

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES::RAJAMPET
(AN AUTONOMOUS INSTITUTION)
DEPARTMENT OF CIVIL ENGINEERING
II-BOS MINUTES: 2014-2015

Date-22-06-2014

The minutes of BOS held at 11:00 AM on Sunday 22-06-2014 in connection with civil engineering, at institute premises AITS, Rajampet.

Agenda:

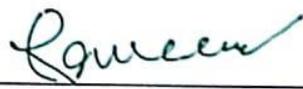
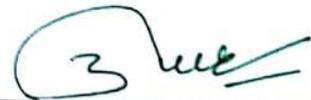
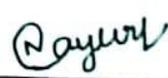
- Conversion of 8 units to 5 units.
- Syllabus modifications if any.
- Finalizing the course structure & syllabus for R-14 Regulations.
- Introducing the PG-Programme M.Tech-Structural Engineering and finalizing the course structure and syllabus.
- Any other item with permission of chair.

The following are the members of committee :

1. Dr.H.Sudarshan RaoUniversity nominee
Professor & Rector,
JNTUA, Anantapuramu
2. Dr.P.SriChandana,-Chair person
Head, Dept of CIVIL Engg,
AITS, Rajampet, Kadapa Dt.
3. Dr.N.V.Ramana,Member
Professor, Subject expert,
UBDT,Dawangiri,VTU, Belgaum.
4. Mr.P.Manoharam-Member
Dy.Chief Engineer,(CAD),
TTD, AD.Block, Tirupathi.
5. Dr.CNV.Sridhar-Member
Professor,
AITS, Rajampet, Kadapa Dt.
6. Ms.N.Srilalitha-Member
Assistant professor,
AITS, Rajampet, Kadapa Dt.

The following are the resolutions of BOS members:

- The committee went through and finalized the course structure, scheme of instructions and syllabi for B.Tech programme as enclosed in ANNEXURE-I.
- Initiated the M.Tech programme i.e., structural engineering in civil engineering department and finalized Course structure and syllabus as enclosed in ANNEXURE-II
- The subjects are revised based on recommendations of Departmental advisory board as enclosed in ANNEXURE-III;
- Introduced a new value added course for M.Tech –I Sem i.e., Research methodology and Construction planning and management in II-Semester.
- The total percentage revision is 4.95%.

S.No	Name of the members	Signature of the members
1.	Dr.H.Sudarshan Rao - University nominee Professor & Rector, JNTUA, Anantapuramu	ABSENT
2.	Dr.P.SriChandana- Chair person, Head, Dept of CIVIL Engg, AITS, Rajampet, Kadapa Dt.	
3.	Dr.N.V.Ramana - Member Professor, Subject expert, UBDT, Dawangiri, VTU, Belgaum	
4.	Mr.P.Manoharam- Member, Dy.Chief Engineer,(CAD) TTD, AD.Block, Tirupathi.	
5.	Dr.CNV.Sridhar- Member, professor, AITS, Rajampet, Kadapa Dt.	
6.	Ms.N.Srilalitha- Member Assistant professor, AITS, Rajampet, KadapaDt	

ANNEXURE-I

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2014
Department	Department of Civil Engineering
Programme Code & Name	G6, B.Tech Civil Engineering

I Year B.Tech

Subject Code	Subject Name	Hours/ Week			C	Maximum marks		
		L	T	P		Internal	External	Total
4GC11	English	2	0	0	4	30	70	100
4GC12	Engineering Physics	2	0	0	4	30	70	100
4GC13	Engineering Chemistry	2	0	0	4	30	70	100
4GC14	Mathematics – I	3	1	0	6	30	70	100
4G112	Programming in C and Introduction to data structures	3	1	0	6	30	70	100
4G511	Engineering Mechanics	3	1	0	6	30	70	100
4G512	Engineering Graphics	1	1	6	10	30	70	100
4GC16**	Engineering Physics and Chemistry Lab	0	0	3	4	30	70	100
4GC17#	English Language and Communication Skills Lab	0	0	3	4	30	70	100
4G114	Programming in C and Introduction to data structures Lab	0	0	3	4	30	70	100
4G411	Engineering and IT workshop	0	0	3	4	30	70	100
Total		16	4	18	56	330	770	1100

