

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University Chennai)

K.R.NAGAR, KOVILPATTI - 628 503



5th BOARD OF STUDIES MEETING – MINUTES

**28th March – 11th April
2015**

Venue: Conference Hall in the Administrative Block

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES - FIFTH BOARD OF STUDIES MEETING

Department of Mechanical Engineering

Fifth Board of Studies meeting for the Department of Mechanical Engineering was held on 10/04/2015 (Friday) at Smart Class Room of Mechanical Engineering Department, National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr.K.Manisekar, Professor, Dept. of Mechanical Engineering, the member of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

Members:

Dr.D.Mohanlal Professor & Head Division of Refrigeration and Air-conditioning Department of Mechanical Engineering Anna University Chennai Chennai - 600 025	-	External Member
Dr.A.Arockiarajan Associate Professor Department of Applied Mechanics Indian Institute of Technology Madras Chennai - 600 036	-	External Member
Dr.K.Natarajan Professor and Head Department of Mechanical Engineering P.S.G. College of Technology Pellamedu, Coimbatore - 641 004	-	External Member
Dr.Balakrishnan Gopal Engineering Software Development-PD> Caterpillar Engineering Design Center-India 7th Floor, IIT-M Research Park No.1 Kanagam Road, Taramani Chennai - 600 113	-	External Member
Dr. K.Kalidasa Murugavel Prof. & Head / Mechanical	-	Chairman

Dr.K.Manisekar Professor / Mechanical	-	Member
Dr.D.Ravindran Professor / Mechanical	-	Member
Dr.H.Kanagasabapathy Professor	-	Member
Mr.G.Esakkimuthu Associate Professor (SG)	-	Member
Dr.G.Selvakumar Assistant Professor (SG)	-	Member
Mr.D.Venkatkumar Assistant Professor (SG)	-	Member
Dr.T.Vigraman Associate Professor	-	Member
Mr.F.Michael Thomas Rex Assistant Professor	-	Member

Special Invitees

Dr.Kn.K.S.K.Chockalingam
Director

Dr.S.Shanmugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

**05.01: B.E. (Mechanical) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR
THIRD YEAR**

Curriculum and Syllabi for third year B.E. – Mechanical Engineering Department under Regulations – 2013 were presented by Mr.D.Venkatkumar, Member of the Board of Studies.

05.02: B.E. (Mechanical) – REGULATIONS - 2015 CURRICULUM

Curriculum of first year to final year B.E. – Mechanical Engineering Department Regulations-2015 under CBCS were presented by Mr.F.Michael Thomas Rex, Member of the Board of Studies,

05.03: M.E. (MANUFACTURING ENGINEERING) – CURRICULUM AND SYLLABI FOR REGULATIONS-2015

Curriculum and Syllabi for M.E. – Manufacturing Engineering Regulations-2015 under CBCS were presented by Mr.N.Lenin, Asst.Professor (SG), Department of Mechanical Engineering.

05.04: M.E. (ENERGY ENGINEERING) – CURRICULUM AND SYLLABI FOR REGULATIONS-2015

Curriculum and Syllabi for M.E. – Energy Engineering Regulations-2015 under CBCS were presented by Mr.P.Ramanan, Asst.Professor (SG), Department of Mechanical Engineering.

05.05 M.E. (ENERGY ENGINEERING) – SPECIAL ELECTIVE SYLLABI FOR REGULATIONS-2013

Curriculum and Syllabi for M.E. – Energy Engineering of II & III SEMESTER SPECIAL ELECTIVE COURSES (Namely Design and Optimization of Energy Systems - EEE2L, Coordination Chemistry - EEE2M, Physical Organic Chemistry - EEE2N, Spectroscopic Methods in Chemistry - EEE3K, Analytical Chemistry - EEE3L) - (REGULATIONS – 2013)

05.06 B.E. (MECHANICAL ENGINEERING) – ELECTIVE SYLLABI FOR REGULATIONS-2011

Curriculum and Syllabi for VI & VII SEMESTER INDUSTRY COLLABORATIVE COURSES (Namely, Piping Design Engineering – BME023, Advanced Modeling Techniques – BME024, Quality Control of Welded Structures – BME025, Quality Assurance for Welded Structures – BME026, Creativity Innovation and New Product

Development – BME027, Advanced Computer Aided Manufacturing – BME028), Design of Heat Exchanger and Pressure Vessel – BME029, Aircraft Engineering – BME030 & Non Destructive Testing for Welded Structures – BME031 - (REGULATIONS – 2011)

- ✓ The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for third year B.E. (Mechanical) degree course offered under Regulations 2013.
 - b) The Curriculum for B.E. (Mechanical) degree course offered Regulations 2015 under CBCS.
 - c) The Curriculum and Syllabi for M.E. (Manufacturing Engineering) degree course offered Regulations 2015 under CBCS.
 - d) The Curriculum and Syllabi for M.E. (Energy Engineering) degree course offered Regulations 2015 under CBCS.
 - e) The Industry Collaborative Elective syllabi for B.E. (Mechanical) degree course offered under Regulations 2011.
 - f) The Industry Collaborative Elective syllabi for M.E. (Energy Engineering) degree course offered under Regulations 2013.

Refer Annexure for the suggestions given by the BOS members.

Dr.D.Ravindran, Professor / Mechanical Engineering & Member of Board of Studies

thanked all the members for their kind cooperation and the meeting came to an end.

ANNEXURE

Suggestions:

Regulation-2011


- i. Non Destructive Testing course has to be offered as a single course instead of Non Destructive Testing-1 and Non Destructive Testing -2.
- ii. Applied Computational Fluid Dynamics and Finite Element Analysis course have to be offered as elective course as per the industrial requirements by replacing the existing Computational Fluid Dynamics (BME011) elective course.

Regulation-2013

- i. Dynamics of machines has to be renamed as Dynamics of Machinery.
- ii. CAD/CAM course has to be renamed as Computer Aided Design and Manufacturing.
- iii. Comprehension practical course is to be provided with reference materials like CII Magazine and Gate Materials.
- iv. Applied Hydraulics and Pneumatics has to be renamed as Fluid Power Systems.
- v. Heat and Mass Transfer Laboratory Course has to be added in the curriculum.
- vi. Computer Aided Design Laboratory course and Computer Aided Manufacturing Laboratory course have to be combined as a single course.
- vii. Heat Exchanger Design Elective course has to be eliminated from the curriculum by retaining the course design of heat exchanger and pressure vessel.
- viii. Elective courses listed in the curriculum under various modules have to be rearranged as per course content relevance.
- ix. Course code has to be assigned with uniformity in middle two digits for Inter disciplinary courses.

Regulation -2015

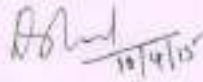
- i. Production and management domain may be renamed as Manufacturing and Industrial Engineering.
- ii. Elective courses should be offered without prerequisites.
- iii. Contact hours for all units in a Course have to be uniform.
- iv. Core and elective courses for PG programmes may be categorized as: Fundamental course, Programme core course, elective course and employability enhancement course.
- v. Student members have to participate in the BOS Meetings.



