

Academic Year 2022-23

Date: 15-10-2022

Meeting : Board of Studies –Civil Engineering

Date and Time: 15th October 2022 at 11:00 AM.

Venue : AITS, RAJAMPET.

The 15th Board of Studies was held by Virtual mode using Microsoft teams in the Department of Civil Engineering on 15th October 2022 at 11:00 AM. AITS, RAJAMPET.

Members Attended in 15th BOS Meeting

1. Chair Person: Dr. T. Naresh Kumar, Associate Professor & Head, Dept. of Civil Engineering, AITS, Rajampet
2. University Nominee : Dr. B.J aya Rami Reddy ,Director IIIT Ongole
3. Outside Expert: Dr A. Ramachandra Murthy, Senior Principal Scientist, CSIR- SERC, Chennai, India
4. Outside Expert: Sri. Madhava Rao, Superintendent Engineering, Irrigation Department, Kadapa.
5. Outside Expert: Prof. Neelima, Department of Civil Engineering, IIT, Indore.
6. Industry Expert: Sri. S. Babu, Executive Vice President (Tech.), NCC Limited, Hyderabad.
7. Alumni: Mr. V. Vishnu Vardhan, Research Scholar, Dept. of Civil Engineering, IIT Madras.

Internal Members:

1. Member: Dr. S.M.V. Narayana, Principal of AITS, Rajampet.
2. Member: Dr. D. Sreenivasulu, Associate Professor, Department of Civil Engineering AITS, Rajampet.
3. Member: Mr S. Venkata Vara Prasad, Assistant Professor, Department of Civil Engineering AITS, Rajampet.

Members Absent: Nil

Resolutions

Item no. 1: To review the course Structure II B.Tech, III B.Tech and IV B.Tech (R20) syllabus

1. Dr. B. Jaya Rami Reddy suggested to change the subject titled as Advanced Surveying to Surveying in III-Semester.
2. Dr. B. Jaya Rami Reddy Reddy suggested to swap the Design of Steel Structures from VII Semester to VI Semester.
3. Dr. S. Neelima suggested to modify the subject titled for Material Testing and Evaluation.
4. Sri. S. Babu suggested adding some advanced topics in Surveying.
5. Sri. S. Babu appreciated the Engineering Estimation, Costing and Valuation syllabus.
6. Sri. S. Babu appreciated the Transportation Engineering Laboratory Experiments.
7. Dr A. Ramachandra Murthy suggested to change Slope Deflection Method as Deflection Methods in Unit 3 topic in Structural Analysis.

Item no.2: To consider the revision in the course and course scheme in Honors degree

All the board members were reviewed the Honor Degree syllabus.

Item no.3: To consider the revision in the course and course scheme in minor Program

All the board members were reviewed the Minor Degree syllabus.

Item no.4: To consider Civil Engineering students for Internship in Water Distribution Plant at Vizag

1. **Sri. S. Babu** was invited to visit the Water Supply Scheme at Vizag to do internship for civil engineering students

Item No. 5: The committee went through the course structure of R-20 for II, III, and IV B Tech (CE & (ME, EEE&ECE for OEC)) program and PG syllabus of Civil Engineering is resolved as follows:

Sl.no	Subject code (UG)	Subject name	Year and sem	Suggestions and Modifications
1.	20A151T	Basic Reinforced Concrete Design	III BTECH-I SEM	Unit 2: concept replaced by and. anchorage and development length is removed. Unit 3: L and T-beams are included instead of T-beams only. Continuous slab are included instead of concept of continuous slab Unit 4: long columns are included instead of introduction to long columns only.
2.	20A15CT	Remote Sensing and GIS	III BTECH-I SEM	Shifted unit 4 to unit 5 Shifted unit 5 to unit 4 -No changes in syllabus. Prescribed Textbooks author names are edited.
3.	20A154L	Structural Analysis & Design Lab (STAAD Pro)	III BTECH-I SEM	The experiments names are changed as Analysis and Design of each experiments.
4.	20A16AT	Advanced RCC Design	III BTECH-II SEM	Unit 1: Design of flat slab is included Removed Equivalent Frame Method, Openings in flat slabs, and Effect of pattern loading in flat slabs. Unit 2: removed design of concrete chimney.
5.	20A164L	Structural Analysis & Design Lab (E-Tabs)	III BTECH-II SEM	Experiment 13 and 14 is removed. Analysis and design of shear wall is included.
6.	20A16BT	Construction Project Management	III BTECH-II SEM	Unit 3: Removed Improving the Scheduling Process, MIS & BIM
7.	20A17KT	Ground Improvement Techniques	IV BTECH-I SEM	Unit 1: Introduction about seepage and its control are added. Unit 3: Introduction about stabilization is added. Unit 4: introduction about soil reinforcement are added.
8.	20A17AT	Design of Steel Structures	IV BTECH-I SEM	Unit 1: removed High tension bolted joints. Structural connection- testing methods. Unit 2: removed Design of Member Subjected to Axial Tension and Bending. Unit 2 and unit 3 are merged. Unit 4 is shifted to unit 3. Unit 5 is splitted into unit 4 and unit 5.
9.	20A17GT	Design and Drawing of Irrigation Structures	IV BTECH-I SEM	Prescribed and reference textbooks are included
10.	20A15FT (ME,EEE&ECE) 20A17MT (CE)	Disaster Management (ME,EEE&ECE)	III BTECH-I SEM (ME,EEE &ECE) IV	Unit 2: Removed Accidents, Industrial Mishaps; Wars – Military, Bio-War and Cyber warfare; Nuclear Disasters; Blackouts; Cyber Attacks, Oil Spills, Compound or Cascading Disaster. Unit 3: Removed Evacuation plans; mock drills of

