based Credit System as given in **Annexure-C** (Page No. 58 to 65).

Resolved to approve the Categorization of Courses in Choice Based Credit system for B.E.(Civil Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:06** To consider the recommendations of Board of Studies of Civil Engineering to approve target attainment levels of Program Educational Objectives of M.E.(Structural Engineering), M.Tech. (Environmental Engineering) and M.E. (Infrastructure Engineering and Management) Degree Programmes as given in **Annexure-D** (Page No. 66 to 68).

Resolved to approve the target attainment levels of Program Educational Objectives of M.E.(Structural Engineering), M.Tech. (Environmental Engineering) and M.E.(Infrastructure Engineering and Management) Degree Programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:07** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Mechanical Engineering) Degree Programme as given in **Annexure-E** (Page No 69 to 112).

Resolved to approve the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Mechanical Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:08** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce elective courses for B.E (Mechanical Engineering) Degree Programme as given in **Annexure-F** (Page No.113 to 152).

Resolved to approve the introduction of elective Courses for B.E.(mechanical Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:09** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce the Categorization of Courses for B.E (Mechanical Engineering) Degree Programme in Choice Based Credit System as given in **Annexure-G** (Page No. 153 to 159).

Resolved to approve the Categorization of Courses in Choice Based Credit System for B.E.(Mechanical Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:10** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce One Credit Courses for B.E (Mechanical Engineering) Degree Programme as given in **Annexure-H** (Page No. 160 to 190).

Resolved to approve the introduction of One Credit Courses for B.E.(Mechanical Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:11** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce elective course '14MGPZ0 Friction Stir Welding' for M.E (Manufacturing Engineering) Degree Programme as given in **Annexure-J** (Page No. 191 to 194).

Resolved to approve the introduction of elective course '14MGPZ0 Friction Stir Welding' for M.E (Manufacturing Engineering) Degree Programme as presented in academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:12** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure - K** (Page No. 195 to 239).

Resolved to approve the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E.(Electrical and Electronics Engineering) Degree Programme as presented in academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:13** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce elective courses for B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure -L** (Page No. 240 to 277).

Resolved to approve the introduction of elective courses for B.E.(Electrical and Electronics Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:14** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce the Categorization of Courses for B.E.(Electrical and Electronics Engineering) Degree Programme in Choice Based Credit System as given in **Annexure-M** (Page No. 278 to 285).

Resolved to approve the Categorization of Courses in choice based credit system for B.E.(Electrical and Electronics Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:15** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the course codes for One Credit, Programme Elective and General Elective courses with the same syllabus content for B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure-N** (Page No. 286- 287).

Resolved to approve the revision of course codes for One Credit, Programme Elective and General Elective courses with the same syllabus content for B.E.(Electrical and Electronics Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:16** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Electronics and Communication Engineering) Degree Programme as given in **Annexure -P** (Page No.288 to 322).

Resolved to approve the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Electronics and Communication Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:17** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce elective courses for B.E. (Electronics Communication Engineering) Degree Programme as given in **Annexure-Q** (Page No.323 to 350).

Resolved to approve the introduction elective courses for B.E. (Electronics Communication Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:18** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce the Categorization of Courses B.E. (Electronics and Communication Engineering) Degree Programme in Choice Based Credit System as given in **Annexure –R** (Page No.351 to 356).

Resolved to approve the Categorization of Courses in Choice Based Credit System for B.E. (Electronics and Communication Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:19** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce the Categorization of Courses for B.E.(Computer Science and Engineering) Degree Programme in Choice Based Credit System as given in **Annexure – S**(Page No. 357 to 363).

Resolved to approve the Categorization of Courses in Choice Based Credit System for B.E. (Computer Science and Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:20** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce Foundation Elective Courses '14CSFB0 Data Communication' and '14CSFC0 Object Oriented Analysis and Design' for B.E.(Computer Science and Engineering) Degree Programme as given in **Annexure –T** (Page No. 364 to 372).

Resolved to approve the introduction of the Foundation Elective Courses '14CSFB0 Data Communication' and '14CSFC0 Object Oriented Analysis and Design' for B.E.(Computer Science and Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:21** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce One Credit Courses on '14CS1B0 Mobile Application Development' and '14CS1C0 Practical Approaches to Networking' for B.E.(Computer Science and Engineering) Degree Programme as given in **Annexure – U**(Page No. 373 to 380).

