

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

Minutes of the Fifty Sixth Meeting of Academic Council

The Fifty Sixth meeting of Academic Council was held on 21st July 2018, Saturday at 02.00PM in the Seminar Hall at Department of Electronics and Communication Engineering under the Chairmanship of Dr.V.Abhaikumar, Principal. The following members were present.

1.	Dr.N.Vedachalam	ISRO Distinguished Professor, ISRO, Trivandrum
2.	Dr.Rajeev Sukumaran	Senior Advisor, Teaching Learning Centre, IIT Madras
3.	Mr.A.M.Rafeek	Special Officer, CDC, DTE, Chennai
4.	Mr. M. V. Ramana Murthy	Director & Head, R&D Operations, Ericsson R&D, Bengaluru
5.	Dr.V.Mohan	Registrar
6.	Dr.N.Kamaraj	Dean, Students
7.	Dr.T. Velrajan	Head, Dept. of Civil Engineering
8.	Dr.S.Baskar	Head, Dept. of Electrical and Electronics Engineering
9.	Dr.S.J. Thiruvengadam	Head, Dept. of ECE, Member Secretary
10.	Dr.S.Mercy Shalinie	Head, Dept. of Computer Science & Engineering
11.	Dr.C.Deisy	Head, Dept. of Information Technology
12.	Dr.S.Jeyabharathi	Head, Dept. of Mathematics
13.	Dr.M.Kottaisamy	Head, Dept of Chemistry
14.	Dr.R.Vasuki	Head, Dept. of Physics
15.	Dr.S.Parthasarathy	Head, Dept. of Computer Applications
16.	Mr.S.Sivakumar	Controller of Examinations
17.	Dr.T.Baskaran	Assistant Professor, Dept. of Civil Engineering
18.	Dr. PL.K.Palaniappan	Associate Professor, Dept. of Mechanical Engineering
19.	Dr.M.Saravanan	Assistant Professor, Dept. of Elect. & Electronics Engg.
20.	Dr.V.R.Venkatasubramani	Assistant Professor, Dept. of Electronics & Commn. Engg
21.	Dr.B.Subbulakshmi	Assistant Professor, Dept. of Computer Science and Engg.
22.	Dr.S.Pudumalar	Assistant Professor, Dept. of Information Technology
23.	Dr. S.Vijayalakshmi	Assistant Professor, Dept. of Computer Applications
24.	Dr. G.Kanagaraj	Associate Professor, Dept. of Mechatronics
25.	Dr.A.Madhumathi	Professor, Dept. of Architecture
26.	Dr. G.Jothilakshmi	Associate Professor, Dept of Mathematics
27.	Dr.S.Rajathi	Associate Professor, Department of Physics
28.	Dr.J.Shanmugapriya	Assistant Professor, Dept. of Chemistry
29.	Dr.C.Muruganantham	Professor, Dept. of Mechanical Engineering
30.	Mr.S.Yuvan Shankar Karthick	Student, B.E. Civil Engineering
31.	Ms.R.M.Meenakshi	Student, M.E. Power System Engineering
32.	Ms.S.Keerthana	Student, B.E. Computer Science and Engineering
33.	Mr.U.Senthil Kumar	Student, B.E. Mechatronics

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

1.	Dr.D.K.Subramanian	Former Professor, Indian Institute of Science, Bengaluru
2.	Dr.V.Chelladurai	Principal, Coimbatore Institute of Technology, Coimbatore
3.	Dr.R.Vasudevan	Dean, Co-curricular and Extracurricular Activities
4.	Dr.S.Raju	Dean, Industry Institute Interaction
5.	Dr.M.Palaninatha Raja	Dean, Planning & Admin. and Head, Dept. of Mechatronics
6.	Dr.K.Chockalingam	Head, Dept. of Mechanical Engineering
7.	Dr.Jinu Loueshidha Kitchley	Head, Dept. of Architecture

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.

56:01 To confirm the minutes of the 55th meeting of the Academic Council held on 16th December 2017.

Resolved to confirm the minutes of the 55th academic council held on 16th December 2017 as there were no comments on the minutes.

56:02 To review the action taken on the Minutes of the 55th meeting held on 16th December 2017.

The Chairman presented the actions taken on the suggestions made during the 55th Academic Council meeting. The Council resolved to ratify the actions taken as presented and accepted the time requested for implementation of few suggestions. .

56:03 To consider the recommendations of Board of Studies of Civil Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Structural Engineering) Degree Programme as given in **Annexure–A** (Page No 1 to 96).

Resolved to approve the curriculum and detailed syllabus for M.E. (Structural Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:04 To consider the recommendations of Board of Studies of Civil Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Environmental Engineering) Degree Programme as given in **Annexure–B** (Page No 97 to 206).

