

Academic Year 2020-21

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES: RAJAMPET

(AN AUTONOMOUS INSTITUTION)

DEPARTMENT OF CIVIL ENGINEERING

Minutes of XIII Board of Studies Meeting held on 26.08.2021(Virtual Mode)

Date: 26-08-2021

The minutes of BOS held at 10:00 AM on 26.08.2021 in connection with Course structure syllabus formulation for R-20 of II, III and IV B.Tech Civil Engineering by Virtual mode at Civil Engineering Dept., AITS, Rajampet.

Agenda:

- To finalize the course structure R-20 of II, III and IV B.Tech Civil Engineering.
- Any other item with permission of chair.

Members Present:

S No	Name of Attendee	Position	Place
1	Prof. S.M.V. Narayana	Principal	AITS, Rajampet
2	Prof. Y. Sreeramulu	HOD	AITS, Rajampet
3	Dr T. Naresh Kumar	Assoc Prof	AITS, Rajampet
4	Mr D. Gouse Peera	Asst Prof	AITS, Rajampet
5	Mr D. Dharama Simha Reddy	Asst Prof	AITS, Rajampet
6	Dr A. Ramachandra Murthy	Sr. Scientist	SERC, Chennai
7	Sri Madhava Rao	S.E.	Irrigation Dept, Kadapa
8	Prof. Neelima	HoD	IIT, Indore
9	Prof.Appa Rao	HoD	IIT, Madras

The committee went through the course structure of R-20 for II, III, and IV B Tech program and syllabi of Civil Engineering is resolved as follows.

Resolutions:

S No	Semester	Name of Subject	Suggestions
1	III	Managerial Economics and Financial Assistance	Assistance changed as Analysis in name of subject
2	III	Surveying	Title changes for Unit 1 and 2. Unit 5 title changed to Curve setting. Plane table topic changed to Unit 1. Add topics DGPs, detecting existing pipe line, Radar survey (depth, alignment).
3	III	Strength of materials	Unit 4 changed to unit 5. Macaulay's methods and Double integration method changed to Slope and deflection method. Add conjugate beam method, cylinders. Merge unit 3 and 5. Thick and thin shell, columns Add one more unit.
4	III	Fluid mechanics & Hydraulic Engineering	Specific volume topic is repeated. Syllabus is more. Fluid Kinematics changed to unit 2. Add notches topic. Dynamics and weir & Notch applications Merge unit 1 and 2.
5	III	Surveying Lab	Add DGPS, Drone Technology. Total station software – add contouring, LS/CS, Block levels


6	IV	Civil Engineering Drawing	Name of subject changed to Building planning and drawing. Change unit 5 because of less topics.
7	IV	Materials testing and Evaluation	Add specifications ,cement bricks, cement testing non-destructive testing, ultrasonic, rebound hammer.
8	IV	Structural Analysis	Add Propped cantilevers in unit 1. Add analysis of rigid frame (single bay).
9	IV	Material Testing Lab	Add split tensile strength, evaluation of mechanical properties and Mix Design concrete.
10	IV	Computer Aided civil engineering Drawing Lab	Name of subject changed to computer aided building drawing lab. Write properly the word 'AutoCAD'
11	V	Basic Reinforced concrete Design	Remove basic in name of subject.
12	V	Hydrology & Water Resource Engineering	Name of subject changed to Water Resources Engineering. In unit 1 title 'water movement' changed to 'introduction to hydrology'.
13	V	Instrumentation and Sensor Technologies	Video and image aids-Demo add topic irrigation in unit 3. Provide lab. (applications, demo only)
14	V	Watershed Management	Expand topics.
15	V	Sustainable Construction Methods	Name of subject changed to green building technologies.
16	V	Advanced Structural Analysis	Unit 2 title changed to slope deflection method and moment distribution method. Add cantilever and portal in unit 3.
17	V	Remote Sensing and GIS	Swap unit 4 and 5. In unit 3 title, expand GIS. Provide practicals. Provide introduction to GPS. Coordinates – demo only.
18	V	Structural Analysis & Design lab	Add irrigation designs.
19	V	Environmental Engineering lab	Remove theoretical word (BOD)
20	VI	Transportation Engineering	Horizontal alignment and vertical alignment repeated. Material pavement – include Australian method. Increase the number of hours.
21	VI	Engineering Estimation and costing	Add project management – EPC. Add SSR of mechanical and electrical.
22	VI	Soil Mechanics	Swap unit 3 and 5.
23	VI	Advanced RCC Design	Add introduction to staging, load acting on shuttering, wind forces, design of columns and bracings, membrane in unit3
24	VI	Construction project Management	Verify unit 3.
25	VI	Advanced Environmental Engineering	Add topic nonpathogenic bacteria.
26	VI	Transportation Engineering lab	Spelling mistake in bituminous materials.
27	VII	Design of Steel Structures	Structural connection ,testing methods- unit I Add welding tests – infrared.
28	VII	Finite Element methods	In name of subject remove s in methods. Change title in unit III

For Text books year is important.

Maintain same format for Prescribed and reference test books.

Attestation:

S. No	Name of the members	Signature of the members
1	Prof. S.M.V. Narayana Principal, AITS, Rajampet	
2	Prof. Y. Sreeramulu HOD AITS, Rajampet	
3	Dr T. Naresh Kumar Assoc Prof, AITS, Rajampet	
4	Mr D. Gouse Peera Asst Prof, AITS, Rajampet	
5	Mr D. Dharama Simha Reddy Asst Prof, AITS, Rajampet	
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