



List of Revised Courses

Department : Industrial and Production Engineering

Programme Name : B.Tech.

Academic Year : 2021-22

List of Revised Courses

Sr. No.	Course Code	Name of the Course
01.	MA203TBS05	NumericalMethods
02.	IP203TES06	Engineering Thermodynamics
03.	IP203TPC01	Strength Of Materials
04.	IP203TPC02	Theory ofMachines
05.	IP203TPC03	Manufacturing Processes- I
06.	IP203PPC01	Theory Of Machines Lab
07.	IP203PPC02	Material TestingLab
08.	IP203PBS03	Programming In C & MATLAB
09.	MA204TBS06	Statistical Methods
10.	IP204TPC04	Marketing Management
11.	IP204TPC05	Material Science
12.	IP204TPC06	Fluid Mechanics
13.	IP204TPC07	ManufacturingProcesses-II
14.	EN204THS02	Business Communicationand Presentation Skill
15.	IP204PPC03	Modelling Software Lab
16.	IP204PPC04	Fluid Mechanics Lab
17.	IP07TPC14	Computer AidedDesign & Manufacturing
18.	IP07TPC15	Production Planning And Control
19.	IP07PPC08	CAD/CAM Lab
20.	IP07PSC02	Seminar On Summer Training
21.	IP07TPE52	Product Design & Development
22.	IP07TPE53	Engineering Economics

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
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Koni, Bilaspur - 495009 (C.G.)

23.	IP07TOE22	Principles of Management
24.	IP08TPC16	Robotics And Robot Applications
25.	IP08TOE41	Supply Chain Management
26.	IP08TOE42	Composite Materials Technology



Minutes of Meetings (MoM) of Board of Studies (BoS)

Academic Year : 2021-22

School : School of Studies of Engineering and Technology

Department : Industrial and Production Engineering

Date and Time : September 30, 2021- 12:00 PM

Venue : Online

The scheduled meeting of member of Board of Studies (BoS) of Department of Industrial and Production Engineering, School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B. Tech. Second year (III and IV semesters) scheme and syllabi.

The following members were present in the meeting:

1. Prof. G.K. Agrawal (External Expert Member BoS, Professor, GEC Bilaspur)
2. Mr. Dalbir Singh Rekhi (Member BoS Industry Expert, J.S.P.L. Raigarh CG.)
3. Prof. Mukesh Kumar Singh (Member BoS, Professor, Dept. of Industrial and Production Engineering)
4. Prof. S.C. Srivastava (HOD, Assistant Prof., Dept. of Industrial and Production Engineering-cum Chairman, BOS)
5. Mr. C.P. Dewangan (Member BoS, Associate Professor, Dept. of Industrial and Production Engineering)
6. Mrs. Disha Dewangan (Member BoS, Assistant Professor, Dept. of Industrial and Production Engineering)
7. Mrs. Arpita Roy Choudhary (Invited Member, Professor, Dept. of Industrial and Production Engineering)
8. Mr. Ganesh Prasad Shukla (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering)
9. Mr. Kailas Kumar Borkar (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).
10. Mr. Leeladhar Rajput (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).
11. Mr. Anurag Singh (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).
12. Mr. Kawal Lal Kurrey (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).

Following points were discussed during the meeting

1. In the meeting, New Choice Based Credit System(CBCS) scheme and syllabus of B.Tech III and IV semester (Industrial and Production Engineering) were discussed in details. All suggestion of the members are incorporated and modified and then recommended for approval.



2. The New CBCS scheme and syllabus of B.Tech (Industrial and Production Engineering) III,IV semester have been accepted by the BOS (I.P.E.)

The committee discussed and approved the scheme and syllabi. The following courses were revised in the of B. Tech. second year (III and IV Semesters):

Numerical Methods	(MA203TBS05)
Engineering Thermodynamics	(IP203TES06)
Strength Of Materials	(IP203TPC01)
Theory of Machines	(IP203TPC02)
Manufacturing Processes- I	(IP203TPC03)
Theory Of Machines Lab	(IP203PPC01)
Material Testing Lab	(IP203PPC02)
Programming In C & MATLAB	(IP203PBS03)
Statistical Methods	(MA204TBS06)
Marketing Management	(IP204TPC04)
Material Science	(IP204TPC05)
Fluid Mechanics	(IP204TPC06)
Manufacturing Processes-II	(IP204TPC07)
Business Communication and Presentation Skill	(EN204THS02)
Modelling Software Lab	(IP204PPC03)
Fluid Mechanics Lab	(IP204PPC04)