Resolved to approve the curriculum and detailed syllabus for M.E. (Environmental Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:05 To consider the recommendations of Board of Studies of Civil Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Infrastructure Engineering and Management) Degree Programme as given in **Annexure–C** (Page No 207 to 286).

Resolved to approve the curriculum and detailed syllabus for M.E. (Infrastructure Engineering and Management) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:06 To consider the recommendations of Board of Studies of Civil Engineering to introduce General Elective Course 14CEGG0 Basic Course in Entrepreneurship for B.E. and B.Tech. Degree Programmes as given in **Annexure–D** (Page No 287 to 290).

Resolved to approve the introduction of General Elective Course 14CEGG0 Basic Course in Entrepreneurship for B.E. and B.Tech. Degree Programmes as presented in the academic council.

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

56:07 To consider the recommendations of Board of Studies of Civil Engineering to introduce the Categorization of Courses under Choice Based Credit System for B.E. (Civil Engineering) Degree Programme as given in **Annexure–E** (Page No 291 to 300).

Resolved to approve the Categorization of Courses under 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 2018-19 onwards.

56:08 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Industrial Engineering) Degree Programme as given in **Annexure–F** (Page No 301 to 354).

Resolved to approve the curriculum and detailed syllabus for M.E. (Industrial Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:09 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Manufacturing Engineering) Degree Programme as given in **Annexure–G** (Page No 355 to 420).

Resolved to approve the curriculum and detailed syllabus for M.E. (Manufacturing Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:10 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce the Categorization of Courses under Choice Based Credit System for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure–H** (Page No 421 to 428).

Resolved to approve the Categorization of Courses under 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 2018-19 onwards.

- 56:11** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Power System Engineering) Degree Programme as given in **Annexure–J** (Page No 429 to 495).

Resolved to approve the curriculum and detailed syllabus for M.E. (Power System Engineering) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:12** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Control and Instrumentation) Degree Programme as given in **Annexure–K** (Page No 496 to 561).

Resolved to approve the curriculum and detailed syllabus for M.E. (Control and Instrumentation) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:13** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce the Industry Supported Courses ‘14EE1W0 Python Programming’ and ‘14EE1Y0 Embedded Solutions – A System Design Perspective’ for B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure–L** (Page No 562 to 569).

Resolved to approve the introduction of the Industry Supported Courses ‘14EE1W0 Python Programming’ and ‘14EE1Y0 Embedded Solutions – A System Design Perspective’ 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.

- 56:14** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to Categorization of Courses for B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure–M** (Page No 570 to 575).

Resolved to approve the Categorization of 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 2018-19 onwards.

- 56:15** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Communication Systems) Degree Programme as given in **Annexure-N** (Page No 576 to 734).

Resolved to approve the curriculum and detailed syllabus for M.E. (Communication Systems) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:16** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E. (Wireless Technologies) Degree Programme as given in **Annexure-P** (Page No 735 to 875).

Resolved to approve the curriculum and detailed syllabus for M.E. (Wireless Technologies) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:17** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce the Industry Supported Course '14EC1D0 Embedded Solutions: A System Design Perspective' for B.E. (Electronics and Communication Engineering) Degree Programme as given in **Annexure-Q** (Page No 876 to 879).

Resolved to approve the introduction of the Industry Supported Course '14EC1D0 Embedded Solutions: A System Design Perspective' 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.

- 56:18** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to Categorization of Courses for B.E. (Electronics and Communication Engineering) Degree Programme as given in **Annexure-R** (Page No 880 to 885).

Resolved to approve the Categorization of Courses 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 2018-19 onwards.

- 56:19** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce curriculum (CBCS) and detailed syllabus for M.E.(Computer Science and Engineering) Degree Programme as given in **Annexure–S** (Page No 886 to 925).

Resolved to approve the curriculum and detailed syllabus 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 2018-19 onwards.

- 56:20** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce Curriculum (CBCS) and detailed Syllabus for B.E. (Computer Science and Engineering) Degree Programme as given in **Annexure –T** (Page No. 926 to 1070).

Resolved to approve the curriculum and detailed syllabus 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 2018-19 onwards.

- 56:21** To consider the recommendations of Board of Studies of Information Technology to introduce curriculum (CBCS) and detailed syllabus for M.E.(Computer Science and Information Security) Degree Programme as given in **Annexure–U** (Page No 1071 to 1123).

Resolved to approve the curriculum and detailed syllabus for M.E.(Computer Science and Information Security) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:22** To consider the recommendations of Board of Studies of Information Technology to consider the expected proficiency and attainment levels for Program Outcomes and Course Outcomes for M.E (Computer Science and Information Security) Degree Programme as given in **Annexure–V** (Page No 1124 to 1126).

