

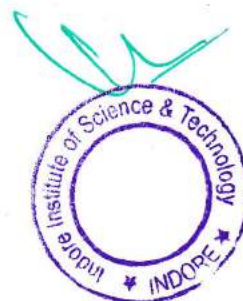
1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented.

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented:

HEI Input: 11

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Summary of the Programmes in which CBCS/ Elective course system implemented.

Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system
UG - ME	B.Tech.(Mechanical Engineering)	2003	Yes	2015 / 2005
UG - EC	B.Tech.(Electronics & Communication Engineering)	2003	Yes	2015 / 2005
UG - CSE	B.Tech.(Computer Science & Engineering)	2003	Yes	2015 / 2005
UG - IT	B.Tech.(Information Technology)	2007	Yes	2015 / 2009
UG - CM	B.Tech.(Chemical Engineering)	2012	Yes	2015 / 2014
UG - CE	B.Tech.(Civil Engineering)	2012	Yes	2015 / 2014
UG - AIML	B.Tech.(Artificial Intelligence & Machine Learning)	2021	Yes	2021 / 2021
UG - CSEITCS	B.Tech.(Computer Science and Engineering (Internet of Things and Cyber Security including Block Chain Technology))	2022	Yes	2022 / 2022
PG - CSE	M.E. (Computer Science & Engineering)	2011	Yes	2015 / 2012
PG - MD	M.E. (Machine Design)	2009	Yes	2015 / 2010
PG - DC	M.E. (Digital Communications)	2009	Yes	2015 / 2010



University Ordinance highlights that CBCS is implemented in year 2015.

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
Established Under Act No.13 of 1998

Ordinance No 4(B)

Section 40(1)

Ordinance for Bachelor of Engineering 4 year Degree Programme
(For the candidates admitted in 1st year on and after July 2015)

(Under Choice Based Credit System (CBCS) applicable on and after July 2015

(Approved on 28 Nov. 2015)

- 1.0 The Bachelor of Engineering shall be a four years (eight semesters) programme.
- 2.0 **ADMISSION**
 - 2.1 Admission to four years (eight semesters) degree programme shall take place on the basis of Gazette notification issued by Government of Madhya Pradesh from time to time.
- 3.0 **STRUCTURE OF BACHELOR OF ENGINEERING (BE) PROGRAMME**
 - 3.1 For the award of degree in any branch of four years degree programme, a student has to earn a minimum of 180 credits.
 - 3.2 There shall be at least fourteen weeks of teaching in every semester.
 - 3.3 The curriculum and syllabi of each programme (such as electrical engineering, mechanical engineering etc.) shall be notified by the University from time to time after due consultation process.
 - 3.4 The structure of UG programme shall consist of the following: Foundation Courses (Basic Sciences, Engineering Arts & Sciences, Humanities, and Social Science & Management), Departmental Core, Departmental Electives and Open Category Electives distributed over eight semesters, with two semesters per academic year. The credit distribution under different categories is given below in table 1.

Table 1 Category-wise range of assigned credits

Categories of Courses	Assigned Range for Credits	
Basic Science Core:	15-20	45-60
Engineering Arts & Sciences Core:	15-20	
Humanities & Social Science Core:	15-20	
Departmental Core including major project work of 8 credits:	70-84	70-84
Departmental Electives:	20-30	20-30
Open Electives:	20-30	20-30
TOTAL	180	



$$CGPA = \frac{\sum_{j=1}^m SG_j NC_j}{\sum_{j=1}^m NC_j}$$

Where NC_j is the number of total credits offered in the j^{th} semester, SG_j is the SGPA earned in the j^{th} semester, where $j = 1, 2, 3 \dots m$ are the number of semesters in that course.

11 CONDONATION OF DEFICIENCY

- 11.1 Deficiency up to three marks can be condoned in any one of the subject (theory or practical) to the best of the advantage of the student for passing the examinations. The deficiency can be condoned in not more than two subjects (theory and practical of the same subject shall be considered as two separate subjects, for the purpose of awarding grace).
- 11.2 A candidate securing minimum passing grades in all theory and practical papers but failing to secure minimum CGPA of 5.0 shall be condoned by a margin of 0.01 CGPA.
- 11.3 The candidate whose distinction or first division is affected by 0.01 of CGPA shall be eligible for Condonation of 0.01 CGPA on behalf of the Vice-Chancellor for which the candidate has to apply separately.

Registrar
Rajiv Gandhi Proudhyogiki Vishwavidyalaya
Bhopal-462033



University Ordinance highlights that CBCS is implemented and revised in year 2017.

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

Established under Act No. 13 of 1998

Ordinance No.4 (C)

(Section 40 (1))

Ordinance for Bachelor of Technology 4 year Degree course

(For the Candidates admitted in 1st year on and after July, 2017)

(Under Choice Based Credit System)

- 1.0 The first degree in Technology of four-year (eight semester) course, hereinafter called 4-YDC, shall be designated as BACHELOR OF TECHNOLOGY, in respective Branch.
- 1.1 The studies and examinations of Bachelor of Technology courses (Approved by All India Council for Technical Education, New Delhi) shall be on the basis of Marks-Cum-Credit system but semester wise and final evaluation shall be by credit based grading system.
- 1.2 This Ordinance shall also be applicable to 4-Year Part-time B.Tech. Course, which are approved by the State Government of Madhya Pradesh and AICTE.

