

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

Minutes of the Meeting of the Forty Seventh Academic Council

The forty Seventh meeting of Academic Council was held on 1st March 2014, Saturday at 02.00PM in the Conference Hall at Guest House under the Chairmanship of Dr.V.Abhaikumar, Principal. The following members were present.

1. Dr.P.V.Vaidyanathan	Former Vice-Chancellor, Annamalai University
2. Dr. M.Alagar	Professor of Chemical Engg., 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.N.Jawahar	Dean, Research and Development
6. Dr.K.Arunachalam	Head, Dept of Civil Engineering
7. Dr.C.Muruganantham	Head, Department of Mechanical Engineering
8. Dr.S.Raju	Head, Department of Electronics and Commn. Engg.
9. Dr.N.Kamaraj	Head, Dept. of Electrical & Electronics Engg.
10. Dr.S.Mercy Shalinie	Head, Dept. of Computer Science & Engineering
11. Dr.S.Muthuramalingam	Head, Dept. of Information Technology
12. Dr.Jinu Loueshidha Kitchley	Head, Architecture
13. Dr.S.Parthasarathy	Head, Dept. of Computer Applications
14. Dr.S.Radha	Head, Dept of Chemistry
15. Dr.R.Vasuki	Head, Dept. of Physics
16. Dr.S.Arul Mary	Associate professor, Dept. of Civil Engineering
17. Dr. K.Chockalingam	Associate Professor, Dept. of Mechanical Engineering
18. Dr.K.Selvi	Assoc. Professor, Dept. of Elect. & Electronics Engg.
19. Dr.B.Manimegalai	Asst. Professor, Dept. of Electronics & Commn. Engg.
20. Dr.P.Chitra	Asst. Professor, Dept. of Computer Science & Engg.
21. Mrs.C.Jeyamala	Asst. Professor, Dept. of Information Technology
22. Mrs. S.Vijayalakshmi	Asst. Professor, Dept. of Computer Applications
23. Dr. S.Jayabharathi	Asst. Professor., Dept of Mathematics
24. Mr.P.Subramanian	Associate Professor, Dept. of Mathematics
25. Dr.M.Palaninatha Raja	Registrar - Ex-Officio Secretary

Special Invitees: (Members of Pedagogy Group)

1. Dr.S.J Thiruvengadam	Professor, Dept. of Elect. & Commn. Engg.
2. Dr..C.Deisy	Asst. Professor, Dept. of Computer Science & Engg
3. Dr.G.Chitra	Assoc. Professor, Dept. of Civil Engineering
4. Mr.S.Saravana Perumal	Asst. Professor, Department of Mechanical Engineering
5. Mr.A.L.Subramanian	Asst. Professor, Department of Physics
6. Mr.S.Rajkumar	Asst. Professor, Department of Chemistry
7. Ms.D.Anitha	Asst. Professor, Department of Computer Applications
8. Mr.B.Ashok Kumar	Asst. Professor, Department of EEE
9. Mrs.M.Sivananda Saraswathy	Asst. Professor, Department of Mathematics

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

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| 1. Dr.D.K.Subramanian | Former Professor, Indian Institute of Science, Bengaluru |
| 2. Dr.N.Vedachalam | ISRO Distinguished Professor, ISRO, Trivandrum |
| 3. Dr.R.Rudramurthy | Principal, PSG College of Technology, Coimbatore |
| 4. Dr.Aloknath De | Senior Vice President and CTO, Samsung, Bengaluru |
| 5. Dr.V.Mohan | Dean, Planning and Administration |
| 6. Dr.M.Mahendran | Asst. Professor, Dept. of Physics |

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 matter pertaining to the academic activities of the college.

- 47:01** To confirm the minutes of the 46th meeting of the Academic Council held on 10th August 2013.

Resolved to confirm the minutes of the 46th academic council held on 10th August 2013 as there were no comments on the minutes.

