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

Minutes of the Fifty Eighth Meeting of Academic Council

The Fifty Eighth meeting of Academic Council was held on 15th June 2019, Saturday at 10.30 AM in the Seminar Hall at College Guest House 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. M.V. Ramana Murthy	Director & Head, R&D Operations, Ericsson R&D, Bengaluru
4.	Dr.M.Palaninatha Raja	Dean, Planning & Admin. and Head, Dept. of Mechatronics
5.	Dr.T. Velrajan	Head, Dept. of Civil Engineering
6.	Dr.K.Chockalingam	Head, Dept. of Mechanical Engineering
7.	Dr.S.Baskar	Head, Dept. of Electrical and Electronics Engineering
8.	Dr.S.J. Thiruvengadam	Head, Dept. of ECE, Member Secretary
9.	Dr.S.Mercy Shalinie	Head, Dept. of Computer Science & Engineering
10.	Dr.C.Deisy	Head, Dept. of Information Technology
11.	Dr.S.Jeyabharathi	Head, Dept. of Mathematics
12.	Dr.R.Vasuki	Head, Dept. of Physics
13.	Dr.S.Parthasarathy	Head, Dept. of Computer Applications
14.	Dr.Jinu Loueshidha Kitchley	Head, Dept. of Architecture
15.	Mr.S.Sivakumar	Controller of Examinations
16.	Dr.M.Saravanan	Assistant Professor, Dept. of Elect. & Electronics Engg.
17.	Dr.V.R.Venkatasubramani	Assistant Professor, Dept. of Electronics & Commn. Engg
18.	Dr.B.Subbulakshmi	Assistant Professor, Dept. of Computer Science and Engg.
19.	Dr.S.Pudumalar	Assistant Professor, Dept. of Information Technology
20.	Dr. S.Vijayalakshmi	Assistant Professor, Dept. of Computer Applications
21.	Dr. G.Kanagaraj	Associate Professor, Dept. of Mechatronics
22.	Dr.I.Chandramathy	Professor, Dept. of Architecture
23.	Mr. M.B.Aharishkumar	Student, B.E. (Mechanical Engineering)
24.	Mr. Sam Williams	Student, B.Arch.

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.	Mr.A.M.Rafeek	Special Officer, CDC, DTE, Chennai
3.	Dr.V.Chelladurai	Principal, Coimbatore Institute of Technology, Coimbatore
4.	Dr.R.Vasudevan	Dean, Co-curricular and Extracurricular Activities
5.	Dr.N.Kamaraj	Dean, Students
6.	Dr.M.Kottaisamy	Head, Dept of Chemistry
7.	Dr.T.Baskaran	Assistant Professor, Dept. of Civil Engineering
8.	Dr. PL.K.Palaniappan	Associate Professor, Dept. of Mechanical Engineering
9.	Dr. G.Jothilakshmi	Associate Professor, Dept of Mathematics
10.	Dr.S.Rajathi	Associate Professor, Department of Physics
11.	Dr.J.Shanmugapriya	Assistant Professor, Dept. of Chemistry
12.	Dr.C.Muruganantham	Professor, Dept. of Mechanical Engineering
13.	Ms.S.Keerthana	Student, B.E. (Electronics and Communication Engineering)
14.	Mr. V.Ganapathy Subramanian	Student, B.Tech. (Information Technology)

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.

58:01 To confirm the minutes of the 57th meeting of the Academic Council held on 05.01.2019**.**

Resolved to confirm the minutes of the 57th academic council held on 5th January 2019 as there were no comments on the minutes.

58:02 To review the action taken on the Minutes of the 57th meeting held on 05.01.2019.

The Chairman presented the actions taken on the suggestions made during the 57th Academic Council meeting. The Council resolved to ratify the actions taken as presented and accepted the time requested for implementation of few suggestions. .

58:03 To consider the recommendations of Board of Studies of Civil Engineering to introduce Scheduling of Courses and detailed syllabi for Third and Fourth Semester B.E. (Civil Engineering) Degree Programme as given in **Annexure–A** *(Page No. 1 to 71).*

Resolved to approve the introduction of Scheduling of Courses and detailed syllabi for Third and Fourth 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 2018-19 onwards.

