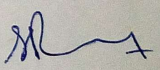
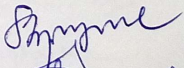
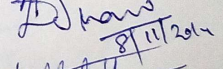
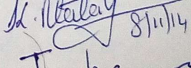
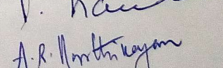
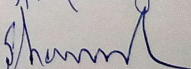
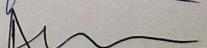
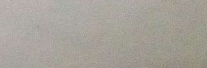


THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

MINUTES OF THE MEETING

Name of the meeting : Board of Studies Meeting, ECE Department
Date of the meeting : 08.11.2014
Time : 10.00 A.M
Duration : 3 Hours
Venue : Agilent Lab, Thiagarajar College of Engineering

Attended by:

Dr.S.Raju	Chairman, Board of Studies (ECE), Professor & Head of ECE Department, TCE, Madurai	
Dr.S.Shanmugavel	Principal, National Engineering College, Kovilpatti	
Dr.D.Sriram Kumar,	Professor, Department of ECE, NIT Trichy	 8/11/2014
Dr.K.Malathy	Associate Professor, Anna University, Chennai	 8/11/14
Dr.T.Ganesan	Texas Instruments, Bangalore.	
Dr.A.R.Karthikeyan	Tata Elxsi, Bangalore.	
Dr.Chandramouleewaran	Honeywell Technology Solutions Pvt Ltd, Madurai	
Dr.Ashok Rao	Former IISC Professor, Bangalore.	

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Faculty Members:

Dr. M. Suganthi
 Dr. S.J. Thiruvengadam
 Dr. S. Rajaram
 Dr. B. Manimegalai
 Dr. S. Md. Mansoor Roomi
 Dr.R.A.Alagu Raja
 Dr. T. Aruna
 Dr. S. Kanthamani
 Dr.K.Hariharan
 Dr.L.R.Karl Marx
 Dr. M.S.K. Manikandan
 Dr. A. Banumathi
 Dr. A. Thenmozhi
 Dr. B. Yogameena
 Dr. B. Sathyabama
 Dr.M.N.Suresh
 Mrs. K. Rajeswari
 Dr. N.B. Balamurugan
 Dr.S.Ponmalar

Professor

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Professor

Associate Professor

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Assistant Professor

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Assistant Professor

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Associate Professor

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Assistant Professor

Assistant Professor

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Associate Assistant Professor

Assistant Professor

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THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Mr.V.Vinoth Thyagarajan
Mrs. E. Murugavalli
Dr.G.Ananthi
Mr.V.N.Senthikumaran
Dr.D. Gracia Nirmala Rani
Mr. P.G.S. Velmurugan
Mr.V.R. Venkatasubramani
Dr. K. Kalyani
Mr.M.Senthilnathan
Mr.K.Vasudevan
Mr.M.Kapil Kumar
Dr.M.Mutharasan
Dr.M.Mahendran
Dr.S.Balaji

Assistant Professor *V. Vinodh*
Assistant Professor *E. Murugavalli*
Assistant Professor *G. Ananthi*
Assistant Professor *V.N. Senthikumar*
Assistant Professor *D. Gracia*
Assistant Professor *P.G.S. Velmurugan*
Assistant Professor *V.R. Venkatasubramani*
Assistant Professor *K. Kalyani*
Assistant Professor *M. Senthilnathan*
Assistant Professor *K. Vasudevan*
Teaching Assistant *M. Kapil Kumar*
Assistant Professor *M. Mahendran*
Associate Professor *M. Mahendran*
Assistant Professor *S. Balaji*
8/4

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Sl.No	Points Discussed	Action Plan	Responsibility	Target date
1.	Scheduling of Courses	<p>Dr.S.Raju welcomed the gathering and Dr.S.J.Thiruvengadam presented the Scheduling of Courses. The following suggestions were made:</p> <ul style="list-style-type: none"> • A mathematical course on 'computational mathematics' with one unit on time-series analysis may be introduced. • The course 'Engineering by Design' may be placed in IV semester. • 'Transmission lines and waveguides' may be considered as core course in BE ECE Curriculum. • Digital state space method may be included in 'Control systems' course. • The title of the course 'Data Communication Networks' is to be changed as 'Computer Networks'. • The course 'Analog Communication' and 'Digital Communication' may be merged as a single course and 'Wireless Communications' can be included in core course. • The topic 'climate science' may be included 14EC250 Environmental Science. • Courses on Life sciences for Engineers, Bio-materials and last Mile Connectivity may be introduced as elective courses. 	Dr.S.J.Thiruvengadam	12.11.14