Chairman / Mechanical Board

Members present

Dr.D.Mohanlal


10/4/15

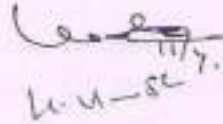
Dr.A.Arockiarajan


10/4/15

Dr.K.Natarajan


10-4-15

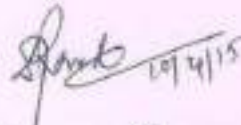
Dr. K.Kalidasa Murugavel


11/4/15

Dr.K.Marisekar


10-4-15

Dr.D.Ravindran


10/4/15

Dr.H.Kanagasabapathy



Mr.G.Esakkimuthu


G. Esakkimuthu

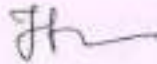
Dr.G.Selvakumar


10/4/15

Mr.D.Venkatkumar


D. Venkatkumar

Dr.T.Vigraman




Mr.F.Michael Thomas Rex



Dr.Ka.K.S.K.Chockalingam

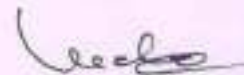

10-4-15

Dr.S.Shannugavel



Dr.B.Sankaragomathi





Chairman / Mechanical Board

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – FIFTH BOARD OF STUDIES MEETING

Department of Electronics and Communication Engineering

Fifth Board of Studies meeting for the Department of Electronics and Communication Engineering was held on 04/04/2015 (Saturday) at Conference Hall of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr.A.Shenbagavalli, Professor & Head/ECE, the Chairman of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

Dr. Y. V. Ramana Rao Professor / ECE Anna University, Guindy Campus Chennai – 600 025	-	External Member
Dr. M. Malleswaram HOD / ECE University College of Engineering, Kanchipuram - 631552.	-	External Member
Dr. J. Klutto Milleth Chief Technologist Centre of Excellence in Wireless Technologies IITM Research Park, Chennai – 600 013	-	External Member
Mr. Imran Syeed Manager University relations EdGate Technologies R.T.Nagar, Bangalore - 560 032	-	External Member
Dr. P. Essaki Muthu Chief Scientist River Silica, Century Apartments, 100 Feet Road Indiranagar, Bangalore - 560 038	-	External Member
Dr.A.Shenbagavalli Prof.&Head/ECE	-	Chairman

Dr.S.Tamil Selvi Prof.&Head/ECE(PG)	-	Internal Member
Mr.N.Arumugam Associate Professor	-	Internal Member
Mr.V.R.S.Mani Associate Professor	-	Internal Member
Mr.T.Devakumar Assistant Professor (SG)	-	Internal Member
Mr.A.Saravara Selvan Assistant Professor (SG)	-	Internal Member
Mr.K.J.Prasanna Venkatesan Assistant Professor (SG)	-	Internal Member

Special Invitees

Dr.Kn.K.S.K.Chockalingam
Director

Dr.S.Shanmugavel
Principal

Dr.B.Sunkaragomathi
Dean (Academic)

**05.01: B.E. (ECE) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR
THIRD YEAR**

Curriculum and Syllabi for Third year B.E. – Electronics and Communication Engineering department under Regulations-2013 were presented by **Mr.N.Arumugam, Associate Professor/ECE.**

05.02: B.E. (ECE) – REGULATIONS - 2015 CURRICULUM

Curriculum for First year to Final year B.E. – Electronics and Communication Engineering department Regulations-2015 under CBCS were presented by **Mr. K. J. Prasanna Venkatesan, Assistant Professor (SG)/ECE.**

05.03: M.E. (COMMUNICATION SYSTEMS) – REGULATIONS 2015 CURRICULUM AND SYLLABI

M.E. (Communication Systems) Curriculum and Syllabi for Regulations-2015 under CBCS were presented by **Dr.S.Tamilselvi, Prof.&Head/ECE(PG)**.

05.04: M.E. (COMMUNICATION SYSTEMS) – REGULATIONS 2013 REVISED CURRICULUM AND SYLLABI

M.E. (Communication Systems) Revised Curriculum for Regulation-2013 and syllabus were presented by **Dr.S.Tamilselvi, Prof.&Head / ECE(PG)**.

05.05: M.E. (EMBEDDED SYSTEM TECHNOLOGIES) – REGULATIONS 2015 CURRICULUM AND SYLLABI

M.E. (Embedded System Technologies) Curriculum and Syllabi for Regulations-2015 under CBCS were presented by **Mr. T. Devakumar, Assistant Professor (SG) / ECE**.

The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.

- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
- a) The Curriculum and Syllabi for third year B.E. (ECE) degree programme under Regulations 2013.
 - b) The Curriculum for First year to Final year B.E. (ECE) degree programme under Regulations 2015 (CBCS + OBE)
 - c) The Curriculum and Syllabi for M.E. (Communication Systems) degree programme under Regulations 2015
 - d) The Revised Curriculum and Syllabi for M.E. (Communication Systems) degree programme under Regulations 2013.
 - e) The Curriculum and Syllabi for M.E. (Embedded System Technologies) degree programme under Regulations 2015

Refer Annexure for the suggestions given by the BOS members.

Mr.V.R.S.Mani, Associate Professor thanked all the members for their kind cooperation and the meeting came to an end.

ANNEXURE

Suggestions

B.E – ECE (R -2013) – THIRD YEAR SYLLABUS

COMMUNICATION THEORY

- Unit 1 & 2 may be combined together.
- Unit 3 may be moved to unit 2
- The transmitters in unit 1, unit 2 & unit 3, along with receivers in unit 4 may be combined in unit 3 and it may be named as analog communication system.
- Title of unit 4 may be changed as noise theory.
- Unit 5 in communication theory may be moved to digital communication. Instead pulse modulation techniques can be incorporated in Unit 5.

DSP FOR COMMUNICATION ENGINEERING

- Instead of Digital Signal Processor in Unit V, Multirate signal Processing concepts may be included.

MICROPROCESSORS AND MICROCONTROLLER

- In Unit II, DMA controller and Interrupt controller may be included.
- Unit IV title "8051 Programming" can be renamed as "8051 Instruction set and Programming".

ANALOG COMMUNICATION AND SIGNAL PROCESSING LABORATORY

- In Experiment Number 1 & 2, demodulation technique may also be included in addition to modulation technique.

DIGITAL COMMUNICATION

- Information theory concepts may be included in unit 1.
- Spread spectrum techniques may be included in unit 5.

COMPUTER ARCHITECTURE AND ORGANIZATION

- Course Outcome-3 should be changed.
- In Unit V, the contents within the bracket may be removed.

ANTENNAS AND WAVE PROPAGATION

- No of antennas may be reduced.
- Despun antenna may be included in Unit III.
- Power measurement may also be included in Unit IV.

DIGITAL COMMUNICATION AND NETWORKS LABORATORY

- 9th Experiment may also be done using MATLAB in addition to discrete components.
- Frequency Selective Channel & Channel characteristics using MATLAB may be included.

INTER – DISCIPLINARY COURSES.

- Data Mining, Big Data Analytics may be included in Inter disciplinary electives.

B.E – ECE (R -2015) – CURRICULUM & FIRST YEAR SYLLABUS

- The title of the courses communication – I & communication – II may be changed as Communication Systems and Advanced Communication Systems respectively.

- Instead of Mathematics – III, the title may be more specific related to the content.
- The credit for practical course may be changed to 2. In case of assigning credit as 1, then assessment procedure/method may be changed.

CIRCUIT ANALYSIS

- In Unit – I, Delta to Star conversion alone is mentioned in the course content. So, Star to Delta conversion may also be added with it.
- In unit – V, contents of ABCD parameters may be removed

CIRCUITS AND DEVICES LAB

- For devices experiments, in addition to VI characteristics some application may also be included.

REGULATION – 2015 M.E. – COMMUNICATION SYSTEMS

- Remove CDMA Engineering course from II Semester electives. Instead add the subject Multiple Access Techniques in I semester electives.

MOBILE COMMUNICATION AND STANDARDS

- Channel strategies may be included at the end of the first unit.
- Unit –II title may be changed as wireless fading channel.
- Unit –III will be named as 3G standards & evaluation.
- HSPA may be moved to unit IV
- TDMA, FDMA may be moved to Unit III
- In unit V remove IEEE 802.16 standards.

WIRELESS MIMO COMMUNICATION

- The content may be changed with reference to the book titled “Fundamentals of Wireless Communication” by David Tse and Pramod Viswanath, 1st Edition, Cambridge University Press, 2005.

LTE FOR MOBILE BROADBAND

- Syllabus may be re-modified using any standard book .

RF SYSTEM DESIGN

- Add the book titled “Microwave Devices & Circuits” by Samael Liao, Pearson Education, 3rd Edition, 2003 in the references.

COMMUNICATION SYSTEM LABORATORY – II

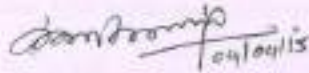
- Implementation of digital communication system is modified as Implementation of wireless communication system using USRP
- The software required for Performance analysis of routing algorithm for wireless sensor network may be included.

