

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

Minutes of the Meeting of the Fifty Fifth Academic Council

The Fifty Fifth meeting of Academic Council was held on 16th December 2017, Saturday at 11.00 A.M. in the Conference Hall at Guest House under the Chairmanship of Dr.V.Abhaikumar, Principal. The following members were present.

1.	Dr.D.K.Subramanian	Former Professor, Indian Institute of Science, Bengaluru
2.	Dr.N.Vedachalam	ISRO Distinguished Professor, ISRO, Trivandrum
3.	Dr.V.Chelladurai	Principal, Coimbatore Institute of Technology, Coimbatore
4.	Dr.Rajeev Sukumaran	Senior Advisor, Teaching Learning Centre, IIT Madras
5.	Mr.A.M.Rafeek	Special Officer, CDC, DTE, Chennai
6.	Mr. M.V. Ramana Murthy	Director & Head, R&D Operations, Ericsson R&D, Bengaluru
7.	Dr.R.Vasudevan	Dean, Co-curricular and Extracurricular Activities
8.	Dr.V.Mohan	Registrar
9.	Dr.K.Arunachalam	Dean, Academic Processes
10.	Dr.N.Jawahar	Dean, Research and Development
11.	Dr.S.Muralidharan	Head, Dept. of Mechanical Engineering
12.	Dr.S.Baskar	Head, Dept. of Electrical and Electronics Engineering
13.	Dr.R.Sukanesh	Head, Dept. of Electronics and Communication Engg.
14.	Dr.S.Mercy Shalinie	Head, Dept. of Computer Science & Engineering
15.	Dr.S.Muthuramalingam	Head, Dept. of Information Technology
16.	Mr.P.Subramanian	Head, Dept. of Mathematics
17.	Dr.M.Kottaisamy	Head, Dept of Chemistry
18.	Dr.R.Vasuki	Head, Dept. of Physics
19.	Dr.S.Parthasarathy	Head, Dept. of Computer Applications
20.	Dr.Jinu Loueshidha Kitchley	Head, Dept. of Architecture
21.	Dr.T. Velrajan	Professor, Dept. of Civil Engineering
22.	Dr. PL.K.Palaniappan	Associate Professor, Dept. of Mechanical Engineering
23.	Dr.M.Saravanan	Assistant Professor, Dept. of Elect. & Electronics Engg.
24.	Dr.V.R.Venkatasubramani	Assistant Professor, Dept. of Electronics & Commn. Engg
25.	Mrs.B.Subbulakshmi	Assistant Professor, Dept. of Computer Science and Engg.
26.	Mrs.S.Pudhumalar	Assistant Professor, Dept. of Information Technology
27.	Dr. S.Vijayalakshmi	Assistant Professor, Dept. of Computer Applications
28.	Mr.T.Vivek	Assistant Professor, Dept. of Mechatronics
29.	Dr.G.Balaji	Professor, Dept. of Architecture
30.	Dr. G.Jothilakshmi	Associate Professor, Dept of Mathematics
31.	Dr.S.Rajathi	Associate Professor, Department of Physics
32.	Dr.J.Shanmugapriya	Assistant Professor, Dept. of Chemistry
33.	Mr.S.Sivakumar	Controller of Examinations
34.	Mr.V.Venkatachalam	Student, Final Year B.E. (Mechanical Engineering)
35.	Ms. I.Catherine Sanchana	Student, Final Year B.E (Civil Engineering)
36.	Dr. S.J. Thiruvengadam	Associate Dean (TLP), Member Secretary

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

1.	Dr.S.Raju	Dean, Industry Institute Interaction
2.	Dr.N.Kamaraj	Dean, Students
3.	Dr.M.Palaninatha Raja	Dean, Planning & Admin. and Head, Dept. of Mechatronics
4.	Dr.B.Sivagurunathan	Head, Dept. of Civil Engineering
5.	Ms.V.Suthalakshmi	Student, Final Year M.C.A.
6.	Ms.N.Shiny Ponmani	Final Year M.E. (Communication Systems)

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.

55:01 To confirm the minutes of the 54th meeting of the Academic Council held on 17th June 2017.