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
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2.	The approval of the syllabi for the course 14EC210: Engineering Mathematics II	Dr.M.Mutharasan presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Introduce Vector fields in first module. • Re-order the modules in the following manner: Laplace transform, Analytical functions, Complex integration, Multiple integrals and Vector calculus. 	Dr.M.Mutharasan	
3.	The approval of the syllabi for the course 14EC220: Passive Circuit Analysis and Synthesis	Dr.B.Manimegalai presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include terms such as 'two port network' and 'Q-factor' in the course content. • NPTEL online materials can be utilized. • Latest Editions of book should be mentioned. 	Dr.B.Manimegalai, Dr.B.Sathyabama	12.11.14
4.	The approval of the syllabi for the Course 14EC230 Semiconductor Devices	Dr.N.B.Balamurgan presented the Course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Remove SCR, FinFET, TRIAC.from the syllabus. • Include IGBT, Flash RAM, gallium nitride, gallium arsenic and T-HEMT devices. • Certain topics in the first module that is common with 'Materials Science' course can be removed. 	Dr.N. B. Balamurugan, Mr.V. Vinoth Thyagarajan	12.11.14
5.	The approval of the syllabi for the Course 14EC240: Materials Science	Dr.M.Mahendran presented the Course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include the term 'graphites' in the course content. • Can be accompanied by a lab such as 'Materials science for engineering lab'. Marks allotment can be 60/40 for theory/practical respectively. • Also students can visit DMRL research lab of DRDO. 	Dr.M.Mahendran	12.11.14

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015

Department of Electronics and Communication Engineering

6.	The approval of the syllabi for the Course 14EC250 Environment Science	Dr.S.Balaji presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include socio-economic aspect of climate and climate change, e-waste and plastic management. • .Emphasize on rain-water harvesting • Students can do service along with NSS volunteers 	Dr.S.Balaji	12.11.14
7.	The approval of the syllabi for the Course 14EC270 Digital Circuit Design	Dr.D.Gracia Nirmala Rani presented the Course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include multipliers and various configurations of adders like look-ahead adders. • Separate course content has to given for theoretical and practical portion. • Latest editions of book should be mentioned 	Dr.S.Rajaram Dr. D.Gracia Nirmala Rani	12.11.14
8.	The approval of the syllabi for the Course 14EC280 Circuit and Devices Lab	Dr.N.B.Balamurugan presented the Course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include T & Π network and impedance matching networks. • Combine LED/LDR/Photodiode as one experiment • Combine first order RC/LC circuits as one experiment • Include study of modern device characteristics. • Include experiments to determine Q-factor. • Introduce novel measuring methods. 	Dr.N. B. Balamurugan, Mr.V. Vinoth Thyagarajan	12.11.14
9.	The approval of the syllabi for the Course 14EC290 Workshop	Dr.K.Hariharan presented the Course and the syllabus has been approved without change.	Dr.K.Hariharan	12.11.14

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

10.	The approval of the syllabi for the Course DCW Control Systems	Dr.S.J.Thiruvengadam presented the Course and the syllabus has been approved without change.	Dr.S.J.Thiruvengadam	12.11.14
11.	M.E. (Communication Systems) and M.E. (Wireless Technologies) - Programme Educational Objectives (PEOs), Programme Objectives (POs) and Syllabi	Dr.S.J.Thiruvengadam presented the PEOs, POs and Syllabi for M.E. (Communication Systems) and M.E. (Wireless Technologies). The following suggestions were made: <ul style="list-style-type: none"> • The specific performance measurability of PEO should be mentioned. • M.E (Communication Systems) can be more on networking layer approach. • M.E (Wireless Technologies) PEOs can be related to industry backbone. Bring more physical layer aspects. Last mile issues can be emphasized. • Swap core and elective Courses between both the M.E courses. 	Dr.S.J.Thiruvengadam	12.11.14

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Department of Electronics and Communication Engineering

