

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 24/04/2019 from 9:30AM, onwards at Room No.G-25 of New-IT building. Following members were present:-

1. Dr. Rajesh Kuamr Bhushan,
H.O.D. Department Mechanical Engineering
(Chairman Board of Studies)
2. Prof. Alok Satapathy
Professor NIT Rourkela
(External Subject Expert)
3. Mrs. Shweta Singh
Assistant Prof. Department of Mechanical Engineering
(Member Board of Studies)
4. Mr Leeladhar Rajput
Assistant Professor Department Industrial and Production Engineering
(Invited Member)
5. Dr. C.P. Dhuri
Assistant Professor Department of Pure and Applied Mathematics
(Invited Member)

Mr. Vivek Singh, Executive Engineer (Mech), Damodar Valley Corporation, (Member of B.O.S. as an Industry xpert) could not attend the BOS meeting due to health problem. The syllabus of B.Tech and M.Tech were sent to him through email and he has mailed his suggestions, which were discussed and incorporated as per opinion of other board members.

Signature
24.04.19

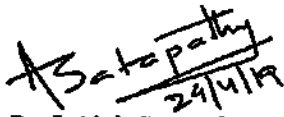
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In the meeting syllabus and scheme of B.Tech (Mechanical Engineering) from III Semester to IV Semester as per Choice Based Credit System (CBCS), The syllabus and scheme of M.Tech I and II semester (Machine Design) and PhD course work have been discussed in detail. The syllabus and scheme of B.Tech (Mechanical Engineering) III Semester and IV Semester, M.Tech I and II semester (Machine Design), PhD course work are approved by the B.O.S. members, revised syllabus is attached with the minutes.

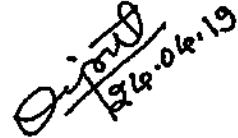
The B.O.S. meeting was concluded with vote of thanks.


29/4/19

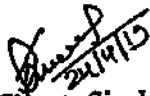
Prof. Alok Satapathy
Professor NIT
Rourkela (External
Subject Expert)


24/4/19

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


24.04.19

Mr Leeladhar Rajput
Assistant Professor
Department of Industrial and
Production Engineering
(Invited Member)


22/4/19

Mrs. Shweta Singh
Assistant Prof.
Department of Mechanical
Engineering (Member BOS)


24/04/19

Dr. C.P. Dhuri
Assistant Professor
Department of Pure and
Applied Mathematics
(Invited Member)

Changes in syllabus of B. Tech. 2nd year (III & IV Sem) Mechanical Engineering BoS 24-04-2019

The following changes have been incorporated in the course syllabus of B. Tech. 2nd Year Mechanical Engineering as per the discussion in BoS meeting held in the department. The complete III and IV semester syllabus along with the evaluation scheme is appended for your reference. Salient aspects of the revisions made are listed below.

1. **Material Science & Metallurgy**- subjects remove from compulsory subject and added as professional elective in 3rd semester.
2. **Engineering Thermodynamics**- Applied Thermodynamics and Engineering Thermodynamics has been merged and added as a compulsory subject in 3rd semester as Engineering Thermodynamics.
Reasons and Benefits: To compensate the latest syllabus and scheme as described by AICET.
3. **Electrical Machine**- This subject has removed from 4th semester.
Reasons:- To compensate the latest syllabus and scheme as described by AICET.
4. **Dynamics of Machine**- This subject has been added as a compulsory subject in 4th semester from the list of 6th semester compulsory subjects.
Reasons and Benefits: To keep Kinematics of Machine and Dynamics of Machine in continuation.

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.



GURU GHASIDAS VISHWAVIDHALAYA, (A CENTRAL UNIVERSITY)
DEPARTMENT OF MECHANICAL ENGINEERING
CBCS-NEW, STUDY & EVALUATION SCHEME
W.E.F. SESSION 2019-2020

Year: B.Tech. 2ND year
SEMESTER- III

SN	Course Code	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	ME03THS02	Elective from Humanity Science HS-02	3	0	-	30	70	100	3
2.	ME03TBS05	Statistical Methods	3	1	-	30	70	100	4
3.	ME03TPC01	Mechanics of Solid-I	3	1	-	30	70	100	4
4.	ME03TPC02	Kinematics of Machine	3	1	-	30	70	100	4
5.	ME03TES04	Engineering Thermodynamics	3	1	-	30	70	100	4
6.	ME03TPE01	Professional Electives-01	3	0	-	30	70	100	3
Total			18	4	-	180	420	600	22
PRACTICALS									
1.	ME03PPC01	Mechanics of Solid-I Lab	-	-	2	30	20	50	1
2.	ME03PPC02	Kinematics of Machine Lab	-	-	2	30	20	50	1
Total			0	0	4	60	40	100	2

Total Credits: 24

Total Contact Hour: 26

Total Marks: 700

*INTERNAL ASSESSMENT- Two Class Test of 15 Marks each will be conducted.

L-LECTURE, T-TUTORIAL, P-PRACTICAL, ESE –END SEMESTER EXAMINATION

ME03THS02 Electives from Humanity Science-02	ME03TPE01 Professional Electives-01
ME03THS21 Engineering Economics	ME03TPE11 Material Science & Metallurgy
ME03THS22 Work study and ergonomics	ME03TPE12 Powder Metallurgy
ME03THS23 Employee Relations	ME03TPE13 Material Management

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W.E.F. SESSION 2019-2020

Year: B.Tech. 2ND year

SEMESTER- IV

SN	Course Code	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	ME04THS03	Elective from Humanity Science HS-03	3	0	-	30	70	100	3
2.	ME04TBS06	Numerical Analysis & Computer Programming	3	1	-	30	70	100	4
3.	ME04TPC03	Fluid Mechanics	3	1	-	30	70	100	4
4.	ME04TPC04	Dynamics of Machine	3	1	-	30	70	100	4
5.	ME04TPC05	Machine Drawing	3	0	-	30	70	100	3
6.	ME04TPC06	Manufacturing Science-I	3	0	-	30	70	100	3
Total			18	3	-	180	420	600	21
PRACTICALS									
1.	ME04PPC03	Fluid Mechanics Lab	-	-	2	30	20	50	1
2.	ME04PPC04	Dynamics of Machine Lab	-	-	2	30	20	50	1
Total			0	0	4	60	40	100	2

Total Credits: 23

Total Contact Hour: 25

Total Marks: 700

*INTERNAL ASSESSMENT- Two Class Test of 15 Marks each will be conducted.

L-LECTURE, T-TUTORIAL, P-PRACTICAL, ESE –END SEMESTER EXAMINATION

ME04THS03 Electives from Humanity Science-03
ME04THS31 Business Communication and Presentation Skill
ME04THS32 Renewable energy system and management
ME04THS33 Energy and environment management