2.0 ADMISSIONS

- 2.1 Minimum qualification for admission into Bachelor of Technology Course shall be as per the prevalent norms of the State Government of Madhya Pradesh/AICTE/UGC for the course of Bachelor of Technology Course.
- 2.2 Minimum qualification for direct admission to second year Bachelor of Technology Course termed as Lateral Entry shall be as per the prevalent norms of the Government of Madhya Pradesh/AICTE.
- 2.3 The admissions to B.Tech. course shall be governed by the rules of the technical education and training department government of Madhya Pradesh Bhopal and/ or any other competent authority, appointed by the state Government of Madhya Pradesh, for this purpose.

3.0 STRUCTURE OF BACHELOR OF TECHNOLOGY (B.Tech.) PROGRAMME

- 3.1 The total credits for the award of B.Tech. degree in any branch shall lie between 160-200.
- 3.2 Minimum credits required to earn B.Tech. Degree in a particular branch shall be decided by the concerned Board of Studies (BOS), adhering to broad distribution of credits among various categories of courses as per details given in Table-1 below, and shall be approved by the standing committee of the Academic Council and the Executive Council of the University.



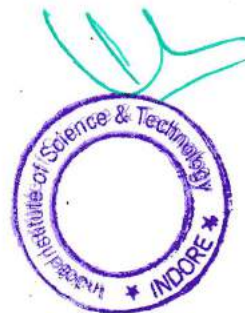
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10.1 Candidates appearing as regular students for any semester examination are required to attend minimum of 75 percent of the lectures delivered and the practical classes held separately in each subject of the course of study, provided that a short fall in attendance upto 10% and a further 5% can be condoned by the principal of the college and the Vice-Chancellor of the University, respectively, for satisfactory reasons.

11.0 MEDIUM OF INSTRUCTION AND EXAMINATION

11.1 The medium of instruction and examination shall normally be English throughout the course of study. However, a student can opt for writing the examination in Hindi provided that the student applies for the same at the start of the program. A student shall not be allowed to change the medium of examination during the duration of the course.

M N S
REGISTRAR
RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA
BHO PAL



University Ordinance highlights that CBCS / CBGS is implemented as per NEP in the year 2022.

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

Established under Act No. 13 of 1998

Ordinance No.4 (D)

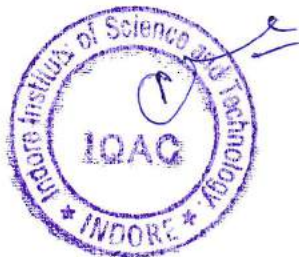
(Section 40 (1))

Ordinance for Bachelor of Technology 4 year Degree course

(For the Candidates admitted in 1st year on and after July, 2022)

(Under NEP 2020)

- 1.0 The first degree in Technology of four-year (eight semester) course, hereinafter called 4-YDC, shall be designated as BACHELOR OF TECHNOLOGY, in respective Branch.
- 1.1 The studies and examinations of Bachelor of Technology courses (Approved by All India Council for Technical Education, New Delhi) shall be on the basis of Marks-Cum-Credit system but semester wise and final evaluation shall be by credit based grading system.
- 1.2 This Ordinance shall also be applicable to 4-Year Part-time B.Tech. Course, which are approved by the State Government of Madhya Pradesh and AICTE.
- 2.0 **ADMISSIONS**
 - 2.1 Minimum qualification for admission into Bachelor of Technology course shall be as per the prevalent norms of the State Government of Madhya Pradesh/AICTE/UGC for the course of Bachelor of Technology course.
 - 2.2 Minimum qualification for direct admission to second year Bachelor of Technology Course termed as Lateral Entry shall be as per the prevalent norms of the Government of Madhya Pradesh/AICTE.
 - 2.3 The admission to B.Tech. course shall be governed by the rules of the technical education and training department government of Madhya Pradesh Bhopal and/or any other competent authority appointed by the state of the Government of Madhya, for this purpose.
- 3.0 **STRUCTURE of BACHELOR OF TECHNOLOGY(B.Tech.) PROGRAMME**
 - 3.1 The total credits for the award of B.Tech. degree in any branch shall lie between 160-200.
 - 3.2 The medium of instruction and examination shall normally be English throughout the course of study. However, a student can opt for writing the examination in Hindi provided that the student applies for the same at the start of the program. A student shall not be allowed to change the medium of examination during the duration of the course.
 - 3.3 Minimum credits required to earn B.Tech. Degree in particular branch shall be decided by the concerned Board of studies (BOS).



10.0 PROVISION OF INTERNSHIP DURING FOURTH YEAR.

- 10.1 A candidate who has been placed in a company, which is offering an in job internship to the candidate during any or all the semesters of the fourth year, can be permitted to attend the internship, provided that the candidate shall earn credits equal to the credit of that semester (excluding the major project) through equivalent MOOCs courses on the SWAYAM portal or any other platform as approved by the competent body of the University; however, such candidates shall be required to complete the Major project and submit the thesis in the Institution.
- 10.2 The Major Project shall be pertaining to his/her internship; for such project work, candidate shall be required to take one Guide from the department and another from the organisation where he/she is undergoing the internship.
- 10.3 The decision about the equivalent courses shall be taken by the respective Board of Studies.
- 10.4 The additional credits earned under the provision of clause 3.5 shall not be counted for this purpose.
- 10.5 Clause 10.0 of this ordinance shall also be applicable for the students admitted in final year from academic session 2022-2023.