12.	Dr.S.J.Thiruvengadam presented the equivalent Courses and Grade Point Average (GPA) calculations for the candidate Mr.M.Gopinath (Reg.No: 14TD01, Roll No: 56235), who has been transferred from Government College of Engineering - Thirunelveli and joined in BE (Electronics and Communication Engineering) III semester at Thiagarajar College of Engineering, Madurai in the academic year 2014-15 (Odd Semester)	Board of studies Members have approved the recommendations on the equivalent Courses and Grade Point Average (GPA) calculations, presented by Dr.S.J. Thiruvengadam	Dr.S.J.Thiruvengadam	12.11.14
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Prepared by VR Vignatha Subhramani Date: 08.11.2014

Approved by [Signature] Date: 08.11.2014

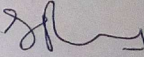
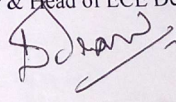
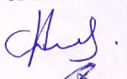

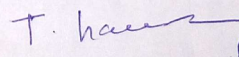
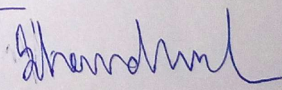
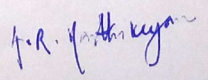
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THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

MINUTES OF THE MEETING

Name of the meeting : Board of Studies Meeting, ECE Department
Date of the meeting : 18.04.2015
Time : 02.30 P.M
Duration : 3 Hours
Venue : Agilent Lab, Thiagarajar College of Engineering, Madurai

Attended by:

Dr.S.Raju	Chairman, Board of Studies (ECE), Professor & Head of ECE Department, TCE, Madurai	
Dr.D.Sriram Kumar,	Professor, Department of ECE. NIT Trichy	
Dr.P.Hanumantha Rao	Sameer, Chennai	
Mr.S.Manivannan	Siemens Ltd., Bangalore	
Dr.T.Ganesan,	Texas Instruments, Bangalore	
Mr.S.Chandramouleeswaran	Honeywell Technology Solutions Pvt. Ltd, Madurai	
Dr.A.R.Karthikeyan	Astra Microwave, Bangalore	

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Faculty Members:

Dr. R. Sukanesh
Dr. M. Suganthi
Dr. S.J. Thiruvengadam
Dr. S. Rajaram
Dr. S. Md. Mansoor Roomi
Dr. B. Manimegalai
Dr.R.A.Alagu Raja
Dr. T. Aruna
Dr.K.Hariharan
Dr. M.S.K. Manikandan
Dr.L.R.Karl Marx
Dr. A. Banumathi
Dr. A. Thenmozhi
Dr. B. Yogameena
Dr. B. Sathyabama
Dr.M.N.Suresh
Dr. K. Rajeswari
Dr. N.B. Balamurugan
Mr.V.Vinoth Thyagarajan

Professor

Professor

Professor

Associate Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Associate Professor

Associate Professor

Associate Professor

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Associate Professor

Associate Professor

Associate Professor

Assistant Professor

Assistant Professor

Associate Professor

Assistant Professor

18/9/15
S.J. Thiruvengadam
S.R.
W. S. Manimegalai
Dr. R. A. Alagu Raja
T. Aruna
K. Hariharan
M. S. K. Manikandan
L. R. Karl Marx
A. Banumathi
A. Thenmozhi
B. Yogameena
B. Sathyabama
M. N. Suresh
K. Rajeswari
N. B. Balamurugan
V. V. Vinoth Thyagarajan

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Dr.S.Ponmalar

Assistant Professor & Ponmalar

Dr. G. Ananthi

Assistant Professor G. Ananthi

Mrs. E. Murugavalli

Assistant Professor E. Murugavalli

Dr.V.N.Senthilkumaran

Assistant Professor V.N. Senthilkumaran

Mr.K. Vasudevan

Assistant Professor K. Vasudevan

Dr.D. Gracia Nirmala Rani

Assistant Professor D. Gracia Nirmala Rani

Mr. P.G.S. Velmurugan

Assistant Professor P.G.S. Velmurugan

Dr.V.R. Venkatasubramani

Assistant Professor V.R. Venkatasubramani

Dr. K. Kalyani

Assistant Professor K. Kalyani

Mr.M.Senthilnathan

Assistant Professor M. Senthilnathan

Mr.S. Parthasarathi

Assistant Professor S. Parthasarathi

Mr.M.Kapil Kumar

Teaching Assistant M. Kapil Kumar

Dr.M.Mutharasan

Assistant Professor M. Mutharasan

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015
Department of Electronics and Communication Engineering