Resolved to confirm the minutes of the 54th academic council held on 17th June 2017 as there were no comments on the minutes.

55:02 To review the action taken on the Minutes of the 54th meeting held on 17th June 2017.

The Chairman presented the actions taken on the suggestions made during the 54th Academic Council meeting. The Council resolved to ratify the actions taken as presented and accepted the time requested for implementation of few suggestions. .

55:03 To consider the recommendations of Board of Studies of Civil Engineering to introduce Programme Specific Outcomes and revise Program Outcomes, CO-PO-PSO Mapping, Expected Proficiency and Attainment Levels for Course Outcomes (CO) for B.E. (Civil Engineering) Degree Programme as given in **Annexure-A** (Page No 1 to 87).

Resolved to approve the introduction of Programme Specific Outcomes and revision of the Program Outcomes, CO-PO-PSO Mapping, Expected Proficiency and Attainment Levels for Course Outcomes (CO) 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 2014-15 onwards.

55:04 To consider the recommendations of Board of Studies of Mechanical Engineering to introduce Industry Supported Courses '14ME1R0 Aerospace Materials and Manufacturing Process' and '14ME2A0 Digital Twin Technology' for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure-B** (Page No 88 to 93).

Resolved to approve the introduction of Industry Supported Courses '14ME1R0 Aerospace Materials and Manufacturing Process' and '14ME2A0 Digital Twin Technology' 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.

55:05 To consider the recommendations of Board of Studies of Mechanical Engineering to revise the Syllabi for the Course '14ME691 Mechanical Measurements and Metrology Laboratory' for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure-C** (Page No 94 to 95).

Resolved to approve the revision of the Syllabi for the Course '14ME691 Mechanical Measurements and Metrology Laboratory' 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.

- 55:06** To consider the recommendations of Board of Studies of Mechanical Engineering to revise the Categorization of Courses for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure-D** (Page No 96 to 109).

Resolved to approve the revision of the Categorization of 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 2015-16 onwards.

- 55:07** To consider the recommendations of Board of Studies of Mechanical Engineering to introduce PSOs and revise POs, CO-PO-PSO Mapping, Expected Proficiency and Attainment levels for Course Outcomes (CO) & Assessment Pattern for B.E. (Mechanical Engineering) Degree Programme as given in **Annexure-E** (Page No 110 to 188).

Resolved to approve the introduction of PSOs and revision of the POs, CO-PO-PSO Mapping, Expected Proficiency and Attainment levels for Course Outcomes (CO) & Assessment Pattern 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.

- 55:08** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce the Elective Courses '14EPPW0 HVDC Transmission', '14EERA0 Power Electronics for Renewable Energy Systems', '14EERB0 Simulation of Power Electronic Systems', '14EPU0 Data Structures' and '14EERG0 Electrical Machine Design' for B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure-F** (Page No 189 to 214).

Resolved to approve the introduction of the Elective Courses '14EPPW0 HVDC Transmission', '14EERA0 Power Electronics for Renewable Energy Systems', '14EERB0 Simulation of Power Electronic Systems', '14EPU0 Data Structures' and '14EERG0 Electrical Machine Design' 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.

- 55:09** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce the Industry Supported Courses '14EE1C0 Internet of Things (IoT)' and '14EE1V0 Industrial Drives and Automation' for B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure-G** (Page No 215 to 220).

Resolved to approve the introduction of the Industry Supported Courses '14EE1C0 Internet of Things (IoT)' and '14EE1V0 Industrial Drives and Automation' 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.

- 55:10** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise Categorization of Courses for B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure-H** (Page No 221 to 227).

Resolved to approve the revision of 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 2015-16 onwards.

- 55:11** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise Categorization of Courses, incorporating the changes in the core courses, for B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure-J** (Page No 228 to 234).

Resolved to approve the revision of the Categorization of Courses, incorporating the changes in the core 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 2016-17 onwards.