REGULATION – 2015 M.E. – EMBEDDED SYSTEM TECHNOLOGIES


- In Applied Mathematics for Embedded Engineers course, unit 4 and unit 5 may be replaced by graph theory and calculus of variations.

Members Present

Dr. M. Mallewaran


04/04/15

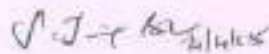
Dr. J. K. J. Milleth



Dr. A. Shenbagavalli


4/4/15

Dr. S. Tamil Selvi


4/4/15

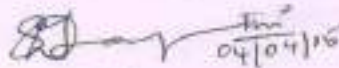
Mr. N. Arumugam


4/4/15

Mr. V. R. S. Mari


04/04/15

Ms. S. D. Jayavathi


04/04/15

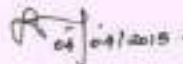
Mr. T. Devakumar


04/04/15

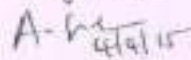
Mr. T. Vijayarandh


4/4/15

Mr. K. J. Prasanna Venkatesan


04/04/2015

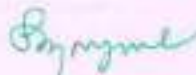
Mr. A. Saravana Selvan


4/4/15

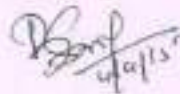
Dr. K. K. S. K. Choekalingam

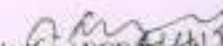

4-4-15

Dr. S. Shanmugavel



Dr. B. Sankaragomathi


4/4/15


Chairman / ECE Board

Dr. A. SHENBAGAVALLI M.E., Ph.D.
PROFESSOR & HEAD
Department of Electronics and
Communication Engg
National Engineering College
K.R. Nagar, KOVILPATTI - 626 503.

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – FIFTH BOARD OF STUDIES MEETING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Fifth Board of Studies meeting for the Department of Computer Science and Engineering was held on 28/03/2015 (Saturday) at CISCO Networking Laboratory of CSE department, National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Ms.M.Jayalakshmi, Asst.Professor (SG), the Member of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

Dr.S.Radha Krishnan Sr. Professor / Dept. of CSE Dean – International Relations Kalasalingam University Krishnankoil – 626 190	-	External Member
Dr.A.Kandasamy Professor & Dean FW Dept. of MACS National Institute of Technology Karnataka, Sarathkal – 575 025	-	External Member
Dr.D.Shalini Punithavathani Professor & Principal Government College of Engineering Tirunelveli – 627 007	-	External Member
K.M. Suceendran, GPHR Regional Head – Chennai Resource Management Group & Workforce Management Head – Assurance Services Tata Consultancy Services, Chennai – 600 096	-	External Member
Mr. Somu Choekalingam Director Doyen Systems Ekkatuthangal, Guindy Chennai – 600 032	-	External Member
Mr.K.H.Ramanarayanan Senior Director Cognizant Technology Solutions Velachery, Chennai – 600 042	-	External Member

Mr. K.N. Visveswaran Chief Mentor Hexavarsity Hexaware Technologies Ltd., Siruseri Campus Chennai	-	External Member
Mr. Muruganantham Senior Manager Hexaware Technologies Siruseri Campus Chennai	-	External Member
Mr. Merwin Dhanaraj Associate Director-HR HCL Technologies Ltd. No 138, Medavakkam High Road, Sozhangannallur Village, Chennai 600119.	-	External Member
Dr.B.Paramasivan Prof. & Head / CSE	-	Chairman
Dr.V.Seenivasagam Controller of Examinations	-	Internal Member
Dr.K.G.Srinivasagan Prof. & Head / CSE (PG)	-	Internal Member
Dr.V.Gomathi Associate Prof. (SG) / CSE	-	Internal Member
Dr.V.Kalaivani Associate Prof. (SG) / CSE (PG)	-	Internal Member
Ms.V.Vimala Asst. Prof. (SG) / CSE	-	Internal Member
Mr.K.Mohaideen Pitchai Asso. Prof. / CSE	-	Internal Member
Ms.P.Bama Ruckmani Asst. Prof. / CSE (PG)	-	Internal Member

Ms.M.Bhuvanewari Asst. Prof. (SG) / CSE	-	Internal Member
Ms.G.Sivakama Sundari Asst. Prof. / CSE	-	Internal Member
Ms.J.Naskath Asst. Prof. (SG)/ CSE	-	Internal Member
Mr.S.Anantha Kumaran Asst. Prof. (SG) / CSE (PG)	-	Internal Member
Ms.M.Jayalakshmi Asst. Prof. (SG) / CSE	-	Internal Member
Ms.R.Rajakumari Asst. Prof. (SG) / CSE	-	Internal Member
Mr.K.Maharajan Asst. Prof. (SG) / CSE	-	Internal Member

Special Invitees

Dr.Kn.K.S.K.Cheekalingam
Director

Dr.S.Shanmugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

05.01: B.E. (CSE) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR THIRD YEAR

Curriculum and Syllabi for third year B.E. – Computer Science and Engineering department under Regulations-2013 were presented by **Dr.V.Gomathi, Associate Prof.(SG)**.

05.02: B.E. (CSE) –REGULATIONS - 2015 CURRICULUM FOR I YEAR TO FINAL YEAR

Curriculum for First year to Final year B.E. – Computer Science and Engineering department under Regulations-2015 under CBCS were presented by **Ms.V.Vimala, Asst.Professor.(SG)**.

05.03: MASTER OF COMPUTER APPLICATIONS – REGULATIONS 2013 CURRICULUM AND SYLLABI FOR THIRD YEAR

M.C.A. Curriculum and Syllabi for third year under Regulations-2013 were presented by **Mr.S.Ananthakumaran, Asst.Professor.(SG)/ CSE (PG).**

05.04: M.E. (COMPUTER SCIENCE AND ENGINEERING) – REGULATIONS 2015

Curriculum and Syllabi M.E. (Computer Science and Engineering) under Regulations 2015 were presented by **Dr.V.Kalaivani, Associate Prof. (SG) / CSE (PG).**

- ✓ The members had a brainstorming discussion and interaction among them. After the discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for third year B.E. (CSE) degree course offered under Regulations 2013.
 - b) The Curriculum and Syllabi for third year M.C.A. degree course offered under Regulations 2013.
 - c) The Curriculum for first year to final year B.E. (CSE) degree course offered under Regulations 2015 under CBCS.
 - d) The Curriculum and Syllabi for M.E.(CSE) degree course offered Regulations 2015 under CBCS.

Refer Annexure for the suggestions given by the BOS members.

Ms.G.Sivakamasundari, Assistant Professor thanked all the members for their cooperation and the meeting came to an end.


Chairman / CSE BOS
Dr. M. PARAMASIVAN, M.E.
Professor and Head
Department of Computer Science & Engg.
National Engineering College
KR Nagar KOVILKATTI-622 002

Members Present

Dr.A.Kandasamy
Dr.D.Shalini Punithavathani
Mr.K.M. Suceendran
Mr. Somu Chockalingam
Dr.B.Paramasivan
Dr.V.Seenivasagam
Dr.K.G. Srinivasagan
Dr.V.Gomathi
Dr.V.Kalivani
Ms.V.Vimala
Mr.K.Mohaideen Pitchai
Ms.P.Bama Rockmani
Ms.M.Bhuvaneswari
Ms.G.Sivakama Sundari
Ms.J.Naskath
Mr.S.Anantha Kumaran

A.Kandasamy/28/3/15

D.Shalini
28/3/15

K.M.Suceendran/28/2/15

Somu Chockalingam
28/3/15

B.Paramasivan
28/3/15

V.Seenivasagam
28/3/15

K.G. Srinivasagan
28/3/15

V.Gomathi
28/3/15

V.Kalivani
28/3/15

Ms.V.Vimala
28/3/2015

Mr.K.Mohaideen Pitchai
28/3/15

Ms.P.Bama Rockmani
28/3/15

Ms.M.Bhuvaneswari
28/3/15

Ms.G.Sivakama Sundari
28/3/15

Ms.J.Naskath
28/3/15

Mr.S.Anantha Kumaran
28/3/15

Ms.M.Jayalakshmi

[Handwritten signature]
28/3/15

Ms.R.Rajakumari

[Handwritten signature]
28/3/15

Mr.K.Maharajan

[Handwritten signature]
28/3/15

Dr.Kv.K.S.K.Chockalingam

[Handwritten signature]
28/3/15

Dr.S.Shanmugavel

[Handwritten signature]

Dr.B.Sankaragomathi

[Handwritten signature]
28/3/15

[Handwritten signature]
Chairman / CSE Board
Dr. B. PARAMASIVAN, M.E.
Professor and Head
Department of Computer Science & IT
National Engineering College
K.R. Nagar KOVILPATTI - 621
110

Minutes of 5th BOS Meeting held on 28.03.2015 at CISCO Networking Laboratory at Department of Computer Science and Engineering.

