

2016-17

DEPARTMENT OF MECHANICAL ENGINEERING
SCHOOL OF ENGINEERING & TECHNOLOGY GGV, BILASPUR CG

MINUTES OF MEETING OF BOARD OF STUDIES

A meeting of board of studies of Department of Mechanical Engineering was held on 29/05/2017 at 11:00 AM at Room no.G-25 of New-IT building. Following members were present:-

1. Prof. N.D. Mittal,
Professor (Mechanical Engineering Department)
Maulana Azad National Institute of Technology, Bhopal (M.P.)
(External Expert Member)
2. Mr. Vivek Singh,
Executive Engineer, (Mech), Damodar Valley Corporation,
Koderma Thermal Power Station, Jharkhand
(Member of B.O.S. as an Industry Expert)
3. Dr. Rajesh Kuamr Bhushan,
H.O.D. Department Mechanical Engineering
(Chairman Board of Studies)
4. Mr. Prashant Kumar Jangde
Assistant Prof. Department of Mechanical Engineering
(Member Board of Studies)

In the meeting syllabus and scheme of B.Tech (Mechanical Engineering) from V Semester to VI Semester have been discussed in detail as per Choice Based Credit System (CBCS). The syllabus and scheme of B.Tech (Mechanical Engineering) Vth Semester and VIth Semester have been approved by the B.O.S. members, Revised syllabus is attached with the minutes. Syllabus from VII semester to VIII semester will be put in forthcoming B.O.S. meeting for approval after required correction. The seminar subject (EIPHDS01) is already approved in the scheme for pre-PhD course work, this may be read as qualified/not qualified. Corrected scheme is attached with minutes.


General
29-05-17

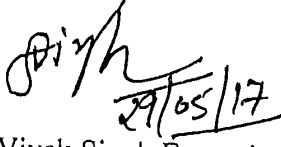
Jangde
29.05.17

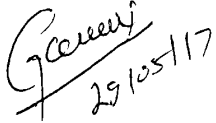
Singh
29/05/17

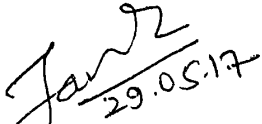
Mittal
29.5.17

- The B.O.S. meeting was concluded with vote of thanks.


Prof. N.D. Mittal,
Professor (Mechanical
Engineering Department)
Maulana Azad National
Institute of Technology,
Bhopal (M.P.)
(External Member))


Mr. Vivek Singh, Executive
Engineer, (Mech), Damodar
Valley Corporation,
Koderma Thermal Power
Station, Jharkhand
(Member of B.O.S. as an
Industry Expert)


Dr. Rajesh Kuamr Bhushan,
H.O.D. Department of
Mechanical Engineering
(Chairman Board of Studies)


Mr. Prashant Kumar Jangde
Assistant Prof. Department of
Mechanical Engineering
(Member Board of Studies)

3RD YEAR 2017

Department of Mechanical Engineering, School of Engineering & Technology, GGV, Bilaspur (C.G.)

Changes in syllabus of B. Tech. 3rd year (V & VI Sem) Mechanical Engineering BoS 29-05-17)

The following changes have been incorporated in the course syllabus of B. Tech. 3rd Year Mechanical Engineering as per the discussion in BoS meeting held in the department. The complete V and VI semester syllabus along with the evaluation scheme is appended for your reference. Salient aspects of the revisions made are listed below.

1. **Industrial Engineering** subjects remove from compulsory subject and added as professional Elective in 5th semester.
2. 1 subject added from open elective in 5th semester (**Innovative & Entrepreneurial Skills**).
3. **Measurement Metrology & Control** subject removed from compulsory subject to professional elective subject in 6th semester.
4. 1 subject added as an open elective in 6th semester (**Safety Engineering**).
5. **Seminar** is added in 6th semester as a lab.
6. Total subject credits in 6th semester have been increased from 20 to 21 credits.

Objectives of the Program

- I. To produce competent, creative and imaginative engineers.
- II. To create an intellectual reservoir to meet the growing engineer demands of the nation.
- III. To inculcate in the student concepts and intellectual skills, courage and integrity.
- IV. To help the graduates to make their way in the society with proper scientific and technical knowledge in mechanical engineering.
- V. To help the graduates in design and analysis of mechanical systems with strong fundamentals and methods of synthesis.

Learning Outcomes

- i. Ability to apply knowledge of mechanical engineering fundamentals for solving problems.
- ii. Ability to design and develop mechanical components and processes to meet desired needs considering various aspects.
- iii. Ability to understand and investigate complex mechanical engineering problems experimentally.
- iv. Ability to develop sustainable solutions and understand their impact on society and environment.
- v. Ability to function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.
- vi. Ability to comprehend, design documentation, write effective reports. make effective presentations to the engineering community and society at large.
- vii. Ability to apply knowledge of engineering to lead teams and manage projects in multidisciplinary environments.
- viii. Ability to engage in independent and life-long learning in the broad context of technological changes and advancements.