58:04 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce Scheduling of Courses, Categorization of Courses and detailed syllabi for Third and Fourth Semester B.E. (Mechanical Engineering) Degree Programme as given in **Annexure–B** *(Page No. 72 to 148).*

Resolved to approve the introduction of Scheduling of Courses, Categorization of Courses and detailed syllabi for Third and Fourth 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 2018-19 onwards.

58:05 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce the industry supported course *'14ME2B0 Product Quality Planning'* for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure–C** *(Page No 149 to 152).*

Resolved to approve the introduction of the industry supported course '14ME2B0 Product Quality Planning' 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.

58:06 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce Audit Course *'14MEAB0 Evolution of Modern Manufacturing'* for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure–D** *(Page No 153 to 156).*

Resolved to approve the Audit Course '14MEAB0 Evolution of Modern Manufacturing' 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.

58:07 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce Audit Courses *'18MEAA0 Observation Skills'* and *'18MEAB0 Evolution of Modern Manufacturing'* for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure–E** *(Page No 157 to 164).*

Resolved to approve the Audit Courses '18MEAA0 Observation Skills' and '18MEAB0 Evolution of Modern Manufacturing' 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.

58:08 To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce Scheduling of Courses, Categorization of Courses and detailed syllabi for Third and Fourth Semester B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure–F** *(Page No. 165 to 262).*

Resolved to approve the introduction of Scheduling of Courses, Categorization of Courses and detailed syllabi for Third and Fourth 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 2018-19 onwards.

58:09 To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce Scheduling of Courses and detailed syllabi for Core Courses from Third Semester B.E. (Electronics and Communication Engineering) Degree Programme as given in **Annexure–G** *(Page No 263 to 375).*

Resolved to approve the introduction of Scheduling of Courses and detailed syllabi for Core Courses from Third 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 2018-19 onwards.

58:10 To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce Scheduling of Courses and detailed syllabi for Third and Fourth Semester B.E. (Computer Science and Engineering) Degree Programme as given in **Annexure–H** *(Page No 376 to 449)*.

Resolved to approve the introduction of Scheduling of Courses and detailed syllabi for Third and Fourth Semester 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.

58:11 To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce General Elective Course '*14CSGG0 Programming using Python*' for B.E. and B.Tech. Degree Programmes as given in **Annexure – J** (Page No. 450 to 455).

Resolved to approve the introduction of General Elective Course '14CSGG0 Programming using Python' 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 2016-17 onwards.

58:12 To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce Programme Elective course '*18CSPZ0 Foundations of Secure Multiparty Computation*' for M.E. (Computer Science and Engineering) Degree Programme as given in **Annexure – K** (Page No. 456 to 460).

Resolved to approve the introduction of Programme Elective course '18CSPZ0 Foundations of Secure Multiparty Computation' 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.

58:13 To consider the recommendations of Board of Studies of Computer Science and Engineering to revise the Course Outcomes and CO-PO Mapping for the Core and Elective courses of M.E. (Computer Science and Engineering) Degree Programme as given in **Annexure–L** *(Page No.461 to 466)*.

Resolved to approve the revision of the Course Outcomes and CO-PO Mapping for the Core and Elective courses of 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.

58:14 To consider the recommendations of Board of Studies of Information Technology to introduce Scheduling of Courses and detailed syllabi for Third and Fourth Semester B.Tech.(Information Technology) Degree Programme as given in **Annexure–M** *(Page No 467 to 541).*

Resolved to approve the introduction of the Scheduling of Courses and detailed syllabi for Third and Fourth Semester 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.

58:15 To consider the recommendations of Board of Studies of Information Technology to introduce industry supported courses *'14IT1V0 Building Scalable Applications with Microservices'* and '*14IT2E0 Secure Network Edge and Mobility Solutions*' for B.Tech. (Information Technology) Degree Programme as given in **Annexure–N** *(Page No 542 to 549).*

Resolved to approve the introduction of the Industry Supported Courses '14IT1V0 Building Scalable Applications with Microservices' and '14IT2E0 Secure Network Edge and Mobility Solutions' 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 2016-17 onwards.