R2013

- Mr.K.M.Suceendran suggested to include design courses like User Interface Engineering, Design Solutions and Design of Applications.
- Students should be made to work with complex problems like case studies in addition to the conventional simple problems in laboratory courses.
- Students should be directed to prepare and submit small synopsis for Mini project, which may be used during the interviews.
- Interdisciplinary projects need to be encouraged, where joint projects are designed and researched by students belonging to multiple branches.
- Industry oriented skills may be included for possible courses during the current semesters.
- The Members appreciated the latest trend courses like Data Analytics, Data Mining and also suggested to include Internet of things and Virtualization courses in the curriculum.
- Dr.A.Kandasamy suggested that Engineering Economics, Financial Accounting and other related courses must be taught to the students.
- Main Project may be the only course offered in 8th semester, which will help the student to develop industry oriented skills. They should be encouraged to publish papers related to their Main Project in conferences and Journals.
- NPTEL must be introduced and utilized by all the students.
- Mini Projects need to be carried out by students and evaluated by faculty members.
- Mr. C. Somu Chockalingam suggested to include the course Systems Applications Products (SAP).
- Dr.D.Shalini Punithavathani appreciated the Special Interest Groups identified in Comprehension course.

R2015

- Dr.A.Kandasamy appreciated that the newly introduced course on Probability and Statistics will be the strong foundation for Big Data Analytics.
- Mr.Suceendran suggested to organize virtual internship and encourage students to participate in online competitions conducted by industries.
- Real world problems may be given as case studies in core laboratory courses, which may help students in understanding the concepts better.
- Mr. C. Somu Chockalingam suggested that Virtual training may be organized through Alumni every week.
- For CBCS, students can flexibly decide the credits to be earned. They can be permitted to undergo Main Project during 8th semester, by earning those credits in earlier semesters.
- Dr.D. Shalini Punithavathani pointed out that the students may be encouraged to work in their domain of interest right from fifth semester onwards. This will help them to perform well in project work.

M.E.CSE Regulations 2015

- Dr.A.Kandasamy pointed out that the syllabus needs academic orientation.
- Students must be encouraged to publish the outcomes of their project in journals.
- Dr.D. Shalini Punithavathani suggested that all the possible courses may include to in the fifth unit

MCA- R2013

- Mr.K.M.Suceendran suggested that the course named Portfolio Management need changes.
- Mr.C. Somu Chockalingam stated that Infrastructure Administration and Management an industrial need based course and students must be exposed to live problems and the solutions.
- Also Mr.C.Somu Chockalingam suggested that the course named Health care for services needs to be changed to IT services for Health care.

A.P. 10/10/15
Board Chairman & HOD/C
Dr. M. PARAMASIVAN, M.E., Ph.D.
Professor and Head
Department of Computer Science & Engineering
National Engineering College
K.R. Nagar, KOWLPATTI - 628 963

R. 10/10/15
10/10/15

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – FIFTH BOARD OF STUDIES MEETING

Department of Electrical and Electronics Engineering

Fifth Board of Studies meeting for the Department of Electrical and Electronics Engineering was held on 01/04/2015 (Wednesday) at Conference Hall of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr. L. Kalaivani, Associate Professor, the member of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

Dr. P.Venkatesh Associate Professor / Dept. of EEE Thiagarajar College of Engineering Madurai – 625 015	-	External Member
Dr. V. Sankaranarayanan Associate Professor / Dept. of EEE National Institute of Technology Tanjore Main Road, NH-67 Tiruchirappalli – 620 015	-	External Member
Dr.G.Venkatesan Principal Narasu's Sarathy Institute of Technology Poosaripatty Ormalur (TK) – 636 305	-	External Member
Dr. V. Malathi Professor / Dept. of EEE Anna University, Regional Centre Alagar Kovil Road Madurai – 625 002	-	External Member
Dr.Santosh Kumar Annadurai Alstom Grid, GIS R&D Centre Unit R&D Head 142, Salamangalam Vandalur Wallajabad Road Padappai, Chennai – 601301	-	External Member

Mr.K.Ramesh
Associate Manager
Smelter Electrical, Sterlite Copper
SIPCOT Industrial Complex
Tuticorin – 628 002

- External Member

SPECIAL INVITEES

Dr.Kn.K.S.K.Chockalingam
Director

Dr. S. Shanmugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

Dr. P. Subburaj
Professor/EEE

CHAIRMAN

Dr.M.Wilijoice Iruthayarajan
Professor & Head/EEE

INTERNAL MEMBERS LIST

1. Dr. M. Ravindran,
Associate Professor/EEE
2. Dr. R.V. Maheswari,
Associate Professor/EEE
3. Dr. L. Kalaivani,
Associate Professor/EEE
4. Mr. N. B. Prakash,
Associate Professor/EEE
5. Mr. G. Kannayeram,
Assistant Professor (S.G)/EEE

05.01: B.E. (EEE) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR THIRD AND FINAL YEAR

Curriculum and Syllabi for third and final year B.E. – Electrical and Electronics Engineering department under Regulations-2013 were presented by Dr. L. Kalaivani, Associate Professor/EEE, Programme Coordinator B.E. (EEE).

05.02: B.E. (EEE) – REGULATIONS - 2015 CURRICULUM

Curriculum for first year Final year B.E. – Electrical and Electronics Engineering department with Regulations-2015 under OB- Choice Based Credit System were presented by Dr. R.V. Maheswari, Associate Professor/EEE.

05.03: M.E. (HVE) – REGULATIONS - 2015 CURRICULUM AND SYLLABI

Curriculum and Syllabi M.E. – High Voltage Engineering with Regulations-2015 under OB- Choice Based Credit System were presented by Dr. R.V. Maheswari, Associate Professor/EEE, Programme Coordinator M.E. (HVE).

- ✓ The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for third and final year B.E. (EEE) degree course offered under Regulations 2013.
 - b) The Curriculum for first year to final year B.E. (EEE) degree course offered Regulations 2015 under OB- Choice Based Credit System.
 - c) The Curriculum and Syllabi for M.E. (HVE) degree course offered Regulations 2015 under OB- Choice Based Credit System.

Refer Annexure for the suggestions given by the BOS members.

Mr. N. B. Prakash, Associate Professor thanked all the members for their kind cooperation and the meeting came to an end.

