



PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E.G.Dr. A.P. - 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada)
(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act. 1956)

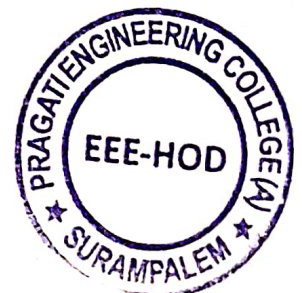
Ph: 08852 - 252233, 34. Website: www.pragati.ac.in

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Agenda for the Board of Studies Meeting B.Tech First year Regulations

1. Discussion on proposed course structure for R23 regulations
2. Discussion on proposed B.Tech first year courses syllabi of R23 and the ratification of the same
3. Ratification of the proposed model papers for internal and external examinations of both theory and laboratory courses
4. Discussion on the ratification of new courses introduced in R23 regulations
5. Discussion on the ratification of Course Objectives, Course Outcomes and CO-PO mapping
6. Finalization of text books and reference books
7. Discussion on Action Taken Report (ATR) as per suggestions given by the stake holders
8. Any other item.-
9. Vote of Thanks


BOS-Chairman



Pragati Engineering College (Autonomous)

Department of Electrical and Electronics Engineering

R23

COURSE STRUCTURE

INDUCTION PROGRAMME

S.No.	Course Name	Category	L	T	P	Credits
1	Physical Activities -- Sports, Yoga and Meditation, Plantation	MC	0	0	6	0
2	Career Counselling	MC	2	0	2	0
3	Orientation to all branches -- career options, tools, etc.	MC	3	0	0	0
4	Orientation on admitted Branch -- corresponding labs, tools and platforms	EC	2	0	3	0
5	Proficiency Modules & Productivity Tools	ES	2	1	2	0
6	Assessment on basic aptitude and mathematical skills	MC	2	0	3	0
7	Remedial Training in Foundation Courses	MC	2	1	2	0
8	Human Values & Professional Ethics	MC	3	0	0	0
9	Communication Skills -- focus on Listening, Speaking, Reading, Writing skills	BS	2	1	2	0
10	Concepts of Programming	ES	2	0	2	0

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R23

I YEAR – I SEMESTER

Sl. No	Category	Course Code	Course Title	L	T	P	Credits
1	BS&H		Communicative English	2	0	0	2
2	BS&H		Linear Algebra and Calculus	3	0	0	3
3	BS&H		Chemistry	3	0	0	3
4	Engineering Science		Basic Civil and Mechanical Engineering	3	0	0	3
5	Engineering Science		Introduction to Programming	3	0	0	3
6	Engineering Science		Engineering Workshop	0	0	3	1.5
7	BS&H		Communicative English Laboratory	0	0	2	1
8	Engineering Science		Computer Programming Laboratory	0	0	3	1.5
9	BS&H		Chemistry Laboratory	0	0	2	1
10	BS&H		Health and wellness, Yoga and sports	0	0	1	0.5
Total Credits							19.5

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1 YEAR – II SEMESTER

Sl. No	Category	Course Code	Course Title	L	T	P	Credits
1	BS&H		Engineering Physics	3	0	0	3
2	BS&H		Differential equations and Vector Calculus	3	0	0	3
3	Engineering Science		Basic Electrical and Electronics Engineering	3	0	0	3
4	Engineering Science		Engineering Graphics	1	0	4	3
5	Professional Core		Electrical Circuit Analysis – I	3	0	0	3
6	BS&H		Engineering Physics Laboratory	0	0	2	1
7	Engineering Science		Electrical and Electronics Engineering Workshop	0	0	3	1.5
8	Professional Core		Electrical Circuits Laboratory	0	0	3	1.5
9	Engineering Science		IT Workshop	0	0	2	1
10	BS&H		NSS/NCC/Scouts and Guides/Community Service	0	0	1	0.5
Total Credits							20.5



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Proceedings:

- The meeting began at 02:00 PM in Online Mode. The Chairman of the Board Dr. A. Mohan Durga Kumar welcomed all the members for the meeting.
- With respect to point 2 of agenda, the following changes were suggested in B.Tech syllabi:
 - Suggested to add topics “Impedance, Power triangle, real, reactive, apparent power, instantaneous power, complex power and Tellegen’s theorem” in Electrical Circuit Analysis – I course.
 - Suggested to replace Experiment No. 4 “Magnetization Characteristics of DC Shunt Generator” with “Measurement of Three- phase power in Three-phase induction motor using two wattmeter method” and Experiment No. 5 “Brake Test on DC Shunt Motor” with “Speed control of DC shunt motor” in Electrical and Electronics Engineering Workshop Laboratory Course.
 - Suggested to remove Experiment No. 1 “Verification of Kirchhoff’s circuit laws” and add Experiment No. 13 “Verification of Tellegen’s theorem” in Electrical circuits Laboratory Course.
- With respect to point 4 of agenda, discussions were made about introduction of new courses like Basic Electrical and Electronics Engineering, Electrical and Electronics Engineering Workshop Laboratory.

Resolutions:

The following resolutions have been made in the meeting

- With respect to point 1 of agenda, Induction Programme and the first year course structure of R23 of B.Tech is approved without any modifications.
- With respect to point 2 of agenda, the following changes were suggested in B.Tech syllabi:

- Suggested to add topics “Impedance, Power triangle, real, reactive, apparent power, instantaneous power, complex power and Tellegen’s theorem” in Electrical Circuit Analysis – I course.
 - Suggested to replace Experiment No. 4 “Magnetization Characteristics of DC Shunt Generator” with “Measurement of Three- phase power in Three-phase induction motor using two wattmeter method” and Experiment No. 5 “Brake Test on DC Shunt Motor” with “Speed control of DC shunt motor” in Electrical and Electronics Engineering Workshop Laboratory Course.
 - Suggested to remove Experiment No. 1 “Verification of Kirchhoff’s circuit laws” and add Experiment No. 13 “Verification of Tellegen’s theorem” in Electrical circuits Laboratory Course.
- The syllabus for all the courses were thoroughly discussed, finalized and approved.
 - With respect to point 3 of agenda, the proposed model papers for internal and external examinations of theory courses and evaluation procedure for laboratory courses were discussed and ratified.
 - With respect to point 4 of agenda, of new courses introduced were accepted and ratified.
 - With respect to point 5 of agenda, Course Objectives, Course Outcomes and CO-PO mapping for all the courses were ratified.
 - With respect to point 6 of agenda, text books, reference books and web resources for all the courses were finalized.
 - With respect to point 7 of agenda, based on the ATR, the suggestions given by stakeholders are discussed.
 - With respect to point 8 of agenda, In the meantime, if any information related to M.Tech – R23, it is proposed to follow the course structure and syllabus that will be prescribed by APSCHE/JNTUK, Kakinada.
 - The members decided to convey the same to Academic Council members for approval.

The meeting ended with vote of thanks.