विभागाध्यक्ष/Head
औद्योगिक एवं उत्पादन अभियांत्रिकी
Industrial & Production Engineering
सौद्योगिकी संस्थान/Engineering & Technology
गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)

Signature & Seal of HoD



Minutes of Meetings (MoM) of Board of Studies (BoS)

Academic Year : 2021-22

School : School of Studies of Engineering and Technology

Department : Industrial and Production Engineering

Date and Time : July 23, 2021 - 11:00 AM

Venue : Online

The scheduled meeting of member of Board of Studies (BoS) of Department of Industrial and Production Engineering, School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur was held to design and discuss the B. Tech. Fourth year (VII and VIII semesters) scheme and syllabi.

The following members were present in the meeting:

1. Prof. G.K. Agrawal (External Expert Member BoS, Professor, GEC Bilaspur)
2. Mr. Dalbir Singh Rekhi (Member BoS Industry Expert, J.S.P.L. Raigarh CG.)
3. Prof. Mukesh Kumar Singh (Member BoS, Professor, Dept. of Industrial and Production Engineering)
4. Prof. S.C. Srivastava (HOD, Prof., Dept. of Industrial and Production Engineering-cum Chairman, BOS)
5. Mr. C.P. Dewangan (Member BoS, Associate Professor, Dept. of Industrial and Production Engineering)
6. Mrs. Disha Dewangan (Member BoS, Assistant Professor, Dept. of Industrial and Production Engineering)
7. Mrs. Arpita Roy Choudhary (Invited Member, Professor, Dept. of Industrial and Production Engineering)
8. Dr. Atul Kumar Sahu (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering)
9. Mr. Ganesh Prasad Shukla (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering)
10. Mr. Nitin Kumar Sahu (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering)
11. Mr. Kailas Kumar Borkar (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).
12. Mr. Leeladhar Rajput (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).
13. Mr. Anurag Singh (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).



14. Mr. Kawal Lal Kurrey (Invited Member, Assistant Professor, Dept. of Industrial and Production Engineering).

Following points were discussed during the meeting

1. In the meeting, New Choice Based Credit System(CBCS) scheme and syllabus of B.Tech VII and VIII semester (Industrial and Production Engineering) were discussed in details. All suggestion of the members are incorporated and modified and then recommended for approval.
2. The New CBCS scheme and syllabus of B.Tech (Industrial and Production Engineering) VII and VIII semester have been accepted by the BOS (I.P.E.)

The following courses were revised in the of B. Tech. Final year (VII and VIII Semesters):

1	Computer Aided Design & Manufacturing	(IP07TPC14)
2	Production Planning And Control	(IP07TPC15)
3	CAD/CAM Lab	(IP07PPC08)
4	Seminar On Summer Training	(IP07PSC02)
5	Product Design & Development	(IP07TPE52)
6	Engineering Economics	(IP07TPE53)
7	Principles of Management	(IP07TOE22)
8	Robotics And Robot Applications	(IP08TPC16)
9	Supply Chain Management	(IP08TOE41)
10	Composite Materials Technology	(IP08TOE42)

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Signature & Seal of HoD

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DEPARTMENT OF INDUSTRIAL & PRODUCTION ENGINEERING, GGV, BILASPUR CG

GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY), BILASPUR, CG
SCHOOL OF STUDIES IN ENGINEERING AND TECHNOLOGY

Department of Industrial & Production Engineering

CBCS–New, Scheme of Teaching & Examination

W.E.F. Session: 2021–22

B. TECH SECOND YEAR, III SEMESTER

SN	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	MA203TBS05	Numerical Methods	3	1	–	30	70	100	4
2.	IP203TES06	Engineering Thermodynamics	3	1	–	30	70	100	4
3.	IP203TPC01	Strength of Materials	3	1	–	30	70	100	4
4.	IP203TPC02	Theory of Machines	3	1	–	30	70	100	4
5.	IP203TPC03	Manufacturing Processes– I	3	–	–	30	70	100	3
Total			15	4	–	150	350	500	19
PRACTICALS									
1.	IP203PPC01	Theory of Machines Lab	–	–	2	30	20	50	1
2.	IP203PPC02	Material Testing Lab	–	–	2	30	20	50	1
3.	IP203PBS03	Programming in C & MATLAB	–	–	2	30	20	50	1
Total			–	–	6	90	60	150	3

Total Credits: **22**

Total Contact Hour: **25**

Total Marks: **650**

INTERNAL ASSESSMENT: – Two class tests of 15 marks each will be conducted.

