

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::RAJAMPET
(AN AUTONOMOUS INSTITUTION)
DEPARTMENT OF CIVIL ENGINEERING
V-BOS MINUTES: 2017-2018

Date-07-05-2017

The minutes of BOS held at 9:30 AM on Sunday 07-05-2017 in connection with civil engineering course structure, scheme of instructions and syllabi for R-17 regulation, at institute premises AITS, Rajampet.

Agenda:

- To finalize the proposed course structure, academic regulations, syllabus of R-17 regulations.
- Discussion to implement new laboratory sessions such as Auto CAD lab, fluid mechanics lab, Hydraulics and hydraulic machinery lab, construction management/ estimation and quantity surveying lab-MS PROJECT/PRIMAVERA lab and structural analysis lab-Etabs&staad lab.
- Proposal to implement 4 Professional electives, 1 open elective and MOOCS.
- Proposal to introduced Advanced surveying as professional elective and Remote sensing and GIS course in IV B.Tech.

The following are the members of the committee :

1. Dr.P.R.BhanumurthyUniversity nominee
Professor & HOD
JNTUA, Anantapuramu
2. Dr.SMVNarayana-Member
Principal,
AITS, Rajampet, Kadapa Dt.
3. Dr.Y.SreeRamuluMember **CHAIR PERSON**
Professor & HOD
AITS, Rajampet, Kadapa Dt.
4. Dr.IVRamana Reddy- Member
Professor,
S.V. University, TPT.
5. Mr.T.Nareshkumar -Member
Asst. Professor,
AITS, Rajampet, Kadapa Dt.
6. Ms.N.R.Gowthami-Member

Assistant professor,
AITS, Rajampet, Kadapa Dt.

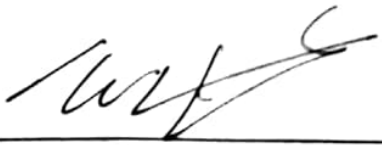
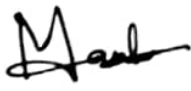
7 Mr.P.Manohar Reddy-
superintendent Engineer,(R&B),
Vijayawada.

.....Industry expert

The committee went through the coarse structure, scheme of instructions and syllabi for I, II, III & IV B.Techprogramme in civil engineering department and resolved as follows.

- Finalized the course structure, syllabus and regulations of R-17 Regulations as enclosed in ANNEXURE-I.
- Advanced English Language Communication skills lab is modified to MANDATORY course.
- Concrete and highway engineering lab is divided in to Concrete Technology and Highway Engineering lab.
- Added AUTO CAD Lab in II B.Tech-I Sem.
- Incorporated Structural Analysis and design Lab- I & II in II B.Tech- II Sem& III B.Tech- I Sem.
- Included Estimation and Quantity Surveying Lab using Ms Project / Primavera in III B.Tech- II Sem.
- Appended Remote Sensing and GIS Course in IV B.Tech- I Sem
- Advanced Surveying as Professional Elective.
- Apting IV Professional Electives, 1-Open Elective & 1-MOOC.
- 6 subjects + 3 Labs and Seminars as finalized course structure.

To follow the coarse structure, scheme of instructions and syllabi for II,III& IV B.Tech and M.Tech structural engineering programme in civil engineering department as in ANNEXURE-IV,

S.No	Name of the members	Signature of the members
1.	Dr.P.R.Bhanumurthy - University nominee Professor & HOD JNTUA, Anantapuramu	
2.	Mr.P.Manohar Reddy- Member, superintendent Engineer,(R&B) Vijayawada.	

3.	Dr.SMVNarayana-Member Principal, AITS, Rajampet, Kadapa Dt.	<i>Smm Naray</i>
4.	Dr.Y.SreeRamulu - Member CHAIR PERSON Professor & HOD AITS, Rajampet, Kadapa Dt.	<i>Y Sree</i>
5.	Dr.IVRamana Reddy- Member Professor, S.V. University, TPT.	<i>Ramesh</i>
6.	Mr.T.Nareshkumar-Member Asst. Professor, AITS, Rajampet, Kadapa Dt.	<i>T Naresh</i>
7.	Ms.N.R.Gowthami- Member Assistant professor, AITS, Rajampet, Kadapa Dt.	<i>N.R. Gowthami</i> 7/5/2017

ANNEXURE-I

I Year B. Tech., I Semester

Subject	Subject Name	Hours / Week			C
		L	T	P	
7GC11	Technical English & Professional Communication	4	1	0	4
7GC12	Engineering chemistry	3	1	0	3
7GC14	Engineering Mathematics-I	4	1	0	4
7G111	Problem solving techniques and C Programming	3	1	0	3
7G511	Engineering Graphics -I	2	0	5	4
7G512	Engineering Mechanics - Statics	3	1	0	3
7GC15	Engineering chemistry lab	--	--	3	2
7G112	Programming in C Lab	--	--	3	2
7G514	Engineering workshop	--	--	3	2
Total		19	5	14	27

I Year B. Tech., II Semester

Subject	Subject Name	Hours / Week			C
		L	T	P	
7GC23	Engineering Physics	3	1	0	3
7GC24	Engineering Mathematics-II	4	1	0	4
7G121	Data Structures	3	1	0	3
7G521	Engineering Graphics -II	2	--	5	4
7G522	Engineering Mechanics - Dynamics	3	1	0	3
7GC26	Engineering Physics Lab	--	--	3	2
7G124	Programming in Data structures Lab	--	--	4	2
7GC27	ELCS Lab			3	2
7G123	IT Workshop			3	2