- 47:02** To review the action taken on the Minutes of the 46th meeting held on 10th August 2013.

The Chairman presented the Action Taken Report on the suggestions made during the 46th academic Council meeting. The Council resolved to ratify the actions taken as presented and accepted the time requested for implementation of few suggestions. .

- 47:03** To consider and ratify the recommendations of Board of Studies of Electrical and Electronics Engineering to implement the subjects of study, scheme of examinations, syllabi for the core and elective subjects of VI Semester B.E (Electrical and Electronics Engineering) Degree Programme as given in **Annexure-A** (Page No.1 to 59)

Resolved to approve and ratify the implementation of the syllabi for the subjects of study, scheme of examinations, syllabi for the core and elective subjects of VI Semester 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 2011-2012 onwards.

- 47:04** To consider and ratify the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the syllabi of the subjects 'E43 Microprocessor and Microcontroller' and 'ECS Automotive Electronics' of B.E. Electrical and Electronics Engineering Degree Programme as given in **Annexure - B** (Page No.60 to 67).

Resolved to approve and ratify the revision of the syllabi of the subjects 'E43 Microprocessor and Microcontroller' and 'ECS Automotive Electronics' of 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 2012-2013 onwards.

- 47:05** To consider and ratify the recommendations of Board of Studies of Mechanical Engineering to introduce the following Elective subjects for B.E. Mechanical Engineering Degree Programme as given in **Annexure – C** (Page No.68 to 139).

GC1	Integrated Product Development
GC2	Fundamentals of Spark Ignition Engines
GC3	Spark Ignition Engines – Design & Engineering
GC4	Vehicle Design Engineering – Statics
GC5	Vehicle Design Engineering-Dynamics
GC6	Assembly Engineering
GC7	Metal Cutting Processes Engineering
GC8	Design for Welding
GC9	Sheet Metal Drawing and Bending

Resolved to approve and ratify the introduction of the above list of elective subjects 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 2010-2011 onwards.

- 47:06** To consider and ratify the recommendations of Board of Studies of Mechanical Engineering to introduce a General Elective subject 'GGE Automotive Engineering' for B.E./B.Tech. Engineering Degree programmes as given in **Annexure –D** (Page No 140 to 147).

Resolved to approve and ratify the introduction of the General Elective subject 'GGE Automotive Engineering' for B.E./B.Tech. Engineering Degree programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2011-12 onwards.

- 47:07** To consider and ratify the recommendations of Board of Studies of Mechanical Engineering to introduce the following one credit courses for B.E. Mechanical Engineering Degree Programme as given in **Annexure –E** (Page No. 148 to 156).

G1G	Mechanical Engineering Perspectives in Rocketry Systems
G1H	Basics of HVAC
G1K	Nuclear Engineering – Basics
G1L	Industrial Hydraulics

Resolved to approve and ratify the introduction of the above list 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 2010-11 onwards.

- 47:08** To consider and ratify the recommendations of Board of Studies of Computer Science and Engineering to revise the syllabi of the subject 'CTP Cloud Computing' for M.E. Computer Science and Engineering Degree programme as given in **Annexure – F** (Page No. 157 to 163).

Resolved to approve and ratify the revision of the syllabi of the subject 'CTP Cloud Computing' for M.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 2013-2014 onwards.

- 47:09** To consider and ratify the recommendations of Board of Studies of Computer Science and Engineering to revise the syllabi of the subject 'CCF Grid Computing' for B.E. Computer Science and Engineering Degree programme as given in **Annexure – G** (Page No. 164 to 168).

Resolved to approve and ratify the revision of the syllabi of the subject 'CCF Grid Computing' 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 2011-2012 onwards.

- 47:10** To consider the recommendations of Board of Studies of Computer Science and Engineering to revise the syllabi of the subject 'C35 Design and Analysis of Algorithms' for B.E. Computer Science and Engineering Degree programme as given in **Annexure – H** (Page No. 169 to 179).