- 55:12** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to introduce Programme Specific Outcomes and revise Program Outcomes, Expected Proficiency and Attainment Levels for the Courses, Programme Articulation Matrix and Course Articulation Matrix for the courses of B.E.(Electrical and Electronics Engineering) Degree Programme as given in **Annexure-K** (Page No 235 to 275).

Resolved to approve the introduction of Programme Specific Outcomes and revision of Program Outcomes, Expected Proficiency and Attainment Levels for the Courses, Programme Articulation Matrix and Course Articulation Matrix for the courses 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 2014-15 onwards.

- 55:13** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the Assessment Pattern for the courses of B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure-L** (Page No 276 to 306).

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

This comes into effect from the academic year 2017-18.

- 55:14** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the Assessment Pattern for the courses of M.Tech. (Control and Instrumentation) Degree Programme as given in **Annexure-M** (Page No 307 to 315).

Resolved to approve the revision of assessment pattern for the courses of M.Tech. (Control and Instrumentation) Degree Programme as presented in the academic council.

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

- 55:15** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the Assessment Pattern for the courses of M.E. (Power System Engineering) Degree Programme as given in **Annexure-N** (Page No 316 to 322).

Resolved to approve the revision of assessment pattern for the courses of 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 2017-18 onwards.

- 55:16** To consider the recommendations of Board of Studies of Electrical and Electronics Engineering to revise the syllabus of the course "14EE4C2 Capstone I" for B.E. (Electrical and Electronics Engineering) Degree Programme as given in **Annexure-P** (Page No 323 to 324).

Resolved to approve the revision of the syllabus of the course "14EE4C2 Capstone I" 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 2016-17 onwards.

- 55:17** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to revise the syllabi for the courses '15EC431 RF Transmission Lines and Passive Circuits', '15EC531 RF Active Circuits' and '14EC4C2 Capstone I' for B.E.(Electronics and Communication Engineering) Degree Programme as given in **Annexure - Q** (Page No. 325 to 336).

Resolved to approve the revision of the syllabi for the courses '15EC431 RF Transmission Lines and Passive Circuits', '15EC531 RF Active Circuits' and '14EC4C2 Capstone I' 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 2016-17 onwards.

- 55:18** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to revise the 'Categorization of Courses' for B.E. (Electronics and Communication Engineering) Degree Programme as given in **Annexure-R** (Page No 337 to 342).

Resolved to approve the revision of 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 2015-16 onwards.

- 55:19** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to introduce Programme Specific Outcomes and revise Program Outcomes, Course Articulation Matrix and Program Articulation Matrix for B.E.(Electronics and Communication Engineering) Degree Programme as given in **Annexure-S** (Page No 343 to 422).

Resolved to approve the introduction of introduce Programme Specific Outcomes and revise Program Outcomes, Course Articulation Matrix and Program Articulation Matrix 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 2014-15 onwards.

- 55:20** To consider the recommendations of Board of Studies of Electronics and Communication Engineering to revise the assessment pattern for the courses in B.E.(Electronics and Communication Engineering), M.E. (Communication Systems) and M.E. (Wireless Technologies) Degree Programme as given in **Annexure-T** (Page No 423 to 424).

Resolved to approve the revision of the assessment pattern for the courses in B.E.(Electronics and Communication Engineering), M.E. (Communication Systems) and M.E. (Wireless Technologies) Degree Programme as presented in the academic council.

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

- 55:21** To consider the recommendations of Board of Studies of Computer Science and Engineering to introduce the Industry Supported Courses '14CS1J0 Current Practices in Software Engineering', and '14CS2B0 Data Analytics using R and Python' for B.E. (Computer Science and Engineering) Degree Programme as given in **Annexure –U** (Page No. 425 to 433).

Resolved to approve the introduction of the Industry Supported Courses '14CS1J0 Current Practices in Software Engineering', and '14CS2B0 Data Analytics using R and Python' 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 2014-15 onwards.

- 55:22** To consider the recommendations of Board of Studies of Computer Science and Engineering to revise the 'Categorization of Courses' for B.E. (Computer Science and Engineering) Degree Programme as given in **Annexure –V** (Page No. 434 to 442).

Resolved to approve the revision of the 'Categorization of Courses' 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 2014-15 onwards.