Note: L - Lecture; T-Tutorial; P – Practical; C - Credits

** The student attends the engineering physics and engineering chemistry lab in attend week i.e.3/2 per week. The end of the exam shall be conducted separately and the average of two exams will be recorded by the examiner

The student attend the engineering and IT work shop in alternate week i.e.3/2 per week. The end exam shall be conducted separately and average of two exams will be recorded by examiners

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2014
Department	Department of Civil Engineering
Programme Code & Name	G6, B.Tech Civil Engineering

II Year B.Tech I Semester

Subject Code	Subject	Hours/ Week			Maximum marks		
		L	P	C	Internal	External	Total
4GC31	Mathematics –II	4	0	4	30	70	100
4G538	Electrical and Mechanical Technology*	4	0	4	30	70	100
4G631	Strength of Materials-I	4	0	4	30	70	100
4G632	Surveying	4	0	4	30	70	100
4G633	Fluid Mechanics	4	0	4	30	70	100

4G634	Building materials and Construction	4	0	4	30	70	100
4GC35	Aptitude & reasoning skills	2	0	2	30	70	100
4G635	Surveying Lab I	0	3	2	30	70	100
4G636	Strength of Materials Lab	0	3	2	30	70	100
Total		24	12	30	270	630	900

NOTE: In Electrical and Mechanical Technology two questions from each part should be chosen to answer five questions in the End semester examination.

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2014
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
4GC42	Probability and Statistics	4	0	4	30	70	100
4GC43	Environmental Science	4	0	4	30	70	100
4G641	Strength of Materials-II	4	0	4	30	70	100
4G642	Hydraulics and Hydraulic Machinery	4	0	4	30	70	100
4G643	Structural Analysis I	4	0	4	30	70	100
4G644	Building Planning and Drawing	4	0	4	30	70	100
4G645	Fluid Mechanics and Hydraulic Machines Lab	0	3	2	30	70	100
4G646	Surveying Lab II	0	3	2	30	70	100
4G647	Seminar – I	0	2	2	100	00	100
Total		24	8	30	340	560	900

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2014
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
4GA51	Managerial Economics and Financial Analysis	4	0	4	30	70	100
4G651	Structural Analysis II	4	0	4	30	70	100
4G652	Engineering Geology	4	0	4	30	70	100
4G653	Engineering Hydrology I	4	0	4	30	70	100
4G654	Environmental Engineering I	4	0	4	30	70	100
4G655	Design and Drawing of Reinforced Concrete Structures	4	0	4	30	70	100
4GC53	English for Competitive Examinations	2	0	2	30	70	100
4GC51	Advanced English Communication Skills Lab	0	3	2	30	70	100
4G656	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 2014						
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
4G661	Engineering Hydrology II	4	0		4	30	70	100
4G662	Environmental Engineering II	4	0		4	30	70	100
4G663	Design and Drawing of Steel Structures	4	0		4	30	70	100
4G664	Geotechnical Engineering I	4	0		4	30	70	100
4G665	Transportation Engineering	4	0		4	30	70	100
4G666	Estimation and Quantity Surveying	4	0		4	30	70	100
4G667	Environmental Engineering Lab	0	3		2	30	70	100
4G668	Geotechnical Engineering Lab	0	3		2	30	70	100
4G669	Seminar – II	0	2		2	100	00	100
Total		24	8		30	340	560	900

Curriculum for the Programmes under Autonomous Scheme								
Regulation		R 2014						
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
4G671	Geotechnical Engineering II	4	0		4	30	70	100
4G672	Finite Element Methods	4	0		4	30	70	100
4G673	Bridge Engineering	4	0		4	30	70	100
4G674	Concrete Technology	4	0		4	30	70	100
ELECTIVE –I								
4G675	Earthquake Resistant Design	4	0		4	30	70	100
4G676	Railway Docks and Harbor Engineering							
4G677	Traffic Engineering							
4G678	Construction Planning and Project Management							
ELECTIVE –II								
4G679	Industrial Waste and Waste Water manage	4	0		4	30	70	100
4G67A	Air Pollution and Control							
4G67B	Water Resources System Planning and Management							
4G67C	Construction Technology and Management							
4G67D	CAD lab for Civil Engineers	0	3		2	30	70	100
4G67E	Concrete and Highway Engineering Lab	0	2		2	30	70	100
4G67F	Comprehensive Civil Engineering	0	2		2	30	70	100
Total		24	8		30	270	630	900