Resolved to approve the introduction of One Credit Courses on '14CS1B0 Mobile Application Development' and '14CS1C0 Practical Approaches to Networking' for B.E.(Computer Science and Engineering) Degree Programme.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:22** To consider the recommendations of Board of Studies of Information Technology to introduce the Categorization of Courses for B.Tech.(Information Technology) Degree Programme in Choice Based Credit System as given in **Annexure –V** (Page No.381 to 388).

Resolved to approve the Categorization of Courses in Choice Based Credit System for B.Tech.(Information Technology) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:23** To consider the recommendations of Board of Studies of Information Technology to introduce One/Two Credit Courses for B.Tech.(Information Technology) Degree Programme as given in **Annexure –W**(Page No.389 to 415).

Resolved to approve the introduction of One/Two Credit Courses for B.Tech.(Information Technology) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:24** To consider the recommendations of Board of Studies of Information Technology to introduce a Laboratory Course '14IT780 User Interface Design Laboratory' for B.Tech.(Information Technology) Degree Programme as given in **Annexure –X** (Page No.416 to 417).

Resolved to approve to introduction of the Laboratory Course '14IT780 User Interface Design Laboratory' for B.Tech.(Information Technology) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

- 52:25** To consider the recommendations of Board of Studies of Information Technology to revise the course codes for the elective courses for B.Tech.(Information Technology) Degree Programme as given in **Annexure –Y** (Page No.418).

Resolved to approve the revision of the course codes for the elective courses for B.Tech.(Information Technology) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:26** To consider the recommendations of Board of Studies of Information Technology to introduce General Elective Courses for B.E Degree Programmes as given in **Annexure –Z** (Page No.419 to 450).

Resolved to approve the introduction of General Elective Courses for B.E Degree Programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:27** To consider the recommendations of Board of Studies of Information Technology to introduce Two Credit Courses '14IS2A0 Malicious Software Analysis' and '14IS2B0 Advances in Network Security and Management' for M.E (Computer Science and Information Security) Degree Programme as given in **Annexure-AA** (Page No.451 to 461).

Resolved to approve the introduction of Two Credit Courses '14IS2A0 Malicious Software Analysis' and '14IS2B0 Advances in Network Security and Management' for M.E (Computer Science and Information Security) Degree Programme as presented in the academic council.

This comes into effect for the students from the academic year 2016-17 onwards.

- 52:28** To consider the recommendations of Board of Studies of Mechatronics to introduce the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Mechatronics) Degree Programme as given in **Annexure -AB** (Page No.462 to 496).

Resolved to approve the Courses of Study, Scheme of Examinations and Syllabi for V Semester B.E. (Mechatronics) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:29** To consider the recommendations of Board of Studies of Mechatronics to introduce new elective courses for B.E. (Mechatronics) Degree Programme as given in **Annexure -AC** (Page No.497 to 522).

Resolved to approve the introduction of elective courses for B.E. (Mechatronics) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:30** To consider the recommendations of Board of Studies of Mechatronics to introduce One Credit courses for B.E. (Mechatronics) Degree Programme as given in **Annexure -AD** (Page No.523 to 535).

Resolved to approve the introduction of One Credit courses for B.E. (Mechatronics) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2014-15 onwards.

- 52:31** To consider the recommendations of Board of Studies of Mechatronics to introduce the Categorization of Courses for B.E. (Mechatronics) Degree Programme in Choice Based Credit System as given in **Annexure -AE** (Page No.536 to 541).

Resolved to approve the Categorization of Courses in Choice Based Credit System for B.E. (Mechatronics) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2015-16 onwards.

During the academic council meeting, the following point is discussed:

- In the last two academic years, on an experimental basis, similar to GATE Examination, negative marking scheme was introduced for the courses '14EE240 Electromagnetic Fields' and '14EE270 Electric Circuit Analysis' in B.E. (Electrical and Electronics Engineering) Degree Programme. As it is not followed for other Programmes and to have a uniform evaluation scheme, it is proposed to remove the negative marking and revert to the conventional evaluation scheme.

Resolved to approve the proposal to remove the negative marking for the courses '14EE240 Electromagnetic Fields' and '14EE270 Electric Circuit Analysis' in B.E. (Electrical and Electronics Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2016-17 onwards.