11.0 MERIT LIST

- 11.1 Only after the declaration of the result of eighth (final) semester examination, Branch wise merit list of first ten candidates in order of merit, in all the four years shall be declared by the University. The merit list shall include the first ten candidates who have secured at least first division. Have passed each semester sequentially in first attempt. However, while counting first ten candidates in order of their merit, if more than one candidate have scored same CGPA then all such candidates shall be included in the merit list.

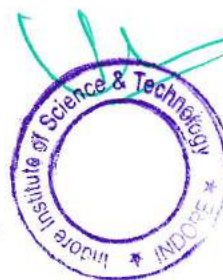
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BHOPAL

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List of Elective Subjects in Civil Engineering Department

Sno.	Semester	Year	Subject Code	Subject	Opted Subject
1	V	III	CE-503 (A)	Structural Analysis-II	Quantity surveying & Costing
			CE-503 (B)	Construction planning and management	
			CE-503 (C)	Quantity surveying & Costing	
			CE-503 (D)	Marine Construction	
2	V	III	CE-504 (A)	Urban and town planning	Urban and town planning
			CE-504 (B)	Remote Sensing and GIS	
			CE-504 (C)	Renewable energy resources	
			CE-504 (D)	Entrepreneurship development and management	
3	VI	III	CE-603 (A)	Water resources engineering	Water resources engineering
			CE-603 (B)	Precast and modular construction	
			CE-603 (C)	Advance pavement design	
			CE-603 (D)	Cost effective and Eco-friendly structures	
4	VI	III	CE-604 (A)	Fluid Mechanics II	Fluid Mechanics II
			CE-604 (B)	Intellectual Property rights(IPR)	
			CE-604 (C)	Environmental Impact Assessment	
			CE-604 (D)	Operation Research	
5	VII	IV	CE-702(A)	Prestressed Concrete Structures	Environmental Engg-II
			CE-702(B)	Environmental Engg-II	
			CE-702(C)	Structural Dynamics	
			CE-702(D)	Structural Design and Drawing (RCC-II)	
6	VII	IV	CE-703(A)	Internet of Things	Internet of Things
			CE-703 (B)	Project Management	
			CE-703(C)	Integrated Waste Management	
			CE-703(D)	Building Services	
7	VIII	IV	CE 802(A)	Engineering Hydrology	Foundation Engineering
			CE 802 (B)	Foundation Engineering	
			CE 802 (C)	Bridge Engineering	
			CE 802 (D)	Earthquake Resistant Design of Structures	
8	VIII	IV	CE-803(A)	Artificial Intelligence	Artificial Intelligence
			CE-803(B)	Data Analytics	
			CE-803(C)	Retrofitting and Rehabilitation of Structures	
			CE-803 (D)	Integrated Water Management	



Proof of Elective choice collected from the students.



INDORE INSTITUTE OF SCIENCE & TECHNOLOGY
PITHAMPUR ROAD, OPPOSITE IIM, RAU, INDORE 453331, MP
(Affiliated to RGPV, Bhopal & Approved by AICTE, New Delhi)
Department of Civil Engineering

Academic Year: 2022-23

Session: Jan-June

Year: III

Semester: VI

All the students of B.Tech (Grading) Civil Engineering are hereby informed that they have to give their Elective Subject choice in the prescribed format with the help of following Elective Subject list:

Departmental Elective	CE-603 (A)	Water resources engineering
	CE-603 (B)	Precast and modular construction
	CE-603 (C)	Advance pavement design
	CE-603 (D)	Cost effective and Eco-friendly structures
Open Elective	CE-604 (A)	Fluid Mechanics II
	CE-604 (B)	Intellectual Property Rights (IPR)
	CE-604 (C)	Environmental Impact Assessment
	CE-604 (D)	Operation Research

S No.	Students Name	Departmental Elective	Open Elective	Student Signature
1	ABHISHEK CHOUHAN	603(A)	604(A)	Abhishek
2	AKSHATRAJ SHAH	603CA)	604(A)	Akshatraj
3	ANKIT JANI	603 A	604 A	Ankit
4	ARYAN PAL	603 A	604 A	Aryan
5	ASHUTOSH PANERI	603 A	604 A	Ashutosh
6	CHAITANYA DAWAR	603A	604A	Chaitanya
7	CHETAN WAGHLE	603A	604A	Chetan
8	DHRUV DWIVEDI	603A	604A	Dhruv
9	HIMANSHU SHUKLA	603A	604A	Himanshu
10	JYOTSANA NAMDEO	603A	604A	Jyotsana
11	KARAN BISHNOI	603IP)	604A)	Karan
12	KARTIKEY SHUKLA	603LA)	604A)	Kartikey
13	LOKESH CHOUKIKER	603(A)	604(A)	Lokesh
14	MEGHA VERMA	604A)	604A)	Megha
15	NIDHI AMBEKAR	603A)	604A)	Nidhi
16	PRADYUM SHIRSATHE	603LA)	604A)	Pradyum
17	RAHUL SINGH	603(A)	604A)	Rahul
18	RAJ SANGRE	603(B)	604(C)	Raj
19	ROHAN	603(A)	604A)	Rohan
20	ROHIT PURI GOSWAMI	603LA)	604(C)	Rohit