Curriculum for the Programmes under Autonomous Scheme							
Regulation				R 2014			
Department				Department of Civil Engineering			
Programme Code & Name				G6, B.Tech Civil Engineering			
IV Year B.Tech II Semester							
Subject Code	Subject	Hours/Week		C	Maximum marks		
		L	P		Internal	External	Total
4G6S1	Design and Drawing of Irrigation Structures	4	0	4	30	70	100
4G6S2	Advanced Structural Engineering	4	0	4	30	70	100
ELECTIVE III							
4G6S3	Remote Sensing and GIS Applications	4	0	4	30	70	100
4G6S4	Ground Water Development and Management						
4G6S5	Ground Improvement Techniques						
4G6S6	Environmental Impact Assessment and management						
ELECTIVE IV							
4G6S7	Soil Dynamics and Machine Foundations	4	0	4	30	70	100
4G6S8	Advanced Structural Analysis						
4G6S9	Pre-stressed Concrete						
4G48B	Artificial Neural Networks						
4G6SA	Seminar - III	0	2	2	100	00	100
4G6SB	Project Work	0	12	12	30	70	100
Total		16	14	30	320	280	600

ANNEXURE-II

I year I semester

Subject Code	Subject	Hours/Week		C	Maximum marks		
		L	P		Internal	External	Total
4PEC14	Computational Methods	4	0	4	40	60	100
4PT611	Matrix Methods of Structural Analysis	4	0	4	40	60	100
4PT612	Theory of Elasticity	4	0	4	40	60	100
4PT613	Theory and Analysis of Plates	4	0	4	40	60	100
ELECTIVE -I							
4PT614	Experimental Stress Analysis	4	0	4	40	60	100
4PT615	Advanced Reinforced Concrete Design						
4PT616	Cost Effective Housing Techniques						
ELECTIVE -II							
4PT617	Prestressed concrete	4	0	4	40	60	100

4PT618	Maintenance and Rehabilitation of Structures						
4PT619	Advanced Foundation Engineering						
4PT61A	Advanced Concrete Technology Lab	0	3	2	40	60	100
4PT61B	Seminar-I	0	2	2	100	00	100
Total		24	8	30	380	420	800

I year II semester

Subject Code	Subject	Hours/Week		C	Maximum marks		
		L	P		Internal	External	Total
4PT621	Structural dynamics	4	0	4	40	60	100
4PT622	Finite element analysis of structures	4	0	4	40	60	100
4PT623	Stability of structures	4	0	4	40	60	100
4PT624	Analysis of Shells folded plates	4	0	4	40	60	100
ELECTIVE -III							
4PT625	Design of bridges	4	0	4	40	60	100
4PT626	Advanced concrete technology						
4PT627	Earthquake Resistance structures						
ELECTIVE -IV							
4PT628	Advanced steel design	4	0	4	40	60	100
4PT629	Building construction management						
4PT62A	Fracture mechanics						
4PT62B	Advanced concrete technology laboratory-II	0	3	2	40	60	100
4PT62C	Seminar-II	0	2	2	100	00	100
Total		24	8	30	380	420	800

III & IV SEMESTERS:

Subject Code	Course Name	Credits	Maximum marks		
			Internal	External	Total
4P7231	PROJECT WORK	16	GRADE (A/B/C)		
	TOTAL	16	GRADE		

	REMOTE SENSING AND GIS APPLICATIONS	-	-
35	GROUND WATER DEVELOPMENT AND MANAGEMENT	-	-
36	GROUND IMPROVEMENT TECHNIQUES	-	-
37	ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT	GEOSYNTHETICS	-
38	SOIL DYNAMICS AND MACHINE FOUNDATIONS	-	-
39	ADVANCED STRUCTURAL ANALYSIS	-	-
40	PRESTRESSED CONCRETE	-	-