Members Present

Dr. P. Venkatesh

P. Venkatesh

Dr. V. Malathi

V. Malathi

Dr. M. Willjuice Iruthayazhan

M. Willjuice Iruthayazhan

Dr. M. Ravindran

M. Ravindran

Dr. R.V. Maheswari

R.V. Maheswari

Dr. L. Kalaiyani

L. Kalaiyani

Mr. N. B. Prakash

N. B. Prakash

Mr. G. Kannayeram

G. Kannayeram

Dr. K. K. S. K. Chockalingam

K. K. S. K. Chockalingam

Dr. S. Shanmugavel

S. Shanmugavel

Dr. B. Sankaragomathi

B. Sankaragomathi

Dr. P. Subburaj

P. Subburaj

M. Willjuice Iruthayazhan
Chairman / EEE Board

Dr. M. WILLJUICE IRUTHAYAZHAN, M.E. Ph.D.
PROFESSOR & HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR, KOVILPATTI

ANNEXURE

SUGGESTIONS IN SYLLABI FOR THIRD AND FINAL YEAR B.E. (EEE) DEGREE COURSE OFFERED UNDER REGULATION 2013

Sl. No.	Subject Name	Suggestions
1.	Transmission and Distribution	<ul style="list-style-type: none"> • Course outcome 2 may be changed to highlight electrical design. • Course outcome 2 and 3 may be combined. • Course outcome for unit 5 may be included. • In unit 1, content related with FACTS may be treated as qualitatively.
2.	Control Systems	<ul style="list-style-type: none"> • Title of the subject may be changed to "Control Engineering".
3.	High Voltage Engineering	<ul style="list-style-type: none"> • In unit 5, standards may be included.
4.	Power System Analysis	<ul style="list-style-type: none"> • In unit 5, remove the topic related with multi machine stability by R-K method. • In reference part, books by Stagg and Praba kundur may be replaced with book authored by C.L. Wadwa and Chakarabarty.
5.	Power Electronics	<ul style="list-style-type: none"> • In unit 5, matrix converter may be removed.
6.	Microprocessor and Microcontroller	<ul style="list-style-type: none"> • Title of the subject may be changed to "Microprocessor and Microcontroller and its Applications".
7.	Protection and Switchgear	<ul style="list-style-type: none"> • Unit 5 title may be changed to "Numerical Relays" • Unit order may be changed. • In unit 5, "Generalized mathematical expression for distance relay" may be removed.
8.	Embedded Based System Design	<ul style="list-style-type: none"> • Title of the subject may be changed to "Embedded System Design".
9.	High Voltage and Power System Laboratory	<ul style="list-style-type: none"> • Title may be changed to "Power System Simulation and High Voltage Laboratory". • Experiment related with economic dispatch may be removed. Instead of that stability related experiment may be included.
10.	Utilization and Conservation of Electrical Energy	<ul style="list-style-type: none"> • In unit 2, the economics related with power factor improvement may be removed. • In unit 3, energy efficient lamps content may be specified as LED, CFL and etc.
11.	Switched Mode Power Conversions	<ul style="list-style-type: none"> • Topics in unit 5 may be increased.
12.	Power System Operation and Control	<ul style="list-style-type: none"> • Reference book 3 may be included in Text book. • Book by Elgerd may be moved to reference from text book.

13.	EHV Power Transmission	<ul style="list-style-type: none"> • More Reference may be added.
14.	Soft Computing for Electrical Engineering	<ul style="list-style-type: none"> • Reference books may be added. • Book by S.N.S. Deepa may be included in Reference list.
15.	Soft Computing for Electrical Engineering Laboratory	<ul style="list-style-type: none"> • Course outcome 1 may be changed.
16.	Embedded System Laboratory	<ul style="list-style-type: none"> • Course outcome 2 may be changed.

GENERAL SUGGESTIONS IN REGULATION 2013

1. In Elective Laboratory, PLC and DCS Laboratory may be included.
2. In inter disciplinary electives, computer network subject may be included.
3. In trans disciplinary electives, subject related with law (business or general) may be included.
4. For the evaluations of trans disciplinary electives, viva, case studies may be considered instead of traditional examinations.

SUGGESTIONS IN CURRICULUM AND SYLLABI FOR M.E. (HVE) DEGREE COURSE OFFERED UNDER REGULATION 2015

1. In semester 1, Subject title of Dielectric Engineering may be modified to include insulations.
2. Course outcomes for all subjects may be added.

SUGGESTIONS IN CURRICULUM FOR B.E. (EEE) DEGREE COURSE OFFERED UNDER REGULATION 2015

1. In semester 2, title of subject "Computing in C" may be modified.
2. Subject title "Power System – I" and "Power System – II" may be modified as "Electrical Power System" and "Power System Protection, Operation and Control".
3. Title for "Power System and High Voltage Laboratory" may be modified as "Power System Simulation and High Voltage Laboratory".
4. Subject related with legislative law may be included in curriculum.

N. M. J.

Chairman/ EEE Board

DR. M. S. ...
PROF. ...
DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING
NATIONAL ENGINEERING COLLEGE
K. S. NAGAR, KOVILPATTI

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – FIFTH BOARD OF STUDIES MEETING

Department of Electronics and Instrumentation Engineering

Fifth Board of Studies meeting for the Department of Electronics and Instrumentation Engineering was held on 06/04/2015 (Monday) at Conference Hall of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr.A.Abudhahir, Prof. & Head, the Chairman of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

- | | | |
|--|---|--------------------|
| Dr.V.Subbiah Bharathi
Dean
SRM University
Bharathi Salai
Ramapuram, Chennai – 600 089. | - | External Member |
| Dr. S.Edward Rajan
Professor
Department of Electrical and Electronics Engineering
Mepco Schlenk Engineering College
Sivakasi - 626 005. | - | External Member |
| Dr.Ranganath Muthu
Professor
Department of Instrumentation Engineering
SSN College of Engineering
Kaiyakkam Village,
Thiruporur Post Office, Chankipattu Taluk,
Kancheepuram Dt. – 603 110. | - | University Nominee |
| Mr.R.Selvashankar
General Manager
Sterlite Industries
Tuticorin, Tamilnadu – 628 002 . | - | Industrial Experts |
| Dr.R.Kumar
Sr.Consultant
Wipro Technologies,
Sholinganallur, Chennai – 600 119. | - | Industrial Experts |

Dr.G.S.R.Emilselvan Assistant Professor Department of Information Technology Thiagarajar College of Engineering Madurai - 625 015	-	Meritoric as Alumnus
Dr.A.Abudhahir Professor & Head	-	Chairman
Dr.B.Sankaragomathi Professor & Dean (Academic)	-	Member
Mr.Jackson Daniel Associate Professor	-	Member
Mr.K.Shankar Associate Professor	-	Member
Dr.D.Santhi Associate Professor	-	Member
Mr.V.Suresh Associate Professor	-	Member
Mr.S.Manikandan Assistant Professor (SG)	-	Member (Special Invitee)
Ms.M.Carmel Sobia Assistant Professor (SG)	-	Member
Ms.A.Geetha Assistant Professor (SG)	-	Member

Special Invitees

Dr.Kn.K.S.K.Chockalingam
Director

Dr.S.Shanmugavel
Principal

**05.01: B.E. (EIE) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR
THIRD YEAR**

Curriculum and Syllabi for Third year B.E. –Electronics and Instrumentation Engineering department under Regulations-2013 were presented by **Mr.K.Shankar, Associate Professor**

REGD. B.E. (EIE) – REGULATIONS - 2015 CURRICULUM

Curriculum for First year to Final year B.E. – Electronics and Instrumentation Engineering department Regulations-2015 under CBCS were presented by **Dr.A.Abudhabir, Prof. & Head,** **Mr.Jackson Daniel, Asso.Prof., Dr.D.Santhi, Asso.Prof. & Mr.V.Suresh, Asso.Prof.**

REGD. M.E. (C&I) – REGULATIONS - 2015 CURRICULUM AND SYLLABI

Curriculum and Syllabi for M.E. – Control and Instrumentation Engineering department Regulations-2015 under CBCS were presented by **Mr.S.Manikandan, Assistant Professor(SG).**

- ✓ The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for Third year B.E. (EIE) degree course offered under Regulations 2013.
 - b) The Curriculum for B.E. (EIE) degree course offered Regulations 2015 under CBCS.
 - c) The Curriculum and Syllabi for M.E. (C&I) degree course offered Regulations 2015 under CBCS.

Refer Annexure for the suggestions given by the BOS members.

Mrs.M.Carmel Sobia, AP(SG) thanked all the members for their kind cooperation and the meeting came to an end.


Chairman / EIE Board

Dr. A. ABUDHABIR,
B.E.S.PAD, M.E.S.TE, E.I.E.
Professor & Head
Dept. of Electronics and Instrumentation
Nalatal Engineering College
K.R. Nagar, Kovilpatti - 628 512.