Sharma





INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

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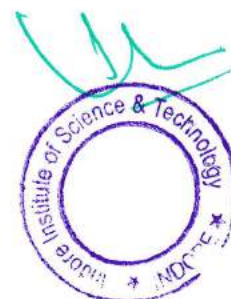
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Department of Civil Engineering

21	RUCHITA JAWLE			
22	SANDEEP YADAV			
23	SHARIK SHAIKH	603 A	604 A	Sharik
24	SHIVLESH KUMAR VERMA	603 A	604 A	Shivlesh
25	SURYA PRATAP SINGH	603 A	604 A	Surya
26	TARUN PATHODE	603 A	604 A	Tarun
27	VIJAY KALME	603 A	604 A	Vijay
28	VIJAY PATEL	603 A	604 A	Vijay
29	YOGESH JAISWAL	603 A	604 A	Yogesh
30	ANKIT ROY	603 (A)	604 (A)	Ankit

Sham
Coordinator

[Signature]
HOD-CE



Proof of Elective subject mention in scheme

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal
 New Scheme of Examination as per AICTE Flexible Curricula
 Bachelor of Technology (B.Tech) Civil Engineering **(w.e.f. July, 2019)**

V Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	CE-501	DC	Fluid Mechanics I	70	20	10	30	20	150	2	1	2	4
2.	CE-502	DC	Transportation Engg II	70	20	10	30	20	150	2	1	2	4
3.	CE-503	DE	Departmental Elective	70	20	10	-	-	100	4	-	-	4
4.	CE-504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	CE-505	D Lab	Quantity surveying & Costing	-	-	-	30	20	50	-	-	4	2
6.	CE-506	O/E Lab	Material Testing Lab	-	-	-	30	20	50	-	-	4	2
7.	BT-407	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship -III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	CE-508	P	Field Visit, Case Study and Seminar	-	-	-	-	50	50			4	2
10.	Additional Credits*		*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.										
Total				280	80	40	120	230	750	11	2	22	24

Departmental Electives	Open Electives
CE503 (A) Structural Analysis-II	CE504 (A) Urban and town planning
CE503 (B) Construction planning and management	CE504 (B) Remote Sensing and GIS
CE503 (C) Quantity surveying & Costing	CE504 (C) Renewable energy resources
CE503 (D) Marine Construction	CE504 (D) Entrepreneurship development and management

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

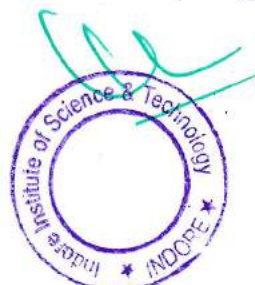
Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal
 New Scheme of Examination as per AICTE Flexible Curricula
 Bachelor of Technology (B.Tech.) [Civil Engineering] **(w.e.f. Jan, 2021)**

VIII Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	CE-801	DC	Design of Steel Structures	70	20	10	30	20	150	2	1	2	4
2.	CE-802	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CE-803	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
4.	CE-804	D/O/E Lab	Earthquake Resistant Structures Lab	-	-	-	30	20	50	-	-	6	3
5.	CE-805	P	Major Project-II	-	-	-	70	30	100	-	-	8	4
6.	Additional Credits*		*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.										
Total				210	60	30	130	70	500	8	2	16	18

Departmental Electives	Open Electives
802(A) Engineering Hydrology	803(A) Artificial Intelligence
802 (B) Foundation Engineering	803(B) Data Analytics
802 (C) Bridge Engineering	803(C) Retrofitting and Rehabilitation of Structures
802 (D) Earthquake Resistant Design of Structures	803 (D) Integrated Water Management

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



List of Elective Subjects in Chemical Engineering Department

Sno.	Semester	Year	Subject Code	Subject	Opted Subject
1	V	III	CM-503 (A)	Computation Methods in Chemical Engineering	Computation Methods in Chemical Engineering
			CM 503 (B)	Pulp & paper Technology	
			CM 503 (C)	Pharmaceutical Technology	
2	V	III	CM-504 (A)	Organic Process Technology	Organic Process Technology
			CM 504 (B)	Fuel Cell Technology	
			CM 504 (C)	Energy Management	
3	VI	III	CM-603 (A)	Process Equipment Design I	Process Equipment Design I
			CM 603 (B)	Polymer Technology	
			CM 603 (C)	Nano Technology	
4	VI	III	CM-604 (A)	Chemical Process Control	Chemical Process Control
			CM 604 (B)	Process Optimization Techniques	
			CM 604 (C)	Fertilizer Technology	
5	VII	IV	CM-702(A)	Transport Phenomena	Petroleum Refining Engineering
			CM-702(B)	Bio Process Technology	
			CM-702(C)	Petroleum Refining Engineering	
6	VII	IV	CM-703(A)	Environmental Engineering	Environmental Engineering
			CM-703 (B)	Process Intensification	
			CM-703(C)	Non-conventional energy Sources	
7	VIII	IV	CM-802(A)	Process Piping Design	Process Piping Design
			CM-802(B)	Process safety & Hazards Management	
			CM-802(C)	Fertilizer Technology	
8	VIII	IV	CM-803(A)	Process Plant Economics & Management	Process Plant Economics & Management
			CM-803(B)	Petrochemical Technology	
			CM-803(C)	IPR (Intellectual Property Right)	



Proof of Elective choice collected from the students.