- 55:23** To consider the recommendations of Board of Studies of Computer Science and Engineering to revise the proficiency and attainment levels of few courses in B.E. (Computer Science and Engineering) and M.E. (Computer Science and Engineering) Degree Programmes as given in **Annexure –W** (Page No. 443 to 447).

Resolved to approve the revision of the proficiency and attainment levels of few courses in B.E. (Computer Science and Engineering) and M.E. (Computer Science and Engineering) Degree Programmes as presented in the academic council.

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

- 55:24** To consider the recommendations of Board of Studies of Computer Science and Engineering to revise the Assessment Pattern for the courses of B.E. (Computer Science and Engineering) and M.E. (Computer Science and Engineering) Degree Programmes as given in **Annexure –X** (Page No. 448 to 459).

Resolved to approve the revision of the Assessment Pattern for the courses of B.E. (Computer Science and Engineering) and M.E. (Computer Science and Engineering) Degree Programmes as presented in the academic council.

This comes into effect from the academic year 2017-18.

- 55:25** To consider the recommendations of Board of Studies of Information Technology to introduce the Elective Courses '14ITRR0 Virtual Reality and Its Advancements', '14ITRS0 Securing Internet of Things', '14ITRT0 Computation and Economics for Social Networks', '14ITRU0 Time Series Pattern Analysis', '14ITRV0 Multimedia Mining', '14ITRW0 Programming Wireless Sensor Networks' and '14ITRY0 Network and System Security Analysis' for B.Tech. (Information Technology) Degree Programme as given in **Annexure-Y** (Page No 460 to 491).

Resolved to approve the introduction of the Elective Courses '14ITRR0 Virtual Reality and Its Advancements', '14ITRS0 Securing Internet of Things', '14ITRT0 Computation and Economics for Social Networks', '14ITRU0 Time Series Pattern Analysis', '14ITRV0 Multimedia Mining', '14ITRW0 Programming Wireless Sensor Networks' and '14ITRY0 Network and System Security Analysis' 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.

- 55:26** To consider the recommendations of Board of Studies of Information Technology to introduce the Industry Supported Courses '14IT1M0 Augmented Reality', '14IT1N0 Time Series Forecasting', '14IT1P0 Applied Predictive Modeling using Python', '14IT1Q0 Watson Analytics', '14IT1R0 Mobile Application Test Automation', '14IT1S0 Big Data Analytics with Spark', '14IT1T0 Enterprise Application Development using Spring', '14IT2C0 Offensive Security' and '14IT2D0 Wireless Security Assessment' for B.Tech. (Information Technology) Degree Programme as given in **Annexure-Z** (Page No 492 to 525).

Resolved to approve the introduction of the Industry Supported Courses '14IT1M0 Augmented Reality', '14IT1N0 Time Series Forecasting', '14IT1P0 Applied Predictive Modeling using Python', '14IT1Q0 Watson Analytics', '14IT1R0 Mobile Application Test Automation', '14IT1S0 Big Data Analytics with Spark', '14IT1T0 Enterprise Application Development using Spring', '14IT2C0 Offensive Security' and '14IT2D0 Wireless Security Assessment' 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.

- 55:27** To consider the recommendations of Board of Studies of Information Technology to introduce the Elective Course '14ISPL0 Security for Internet of Things' for M.E. (Computer Science and Information Security) Degree Programme as given in **Annexure-AA** (Page No 526 to 529).

Resolved to approve the introduction of the Elective Course '14ISPL0 Security for Internet of Things' 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 2016-17 onwards.

- 55:28** To consider the recommendations of Board of Studies of Information Technology to revise the syllabi for the courses '14IT431 Computer Networks', '14IT4C2 Capstone I', '14ITRC1 Software Defined Networks', '14ITRN1 Design and Analysis of Algorithms' and '14ITPR1 Computer Vision' for B.Tech. (Information Technology) Degree Programme as given in **Annexure-AB** (Page No 530 to 547).