ANNEXURE

Suggestions

The members of EIE board of studies suggested the following modifications for respective courses:

Regulation 2015 UG

S. No.	Semester	Name of the course	Modification suggested by the members
1	IV & V	<ul style="list-style-type: none">Industrial Instrumentation - IIndustrial Instrumentation-IIAnalytical InstrumentationEnvironmental Science and Instrumentation	Make 3 courses instead of four
2		Electrical Machines	Include this course as core course
3		Special Electrical Machines	Include this course as elective course
4	IV	Electrical and Electronic Measurements and Instrumentation	Change the title of the course as Electrical Measurement and Electronic Instrumentation
5	V	Process Control	Include Digital Control Topics
6	VI	Testing and Calibration of Instruments	1. Shift the course from VII semester to VI semester. 2. Assign Lecture - 2 and Practical - 2 instead of Lecture - 3
7	VII	Project Management	Shift the course from VI semester to VII semester


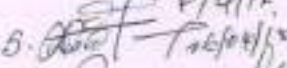
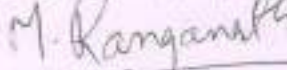
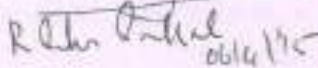

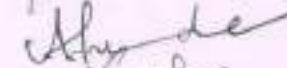
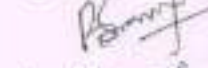



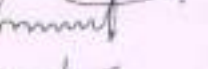
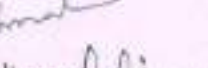
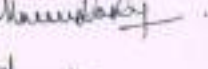
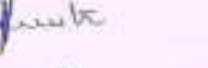


Regulation 2015 PG

S. No.	Semester	Name of the course	Modification suggested by the members
1	I	Applied Mathematics for Electrical Engineers	Change the title of the course as Higher Engineering Mathematics
2	II & III	Wireless Sensor Networks	Include this course as elective course
3	II	Soft Computing Techniques	Shift this course to list of core courses
4	II	Nonlinear Control	Shift this course to list of elective courses

Regulation 2013 UG

S. No.	Course code	Semester	Name of the course	Modification suggested by the members
1	EEEM4	V	Modern Control Systems	Include Digital Control Algorithms in third unit.
2	EEIE65	VI	Product Design and Development	Include more topics related to IPR
3	EEIEAF	VI	Aircraft Instrumentation	Change title of the course as Aeronautical Instrumentation

Members Present

- Dr. V. Subbiah Bharathi 
- Dr. S. Edward Rajan  6/4/15
- Dr. Ranganath Muthu  M. Ranganath
- Mr. R. Selvashankar  R. Selvashankar 06/4/15
- Dr. G. S. R. Emilselvan 
- Dr. A. Abadhahir  A. Abadhahir
- Dr. B. Sankaragomathi  B. Sankaragomathi
- Mr. Jackson Daniel  Jackson Daniel
- Mr. K. Shankar  K. Shankar
- Dr. D. Santhi  D. Santhi
- Mr. V. Suresh  V. Suresh
- Mr. S. Manikandan  S. Manikandan
- Ms. M. Carmel Sobia  M. Carmel Sobia
- Ms. A. Geetha  A. Geetha
- Dr. K. K. S. K. Chockalingam  K. K. S. K. Chockalingam 6.4.15
- Dr. S. Shanmugavel  S. Shanmugavel


Chairman / EIE Board

Dr. A. ABUDHANI,
M.A., Ph.D., M.T.E., M.E.,
Professor & Head
Dept. of Electronics and Instrumentation
National Engineering College
K.R. Nagar, Kovilpattur - 625 023.

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – THIRD BOARD OF STUDIES MEETING

Department of Civil Engineering

Third Board of Studies meeting for the Department of Civil Engineering was held on 04/04/2015 (Saturday) at Civil Engineering Department of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr.C.Puthiyasekar, Prof & HOD, the Chairman of the Board of Studies welcomed the members for their presence.

The members introduced themselves.

BOS Members:

Dr.K.Arunachalam Prof. & Head / Civil Thiagarajar College of Engineering Madurai – 15.	- External Member
Dr.K.Nagamani Professor / Civil Engg. Division of Structural Engineering Anna University Chennai – 600 025.	- External Member
Dr.S.Selvan Joint Chief Environmental Engineer Tamil Nadu Pollution Control Board D.V.Complex Nehru Street, Erode – 1.	- External Member
Dr.C.Puthiyasekar Prof. & Head / Civil	- Chairman
Ms.R.Venkada Lakshmi Assistant Professor	- Member
Mr.G.Petchiappan @ Balaji Assistant Professor	- Member
Mr.S.Sebastin Assistant Professor	- Member

Ms.A.Kanimozhi - Member
Assistant Professor

Ms.A.Lilly Joice - Member
Assistant Professor

Special Invitees

Dr.Kn.K.S.K.Chockalingam
Director

Dr.S.Shannugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

**03.01: B.E. (Civil) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR
THIRD AND FINAL YEAR**

Curriculum and Syllabi for Third and Final year B.E. – Civil Engineering Department under Regulations – 2013 were presented by **Mr.G.Petchiappan @ Balaji, Assistant Professor.**

03.02: B.E. (Civil) – REGULATIONS - 2015 CURRICULUM

Curriculum for First year to Final year B.E. – Civil Engineering Department with Regulations – 2015 under CBCS were presented by **Mr.G.Petchiappan @ Balaji, Assistant Professor.**

- ✓ The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
- ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for Third and Final year B.E. (Civil) degree course offered under Regulations 2013.
 - b) The Curriculum for First year to Final year B.E. (Civil) degree course offered under Regulations 2015 under CBCS.

Refer Annexure for the suggestions given by the BOS members.

ANY OTHER MATTER

- NIL

Ms.R.Venkada Lakshmi, Assistant Professor thanked all the members for their kind cooperation and the meeting came to an end.



Chairman / Civil Board

PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR - 628 593.

ANNEXURE

Suggestions :

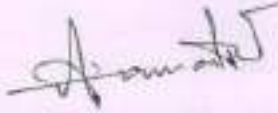
1. 13CE54-Environmental Engineering I, the title may be changed to **Water Supply treatment and management**. Under Unit V - recommended to add Ozonation and UV methods of treatment for disinfection.
2. 13CE65-Environmental Engineering II, the title may be changed to **Waste Water treatment and management**
3. 13CEDA – Environmental impact assessment – Under Unit V , Suggested to add Gas Oil pipeline , Petro chemical industries and township
4. 13CEDB – Industrial waste management ,title of the fifth unit may be changed from **Hazardous waste management to Hazardous solid waste management**
5. 13CE66 – Irrigation Engineering , suggested to add water quality standards for irrigation water
6. 13CE62 – Structural Analysis –II, suggested to mention the redundancy restricted to two
7. 13CE61-Design of reinforced concrete and brick masonry structures – Under Unit II - recommended to add equilibrium method in Yield line theory
8. 13CE71 - Prestressed concrete structures – Under unit – III , Continuous beam is to be added along with Simply supported beams
9. 13CE59- Concrete and highway engineering lab , the committee suggest the board to add bulking of sand experiment


Chairman / Civil Board

PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR - 628 503

Members Present

Dr.K.Arunchalam



Dr.K.Nagamani

4/4/15

Dr.S.Selvan



Dr.C.Puthiyasekar



Ms.R.Venkada Lakshmi



Mr.G.Petchiappan @ Balaji



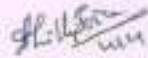
Mr.S.Sebastin



Ms.A.Karimozhi



Ms.A.Lilly Joice



Dr.Kn.K.S.K.Chockalingam



Dr.S.Shanmugavel



Dr.B.Sankaragomathi



Chairman / Civil Board

PROFESSOR & HEAD
DEPARTMENT OF CIVIL ENGINEERING
NATIONAL ENGINEERING COLLEGE
K.R. NAGAR - 628 503.