1	A	B	C	D	E	F	G
Timestamp	Name	Email	Enrollment No	Choose Departmental Elective	Choose Open Elective		
2	7/23/2022 13:13:00	Karan Prajapat	Karan.prajapatcm2020@	0818CM201011	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
3	7/23/2022 13:13:19	Kartikey Sharma	kartikey.sharmacm2020@	0818CM201012	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
4	7/23/2022 13:14:11	Chandansingh	chandansingh2002k@gn	0818cm201007	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
5	7/23/2022 13:15:52	Suryansh Mishra	suryanshmishra8609@gi	0818CM201025	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
6	7/23/2022 13:19:00	Ayush kushwah	ayush.kushwahcm2020@	0818CM201005	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
7	7/23/2022 13:20:53	Arpit Sharma	arpitys41@gmail.com	0818CM201004	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
8	7/23/2022 13:27:15	Palak chandel	palak.chandelcm2020@i	0818CM201016	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
9	7/23/2022 13:39:09	Shivam Bhatnagar	shivam.bhatnagarc202	0818CM201022	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
10	7/23/2022 13:46:47	Man Mohan Patel	gurjarmohanmohar100@g	0818CM213D10	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
11	7/23/2022 13:50:39	Vipul kumar	vipulvishwakarma061@g	0818CM201027	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
12	7/23/2022 13:57:44	RAHUL KUMAR RAY	rahul.raycm2020@indore	0818CM201018	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
13	7/23/2022 14:04:49	Banke Bihari Goswami	goswami2870@gmail.co	0818CM213D04	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
14	7/23/2022 14:04:51	Deepak Malviya	deepakmalviya26719@g	0818CM201008	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
15	7/23/2022 14:08:37	Vaishali Raghuvanshi	Vaishali.raghuvanshicm2	0818CM201026	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
16	7/23/2022 14:09:20	Chandan Hazra	chandan.hazracm2020@	0818CM201006	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
17	7/23/2022 14:19:39	Anika Garg	anika.gargcm2020@indo	0818CM201003	CM 503 (C) Pharmaceuti	CM 504 (A) Organic Process Technology	
18	7/23/2022 14:27:43	GOUTAM CHATTERJEE	goutam.chatterjeeecm202	0818CM201010	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
19	7/23/2022 14:37:17	Suraj	SURAJBHUSHAN8962@	0818CM201024	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
20	7/23/2022 14:39:25	NITYA KASERA	nitya.kasera2020@inc	0818CM201015	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
21	7/23/2022 14:46:22	Suhani Jain	isuhanijain7@gmail.com	0818CM201023	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
22	7/23/2022 15:34:51	Anup singh	anupsinghs2000@gmail	0818CM213D03	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
23	7/23/2022 15:46:49	Milind Diwakar	diwakarmilind86@gmail	0818CM201014	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
24	7/25/2022 11:38:33	Ritik kaushik	ritikkaushik45@gmail.co	0818CM213D13	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
25	7/25/2022 11:57:03	Anand Goswami	anand.goswamicm2020@	0818CM201002	CM 503 (A) Computation	CM 504 (C) Energy Management	
26	7/26/2022 14:20:17	Fulsingh chouhan	Fulsinghchouhancm2020	0818CM201009	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
27	8/1/2022 11:02:45	Dhanendra Pratap Singh	dhanendra.singh2020@	0818CM213D06	CM 503 (A) Computation	CM 504 (A) Organic Process Technology	
28							



Proof of Elective subject mention in scheme

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal New Scheme of Examination as per AICTE Flexible Curricula Bachelor of Technology (B.Tech.) Chemical Engineering

(w.e.f. Jan, 2020)

VI Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted				Total Marks	Contact Hours per week			Total Credits	
				Theory			Practical		L	T	P		
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem						Term work Lab Work & Sessional
1.	CM601	DC	Mass Transfer -II	70	20	10	30	20	150	2	1	2	4
2.	CM 602	DC	Chemical Reaction Engineering	70	20	10	30	20	150	2	1	2	4
3.	CM 603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CM 604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CM 605	D Lab	Chemical Process Plant Simulation Lab-II	-	-	-	30	20	50	-	-	6	3
6.	CM 606	O/E Lab	Chemical Process Control Lab	-	-	-	30	20	50	-	-	6	3
7.	CM 607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CM 608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				280	80	40	120	130	650	12	2	20	24

Departmental Electives		Open Electives	
603 (A) Process Equipment Design-I		604(A) Chemical Process Control	
603 (B) Polymer Technology		604(B) Process Optimization Techniques	
603(C) Nano Technology		604(C) Fertilizer Technology	

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

VII Semester

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal New Scheme of Examination as per AICTE Flexible Curricula Bachelor of Technology (B.Tech.) Chemical Engineering