Sl.No	Points Discussed	Action Plan	Responsibility	Target date
1.	Scheduling of Courses	Dr.S.Raju welcomed the gathering and Dr.S.J.Thiruvengadam presented the Scheduling of Courses. The following suggestions were made: <ul style="list-style-type: none"> A separate course on operational amplifier to be introduced in fourth semester. A elective course on "Radar systems and Engineering" can be introduced. 	Dr.S.J.Thiruvengadam	29.04.15
2.	The approval of the syllabi for the course 14EC310: Engineering Mathematics III	Dr.M.Mutharasan presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> The title of the course can be change to " Partial Differential Equations and Linear Algebra" More practical applications can be included 	Dr.M.Mutharasan	29.04.15
3.	The approval of the syllabi for the course 14EC320: Problem Solving using Computers	Dr.S.Ponmalar presented the course and the syllabus has been approved. The following changes are suggested. <ul style="list-style-type: none"> Include reference book titled "Art of Computer Programming" by Donald E. Knuth. 	Dr.S.Ponmalar <i>Mr. S. Chacko</i>	29.04.15
4.	The approval of the syllabi for the Course 14EC330 Electronic Circuit Design	Mr.V. Vinoth Thyagarajan presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> The module on operational amplifier can be dealt in a separate course in fourth semester. Each module can include relevant applications 	Mr.V. Vinoth Thyagarajan <i>Dr. T. Gane</i>	29.04.15

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015

Department of Electronics and Communication Engineering

5.	The approval of the syllabi for the Course 14EC340: Signals and Systems	Mr.P.G.S.Velmurugan presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Include the types of systems and modeling of frequency domain signals. • Include reference book titled "Digital Signal Processing: A Modern Introduction" by Ashok Ambardar. 	Mr.P.G.S.Velmurugan	29.04.15
6.	The approval of the syllabi for the Course 14EC350 Electromagnetics	Dr.A.Thenmozhi presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Change "changing magnetic field" as "time-varying field". • Change "wave propagation" as "uniform plane wave" • Include reference book titled "Applied Electromagnetics" by Martin.K.Plonus. 	Dr.A.Thenmozhi <i>Dr. Hanumanth Rao</i>	29.04.15
7.	The approval of the syllabi for the Course 14EC370 Microprocessors	Dr.K.Hariharan presented the course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Change the course title as "Microprocessor Architectures and Programming". • Include contents based on computer organization. • Include text book titled "Computer Organization and Architecture Designing for Performance" by William Stallings. 	Dr.K.Hariharan <i>Dr. S. Chandu</i>	29.04.15
8.	The approval of the syllabi for the Course 14EC380 Problem Solving using Computer Laboratory	Dr.S.Ponmalar presented the Course and the syllabus has been approved. The following changes are suggested <ul style="list-style-type: none"> • Change the course title as "Computer Programming Laboratory" 	Dr.S.Ponmalar <i>Dr. S. Chandu</i>	29.04.15

THIAGRARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015

Department of Electronics and Communication Engineering

9.	The approval of the syllabi for the Course 14EC390 Electronic Circuit Design Laboratory	Mr.V.Vinoth Thyagarajan presented the Course and the syllabus has been approved without change.	Dr. J. Ganesan	-
10.	The approval of the syllabi for the Course 14CNPX0 Photonic Crystals- Principles and Applications	Dr.S.Ponmalar presented the course and the syllabus has been approved without change	-	-
11.	Dr.S.J.Thiruvengadam presented the equivalent Courses and Grade Point Average (GPA) calculations for the candidate Mr.M.Gopinath (Reg.No: 14TD01, Roll No: 56235), who has been transferred from Government College of Engineering - Thirunelveli and joined in BE (Electronics and Communication Engineering) III semester at Thiagarajar College of Engineering, Madurai in the academic year 2014-15 (Odd Semester)	Board of studies Members have approved the recommendations on the equivalent courses and Grade Point Average (GPA) calculations, presented by Dr.S.J. Thiruvengadam	Dr.S.J.Thiruvengadam	-
12.	Choice Based Credit System (CBCS)	Dr.S.J.Thiruvengadam presented the CBCS System. BoS members appreciated the introduction of CBCS system, as this will be helpful for any type of learners. This system will be implemented for the students admitted from the academic year 2015-16.	-	-

Prepared by VR Nengata Subhramanyam Date: 18.04.2015

Approved by S.J. Thiruvengadam Date: 18.04.2015