Resolved to approve the revision of the syllabi for the courses '14IT431 Computer Networks', '14IT4C2 Capstone I', '14ITRC1 Software Defined Networks', '14ITRN1 Design and Analysis of Algorithms' and '14ITPR1 Computer Vision' 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.

- 55:29** To consider the recommendations of Board of Studies of Information Technology to introduce Programme Specific Outcomes and revise Program Outcomes, Program Articulation Matrix, Course Articulation Matrix and refine the course outcomes of few courses for B.Tech. (Information Technology) Degree Programme as given in **Annexure-AC** (Page No 548 to 572).

Resolved to approve the introduction of Programme Specific Outcomes and revise Program Outcomes, Program Articulation Matrix, Course Articulation Matrix and refine the course outcomes of few 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.

- 55:30** To consider the recommendations of Board of Studies of Information Technology to revise the 'Categorization of Courses' for B.Tech. (Information Technology) Degree Programme as given in **Annexure-AD** (Page No 573 to 581).

Resolved to approve the revision of the 'Categorization of 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 2015-16 onwards.

- 55:31** To consider the recommendations of Board of Studies of Information Technology to revise the Assessment Pattern for the courses of B.Tech. (Information Technology) and M.E. (Computer Science and Information Security) Degree Programmes as given in **Annexure-AE** (Page No 582 to 600).

Resolved to approve the revision of the Assessment Pattern for the courses of B.Tech. (Information Technology) and M.E. (Computer Science and Information Security) Degree Programmes as presented in the academic council.

This comes into effect from the academic year 2017-18.

- 55:32** To consider the recommendations of Board of Studies of Information Technology to introduce CO-PO Mapping for first semester courses for M.E. (Computer Science and Information Security) Degree Programme as given in **Annexure-AF** (Page No 601 to 605).

Resolved to approve the introduction of CO-PO Mapping for first semester courses for M.E. (Computer Science and Information Security) Degree Programme as presented in the academic council.

This comes into effect from the academic year 2017-18.

- 55:33** To consider the recommendations of Board of Studies of Mechatronics to introduce the Industry Supported Course '14MTIE0 Reliability for Mechatronics Systems' for B.E. (Mechatronics) Degree Programme as given in **Annexure -AG** (Page No.606 to 608).

Resolved to approve the introduction of Industry Supported Course '14MTIE0 Reliability for Mechatronics Systems' 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.

- 55:34** To consider the recommendations of Board of Studies of Mechatronics to introduce the Elective Courses '17MCPCO Professional Practice' and '17MCPE0 CNC Technologies' for M.E. (Mechatronics) Degree Programme as given in **Annexure -AH** (Page No. 609 to 615).

Resolved to approve the introduction of the Elective Courses '17MCPCO Professional Practice' and '17MCPE0 CNC Technologies' for M.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.

- 55:35** To consider the recommendations of Board of Studies of Architecture to introduce the Curriculum and detailed syllabi for M.Arch.(General Architecture) Degree Programme as given in **Annexure -AJ** (Page No.616 to 642).

Resolved to approve the introduction of the Elective Courses '17MCPCO Professional Practice' and '17MCPE0 CNC Technologies' 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.

- 55:36** To consider the recommendations of Board of Studies of Architecture to introduce Onsite Courses for B.Arch. Degree Programme as given in **Annexure -AK** (Page No. 643 to 651).

Resolved to approve the introduction of Onsite 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.

- 55:37** To consider the recommendations of Board of Studies of Architecture to introduce Elective Course '15ARPL0 Disaster Mitigation Management' for B.Arch. Degree Programme as given in **Annexure –AL** (Page No. 652 to 655).

Resolved to approve the introduction of Elective Course '15ARPL0 Disaster Mitigation Management' 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.

- 55:38** To consider the recommendations of Board of Studies of Architecture to revise the syllabi for the design based courses for B.Arch. Degree Programme as given in **Annexure –AM** (Page No. 656 to 677).

Resolved to approve the revision of the syllabi for the design based courses for B.Arch. Degree Programme as presented in the academic council.