(w.e.f. July, 2020)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted				Total Marks	Contact Hours per week			Total Credits	
				Theory			Practical		L	T	P		
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem						Term work Lab Work & Sessional
1.	CM -701	DC	Process Equipment Design-II	70	20	10	30	20	150	2	1	2	4
2.	CM -702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CM -703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	CM -704	D Lab	Energy Lab	-	-	-	30	20	50	-	-	6	3
5.	CM -705	O/E lab	Environmental Engineering Lab	-	-	-	30	20	50	-	-	6	3
6.	CM -706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	CM -607		Evaluation of Internship -III	-	-	-	-	100	100	-	-	6	3
8.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				210	60	30	190	210	700	8	2	28	24

Departmental Electives		Open Electives	
702(A) Transport Phenomena		703(A) Environmental Engineering	
702 (B) Bio-process Technology		703(B) Process Intensification	
702 (C) Petroleum Refining Engineering		703(C) Non-conventional energy Sources	

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



List of Elective Subjects in Computer Science and Engineering Department

Sno.	Semester	Year	Subject Code	Subject	Opted Subject
1	V	III	CS-503(A)	Data Analytics	Pattern Recognition
			CS-503(B)	Pattern Recognition	
			CS-503(C)	Cyber Security	
2	V	III	CS-504(A)	Internet and Web Technology	Internet and Web Technology
			CS-504(B)	Object Oriented Programming	
			CS-504(C)	Introduction to Database Management Systems	
3	VI	III	CS-603(A)	Advanced Computer Architecture	Compiler Design
			CS-603(B)	Computer Graphics & Visualization	
			CS-603(C)	Compiler Design	
4	VI	III	CS-604(A)	Knowledge Management	Project Management
			CS-604(B)	Project Management	
			CS-604(C)	Rural Technology & Community Development	
5	VII	IV	CS-702(A)	Computational Intelligence	Wireless & Mobile Computing
			CS-702(B)	Deep & Reinforcement Learning	
			CS-702(C)	Wireless & Mobile Computing	
			CS-702(D)	Big Data	
6	VII	IV	CS-703(A)	Cryptography & Information Security	Agile Software Development
			CS-703(B)	Data Mining and Warehousing	
			CS-703(C)	Agile Software Development	
			CS-703(D)	Disaster Management	
7	VIII	IV	CS-802(A)	Block Chain Technologies	Object Oriented Software Engineering
			CS-802(B)	Cloud Computing	
			CS-802(C)	High Performance computing	
			CS-802(D)	Object Oriented Software Engineering	
8	VIII	IV	CS-803(A)	Image Processing and Computer Vision	Internet of Things
			CS-803(B)	Game Theory with Engineering applications	
			CS-803(C)	Internet of Things	
			CS-803(D)	Managing Innovation and Entrepreneurship	



Proof of Elective choice collected from the students.

12/20/22, 11:55 AM

CSE VI semester 2022-23 elective choices

CSE VI semester 2022-23 elective choices

Fill it by tomorrow (i.r, on 13th Dec, 2022)

* Required

1. Student Name *

2. Enrolment number *

3. Mobile number *

4. Department Elective (choose any one) *

Mark only one oval.

Computer Graphics & Visualisation

Compiler Design

5. Open Elective (Choose any one) *

Mark only one oval.

Knowledge Management

Project Management



This content is neither created nor endorsed by Google.



Proof of Elective subject mention in scheme

Rajiv Gandhi Proudvyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) Computer Science and Engineering/ (w.e.f. Jan, 2021)
Computer Engineering/Computer Science & Technology]

VIII Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Seasonal					
1.	CS 801	DC	Internet of Things	70	20	10	30	20	150	2	1	2	4
2.	CS 802	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	CS 803	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
4.	CS 804	D/O/E Lab	D/O elective lab	-	-	-	30	20	50	-	-	6	3
5.	CS 805	P	Major Project-II	-	-	-	70	30	100	-	-	8	4
6.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.										UG	
Total				210	60	30	130	70	500	8	2	16	18

Departmental Electives				Open Electives			
802(A) Block Chain Technologies				803(A) Image Processing and Computer Vision#			
802 (B) Cloud Computing				803(B) Game Theory with Engineering applications#			
802 (C) High Performance computing				803(C) Internet of Things*			
802 (D) Object Oriented Software Engineering				803 (D) Managing Innovation and Entrepreneurship#			

These Open Electives can be offered to students of all branches including CSE branch. However, they can be offered to students of Non-CSE branches only if they have not taken any similar courses previously and have sufficient knowledge of pre-requisite courses (if any) of respective open electives subject.
 * can be offered to students of all branches except CSE, provided they have not taken any similar course previously and have sufficient knowledge of pre-requisite courses, if any.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

Rajiv Gandhi Proudvyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech) Computer Science and Engineering/
Computer Engineering/Computer Science & Technology]

V Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Seasonal					
1.	CS-501	DC	Theory of Computation	70	20	10	30	20	150	3	-	2	4
2.	CS-502	DC	Database Management Systems	70	20	10	30	20	150	3	-	2	4
3.	CS-503	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
4.	CS-504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	CS-505	D Lab	Lab (Linux)	-	-	-	30	20	50	-	-	4	2
6.	CS-506	O/E Lab	Lab (Python)	-	-	-	30	20	50	-	-	4	2
7.	CS-507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship - III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									2
9.	CS-508	P	Minor Project-I	-	-	-	-	30	30	-	-	4	2
10.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.										UG	
Total				280	80	40	120	230	750	12	1	22	24

