ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::RAJAMPET
(AN AUTONOMOUS INSTITUTION)

DEPARTMENT OF CIVIL ENGINEERING

I- BOS MINUTES: 2013-2014

Date-12-05-2013

The minutes of BOS held at 10:30 AM on Sunday 12-05-2013 in connection with civil engineering course structure, scheme of instructions and syllabi, at institute premises AITS, Rajampet.

Agenda:

- To finalize the course structure and syllabi of II, III & IV B.Tech.
- Discussion on implementation of Artificial Neural Networks.
- Any other item with permission of chair.

The following is the list of members:

1. Dr.P.SriChandana,-   ....Chair person
   Head, Dept of CIVIL Engg,
   AITS, Rajampet, Kadapa Dt.

2. Dr.R.Ramakoteshwara Rao-   ....Member
   principal,
   AITS, Rajampet, Kadapa Dt.

3. Mr.P.Manoharam-   ....Member
   Dy.Chief Engineer,(CAD),
   TTD, AD.Block, Tirupathi.

4. Dr.CNV.Sridhar-   ....Member
   professor,
   AITS, Rajampet, Kadapa Dt.

5. Mr. M. Maruthi Prasad-   ....Member
   Associate professor,
   AITS, Rajampet, Kadapa Dt.

The committee went through the coarse structure, scheme of instructions and syllabi for II, III & IV B.Tech program in civil engineering department and resolved:

- To follow the coarse structure, scheme of instructions and syllabi for II,III & IV B.Techprogramme in civil engineering as in ANNEXURE-I,

- Introduced soft skills-I & II at II and III B.Tech in UG Programme.
- Finalized the coarse structure of R13 regulations.
- Included Artificial Neural networks at IV.B.Tech-II Semester.
- To introduce value added course at internal choice for B.Techprogramme.

Attestation

S.No	Name of the members	Signature of the members
1.	Dr.P.SriChandana- Chair person, Head, Dept of CIVIL Engg, AITS, Rajampet, Kadapa Dt.	
2.	Dr.R. Rama koteshwara Rao- Member, principal, AITS, Rajampet, Kadapa Dt.	
3.	Mr.P. Manoharam- Member, Dy.Chief Engineer,(CAD) TTD, AD.Block, Tirupathi.	
4.	Dr. CNV.Sridhar- Member, professor, AITS, Rajampet, Kadapa Dt.	
5.	Mr. M.Maruthi Prasad- Member, Associate professor, AITS, Rajampet, Kadapa Dt.	

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2013
Department	Department of Civil Engineering
Programme Code & Name	G6, B.Tech Civil Engineering

II Year B.Tech II Semester

Subject Code	Subject	Hours/ Week		C	Maximum marks		
		L	P		Internal	External	Total
1GC42	Probability and Statistics	4	0	4	30	70	100
1GC43	Environmental Science	4	0	4	30	70	100
1G641	Strength of Materials-II	4	0	4	30	70	100
1G642	Hydraulics and Hydraulic Machinery	4	0	4	30	70	100
1G643	Structural Analysis I	4	0	4	30	70	100
1G644	Building Planning and Drawing	4	0	4	30	70	100
1G645	Fluid Mechanics and Hydraulic Machines Lab	0	3	2	30	70	100
1G646	Surveying Lab II	0	3	2	30	70	100
1G647	Seminar - I	0	2	2	100	00	100
	Total	24	8	30	340	560	900

	Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2013	
Department	Department of Civil Engineering	
Programme Code & Name	G6, B.Tech Civil Engineering	