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution Affiliated to Anna University Chennai)

MINUTES – FIFTH BOARD OF STUDIES MEETING

Department of Information Technology

Fifth Board of Studies meeting for the Department of Information Technology was held on 28/03/2015 (Saturday) at Conference Hall of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Mr.M.Kaliappan, Assistant Professor (SG), the member of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

Dr.R.Venkatasani Professor & Head Department of Computer Science and Engineering PSG College of Technology Peelamedu, Coimbatore - 641004	-	External Member
Dr.S.Baulkani Associate Professor / Dept. of ECE Government College of Engineering Tirunelveli – 627 007	-	External Member
Dr.L.Ganesan Professor & Head Department of Computer Science and Engineering Alagappa Chettiar College of Engineering and Technology Karaikudi – 630 004	-	External Member
Mr.Murugasamy Sadalappan Vice President Sciseshaa Technologies Private Limited Adyar, Chennai – 600 020	-	External Member
Mr.Roy Antony Arnold George Charles Senior Member, Education and Research Infosys Ltd, Techno Park SEZ, Chengalpet, Kancheepuram District – 603002	-	External Member
Dr.D.Manimegalai Prof. & Head	-	Chairman
Dr.S.Sunkar Ganesh Associate Professor	-	Member

A.H.Ragamathunisa Begum Associate Professor	-	Member
Mr.R.Muthu Kumar Assistant Professor (SG)	-	Member
Mr.M.Kaliappan Assistant Professor (SG)	-	Member

Special Invitees

Dr.Kn.K.S.K.Chockalingam
Director

Dr.S.Shanmugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

05.01: B.Tech. (IT) – REGULATIONS - 2013 CURRICULUM AND SYLLABI FOR THIRD YEAR

Curriculum and Syllabi for third year B.Tech. – Information Technology department under Regulations-2013 were presented by **Dr.S.Sankar Ganesh**, Associate Professor, Member of the Board of Studies.

05.02: B.Tech. (IT) – REGULATIONS - 2015 CURRICULUM

Curriculum for first year to final year B.Tech. – Information Technology department Regulations-2015 under CBCS were presented by **Mr.R.Muthukumar**, Assistant Professor (SG), Member of the Board of Studies.

05.03: M.E. (COMMUNICATION AND NETWORKING) – REGULATIONS - 2015

Curriculum and Syllabi for M.E. (Communication and Networking) Regulations-2015 under CBCS were presented by **Ms.A.H.Ragamathunisa Begum**, Associate Professor, Member of the Board of Studies.

- ✓ The members had a brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in the Curriculum and Syllabi.
 - ✓ Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.
 - a) The Curriculum and Syllabi for third year B.Tech. (IT) degree course offered under Regulations-2013.
 - b) The Curriculum for first year to final year B.Tech. (IT) degree course offered Regulations-2015 under CBCS.
 - c) The Curriculum and Syllabi for M.E. (Communication and Networking) degree course offered Regulations-2015 under CBCS.
- Refer Annexure for the suggestions given by the BOS members.

Any Other Matter

Regulations 2013

B.TECH (Information Technology)

- 13IT42 Design and Analysis of Algorithms renamed as Algorithm Analysis and Design.

M.E.(Communication and Networking)


- CCE3K Ophthalmology – Retina and Vitreous (Special Elective)

Regulations 2011

B.TECH (Information Technology)

- BIT006 Mobility with Android course code changed to BIT733 with L T P C – 0 0 3 2.
- BIT701 – Information Theory and Coding L T P C – 3 0 0 3 changed to 3 1 0 4.

Ms.P.Subbulakshmi, Assistant Professor/IT department thanked all the members for their kind cooperation and the meeting came to an end.


Chairman / IT Board

Dr. D. MANIMEGALAI, M.E., Ph.D.
Professor & Head
Department of Information Technology
National Engineering College
K. P. Alagar Street, Salem - 676 005

Members Present

Dr.R.Venkatasan

Venkatasan
28/3/15

Dr.S.Baulkani

S. Baulkani
28/3/15

Dr.L.Ganesan

L. Ganesan

Mr.Muthusamy Sadaiappan

M. Sadaiappan

Mr.Roy Antony Arnold George Charles

Roy Antony Arnold George Charles

Dr.D.Manimegalai

D. Manimegalai

Dr.S.Sankar Ganesh

S. Sankar Ganesh

Ms.A.H.Ragumathunisha Begum

A.H. Ragumathunisha Begum

Mr.R.Muthu Kumar

R. Muthu Kumar

Mr.M.Kaliappan

M. Kaliappan

Dr.Kn.K.S.K.Chockalingam

Chockalingam
28/3/15

Dr.S.Shanmugavel

S. Shanmugavel

Dr.B.Sankaragomathi

B. Sankaragomathi

D. Manimegalai
Chairman / IT Board

D. MANIMEGALAI, M.E., Ph.D.
Professor & Head
Department of Information Technology
National Engineering College
K.R. Nagar, Kovilpatti - 626 502

National Engineering College, K.R.Nagar, Kovilpatti – 628 503

(An Autonomous Institution)

Department of Information Technology – Fifth Board of Studies Meeting

Suggestions given by BOS Members for R2013 - UG

1. In System Programming and Operating Systems, File System Management can be included as one unit and Linux case studies may also be given. Tutorial hour may be changed as practical hour and practical assignments may be given.
2. Software Engineering Methodology can be renamed as Software Engineering Since the content is too heavy.
3. Java Programming Syllabus may be reframed (Remove JDBC, RMI, AWT and introduce Java Framework).

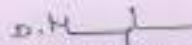
Suggestions given by BOS Members for R2015 – UG

1. Engineering Graphics may be assigned with 4 hours for Practical session, Previously it was assigned as 2 Hours for Practical and 2 hours for Theory.
2. In Third semester Communication technologies subject may be renamed as Principles of Data Communication.
3. In Third semester Ethics for IT may be included, Previously it was allocated in Fourth semester.
4. In fourth semester Software Engineering may be included, Previously it was allocated in Third semester.
5. In fourth semester Green IT may be included ,Previously it was allocated in Fifth semester.
6. In Sixth Semester Software Project management may be included ,Previously it was allocated in Fourth semester.
7. In Fifth Semester Computer Networks and Computer Networks Laboratory may be included ,Previously it was allocated in Fourth semester.
8. In Sixth Semester Software Project management may be included ,Previously it was allocated in Fourth semester
9. In Fifth Semester Technology in Health care may be removed ,Instead of that Embedded systems may be included in Fifth semester
10. In Sixth Semester Mobility Engineering may be renamed as Enterprise Mobility

11. Data Mining, Scripting Languages may be included in the elective list and it may be removed from core subject list.
12. In Sixth Semester Data Analytics and Business Intelligence and Data Analytics Laboratory may be included.

Suggestions given by BOS Members for R2015 – PG

1. In First Semester Communication Techniques may be renamed as Digital Communication and syllabus may be reframed accordingly.
2. In First Semester High Performance Computer Networks may be renamed as Advanced Computer Networks and syllabus may be reframed accordingly.
3. In First Semester soft computing may be moved to elective list and Data Communication and Networking may be included in the core list.
4. The following List of subjects may be added in the elective list
 - a. Cyber security
 - b. Information Security
 - c. Big Data Analytics
 - d. Cognitive Radio Networks
 - e. Adhoc Networks


Board Chairman

D. M. MANJULA, M.E., Ph.D.
Professor & Head
Department of Information Technology
National Engineering College
K.R. Nagar, Kovvur - 528 003.

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution Affiliated to Anna University Chennai)

BOARD OF STUDIES MEETING MINUTES

Department of Science & Humanities

Board of Studies meeting for the Department of Science & Humanities was held on 11/04/2015 (Saturday) at 10.30 A.M in the Conference Hall of National Engineering College, K.R.Nagar, Kovilpatti.

BUSINESS BROUGHT FORWARD BY THE CHAIRMAN

Dr.M.A.Neelakantan, Professor & Head / S&H, the Chairman of the Board of Studies welcomed the members for their presence. As the Chairman requested, the members introduced themselves.