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



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Department of Industrial & Production Engineering

CBCS–New, Scheme of Teaching & Examination

W.E.F. Session: 2021–22

B. TECH SECOND YEAR, IV SEMESTER

SN	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	MA204TBS06	Statistical Methods	3	1	–	30	70	100	4
2.	IP204TPC04	Marketing Management	3	–	–	30	70	100	3
3.	IP204TPC05	Material Science	3	–	–	30	70	100	3
4.	IP204TPC06	Fluid Mechanics	3	1	–	30	70	100	4
5.	IP204TPC07	Manufacturing Processes–II	3	–	–	30	70	100	3
6.	EN204THS02	Business Communication and Presentation Skill	3	–	–	30	70	100	3
Total			18	2	–	180	420	600	20
PRACTICALS									
1.	IP204PPC03	Modelling Software Lab	–	–	2	30	20	50	1
2.	IP204PPC04	Fluid Mechanics Lab	–	–	2	30	20	50	1
Total			–	–	4	60	40	100	2

Total Credits: 22

Total Contact Hour: 24

Total Marks: 700

INTERNAL ASSESSMENT: –two class tests of 15 marks each will be conducted.

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



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Department of Industrial & Production Engineering

CBCS-New, Study & Evaluation Scheme W.E.F. Session: 2021-22

B. TECH FOURTH YEAR, VII SEMESTER

S. No	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	IP07TPC14	Computer Aided Design & Manufacturing	3	1	-	30	70	100	4
2.	IP07TPC15	Production Planning and Control	3	-	-	30	70	100	3
3.	IP07TPE05	Professional Elective-05	3	-	-	30	70	100	3
4.	IP07TOE02	Open Elective-02	3	-	-	30	70	100	3
5.	IP07TMC02	Indian Constitution	3	-	-	-	-	-	-
Total			15	1	-	120	280	400	13
PRACTICALS									
1.	IP07PPC08	CAD/CAM Lab	-	-	2	30	20	50	1
2.	IP07PSC02	Seminar on Summer Training	-	-	4	50	-	50	2
3.	IP07PPR01	Minor Project	-	-	8	100	-	100	4
Total			-	-	14	180	20	200	7

Total Credits: **20**

Total Contact Hour: **30**

Total Marks: **600**

INTERNAL ASSESSMENT: two class tests of 15 marks each will be conducted.

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

IP07TPE05 Professional Electives-05
IP07TPE51 Fundamentals of Green Manufacturing
IP07TPE52 Product Design & Development
IP07TPE53 Engineering Economics
IP07TOE02 Open Elective-02
IP07TOE21 Advanced Manufacturing Processes
IP07TOE22 Principles of Management
IP07TOE23 Maintenance Management



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Department of Industrial & Production Engineering

CBCS-New, Study & Evaluation Scheme W.E.F. Session: 2021-22

B. TECH FOURTH YEAR, VIII SEMESTER

SN	Course No.	SUBJECT	PERIODS			EVALUATION SCHEME			CREDITS
			L	T	P	INTERNAL ASSESSMENT	ESE	SUB-TOTAL	
1.	IP08TPC16	Robotics and Robot Applications	3	1	-	30	70	100	4
2.	IP08THS04	Electives from Humanity Science-04	3	-	-	30	70	100	3
3.	IP08TOE03	Open Elective-03	3	-	-	30	70	100	3
4.	IP08TOE04	Open Elective-04	3	-	-	30	70	100	3
5.	IP08TMC03	Essence of Indian Traditional Knowledge	3	-	-	-	-	-	-
Total			15	1	-	120	280	400	13
PRACTICALS									
1.	IP08PPR02	Major Project	-	-	12	120	80	200	6
2.	IP08PPC01	Comprehensive Viva	-	-	-	-	50	50	2
Total			-	-	12	120	130	250	8

Total Credits: **21**

Total Contact Hour: **28**

Total Marks: **650**

INTERNAL ASSESSMENT: -two class tests of 15 marks each will be conducted.

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

IP08THS04 Electives from Humanity Science-04
IP08THS41 Intellectual Property Rights
IP08THS42 Safety Management and Labour Law
IP08TOE03 Open Elective-03
IP08TOE31 Computer Aided Process Planning
IP08TOE32 Microprocessors in Automation
IP08TOE04 Open Elective-04
IP08TOE41 Supply Chain Management
IP08TOE42 Composite Materials Technology

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