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

- 55:39** To consider the recommendations of Board of Studies of Architecture to introduce the Industry Supported Courses '15AR1A0 Architectural Photography', '15AR1B0 Mutual Workshop' and '15AR2A0 Aluminum Building Material Workshop' for B.Arch. Degree Programme as given in **Annexure –AN** (Page No. 678 to 685).

Resolved to approve the introduction of Industry Supported Courses '15AR1A0 Architectural Photography', '15AR1B0 Mutual Workshop' and '15AR2A0 Aluminum Building Material Workshop' 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.

- 55:40** To consider the recommendations of Board of Studies of Computer Applications to revise the assessment pattern for the courses of M.C.A. Degree Programme as given in **Annexure – AP** (Page No. 686 to 706).

Resolved to approve the revision of the assessment pattern for the courses of M.C.A. Degree Programme as presented in the academic council.

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

- 55:41** To consider the recommendations of Board of Studies of Science and Humanities to introduce the Foundation Elective Courses for B.E./B.Tech. Degree Programmes as given in **Annexure – AQ** (Page No.707 to 726).

Resolved to approve the introduction of the Foundation Elective 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 2015-16 onwards.

- 55:42** To consider the recommendations of Board of Studies of Science and Humanities to revise the syllabus for the course '14CHFA1 Biology for Engineers' for B.E./B.Tech. Degree Programmes as given in **Annexure – AR** (Page No.727 to 730).

Resolved to approve the revision of the syllabus for the course '14CHFA1 Biology for Engineers' 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 2015-16 onwards.

- 55:43** To consider the recommendations of Board of Studies of Science and Humanities to introduce the CO-PO mapping for first semester courses of B.E./B.Tech. Degree Programmes as given in **Annexure – AS** (Page No.731 to 782).

Resolved to approve the introduction of the CO-PO mapping for first semester courses of B.E./B.Tech. Degree Programmes as presented in the academic council.

This comes into effect from the academic year 2017-18.

- 55:44** To consider the decision of the standing committee of this academic council to revise the assessment pattern in continuous assessment marks for M.E./M.Tech./MCA Degree programmes as given in **Annexure – AT** (Page No. 783 to 784)

Resolved to approve the introduction of the assessment pattern in continuous assessment marks for M.E./M.Tech./MCA Degree programmes as presented in the academic council.

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

- 55:45** To consider the decision of the standing committee of this academic council to amend the B.E./B.Tech. Regulation (Choice Based Credit System) in Credit Distribution and conducting practical courses for arrear students as given in **Annexure – AU** (Page No. 785 to 786)

Resolved to approve the amendment in the B.E./B.Tech. Regulation (Choice Based Credit System) in Credit Distribution and conducting practical courses for arrear students 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:

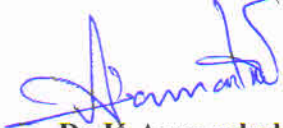
1. The courses on 'Social Engineering' and 'Engineering Exploration' may be introduced for B.E./B.Tech. degree programmes.
2. Mathematics courses are to be introduced such that it meets the requirements of 'Design' courses
3. IPR Cell is to be established and support from National Research Development Corporation (NRDC) to be attempted.
4. Review for Project Internship may be carried out using BITS model.
5. The course outcomes, program specific outcomes and programme educational objectives are to be re-visited before the introduction of new syllabus from the academic year 2018-19.
6. The curriculum for the industry supported courses is to be scrutinized carefully to get improved focus.
7. The emphasis on Finite Element Method and Computational Fluid Dynamics is to enhanced further in Mechanical Engineering Degree programme.
8. Alumni interaction and mentoring may be carried out through portal
9. The syllabi for the course '14CHFA1 Biology for Engineers' is to be revised incorporating the content of the course in MIT, USA.
10. Emphasis on interdisciplinary research is to be enhanced and the research areas such as Artificial Intelligence, Machine Learning, Analytics and Robotics are to be explored further.

