

### BOARD OF STUDIES MEETING

Agenda of first Board of Studies Meeting of Department of Mechanical Engineering, Swarnandhra College of Engineering & Technology (Autonomous) on 31-08-2014 at 11:00 AM.

1. Constitution of Board of Studies
2. Introduction of the Members of Board of Studies
3. Autonomy at Department level.
4. Views on Academic Regulations – Course Structure – Autonomous.
5. Finalization of I & II Sem., subjects syllabus of respective departments from Academic Year 2014-15.
6. Finalization of Sem. wise course structure i.e. 1<sup>st</sup> to 8<sup>th</sup> Semester for the admitted batch of students from the Academic Year 2014-15.
7. Employability Skills among the students-Improvement.
8. Industry, Institute interaction-Suggestions for Excellence.
9. Any other matter with the permission of chair.



#### MEMBERS ATTENDED FOR BOS MEETING

A. Gopichand.  
CHAIRMAN

**BOARD OF STUDIES**  
Department of MECH ENGE  
Swarnandhra College of Engineering & Technology

S.NO	NAME	BOS- DESIGNATION	SIGNATURE
1.	A. GOPICHAND.	CHAIRMAN	A. Gopichand.
2.	Dr. K. GOVINDA RAJULU	SUBJECT EXPERT NOMINATED BY V.C.	<i>[Signature]</i>
3.	Dr. P. BANGARU BABU	SUBJECT EXPERT. NOMINATED BY A.C.	<i>[Signature]</i>
4.	R. SATYANARAYANA	INDUSTRIAL EXPERT	<i>[Signature]</i>
5.	B. SRINIIVAS	INTERNAL MEMBER	<i>[Signature]</i>
6.	D. BHANU PRAKASH	INTERNAL MEMBER	<i>[Signature]</i>
7.	R. SAM SUKUMAR	INTERNAL MEMBER	<i>[Signature]</i>
8.	P. SATYANARAYANA RAJU	INTERNAL MEMBER	<i>[Signature]</i>

**MINUTES OF BOARD OF STUDIES(UG)**  
**MECHANICAL ENGINEERING DEPARTMENT**

**VENUE:** CAD/CAM LAB

**DATE:** 31-08-2014

**TIME:** 11:00 AM

1. BOS of department of mechanical engineering, Swarnandhra College of engineering and technology, (Autonomous) is hereby constituted and made functional as per the nominations of academic council and vice chancellor.

2. Chairman has introduced all the members to each other

3. Discussed about the need of autonomy for Mechanical engineering department to incorporate the necessary subjects and labs to meet the current needs of industry and society.

4. **ACADAMIC REGULATIONS COURSE STRUCTURE:-**

Academic regulations are discussed and suggested that **180 credits** to be allotted for the B.Tech regulations. The BOS committee suggested CGPA system with 10 point scale. The BOS suggested three credits for theory subject (3 Regular hours + 1 tutorial hour) and two credits for laboratories.

5. **FINALIZATION OF I & II SEMESTER SUBJECTS SYLLABUS OF MECHANICAL ENGINEERING DEPARTMENT FROM THE ACADEMIC YEAR 2014 – 2015:**

- The BOS committee suggested Engineering Mechanics in the II – semester instead of III rd semester.
- The syllabuses for "Engineering drawing, Engineering workshop and Engineering mechanics" are finalized.
- BOS compared the "ENGINEERING DRAWING, ENGINEERING MECHANICS & ENGINEERING WORKSHOP" syllabus with JNTUK and approved the revised syllabus.
- In engineering drawing syllabus more importance is given to the geometric constructions like cycloids in place of scales. Isometric projections of planes and simple solids are included.
- In Engineering mechanics the concept of friction is more emphasized by way of separating it as another "unit" instead of a topic in equilibrium of forces like graphical method for the equilibrium of co-planer forces.

6. FINALIZATION OF SEMESTER WISE COURSE STRUCTURE i.e. 1<sup>ST</sup> TO 8<sup>TH</sup> SEMESTER FOR THE ADMITTED BATCH OF STUDENTS FROM THE ACADEMIC YEAR 2014-2015:

- Committee suggested to incorporate more than three titles in each elective. They also suggested each elective group should contain the subjects from different topics of specialization.
- The BOS suggested the following subjects as electives.
  - a). PIPE LINE DESIGN
  - b). GREEN ENGINEERING
  - c). FIRE SAFETY
  - d). SOLAR ENERGY
- Production drawing to be incorporated in the course structure. The subjected IPR & PROFESSIONAL ETHICS to be shifted from IV semester to VIII semester.
- The following subjects "OOPS THROUGH JAVA, PROBABILITY AND STATISTICS, SEMINAR, TECHNICAL PAPER, SOFTSKILLS and Comprehensive Viva" are incorporated in the new course structure i.e. 1<sup>st</sup> to 8<sup>th</sup> semester for the admitted batch of students from the academic year 2014-2015.
- Refrigeration and air conditioning subjects are considered as core subject as of now it is Elective subject in JNTUK R13 regulations. The following core subjects in JNTUK R13 regulations "Unconventional machining process, Interactive computer graphics and Green engineering systems" are offered as elective subjects

7. EMPLOYABILITY SKILLS AMONG STUDENTS – IMPROVEMENT:-

By conducting MATLAB Work shop by NIT/IIT Professors the programming and employability skills will be improved. The students are encouraged towards social relevant projects to improve their creative thinking.

8. INDUSTRY-INSTITUTE INTERACTION FOR EXCELLENCE:

Internship for various industries to be encouraged. Guest lectures are to be arranged by the industrial experts and Alumni students who are working in different fields of industries.

9. ANY OTHER MATTER:-

Continuous evaluation is proposed. Power tools are to be introduced in the production technology lab or workshop.

10. The above amendments/changes are subjected to final approval of academic council



A. Forth L.

CHAIRMAN  
BOARD OF STUDIES  
Department of MECH