AUDIT COURSE	Gender Sensitization				
		2	0	--	0
II Year B. Tech., I Semester		Total	17	4	18

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7GC33	Aptitude and Reasoning Skills	--	2	--	1
7G631	Building Materials and Construction	3	1	0	3
7G632	Fluid Mechanics	3	1	0	3
7G633	Strength of Materials	3	1	0	3
7G634	Surveying	3	1	0	3
7G537	Electrical and Mechanical Technology	3	1	0	3
7GC32	Engineering Mathematics-III	3	1	0	3
7G635	Fluid Mechanics Lab	0	--	3	2
7G636	Strength of Materials Lab	0	--	3	2
7G637	Surveying Lab-I	0	--	3	2
	Sports and Extensional Activities	--	--	1	0
		Total	18	08	10

II Year B. Tech., II Semester

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G641	Advanced Strength of Materials	3	1	0	3
7G642	Building Planning and Drawing	3	1	0	3
7GC41	Environmental Science	3	1	0	3
7G643	Hydraulics and Hydraulic Machinery	3	1	0	3
7GC42	Probability and Statistics	3	1	0	3
7G644	Structural Analysis-I	3	1	0	3
7G645	Auto CADD Lab	0	--	3	2
7G646	Hydraulics & Hydraulic Machinery Lab	0	--	3	2
7G647	Surveying Lab- II	0	--	3	2
7G648	Seminar – I	0	--	1	1
		Total	18	06	10

III Year B. Tech., I Semester

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G651	Design and Drawing of Reinforced Concrete Structures	4	2	0	4
7G652	Engineering Geology	3	1	0	3
7G653	Environmental Engineering-I	3	1	0	3
7BA51	Managerial Economics and Financial Analysis	3	1	0	3
7G654	Water Resource Engineering -I	3	1	0	3
7G655	Structural Analysis-II	3	1	0	3
7G656	Environmental Engineering Lab	0	--	3	2
7G657	Engineering Geology Lab	0	--	3	2

7G658	Structural analysis and Design Lab-I STAAD PRO	0	--	3	2
7GC52	English for Competitive Examination	--	2	--	1
AUDIT COURSE	Professional Ethics / Stress Management	2	--	--	0
Total		21	09	09	26

III Year B. Tech., II Semester					
Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G661	Concrete Technology	3	1	0	3
7G662	Design and Drawing of steel structures	3	1	0	3
7G663	Estimation and Quantity Surveying	3	1	0	3
7G664	Geotechnical Engineering	3	1	0	3
7G665	Water Resource Engineering-II	3	1	0	3
PROFESSIONAL ELECTIVE -I					
7G666	Advanced Structural Analysis	3	1	0	3
7G667	Environmental Engineering-II				
7G668	Numerical methods in civil Engineering				
7G669	Concrete Technology Lab	0	--	3	2
7G66A	Structural Analysis and Design Lab II – E-TABS	0	--	3	2
7GC61	*Advanced English communication skills lab	0	--	3	2
7G66B	Seminar-II	0	--	2	1
Total		18	06	11	25

IV Year B. Tech., I Semester					
Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G671	Design and Drawing of Irrigation Structure	3	1	0	3
7G672	Foundation Engineering	3	1	0	3
7G673	Transportation Engineering	3	1	0	3
7G674	Open Elective	3	1	0	3
7G675	MOOCs				3
PROFESSIONAL ELECTIVE –II					
7G676	Bridge Engineering	3	1	0	3
7G677	Finite Element Methods for Civil Engineering				
7G678	Ground Improvement Techniques				
7G679	Geotechnical Engineering Lab	0	--	3	2
7G67A	Transportation Engineering Lab	0	--	3	2
7G67B	Project Management Lab-MS Project/Primavera	0	--	3	2
7G67C	Comprehensive Civil Engineering	0	--	2	1
Total		15	05	11	25

LIST OF OPEN ELECTIVE SUBJECTS	Offered By Department of
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7G674	Disaster Management	CE
7G274	System Modelling and Simulation	EEE
7G574	Total Quality Management	ME
7G575	Integrated Product Development	ME
7G376	Nano Technology and Applications	ECE
7G377	Medical Instrumentation	ECE
7G175	Cyber Laws	CSE
7G176	.NET Technologies	IT
7BA72	Intellectual Property Rights	DBA
7BA73	Human Resource Management	DBA

IV Year B. Tech., II Semester

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
PROFESSIONALELECTIVE -III		3	1	0	3
7G681	Advanced Environmental Engineering				
7G682	Green Buildings				
7G683	Prestressed concrete				
PROFESSIONALELECTIVE IV		3	1	0	3
7G684	Advanced RCC Design				
7G685	Construction Planning and Project Management				
7G686	Railway Docks and Harbours Engineering				
PROFESSIONALELECTIVE V		3	1	0	3
7G687	Elements of Earth Quake Resistant Design				
7G688	Ground water Development and Management				
7G689	Remote sensing and GIS				
7G68A	Seminar – III	0	--	2	1
7G68B	Project Work			8	8
Total		09	3	10	18