INSTITUTE OF TECHNOLOGY, (SCHOOL OF ENGINEERING & TECHNOLOGY)
GURU GHASIDAS VISHWAVIDHALAYA, (A CENTRAL UNIVERSITY)

DEPARTMENT OF MECHANICAL ENGINEERING

STUDY & EVALUATION SCHEME

W.E.P. SESSION 2017-2018

Year: B.Tech. III year

SEMESTER-V

S. No.	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	ME5TPC07	Machine Design-I	3	1	0	40	60	100	4
2.	ME5TPC08	Mechanics of Solid-II	3	1	0	40	60	100	4
3.	ME5TPC09	Fluid Machinery	3	0	0	40	60	100	3
4.	ME5TPC10	Internal Combustion Engine	3	0	0	40	60	100	3
5.	ME5TPE02	Professional Elective-PE2	3	0	0	40	60	100	3
6.	ME5TOE01	Open Elective-OE1	3	0	0	40	60	100	3
Total			18	02	0	240	360	600	20
PRACTICALS									
1.	ME5LPC09	Fluid Machinery lab	-	-	3	30	20	50	2
2.	ME5LPC10	Internal Combustion Engine Lab	-	-	3	30	20	50	2
Total					6	60	40	100	04

Total Credits: 24

Total Contact Hour: 26

Total Marks: 700

*INTERNAL ASSESSMENT-(MSE- Mid Semester Examination of 20 Marks, Two Class Test/Assignment/Quizzes/Group Discussion etc.)

L-LECTURE, T-TUTORIAL, P-PRACTICAL, CT-CLASS TEST, E.S.E -END SEMESTER EXAMINATION.

Professional Elective-PE2	Open Elective-OE1
ME5TPE02	ME5TOE01
ME5TPE21 Industrial Engineering	ME5TOE11 Innovation and Technology Management
ME5TPE22 Technology and Management	ME5TOE12 Innovative & Entrepreneurial Skills
ME5TPE23 Simulation Modeling and Analysis	ME5TOE13 Financial Management
ME5TPE24 Material Management	ME5TOE14 Management Information System



**INSTITUTE OF TECHNOLOGY, (SCHOOL OF ENGINEERING & TECHNOLOGY)
GURU GHASIDAS VISHWAVIDYALAYA, (A CENTRAL UNIVERSITY)
DEPARTMENT OF MECHANICAL ENGINEERING
STUDY & EVALUATION SCHEME
W.E. SESSION 2017-2018**

at: B.Tech III year
SEMESTER-VI

S. No.	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	ME6TPC11	Dynamics of Machine	3	1	0	40	60	100	4
2.	ME6TPC12	Machine Design-II	3	1	0	40	60	100	4
3.	ME6TPC13	Heat & Mass Transfer	3	1	0	40	60	100	4
4.	ME6TPC14	Manufacturing Science-II	3	0	0	40	60	100	3
5.	ME6TPE03	Professional Elective-PE3	3	0	0	40	60	100	3
6.	ME6TOE02	Open Elective-OE02	3	0	0	40	60	100	3
Total			18	3		240	360	600	21
PRACTICALS									
7.	ME6LPC11	Dynamics of Machine Lab	-	-	3	45	30	75	2
8.	ME6LPC13	Heat & Mass Transfer Lab	-	-	3	45	30	75	2
9.	ME6LPS01	Seminar			3	50	-	50	2
Total					9	140	60	200	6

Total Credits: 27

Total Contact Hour: 30

Total Marks: 800

*INTERNAL ASSESSMENT-(MSE- Mid Semester Examination of 20 Marks, Two Class Test/Assignment/Quizzes/Group Discussion etc.)

L-LECTURE, T-TUTORIAL, P-PRACTICAL, CT-CLASS TEST, E.S.E -END SEMESTER EXAMINATION.

Professional Elective –PE3	Open Elective-OE2
----------------------------	-------------------

Department of Mechanical Engineering, School of Engineering & Technology, GGV, Bilaspur (C.G.)

ME6TPE03	ME6TOE02
ME6TPE31 Measurement Metrology and Control	ME6TOE21 Enterprise Resource Planning
ME6TPE32 Mechatronics	ME6TOE22 Decision support and Executive Information system
ME6TPE33 Industrial Automation	ME6TOE23 Soft Computing
ME6TPE34 Advanced Manufacturing System	ME6TOE24 Safety Engineering

Note: After the completion of semester exams, students will have to join industrial training of about minimum 4 weeks (5day week and 8 hours a day) in industry. The presentation and report of this will be given in 7th semester during defined schedule by Head of Department. The due credit will be awarded in 7th semester.