Resolved to approve the expected proficiency and attainment levels for Program Outcomes and Course Outcomes for M.E (Computer Science and Information Security) Degree Programme as presented in the academic council.

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

- 56:23** To consider the recommendations of Board of Studies of Information Technology to introduce curriculum (CBCS) and detailed syllabus for B.Tech.(Information Technology) Degree Programme as given in **Annexure - W** (Page No 1127 to 1258).

Resolved to approve the curriculum and detailed syllabus 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 2018-19 onwards.

- 56:24** To consider the recommendations of Board of Studies of Information Technology to consider the expected proficiency and attainment levels for Program Outcomes and Course Outcomes for B.Tech. (Information Technology) Degree Programme as given in **Annexure–X** (Page No 1259 to 1267).

Resolved to approve the expected proficiency and attainment levels for Program Outcomes and Course Outcomes 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 2011-12 onwards.

- 56:25** To consider the recommendations of Board of Studies of Mechatronics to introduce curriculum (CBCS) and detailed syllabus for M.E.(Mechatronics) Degree Programme as given in as given in **Annexure–Y** (Page No 1268 to 1328).

Resolved to approve the curriculum and detailed syllabus for M.E.(Mechatronics) Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:26** To consider the recommendations of Board of Studies of Mechatronics to introduce Categorization of Courses for B.E.(Mechatronics) Degree Programme as given in **Annexure–Z** (Page No 1329 to 1335).

Resolved to approve the Categorization of 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 2018-19 onwards.

- 56:27** To consider the recommendations of Board of Studies of Architecture to introduce Rules and Regulations for M.Arch. Degree Programme as given in **Annexure –AA** (Page No. 1336 to 1349).

Resolved to approve the Rules and Regulations for M.Arch. Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:28** To consider the recommendations of Board of Studies of Architecture to introduce Online Courses for B.Arch. Degree Programme as given in **Annexure –AB** (Page No.1350 to 1364).

Resolved to approve the Online Courses for B.Arch. Degree Programme as presented in the academic council.

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

- 56:29** To consider the recommendations of Board of Studies of Computer Applications to introduce categorization of courses under choice based credit system for M.C.A. Degree Programme as given in **Annexure – AC** (Page No. 1365 to 1367).

Resolved to approve the categorization of courses under choice based credit system for M.C.A. Degree Programme as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:30** To consider the recommendations of Board of Studies of Science and Humanities to introduce the syllabus for first semester Courses for B.E./B.Tech. Degree Programmes as given in **Annexure – AD** (Page No.1368 to 1425).

Resolved to approve the syllabus for first semester Courses 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 2018-19 onwards.

- 56:31** To consider the recommendations of the Standing Committee of this academic council to introduce the Rules and Regulations of B.E./B.Tech. Degree Programmes as given in **Annexure – AE** (Page No.1426 to 1447).

Resolved to approve the Rules and Regulations of B.E./B.Tech. Degree Programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

- 56:32** To consider the recommendations of the Standing Committee of this academic council to introduce the Rules and Regulations of ME./M.Tech. Degree Programmes as given in **Annexure – AF** (Page No.1448 to 1466).

Resolved to approve the Rules and Regulations of M.E./M.Tech. Degree Programmes as presented in the academic council.

This comes into effect for the students admitted from the academic year 2018-19 onwards.

56:33 To consider the recommendations of the Standing Committee of this academic council to provide credits and grade after the successful completion of NPTEL courses for B.E./B.Tech./B.Arch. Degree Programmes as given in **Annexure – AG** (Page No.1467).

Resolved to approve the recommendation of provide credits and grade after the successful completion of NPTEL courses for B.E./B.Tech./B.Arch. Degree Programmes 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 members had suggested the following points:

1. The course titles such as Mathematics I , Mathematics II are to be removed and appropriate titles are to be provided as per the syllabus.
2. The title of the course ‘18ME1B0 Mechanical Engineering Perspective in Rocketry Systems’ is to be changed as ‘18ME1B0 Rocketry Systems’.
3. The title of the course ‘14CEGG0 Basic Course in Entrepreneurship’ is to be changed.
4. Safety Engineering is to be included in M.E. (Industrial Engineering) curriculum
5. Review for Project Internship may be carried out using BITS model. Faculty members are to be deputed to visit industries during the internship period.
6. The titles ‘English for Research Paper Writing’ and ‘Pedagogy Studies’ are to be revised.

Prepared by:

Dr.S.J. Thiruvengadam

Approved by:

Dr.V.Abhaikumar
Principal