

BAPATLA ENGINEERING COLLEGE : BAPATLA
(Autonomous)
SCHEME OF INSTRUCTION & EXAMINATION (Semester System)
For
Electronics and Communication Engineering

Minutes of the Board of Studies of Electronics and Communication Engineering meeting
held at 10.30 A.M. on 16-08-2014

The Board of Studies of Electronics and Communication Engineering meeting held at 10.30 A.M. on 16-08-2014 in the chambers of the Head, E.C.E. Department, Bapatla Engineering College, Bapatla The agenda is

01. To review the present curriculum
02. To propose new courses for 2014-2015 batch curriculum
03. Any other matter with permission of chair

Members present for the Meeting are

- (1) Dr. N.Venkateswara Rao, Prof. & Head, E.C.E. Department, Bapatla Engineering College, Bapatla- Chairman
- (2) Dr. B.Chandra mohan, Prof. & Dean Academics, Bapatla Engineering College, Bapatla- Member
- (3) Dr. P. Siddaiah, Dean, Faculty of Engg., ANU, Guntur- Member
- (4) Dr. A. Sudhakar, Principal, RVR & JC College of Engg., Guntur- Member
- (5) Dr. K. Veera Swamy, Principal, QISCE, Ongole- Member
- (6) Sri A. Satish Kumar, Firm ware Engineer, Efftronics, Vijayawada- Member
- (7) Sri Y. Ravi Teja, Development Engineer, Qualocomm India Pvt Ltd., Hyd- Member
- (8) All faculty members of E.C.E. Department, Bapatla Engineering College, Bapatla.

The minutes are listed below:

1. Semester-III

- (i) Signals and Systems and Network analysis and Synthesis subjects are interchanged in III and IV Semesters.
- (ii) Circuit Theory subject is placed in place of Electromagnetic Field Theory subject which is shifted to IV Semester.

2. Semester-IV

- (i) Electrical technology subject is removed as is covered in Basic Electrical and Electronics Engineering subject in I Semester.
- (ii) Analog Communication and Transmission lines Subjects are interchanged in IV and V Semesters
- (iii) Title of Electronic Measurements and Instrumentation subject is renamed as Basic Instrumentation.

3. Semester-V

- (i) Linear Integrated Circuits and Applications is renamed as Linear Integrated Circuit.
- (ii) Transmission lines and waveguides subject is renamed as EM Waves and transmission lines.
- (iii) Pulse and Switching Circuits subject along with three other new subjects were introduced as Elective-I.
- (iv) Pulse and IC's Lab is renamed as Integrated Circuits Lab.
- (v) Elective-I subjects are :
 - (a) 14EC506 (A) Pulse and switching circuits
 - (b) 14EC506 (B) Probability & Stochastic Process
 - (c) 14EC506 (C) Linear Algebra
 - (d) 14EC506 (D) Discrete Mathematics

4. Semester-VI

- (i) OOPS with Java introduced in place of OOPS with C⁺⁺.
- (ii) Four new subjects are introduced in Elective-II
- (iii) Elective-II is introduced. The subjects are
 - (a) 14EC606 (A) –Computer Organization and Architecture

- (b) 14EC606 (B) – Communication Systems
- (c) 14EC606 (C) – Biomedical Electronics
- (d) 14EC606 (D) – Robotics

5. Semester-VII

- (i) Microwave Engineering subject title is changed as Microwave Theory and techniques.
- (ii) New lab titled Signal and Image Processing Lab using Scilab is introduced in place of Digital signal Processing Lab.
- (iii) Elective-III and Open Electives are introduced. The subjects are

Elective – III:

- (a) 14EC705 (A) – Communication Networks
- (b) 14EC705 (B) – Fuzzy Logic
- (c) 14EC705 (C) – Global Positioning System and applications
- (d) 14EC705 (D) – Digital Image Processing

Open Elective :

- (a) 14EC706 (A) - Embedded Systems
- (b) 14EC706 (B) – Consumer Electronics

6. Semester-VIII

- (i) Radar and Navigational Aids subject title is changed as Radar Engineering.
- (ii) Optical Communications subject title is changed as Fiber Optic Communications
- (iii) Elective-IV and Elective-V are introduced. The subjects are

Elective – IV:

- (a) 14EC803 (A) – Artificial Intelligence and Machine Learning
- (b) 14EC803 (B) – Speech and Audio Processing
- (c) 14EC803 (C) – Information Theory and Coding
- (d) 14EC803 (D) – Mobile Communication

Elective – V:

- (a) 14EC804 (A) – Neural Networks
- (b) 14EC804 (B) – Advanced Microprocessors
- (c) 14EC804 (C) – Software Defined Radio
- (d) 14EC804 (D) – Adaptive Signal processing

Members present:

1.	Dr. N.Venkateswara Rao, Prof. & Head, E.C.E. Department, Bapatla Engineering College, Bapatla.	Chairman	N. Venkateswara Rao 16/8/14
2.	Dr. B.Chandra Mohan, Prof. & Dean Academics, Bapatla Engineering College, Bapatla	Member	B. Chandra Mohan 16/8/14
3.	Dr. P. Siddaiah, Dean, Faculty of Engg., ANU, Guntur	Member	P. Siddaiah 16/8/14
4.	Dr. A. Sudhakar, Principal, RVR & JC College of Engg., Guntur	Member	A. Sudhakar 16/8/14
5.	Dr. K. Veera Swamy, Principal, QISCE, Ongole	Member	K. Veera Swamy 16/8/14
6.	Sri A. Satish Kumar, Firm ware Engineer, Efftronics, Vijayawada	Member	A. Satish Kumar 16/8/14
7.	Sri Y. Ravi Teja, Development Engineer, Qualocomm India Pvt Ltd., Hyd	Member	Y. Ravi Teja 16/8/14
8.	K.Sambasiva Rao, Asooc. Prof, E.C.E. Department, Bapatla Engineering College, Bapatla	Member	K. Sambasiva Rao 16/8/14
9.	P.Surendra Kumar, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	P. Surendra Kumar 16/8/14
10.	CH.Altaff Hussain, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	CH. Altaff Hussain 16/8/14
11.	T.Krishna Chaitanya, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	T. Krishna Chaitanya 16/8/14
12.	SK.M.Subhani, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	SK. M. Subhani 16/8/14
13.	D.Swetha, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	D. Swetha 16/8/14
14.	M.Suneel, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	M. Suneel 16/8/14
15.	M.Baby, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla.	Member	M. Baby 16/8/2014
16.	B.Surendra Babu, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	B. Surendra Babu 16/8/2014
17.	SK.Idrishi, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	SK. Idrishi 16/8/2014
18.	P.P.M.Prasad, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	P. P. M. Prasad 16/8/2014
19.	K.Balavani, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	K. Balavani 16/8/2014

20.	N.V.Sudheer, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	N.V. Sudheer
21.	CH.V.M.S.N.Pavan Kumar, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	SP Kumar 16/8/14
22.	Md.Taj, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	Taj
23.	A.Krishna Chaitanya, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	Chaitanya 16/8/2014
24.	V.Anil Kumar, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	Anil Kumar
25.	N.Naga Swathi, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	Swathi 16/8/14
26.	B.Anusha bai, Asst. Prof. E.C.E. Department, Bapatla Engineering College, Bapatla	Member	Anusha R 16/8/14