58:16 To consider the recommendations of Board of Studies of Information Technology to introduce Programme Elective Courses *'14ITRZ0 Fog Computing'* and '*14ITSA0 Cognitive Science'* for B.Tech. (Information Technology) Degree Programme as given in **Annexure -P** *(Page No 550 to 559).*

Resolved to approve the introduction of the Programme Elective Courses '14ITRZ0 Fog Computing' and '14ITSA0 Cognitive Science' 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 2016-17 onwards.

58:17 To consider the recommendations of Board of Studies of Information Technology to introduce General Elective Course *'14ITGH0 Python Programming'* for B.E. and B.Tech. Degree Programmes as given in **Annexure - Q** *(Page No 560 to 565).*

Resolved to approve the introduction of General Elective Course '14ITGH0 Python Programming' 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 2016-17 onwards.

58:18 To consider the recommendations of Board of Studies of Mechatronics to introduce Scheduling of Courses and Syllabi for Third and Fourth Semester B.E. (Mechatronics) Degree Programme as given in **Annexure–R** *(Page No 566 to 641).*

Resolved to approve the introduction of the Scheduling of Courses and Syllabi for Third and Fourth Semester 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.

58:19 To consider the recommendations of Board of Studies of Mechatronics to revise the syllabus for the course '14MT691 Robotics Laboratory' for B.E. (Mechatronics) Degree Programme as given in **Annexure–S** *(Page No 642 to 643).*

Resolved to approve the revision of the syllabus for the course '14MT691 Robotics Laboratory' for B.E. (Mechatronics) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2017-18 onwards.

58:20 To consider the recommendations of Board of Studies of Architecture to introduce the curriculum and detailed syllabus for M.Arch. Degree Programme as given in **Annexure –T** *(Page No. 644 to 711).*

Resolved to approve the introduction of curriculum and detailed syllabus 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.

58:21 To consider the recommendations of Board of Studies of Architecture to introduce the course outcomes and CO-PO Mapping for the Core Courses in B.Arch. Degree Programme as given in **Annexure –U** *(Page No. 712 to 720).*

Resolved to approve the introduction of the course outcomes and CO-PO Mapping for the Core Courses in 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.

58:22 To consider the recommendations of Board of Studies of Computer Applications to introduce the Elective Courses *'17CAPU0 Machine Learning', 17CAPV0 Artificial Intelligence', '17CAPW0 Internet of Things' and '17CAPY0 Statistics for Exploratory Data Analysis'* for M.C.A. Degree Programme as given in **Annexure –V***(Page No. 721 to 739).*

Resolved to approve the introduction of the Elective Courses '17CAPU0 Machine Learning', 17CAPV0 Artificial Intelligence', '17CAPW0 Internet of Things' and '17CAPY0 Statistics for Exploratory Data Analysis' for M.C.A. Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2017-18 onwards.

58:23 To consider the recommendations of Board of Studies of Computer Applications to introduce the Industry Supported Course *'17CAP10 Big Data Analytics'* for M.C.A. Degree Programme as given in **Annexure – W** *(Page No. 740 to 741).*

Resolved to approve the introduction of the Industry Supported Course '17CAP10 Big Data Analytics' for M.C.A. Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2017-18 onwards.

58:24 To consider the recommendations of the Standing Committee of this academic council to introduce the change in conducting continuous assessment tests for theory and theory-cum-practical courses as given in **Annexure – Y** *(Page No.742 to 743).*

Resolved to approve the introduction of the change in conducting continuous assessment tests for theory and theory-cum-practical courses as presented in the Academic Council.

This comes into effect from the academic year 2019-20 onwards.

58:25 To consider the recommendations of the Standing Committee of this academic council to introduce the change in the policy of retaining Continuous Assessment Marks for UG and PG Programmes as given in **Annexure – Z** *(Page No.744).*

Resolved to approve the introduction of the change in the policy of retaining Continuous Assessment Marks for UG and PG Programmes as presented in the Academic Council.