Departmental Electives				Open Electives			
CS 503 (A) Data Analytics				CS 504 (A) Internet and Web Technology *			
CS 503 (B) Pattern Recognition				CS 504 (B) Object Oriented Programming **			
CS 503 (C) Cyber Security				CS 504 (C) Introduction to Database Management Systems**			

* Can be offered to students of all branches including CSE
 ** Can be offered to students of all branches except CSE and IT

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



List of Elective Subjects in Information Technology Department

Sno.	Semester	Year	Subject Code	Subject	Opted Subject
1	V	III	IT-503(A)	Theory of Computation	Theory of Computation
			IT-503(B)	Microprocessor & Interfacing	
			IT-503(C)	Object Oriented Analysis and Design	
2	V	III	IT-504(A)	Artificial Intelligence	Artificial Intelligence
			IT-504(B)	E Commerce & Governance	
			IT-504(C)	Java Programming	
3	VI	III	IT-603(A)	Compiler Design	Compiler Design
			IT-603(B)	Data Mining	
			IT-603(C)	Embedded System	
4	VI	III	IT-604(A)	Intellectual Property Rights	Software Engineering
			IT-604(B)	Software Engineering	
			IT-604(C)	Wireless Sensor Networks	
5	VII	IV	IT-702(A)	Data Science	Cloud Computing
			IT-702(B)	Cloud Computing	
			IT-702(C)	Simulation and Modeling	
			IT-702(D)	Augmented and Virtual Reality	
6	VII	IV	IT-703(A)	Cyber Laws and Forensics	Internet of Things
			IT-703(B)	Internet of Things	
			IT-703(C)	Social Networks	
			IT-703(D)	Digital Image Processing	
7	VIII	IV	IT-802(A)	Machine Learning	Machine Learning
			IT-802(B)	Natural Language Processing	
			IT-802(C)	Robotics	
			IT-802(D)	Quantum Computing	
8	VIII	IV	IT-803(A)	Blockchain Technology	Parallel Computing
			IT-803(B)	Human Computer Interaction	
			IT-803(C)	3D Printing and Design	
			IT-803(D)	Parallel Computing	



Proof of Elective choice collected from the students.

12/19/22 3:24 PM

Elective Subject Choice (IT VIII Sem)

Elective Subject Choice (IT VIII Sem)

Dear Students,

For VIII semester, you are required to make a choice from the given category of departmental elective and open elective. Give your choice wisely by looking at various factors. The decision to run a particular subject will be taken on the basis of the response. Provide your choice latest by December 15, 2022 1:00 PM.

* Required

1. Name *

2. Enrolment No *

3. Email ID

4. Departmental Elective *

Mark only one oval.

Machine Learning

Parallel Computing

5. Open Elective *

Mark only one oval.

Human Computer Interaction

Parallel Computing

1/2



Proof of Elective subject mention in scheme

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) Information Technology [w.e.f. Jan, 2020]

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	IT601	DC	Computer Graphics & Multimedia	70	20	10	30	20	150	2	1	2	4
2.	IT602	DC	Wireless and Mobile Computing	70	20	10	30	20	150	2	1	2	4
3.	IT603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	IT604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	IT605	D Lab	Programming in Python	-	-	-	30	20	50	-	-	6	3
6.	IT606	O/E Lab	Android Programming	-	-	-	30	20	50	-	-	6	3
7.	IT607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	IT608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				280	80	40	120	130	650	12	2	20	24

Departmental Electives		Open Electives	
603 (A) Compiler Design		604(A) Intellectual Property Rights	
603 (B) Data Mining		604(B) Software Engineering	
603 (C) Embedded Systems		604 (C) Wireless Sensor Networks	

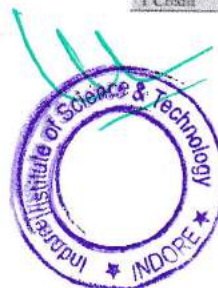
1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

Rajiv Gandhi Proudvogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) [Information Technology] [w.e.f. July, 2020]

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	IT-701	DC	Soft Computing	70	20	10	30	20	150	2	1	2	4
2.	IT-702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	IT-703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	IT-704	D Lab	Cloud Computing Lab	-	-	-	30	20	50	-	-	6	3
5.	IT-705	O/E lab	IoT Lab	-	-	-	30	20	50	-	-	6	3
6.	IT-706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	IT-607		Evaluation of Internship -III	-	-	-	-	100	100	-	-	6	3
8.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
9.	Total			210	60	30	190	210	700	8	2	28	24

Departmental Electives		Open Electives	
702(A) Data Science		703(A) Cyber Laws and Forensics	
702 (B) Cloud Computing		703(B) Internet of Things	
702 (C) Simulation and Modeling		703(C) Social Networks	
702 (D) Augmented and Virtual Reality		703 (D) Digital Image Processing	

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



List of Elective Subjects in Electronics and Communication Department.