III Year B.Tech I Semester

Subject Code	Subject	Hours/ Week		C	Maximum marks		
		L	P		Internal	External	Total
1GA51	Managerial Economics and Financial Analysis	4	0	4	30	70	100
1G651	Structural Analysis II	4	0	4	30	70	100
1G652	Engineering Geology	4	0	4	30	70	100
1G653	Engineering Hydrology I	4	0	4	30	70	100
1G654	Environmental Engineering I	4	0	4	30	70	100
1G655	Design and Drawing of Reinforced Concrete Structures	4	0	4	30	70	100
1GC53	Soft Skills – II	2	0	2	30	70	100
1GC51	Advanced English Communication Skills Lab	0	3	2	30	70	100
1G656	Engineering Geology Lab	0	3	2	30	70	100
	Total	26	6	30	270	630	900

	Curriculum for the Programmes under Autonomous Scheme		
Regulation		R 2013	
Department		Department of Civil Engineering	
Programme Code & Name		G6, B.Tech Civil Engineering	

III Year B.Tech II Semester

Subject Code	Subject	Hours/ Week		C	Maximum marks		
		L	P		Internal	External	Total
1G661	Engineering Hydrology II	4	0	4	30	70	100
1G662	Environmental Engineering II	4	0	4	30	70	100
1G663	Design and Drawing of Steel Structures	4	0	4	30	70	100
1G664	Geotechnical Engineering I	4	0	4	30	70	100
1G665	Transportation Engineering	4	0	4	30	70	100
1G666	Estimation and Quantity Surveying	4	0	4	30	70	100
1G667	Environmental Engineering Lab	0	3	2	30	70	100
1G668	Geotechnical Engineering Lab	0	3	2	30	70	100
1G669	Seminar - II	0	2	2	100	00	100
	Total	24	8	30	340	560	900

Curriculum for the Programmes under Autonomous Scheme

Regulation	R 2013
Department	Department of Civil Engineering
Programme Code & Name	G6, B.Tech Civil Engineering

IV Year B.Tech I Semester

Subject Code	Subject	Hours/Week		C	Maximum marks		
		L	P		Internal	External	Total
1G671	Geotechnical Engineering II	4	0	4	30	70	100
1G672	Finite Element Methods	4	0	4	30	70	100
1G673	Bridge Engineering	4	0	4	30	70	100
1G674	Concrete Technology	4	0	4	30	70	100
ELECTIVE –I							
1G675	Earthquake Resistant Design	4	0	4	30	70	100
1G676	Railway Docks and Harbor Engineering						
1G677	Traffic Engineering						
1G678	Construction Planning and Project Management						
ELECTIVE –II							
1G679	Industrial Waste and Waste Water Management	4	0	4	30	70	100
1G67A	Air Pollution and Control						
1G67B	Water Resources System Planning and Management						
1G67C	Construction Technology and Management	0	3	2	30	70	100
1G67D	CAD lab for Civil Engineers	0	3	2	30	70	100
1G67E	Concrete and Highway L Engineering Lab	0	2	2	30	70	100
	Total	24	8	30	270	630	900

Regulation					R 2013		
Department					Department of Civil Engineering		
Programme Code & Name					G6, B.Tech Civil Engineering		

Curriculum for the Programmes under Autonomous Scheme

IV Year B.Tech II Semester

Subject Code	Subject	Hours/Week		C	Maximum marks		
		L	P		Internal	External	Total
1G681	Design and Drawing of Irrigation Structures	4	0	4	30	70	100
1G682	Advanced Structural Engineering	4	0	4	30	70	100
ELECTIVE III							
1G683	Remote Sensing and GIS Applications	4	0	4	30	70	100
1G684	Ground Water Development and Management						
1G685	Ground Improvement Techniques						
1G686	Environmental Impact Assessment and management						
ELECTIVE IV							
1G687	Soil Dynamics and Machine Foundations	4	0	4	30	70	100
1G688	Advanced Structural Analysis						
1G689	Pre-stressed Concrete						
1G48B	Neural Networks and Fuzzy Logic						
1G68A	Seminar - III	0	2	2	100	00	100
1G68B	Project Work	0	12	12	100	00	100
	Total	16	14	30	320	280	600