BOS Members:

Dr. D.Mohan Professor, Director, Centre for Faculty Development Anna University Chennai – 600 025	-	University Nominee
Dr. P.Kannan Professor & Head / Chemistry Anna University Chennai – 600 025	-	External Member
Dr. S.Narayana Kalkura Professor / Physics Crystal Growth Centre Anna University Chennai – 600 025	-	External Member
Dr.R.Moharraj Assistant Professor / Mathematics University VOC College of Engineering Thoothukudi - 628 008z	-	External Member
Dr.Albert P'Rayan Professor / English & Head Higher Education Cell, KCG College of Technology, Rajiv Gandhi Salai, Karapakkam, Chennai - 600 097	-	External Member
Dr.M.A.Neelakantan Professor & Head / S&H	-	Chairman

Prof.S.Rammurthy Professor / Mathematics	-	Member
Ms.S.Geetha Assistant Professor (SG) / Mathematics	-	Member
Mr.R.Antonyamy Assistant Professor (SG) / Mathematics	-	Member
Ms.P.Gomathy Assistant Professor / Physics	-	Member
Mr.J.Ashok Kumar Assistant Professor / Physics	-	Member
Dr.S.S.Mariappan Asso. Prof. (SG) / Chemistry	-	Member
Ms.V.Latha Assistant Professor (SG) / Chemistry	-	Member
Ms.S.D.Selvasundari Assistant Professor / English	-	Member

Special Invitees

Dr.S.Sharmugavel
Principal

Dr.B.Sankaragomathi
Dean (Academic)

**02.01. B.E. / B.Tech., DEGREE – CURRICULUM AND SYLLABI FOR FIRST YEAR –
REGULATIONS-2015 UNDER CBCS**

- Dr.M.A.Neelakantan, Prof. & Head / Sci. & Hum., Chairman of the Board of Studies, presented the overall structure of the curriculum for first and second semester of different programmes under regulation 2015.
- Ms.S.D.Selvasundari, Assistant Professor, member of Board of Studies in English presented detailed English syllabi content for various programmes.
- Mr.R.Antonysamy, Assistant Professor (SG), member of Board of Studies in Mathematics presented detailed Mathematics syllabi content for various programmes.
- Ms.P.Gomathy, Assistant Professor, member of Board of Studies in Physics presented detailed Physics syllabi content for various programmes.
- Dr.S.S.Mariappan, Asso. Prof. (SG), member of Board of Studies in Chemistry presented a detailed Chemistry, Environmental Science and Engineering syllabi content for various programmes.
- The members had the brainstorming discussion and interaction among them. After fruitful discussion, relevant comments were incorporated appropriately in Curriculum and Syllabi curriculum for first and second semester of different programmes under regulation 2015.
- Based on the suggestions given by the members, BOS resolved to approve the Curriculum and Syllabi for the first year B.E. / B.Tech., degree courses offered Regulations-2015.

Prof.S.Rammurthy, Member, Board of Studies, thanked all the members for their useful suggestions and kind cooperation. The meeting came to an end at 01.30 P.M.


Chairman / Science & Humanities

Dr.M.A.Neelakantan M.B.A.,M.PH.D.,M.Ed.
Professor & Head
Department of Science & Humanities
National Engineering College (Autonomous)
K.R.Nagar, Kovilpatti - 628 503.

Members Present:

Dr. D.Mohan

D. Mohan

Dr. P.Kannan

P. Kannan 11/4/15

Dr. S. Narayana Kalkura

S. Narayana Kalkura
11/04/2015

Dr. R.Mohanraj

R. Mohanraj

Dr. Albert P'Rayan

Albert P'Rayan

Dr. M.A.Neelakantan

M.A. Neelakantan

Prof. S.Ramanurthy

S. Ramanurthy

Ms. S.Geetha

S. Geetha

Mr. R. Antony samy

R. Antony samy
11/4/15

Ms. P.Gomathy

P. Gomathy
11/4/15

Mr. J.Ashok Kumar

J. Ashok Kumar

Dr. S.S.Mariappan

S.S. Mariappan

Ms. V.Latha

V. Latha

Ms. S.D.Selvasundari

S.D. Selvasundari

Special Invitees

Dr. S. Shanmugavel

S. Shanmugavel

Dr. B. Sankaragomathi

B. Sankaragomathi

M.A. Neelakantan
11.4.15
Chairman / Science & Humanities

Dr. M.A. Neelakantan
Professor & Head
Department of Science & Humanities
National Engineering College (Autonomous)
K.R. Nagar, Kovilpatti - 628 503.

**National Engineering College, K.R.Nagar, Kovilpatti
(An Autonomous Institution)**

Minutes for Board of Studies Meeting

13.04.2015

Board of Studies meeting was held on 11.04.2015 to discuss about Regulation 2015 syllabus. The Principal, The Head, Department of Science and Humanities, Anna University Nominee, External members from various colleges and the Staff members were present for the meeting. The suggestions by the members are given below:

English

Course Title	Suggestions Given
Technical English	<ul style="list-style-type: none"> • CO3 can be redefined. • CO4 and CO5 could be clubbed together. • CO5 to be formulated new. • Recommended to plan and prepare our own work book.
Professional English	<ul style="list-style-type: none"> • Checklist and Process description can be added for Technical English. • Expand the time to 45 hours i.e. English can be given 3 Credits.

Mathematics

Course Title	Suggestions Given
Mathematical Equation for Engineers	<ul style="list-style-type: none"> • In Unit 2, the topic "Planes" may be changed as "Planes and Lines".
Computational methods with Algorithm	<ul style="list-style-type: none"> • The language can be mentioned in the topic. Like "Computational methods with Algorithm in C/C++". • The units 2 and 3 may be clubbed and "Boundary value problems" may be introduced in Unit 5.
Calculus and Laplace Transforms	<ul style="list-style-type: none"> • The units 4 and 5 may be clubbed and unit 5 may have the applications of Laplace transform
Probability and Statistics	<ul style="list-style-type: none"> • In Unit I, Poisson and Normal Distribution may be introduced.
Calculus, Probability and Statistics	<ul style="list-style-type: none"> • Include Normal Distribution.
Discrete Structures(IT)	<ul style="list-style-type: none"> • Probability and statistics course could be included for II Semester. • Discrete Structures may be taught in III semester.
Calculus and Transforms	<ul style="list-style-type: none"> • Solving the differential Equation to be included. • Include Envelops.

Physics

Course Title	Suggestions Given
(I Semester) Quantum Physics and Microscopy	<ul style="list-style-type: none"> • AFM may be included in Microscopy.
(II Semester) Magnetic Materials	<ul style="list-style-type: none"> • Spintronics may be included.
Semiconductor Physics	<ul style="list-style-type: none"> • Blue LEDs can be added.
Applied Physics	<ul style="list-style-type: none"> • The title may be changed as "Physics for Civil Engineering"
New Engineering Materials	<ul style="list-style-type: none"> • Add Carbon Nano Tube - Graphene

Chemistry

Course Title	Suggestions Given
Semester I Engineering Chemistry	<ul style="list-style-type: none"> • Unit I - Include Electro Dialysis • Unit III - Instead of "Fabrication", "Processing" may be used. • Unit IV - Toxic effect of Nano materials to be added.
Semester II Applied Chemistry (Mechanical)	<ul style="list-style-type: none"> • The title can be changed as "Chemistry for Mechanical Engineering" • Unit I - Introduction may be given to one component system. • Unit II - EMF series may be added. • Unit IV - Include Cetane number.
Chemistry Lab II	<ul style="list-style-type: none"> • Estimation of the amount of free acid of a given oil sample may be included. • Measurement of Iodine value of oil can be added.
Environmental Science Laboratory	<ul style="list-style-type: none"> • Change the title to "Environmental Chemistry Laboratory".
<ul style="list-style-type: none"> • "Applied chemistry" (Civil) can be changed to "Chemistry for Civil Engineering". • 2 text books and 4 or more than 4 reference book is necessary • Include the new edition for S.S.Dara's book. 	

Board Chairman

(Handwritten signature)

Dr. N. A. Hasubalabadi
 Professor & Head
 Department of Science & Humanities
 National Engineering College (Autonomous)
 K.R.Nagar, Kovvur - 528 503