PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dt., A.P. – 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with 'A' Grade)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act, 1956)

Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

Learning is Supreme Deity

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

18-01-2021

PEC/ECE/Circular/BoS/2019-20/1

CIRCULAR

All the members of Board of Studies (BoS)are here by informed that there will be a meeting on 21-01-2021 for discussing the following agenda.

Agenda:

1. Welcome Address by BoS-Chairman.
2. Ratification of III- and IV-years syllabus of R19 regulation for B Tech program.
3. Ratification of I year R-20 regulation course structure and syllabus for B Tech Program.
4. Discussion of ratification of new courses syllabi.
5. Discussion of ratification of course objectives, course outcomes, and CO-PO mapping
6. Ratification of the proposed model papers for internal and external examinations of theory courses.
7. Finalization of text books and reference books.
8. Discussion of action taken report as per suggestions given by stake holders.
9. Any other item

BoS Chairman

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

22-01-2021

The Department of Electronics and Communication Engineering 5th BoS meeting held on 21-01-2021. The following are the Resolutions and suggestion given by BoS experts.

RESOLUTIONS:

Considered Item no 2:

It is resolved to ratify the syllabi of R-19 regulation B Tech III and IV-year courses with the following modifications

III Year Courses:

1. Syllabus of Digital communications course and Information theory and coding course should be different. Remove all coding techniques from Digital Communications and add in Information theory and coding.

2. PLL applications and ADC converter experiments should be included in experiments list in Integrated Circuits laboratory course .

3. IoT related experiment should be included, PART B and PART C should be compulsory experiments in Microprocessors and Microcontrollers laboratory course.

4. Introduction to Computational tools concept should be included in Microwave Engineering course.

5. All the experiments in Microwave Engineering laboratory should be based on design and evaluation mechanism.

6. Rest of the courses are ratified as suggested by DC and PAC.

IV Year Courses:

1. Voice over data communication, network security and cryptography concepts should be included in Data Communications & Computer Networks course.

2. Video Processing protocols concept should be included in Digital Image Processing Course .

3. Signal transmission in transducers and Sensor networks concepts should be included in Electronic Measurements and Instrumentation course.

4. High Speed Devices threats concepts should be included in CPLD and FPGA Architecture course.

5. TinyOS, Actuator concepts, Energy protocols should be included in Wireless Sensors and Actuator Networks course.

6. Thermocouple experiment should be included in Electronic Measurements and Instrumentation Laboratory course.

7. Rests of the courses are ratified as suggested by DC and PAC.

Courses Offered to other branches/Open electives:

1. Minor modifications are suggested in the courses Linear and Digital IC Applications Laboratory, RFID Sensors and Data Acquisition.

2. Rest of the courses are ratified as suggested by DC and PAC.

Considered Item no 3:

1. It is resolved to ratify the year R-20 regulation course structure and syllabus for B-Tech Program without any modifications.

Considered Item no 4:

1. Total 26 new Courses were introduced in R19 Course structure of III and IV Year and their syllabus is ratified.

2. The number new courses introduced in R20 Course structure are 44 courses

Considered Item no 5:

1. Course objectives, Course outcomes and CO-PO mapping were reviewed and advised faculty members to verify the mapping again,

Considered Item no 6:

1. It is resolved to ratify the proposed internal and external examination question papers for R-20 regulation courses.

2. It is also suggested to identify examiners from reputed institutions like IITs, NITS, Reputed Universities and ratified faculty from Autonomous college (Preferably Doctorates) for Paper Valuation for end semester examination

Considered Item no 7:

1. It is resolved to include 2 text books and 3 reference books for every course of III and IV year in R-19 course structure.

Considered Item no 8:

1. BoS Chairman presented Action Taken report (ATR) on Curriculum feedback for Academic Year 2019-20 for discussion.
2. Based on the ATR , BoS Experts Suggested to incorporate Internship course, Skill oriented courses, entrepreneurship course as mandatory in R20 Course structure

Suggestions:

1. Fundamentals should be strong and methodologies adopted should enrich the knowledge of students.
2. Software Defined Radio should be procured for doing communication projects.
3. Every student alone should design and construct a mini project covering advanced topics.
4. Every lab must be on design oriented.

BoS Chairman
(Dr.D.Nagesh)