

PRAGATI ENGINEERING COLLEGE (Autonomous), Surampalem-533437

DEPARTMENT OF CHEMISTRY/ ENVIRONMENTAL SCIENCES

R-20 Regulations

Minutes of Board of Studies dated 25-01-2021

The Board of Studies (BOS) of Chemistry and Environmental Science Departments is held on 25-01-2021 at 2:00 PM in R&D Division (Dean Chamber) of the College in online mode (Teams App) to discuss the proposed agenda and to adopt resolutions. The following members attended the meeting.

Point-1: Dr. P. V. S. Machiraju, Professor of Chemistry, Dean-R&D welcomed all the members to the BOS meeting

Point 2: The information regarding the proposed syllabi of the subjects, Engineering Chemistry, Applied Chemistry Theory and Laboratory and Syllabus of Environmental Sciences has been shared to the members of BOS for finalization.

Point 3: The proposed syllabi were discussed at length and the suggestions provided by the external BOS members Dr. G. Ranga Rao, Prof. B. Venkateswara Rao and Prof. P. V. V. Prasada Rao in Engineering Chemistry are as follows

I. Engineering Chemistry (CE, Mech Branches):

Prof. G. Ranga rao, IIT Madras suggested to include Applications of Nanomaterials in Lubricants in Unit -V.

II. Prof. G. Rangarao and Prof. P. V. V. Prasada Rao and Pro. B. Venkateswara Rao suggested to club experiments with serial no. 8&9 in to one experiment and to change the statement as Estimation of Strong acid against Strong Base by using conductometric titration and to mention the names of the acid and base.

III. The above suggestions made by BOS members are incorporated in the syllabi of Engineering Chemistry Theory and Laboratory has been approved and ratified.

The suggestions made by external BOS members in Applied Chemistry are as follows

II. Applied Chemistry (ECE, CSE, IT, CSE (DS), CSE(AI&ML) Branches):

a) In Unit –I: Electrochemical Energy Systems: Concentration cells are to be included.

b) In Unit -III B, Green Chemistry: Engineering applications are to be explained with Case study.

c) In Unit-IV: Polymer Chemistry, Vulcanization of rubber is to be included in Elastomers.



- d) As Laboratory syllabus is concerned, experiments with Sl. Nos 8&9 are to be made as one experiment and to change the statement as Estimation of Strong acid against Strong Base by using conductometric titration and to mention the names of the acid and base.
- e) Any 10 Experiments out of 14 can be conducted in the laboratory.

III. The Syllabus proposed for Environmental Sciences is approved and ratified without any changes or modifications.

Point 4: The proposed Course structures and CO-PO-PSO mapping for the proposed subjects of Engineering and Applied Chemistry and Environmental Sciences are approved and ratified.

Point-5: The proposed model papers for internal and external examinations of both theory and laboratory courses of EC and AC and Practicals of both subjects are approved and ratified

Point-6: The Textbooks and Reference books proposed are approved and ratified.

The members of the BOS authorized the Chairman, BOS of Chemistry and Environmental Sciences to incorporate the changes suggested.

Point-7: Any other item: Prof. P.V.V. Prasada Rao University nominee suggested to represent the concerned authorities to consider Environmental Sciences subject as a Credit course instead of an Audit course.

- It is resolved to consider the suggestion made by Prof. P.V.V. Prasada Rao to represent the concerned authorities for consideration of Environmental Sciences as a Credit course instead of an Audit course.

Signature of BOS Members

University Nominee

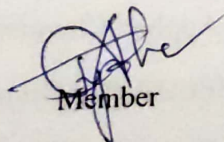
Subject Expert

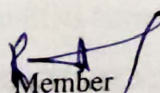
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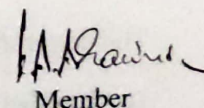
BOS- Chairman

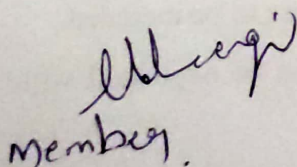
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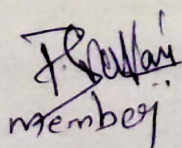
P. S. Dayana
 Member


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