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

5th BOS Meeting : 2014-2015

Date: 28-12-2014

The minutes of Board of Studies held at 10:00 AM on Sunday 28-12-2014 at institute premises AITS, Rajampet.

Agenda:

- To finalize the course structure, Regulations and syllabi of R-14 for the M.Tech (Machine Design).

The following are the members of committee :

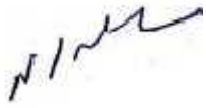
Members of BOS:

1. **Prof N.Sivarami reddy** — Chairman
   Professor & Head, Dept.of ME, AITS, Rajampet. — _ Present.
2. **Sri M Maruthi Prasad** — Member
   Associate Professor, Dept.of ME, AITS, Rajampet. — _ Present.
3. **Sri H. Suresh Babu Rao** — Member
   Assistant Professor, Dept.of ME, AITS, Rajampet. — _ Present.
4. **Dr G. Krishnaiah** — University Nominee
   Professor, Dept. of ME, AITS, Tirupati — Present.
5. **Prof G.Jayachandra reddy** — Subject Expert
   Principal, YSRCE of Yogivemana university, Proddutur — _ Present

Prof N Siva Rami Reddy, Head of the department, Department of Mechanical Engineering & chairman of the Board of Studies welcomed the members. All the members also introduced themselves before the starting of the meeting.

After the Discussion the following resolutions are made

- The course structure and syllabi for M.Tech (Machine Design) Programme are finalized.
- The contents in the subjects of M.Tech (CAD/CAM) are modified.
- Introduced a new value added course for M.Tech I Sem i.e., Research Methodology.
- The course structure is enclosed as Annexure I.



Prof.N.Sivarami Reddy

Chairman

Annamacharya Institute of Technology and Sciences, Rajampet.

Curriculum for the Programmes under Autonomous Scheme

Regulation	R 2014
Department	Department of Mechanical Engineering
Programme Code & Name	cc : M.Tech. Machine Design

Semester I

Course Code	Course Name	Hours/ Week		Credit	Maximum marks		
		L	P	C	Internal	External	Total
4PEC14	Computational Methods	4	0	4	40	60	100
4PF511	Advanced Mechanisms	4	0	4	40	60	100
4PF512	Advanced Mechanics of Solids	4	0	4	40	60	100
4PF513	Fracture Mechanics	4	0	4	40	60	100
4PF514	Materials Technology	4	0	4	40	60	100
4PF515 4PF516 4PF517	Elective - I Tribology Gear Engineering Non-Destructive Evaluation	4	0	4	40	60	100
4PF518	Seminar – I	0	0	2	100	00	100
4PF519	Modeling and Analysis Laboratory	0	3	4	40	60	100
Total		24	3	30	800		

Semester II							
Course Code	Course Name	Hours/ Week		Credit	Maximum marks		
		L	P	C	Internal	External	Total
4PE521	Advanced Optimization Techniques	4	0	4	40	60	100
4PE522	Robotics	4	0	4	40	60	100
4PF521	Mechanical Vibrations	4	0	4	40	60	100
4PF522	Mechanics of Composite Materials	4	0	4	40	60	100
4PF523	Theory of Plasticity	4	0	4	40	60	100
4PF524 4PF525 4PF526	Elective - II Design for Manufacturing Design of Material Handling Equipment Pressure Vessel Design	4	0	4	40	60	100
4PF527	Seminar – II	0	0	2	100	00	100
4PF528	Machine Dynamics Laboratory	0	3	4	40	60	100
Total		24	3	30	800		

Semester III & IV					
Course Code	Course Name	Credit	Maximum Marks		
		C	Internal	External	Total
4PF531	Project	16	40	60	100