S.J. Thiruvengadam

Prepared by: **Dr.S.J. Thiruvengadam**
Pedagogy Group Coordinator

V. Abhaikumar

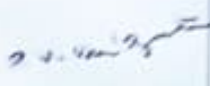

Approved by: **Dr.V.Abhaikumar**
Principal



THIAGARAJAR COLLEGE OF ENGINEERING MADURAI - 625 025
(A Govt. Aided Autonomous Institution affiliated to Anna University)

52nd Academic Council Meeting - Attendance sheet
18th June, 2016 (Saturday)

List of External Member

Sl.No	Name	Phone No. / e-mail	Signature
1.	Dr.P.V. Vaidyanathan	9446021099 p.v.vaidyanathan@gmail.com	
2.	Dr.D.K.Subramanian	ABSENT	
3.	Dr. N.Vedachalam	ABSENT	
4.	Dr.M.Alagar	09444216776 09566248517 mkalagar@yahoo.com	m.alagar 18/06/16.
5.	Dr. R.Rudramoorthy	ABSENT	
6.	Dr. Alok Nath De	ABSENT	
7.	Mr. A.M. Rafeek	9444246596 am-rafeek@yahoo.com	 18/6/16

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52nd Academic Council Meeting – Attendance sheet
18th June, 2016 (Saturday)

List of Internal Members

Sl.No	Name	Signature
8.	Dr. V. Abhai Kumar	V. Abhai Kumar
9.	Dr. R. Vasudevan	R. Vasudevan
10.	Dr. V. Mohan	Mohan V.
11.	Dr. N. Jawahar	N. Jawahar
12.	Dr. K. Arunachalam	ABSENT
13.	Dr. C. Muruganatham	ABSENT
14.	Dr. S. Raju	S. Raju
15.	Dr. N. Kamaraj	N. Kamaraj
16.	Dr. S. Mercy Shalinie	S. Mercy Shalinie
17.	Dr. S. Muthuramalingam	S. Muthuramalingam
18.	Dr. Jinu Ioushidha Kitchely	ABSENT
19.	Dr. S. Parthasarathy	S. Parthasarathy
20.	Dr. K. Radha	K. Radha
21.	Dr. R. Vasuki	R. Vasuki
22.	Dr. T. Vel Rajan	T. Vel Rajan
23.	Dr. PLK. Palaniappan	PLK. Palaniappan
24.	Dr. S. Charlesraja	S. Charlesraja
25.	Dr. S. Kanthamani	S. Kanthamani
26.	Mrs. B. Subbulakshmi	ABSENT

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52nd Academic Council Meeting – Attendance sheet
18th June, 2016 (Saturday)

List of Internal Members

Sl.No	Name	Signature
27.	Mrs. K.V. Uma	K.V. Uma
28.	Mrs. R. Shanthi Priya	R. Shanthi Priya
29.	Dr. S. Vijayalakshmi	S. Vijayalakshmi
30.	Dr. S. Rajathi	ABSENT
31.	Dr. M. Kottaisamy	M. Kottaisamy
32.	Dr. G. Jothilakshmi	G. Jothilakshmi
33.	Mr. S. Sivakumar (COE)	S. Sivakumar (COE)
34.	Dr. M. Palaninatha Raja	M. Palaninatha Raja

List of Pedagogy group Members

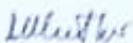
Sl.No	Name	Signature
35.	Dr. S.J. Thiruvengadam	S.J. Thiruvengadam
36.	Dr. G. Chitra	G. Chitra
37.	Dr. S. Saravanaperumal	S. Saravanaperumal
38.	Dr. S. Padmavathy	S. Padmavathy
39.	Mr. B. Ashok kumar	B. Ashok kumar
40.	Mrs. C. Jeyamala	ABSENT
41.	Mr. A.L. Subramanian	A.L. Subramanian
42.	Dr. S. Rajkumar	S. Rajkumar
43.	Dr. M. Sivanandha Saraswathy.	ABSENT
44.	Dr. D. Anitha	ABSENT

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52nd Academic Council Meeting – Attendance sheet
18th June, 2016 (Saturday)

Student Nominee

Sl.No	Name	Signature
45	Mr. R. Prakash, Reg.No.13B87 (B.E Civil Engineering) VII sem	ABSENT
46	Ms. K. Jegadha, Reg.No.15IM006 (M.E. Infrastructure Engineering and Management)	ABSENT
47	Mr. M. MuthuAravindh, Reg.No.13G44 (B.E Mechanical Engineering) VII sem	
48	Mr. S.N. Pozhil, Reg.No.15MF010, (M.E. Manufacturing Engineering)	