			BTECH-I SEM (CE)	<p>evacuation; Industrial safety drills; Monitoring of hazardous components in industries and places of public importance.</p> <p>Unit 4: Removed risk analysis, vulnerability and capacity assessment; early warning systems. Post-disaster environmental response (water, sanitation, food safety, waste management, disease control). Community, local institutions, NGOs and other stakeholders; Policies and legislation for disaster risk reduction. DRR programs in India and the activities of National Disaster Management Authority.</p> <p>Unit 5: Change unit name Aftermath Disaster to Rehabilitation and Reconstruction. Removed methods and strategies; Re-development - Methods and strategies; Environmental design; Disaster resistant design in built environment and in industries. Change in land use pattern and its effects on human settlements. Capacity building of the society and the industries against disasters. Added Concepts, Types, Guiding Principles of Rehabilitation and Reconstruction Post-Disaster Story: The Tsunami Aftermath.</p>
--	--	--	------------------------	---

Sl.no	Subject Code (PG)	Subject Name	Year and Sem	Suggestions
1	19B124L (M.Tech-SE)	Structural Design Laboratory-II	I M.Tech- II Sem	Experiments with respect to E-tabs software are included

Finally, all BOS committee members after through checking the list of subjects and their syllabus, all are finalized accepted and approved the revised R20 by incorporating their suggestion and minor modifications in the syllabi of B.Tech Honors and Minor Degree and PG in Civil Engineering.

The above suggestions/recommendations have been forwarded to academic council for necessary suggestions and kind approval.

The chairman of BOS has delivered vote of thanks.

Encl:

1. One Drive link of Meeting Video

https://annamacharyagroup.sharepoint.com/sites/InternalBOS/Shared%20Documents/General/Recordings/Internal%20BOS%20Meeting%20on%2015-10-2022-20221015_110406-Meeting%20Recording.mp4?web=1

Prasanna
(Inter Bos member)
S. Sreeivasulu
(Internal Bos member)

[Signature]
CHAIRMAN BOS
Head of the Department
Civil Engineering
Annamacharya Institute
of Technology and Sciences
New Boyanapalli, Rajampet - 516 128-4

15th BOP Meeting Attendance

Full Name	User Action	Timestamp
Dr T Naresh Kumar	Joined	15/10/22, 10:51:51 am
Sreerama Babu	Joined	15/10/22, 10:54:06 am
A Ramachandra Murthy (Guest)	Joined	15/10/22, 10:58:01 am
A Ramachandra Murthy (Guest)	Left	15/10/22, 11:43:51 am
A Ramachandra Murthy (Guest)	Joined	15/10/22, 11:44:22 am
A Ramachandra Murthy (Guest)	Left	15/10/22, 12:05:09 pm
Vishnu (Guest)	Joined	15/10/22, 11:01:02 am
B Jaya Rami Reddy	Joined	15/10/22, 11:04:13 am
s Venkata Vara Prasad	Joined	15/10/22, 11:07:43 am
DR. D. SREENIVASULU (Guest)	Joined	15/10/22, 11:08:52 am
B Jaya Rami Reddy	Joined	15/10/22, 11:09:48 am
Prof. B Jayarami Reddy, AKU (Guest)	Joined	15/10/22, 11:10:56 am
Prof. B Jayarami Reddy, AKU (Guest)	Left	15/10/22, 11:58:58 am
Neelima	Joined	15/10/22, 11:13:37 am
Neelima	Left	15/10/22, 11:51:31 am
s.m.v.Narayana (Guest)	Joined	15/10/22, 11:49:50 am