Prepared by:



Dr.S.J. Thiruvengadam

Associate Dean (Teaching and Learning)



Dr.K.Arunachalam

Dean (Academic Process)

Approved by:




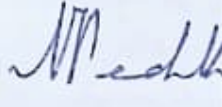
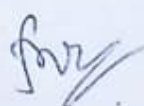

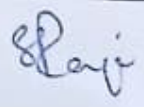
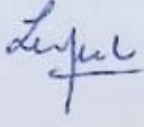
Dr.V.Abhaikumar

Principal

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

55th Academic Council Meeting – Attendance sheet
16th December, 2017 (Saturday)

List of External Member

Sl.No	Name	Phone No. / e-mail	Signature
1.	Dr.D.K.Subramanian	9448460943 dksubar@gmail.com	
2.	Dr. N.Vedachalam	9447143889 n.vedachalam@vssc.gov.in	
3.	Dr.M.V.Ramana Murthy	99019 71323 ramana-murthy.m.v@ericsson.com	
4.	Dr.V.Selladurai	9363227757 principale@vsc.edu.in selladurai.v@gmail.com	
5.	Dr.Rajeev Sukumaran	9790925489 rajeevcb@gmail.com	
6.	Mr. A.M. Rafeek	9444246596 am-rafeek@yahoo.com	

55th Academic Council Meeting – Attendance sheet
16th December, 2017 (Saturday)

List of Internal Members

Sl.No	Name	Signature
7	Dr. V. Abhai Kumar	V. Abhai Kumar
8	Dr. R. Vasudevan	R. Vasudevan
9	Dr.V. Mohan	Mohan. V
10	Dr. K.Arunachalam	Arunachalam
11	Dr. N. Jawahar	N. Jawahar 16/12/17
12	Dr.S. Raju (Dr. V. SARAVANAN)	S. Raju
13	Dr. N. Kamaraj	ABSENT
14	Dr. M. Palaninatha Raja	ABSENT
15	Dr.B.Sivagurunathan	ABSENT
16	Dr.S.Baskar	S. Baskar
17	Dr.S.Muralitharan	S. Muralitharan
18	Dr. R.Sukanesh (Dr. S. RAJARAM)	S. R. Sukanesh
19	Dr. S. Mercy Shalinie	S. Mercy Shalinie
20	Dr. S. Muthuramalingam	S. Muthuramalingam
21	Dr. Jinu Ioushidha Kitchely	Jinu Ioushidha Kitchely
22	Dr. S. Parthasarathy	S. Parthasarathy
23	Mr.P.Subramanian	P. Subramanian 16/12/17
24	Dr. R. Vasuki	R. Vasuki 16/12/17
25	Dr.M.Kottaisamy	M. Kottaisamy 16/12/17

2/3

55th Academic Council Meeting – Attendance sheet
16th December, 2017 (Saturday)

List of Internal Members

Sl.No	Name	Signature
26	Dr T. Vel Rajan	T. Vel Rajan
27	Dr. PLK. Palaniappan	PLK. Palaniappan
28	Dr. M. Saravanan	M. Saravanan
29	Dr.V.R. Venkatasubramani	V.R. Venkatasubramani
30	Mrs. B.Subbulakshmi	B. Subbulakshmi
31	Mrs. S.Pudumalar	S. Pudumalar
32	Mr.G.Balaji (A.MADHUMATHI)	G. Balaji
33	Dr. S.Vijayalakshmi	S. Vijayalakshmi
34	Dr. S.Rajathi	S. Rajathi
35	Dr. G.Jothilakshmi	G. Jothilakshmi
36	Mr.T.Vivek	T. Vivek
37	Dr. J.ShanmugaPriya	J. ShanmugaPriya
38	Mr.S.Sivakumar	S. Sivakumar
39	Dr. S.J. Thiruvengadam	S. J. Thiruvengadam

Student Nominee

40	Mr.V.Venkatachalam Reg.No. 14G108 (B.E Mechanical Engineering) VII sem	V. Venkatachalam
41	Ms. V.Suthalakshmi Reg.No. 15Y049, (M.C.A) V sem	ABSENT
42	Ms. I. Catherine Sanchana Reg.No. 14B21 (B.E. Civil Engineering) VII sem	I. Catherine Sanchana
43	Ms. N.Shiny Ponmani Reg.No. 16N016 M.E (Communication System) III sem	ABSENT