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

58:26 To consider the recommendations of the Standing Committee of this academic council to change the continuous assessment pattern for the *General Elective Course '14CEGG0 Basic Course in Entrepreneurship'* as given in **Annexure – AA** *(Page No.745).*

Resolved to approve the introduction of the change the continuous assessment pattern for the General Elective Course '14CEGG0 Basic Course in Entrepreneurship' as presented in the Academic Council.

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

58:27 To consider the recommendations of the Standing Committee of this academic council to introduce the credits for Summer Internship in B.E./B.Tech. Degree Programmes as given in **Annexure – AB** *(Page No.746).*

Resolved to approve the introduction of the credits for Summer Internship in 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.

During the academic council meeting, the members had suggested the following points:

1. Department Reviews are to be conducted with the academic experts from higher learning institutions
2. Joint Research Proposals are to be submitted with higher learning institutions
3. Research papers are to published in Journals with high impact factor
4. Commercialization of the patents is important. In this regard, National Research Development Corporation (NRDC) may be approached for technology transfer.
5. Short Term Courses may be offered to Industries.
6. Industries are to be approached for M.E Scholarship or fellowship for faculty. Further, initiatives are to be taken for industry sponsored postgraduate students
7. The GATE questions are to be given in tests, assignments and examinations, with appropriate training in the class
8. Faculty members are to be encouraged to apply for DST INSPIRE programme

Prepared by:

Dr.S.J. Thiruvengadam

Approved by:

Dr.V.Abhaikumar
Principal

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI – 625 015
(A Govt. Aided Autonomous Institution affiliated to Anna University)

58th Academic Council Meeting – Attendance sheet
15th June, 2019 (Saturday)

List of External Member

Sl.No	Name	Phone No. / e-mail	Signature
1.	Dr. D.K. Subramanian		ABSENT
2	Dr. N. Vedachalam		NVedllm
3	Mr.Ramana Murthy		
4.	Dr. V. Selladurai,		ABSENT
5.	Dr. Rajeev Sukumaran		Raj
6.	Mr. A.M. Rafeek		ABSENT

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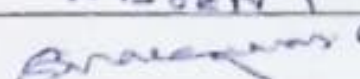
58th Academic Council Meeting – Attendance sheet
15th June, 2019 (Saturday)

List of Internal Members

Sl.No	Name	Signature
7	Dr. V. Abhai Kumar	Vijiahan kumt
8	Dr. R. Vasudevan	ABSENT
9	Dr. K. Chockalingam	K. Cu
10	Dr. N. Kamaraj	ABSENT
11	Dr. M.Palaninatha Raja	
12	Dr. T. Vel Rajan	
13	Dr .S. Baskar	P.Bana
14	Dr. S.J. Thiruvengadam	S.J.Thing
15	Dr. S. Mercy Shalinie	SMShile
16	Dr. C. Deisy	C.D
17	Dr. Jinu loushidha Kitchely	
18	Dr. S. Parthasarathy	ABSENT
19	Dr.S. Jeya Bharathi	Jeyabharathi
20	Dr. R.Vasuki	R.V
21	Dr.M.Kottaisamy	ABSENT
22	Dr. T. Baskaran	ABSENT
23	Dr. PL.K. Palaniappan	ABSENT
24	Dr. M. Saravanan	M. Sar
25	Dr. C. Muruganantham	ABSENT
26	Dr.V.R. Venkatasubramani	VRVengata
27	Mrs. B.Subbulakshmi	B Subbal

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List of Internal Members

Sl.No	Name	Signature
28	Mrs. S.Pudhuumalar	
29	Dr. G. Kanagaraj	
30	Dr. I. Chandramathy	I. chandramathy
31	Dr. S.Vijayalakshmi	S. Vijayul
32	Dr. S.Rajathi	ABSENT
33	Dr. G.Jothilakshmi	ABSENT
34	Dr. J. ShanmugaPriya	ABSENT
35	Mr.S.Sivakumar	

Students Nomine

Sl.No	Name	Signature
36	M.B. Aharish Kumar Reg. No. 16G003, B.E. Mechanical Engineering	
37	V. Ganapathi Subramanian Reg. No. 16IT026 B.Tech (IT)	ABSENT
38	S.Keerthana Reg.No. 16D054, B.E. (ECE)	ABSENT
39	Sam Williams, Reg. 15AR059 B.Arch	