Resolved to approve the revision of the syllabi of the subject 'C35 Design and Analysis of Algorithms' 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 2013-2014 onwards.

- 47:11** To consider and ratify the recommendations of Board of Studies of Computer Science and Engineering to introduce the one credit courses 'C1H Introduction to IT Service Management' and 'C1I Introduction to mainframe Systems' for B.E. Computer Science and Engineering Degree Programme as given in **Annexure – J** (Page No. 180 to 189).

Resolved to approve and ratify the introduction of the one credit courses 'C1H Introduction to IT Service Management' and 'C1I Introduction to mainframe Systems' 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 2010-11 onwards.

- 47:12** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce General Elective subjects 'CGF Object Oriented Design', 'CGG Essentials of Mobile Application Development' and 'CGH Animation Tools: Theory and Practice' for B.E./B.Tech. Degree Programmes as given in **Annexure –K** (Page No.190 to 204).

Resolved to approve the introduction of the syllabi of the General Elective subjects 'CGF Object Oriented Design', 'CGG Essentials of Mobile Application Development' and 'CGH Animation Tools: Theory and Practice' for B.E./B.Tech. Degree Programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2011-12 onwards.

- 47:13** To consider the recommendations of Board of Studies of Architecture to introduce one credit short term course on 'ARAST4 Architectural Photography' for B.Arch. Degree Programme as given in **Annexure –L** (Page No.205 to 206).

Resolved to approve the introduction of the one credit short term course on 'ARAST4 Architectural Photography' for B.Arch. Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2010-11 onwards.

- 47:14** To consider the recommendations of Board of Studies of Architecture to increase the credit for General Elective subjects from 2 to 3 and hence the total credits to be earned from 214 to 215 for B.Arch. Degree Programme as given in **Annexure –M** (Page No.207 to 209).

Resolved to approve to increase the credit for General Elective subjects from 2 to 3 and hence the total credits to be earned from 214 to 215 for B.Arch. Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2010-11 onwards.

- 47:15** To consider the recommendations of Board of Studies of Architecture to change the method of conducting the Examinations for 'Theory cum Studio' courses, except 'ARA36 3D Visualization and Modeling' and 'AR56 Working Drawing for Buildings' for B.Arch. Degree Programme.

Resolved to approve to conduct the Examinations for 'Theory cum Studio' courses by the Controller of Examinations, except the subjects 'ARA36 3D Visualization and Modeling' and 'AR56 Working Drawing for Buildings' for B.Arch. Degree Programme, as presented in the academic council.

This comes into effect from the even semester of the academic year 2013-14 onwards.

- 47:16** To consider and ratify the decisions of Standing Committee of this academic council to permit the students to go through the answer script for re-totaling when they apply for revaluation after the publication of the results.

Resolved to approve and ratify to permit the students to go through the answer script for re-totaling before they apply for revaluation.

This comes into effect from the academic year 2013-14 onwards.

During the academic council meeting, the members had suggested the following action items:

General

- Road Maps for the Departments and individual faculty members are to be prepared.

Summary of suggestions made to respective Departments:

Computer Science and Engineering

- The title of the one credit course 'CGH Animation Tools: Theory and Practice' is to be changed as 'CGH Animation: Theory and Practice'.

Mechanical Engineering

- The title of the subject '*GC2 Fundamentals of Spark Ignition Engines*' is to be changed '*GC2 Spark Ignition Engines*'
- The topic 'Thread Chasing' is to be included in the subject "*GC7 Metal Cutting Processes Engineering*".
- The topic 'Explosion Welding' may be included in the subject "*GC8 Design for Welding*".
- The topic 'Reverse Drawing' is to be included in the subject "*GC9 Sheet Metal Drawing and Bending*".

Architecture

- The preamble for the one credit short term course on '*ARAST4 Architectural Photography*' is to be edited.

S. J. Thiruvengadam

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

V. Abhaikumar

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