Sno.	Semester	Year	Subject Code	Subject	Opted Subject
1	V	III	EC-503(A)	Communication Network and Transmission Lines	CNTL
			EC-503(B)	Mobile Communication	
			EC-503(C)	Advanced Control System	
2	V	III	EC-504(A)	Electro Magnetic Theory	EMT
			EC-504(B)	Computer System Organization	
			EC-504(C)	Introduction to Database Management Systems	
3	VI	III	EC-603(A)	Data Communication	Data Communication
			EC-603(B)	CMOS Design	
			EC-603(C)	Satellite Communication	
4	VI	III	EC-604(A)	Microcontroller & Embedded system	Microcontroller and Embedded System
			EC-604(B)	Bio-medical Electronics	
			EC-604(C)	Power Electronics	
5	VII	IV	EC-702(A)	Microwave Engineering	Microwave Engineering
			EC-702(B)	Information Theory and Coding	
			EC-702(C)	Nano Electronics	
6	VII	IV	EC-703(A)	Cellular Mobile Communication	Cellular Mobile Communication
			EC-703(B)	Internet of Things	
			EC-703(C)	Probability Theory and Stochastic Process	
7	VIII	IV	EC-802(A)	AI & Signal Processing	AI & Signal Processing
			EC-802(B)	Wireless Communication	
			EC-802(C)	5G Technology	
8	VIII	IV	EC-803(A)	Wireless Network	Digital Image Processing
			EC-803(B)	Digital Image Processing	
			EC-803(C)	Speech Processing	



Proof of Elective choice collected from the students.

17	0818EC201020	DIPESH WAGHE								Engineering
18	0818EC201021	DIVYANSHU BHATI								D.P. Mali
19	0818EC201022	GAUTAM DAHALE								Pr. Haldar
20	0818EC201023	GAUTAM PAWAR								Dr. Haldar
21	0818EC201024	GITESH AHIRWAR								Dr. Haldar
22	0818EC201025	GOUTAM SHIVDE								Dr. Haldar
23	0818EC201028	JAY PANDEY								Dr. Haldar
24	0818EC201029	KHUSHBOO MALVIYA								Dr. Haldar
25	0818EC201030	KULDEEP SOLANKI								Dr. Haldar
26	0818EC201031	NAINA VARMA								Dr. Haldar
27	0818EC201033	NANDINI SONI								Dr. Haldar
28	0818EC201034	NEERAJ PATIL								Dr. Haldar
29	0818EC201035	NIKITA TOMAR								Dr. Haldar
30	0818EC201036	NIKUNJ GIRI GOSWAMI								Dr. Haldar
31	0818EC201038	PRAKHAR SOLANKI								Dr. Haldar
32	0818EC201039	PRIYA SHARMA								Dr. Haldar
33	0818EC201040	RAHUL THAKUR								Dr. Haldar
34	0818EC201041	RASHIKA DIWEKAR								Dr. Haldar
35	0818EC201042	RITIKA DIWEKAR								Dr. Haldar
36	0818EC201044	SHABINA KHAN								Dr. Haldar
37	0818EC201045	SHARAD PRATAP SINGH BAIAS								Dr. Haldar
38	0818EC201047	SIDDHARTH RATHORE								Dr. Haldar
39	0818EC201048	SIMRAN RAJPUT								Dr. Haldar
40	0818EC201049	SOMESH SHARMA								Dr. Haldar



Proof of Elective subject mention in scheme

Rajiv Gandhi Proudvyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

Bachelor of Technology (B.Tech.) Electronics & Communication Engg. (w.e.f. July, 2019)

V Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/Assignment	End Sem.	Term work Lab Work & Sessional					
1.	EC 501	DC	Microprocessor & its Application	70	20	10	30	20	150	2	1	2	4
2.	EC 502	DC	Digital Communication	70	20	10	30	20	150	2	1	2	4
3.	EC 503	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EC 504	OE	Open Elective	70	20	10	-	-	100	3	-	0	3
5.	EC 505	D Lab	CNTL Lab	-	-	-	30	20	50	-	-	4	2
6.	EC 506	O/E Lab	Matlab Programming	-	-	-	30	20	50	-	-	4	2
7.	EC-507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	EC 508	P	Minor Project I	-	-	-	-	50	50	-	-	4	2
10.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				280	80	40	120	230	750	11	2	22	24

Departmental Electives	Open Electives
EC 503 (A) CNI	EC 504 (A) EMT (Electro Magnetic (Theory))
EC 503 (B) Mobile Communication	EC 504 (B) Computer System Organisation
EC 503 (C) Advanced Control system	EC 504 (C) Process Control Instrumentation

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit



Rajiv Gandhi Proudvyogiki Vishwavidyalaya, Bhopal (M.P.)

Scheme of Examination

Third Semester- Master of Engineering

(Digital Communication, Communication Tech./Control, Communication Systems)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical /Viva	Practical Record Assignment/Quiz /Presentation	
2.	MEDC-302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MEDC-303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MEDC-304	Dissertation Part I	-	-	8	8	-	-	-	120	80	200
Total			6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective-I	
MEDC-301(A)	Information Theory & Coding

Elective-II	
MEDC-302(A)	Advanced Digital Communication
MEDC-302(B)	Optical Instrumentation & Measurement



List of Elective Subjects in Mechanical Engineering Department

S. No	Year	Category	Semester	Type	Elective Code	Elective Name
1	Final	B.Tech. Grading	8	Elective-I	ME802(A)	Automobile Engineering
					ME802(B)	Tribology & Maintenance Engineering
					ME802(C)	Machine Tool Design
					ME802(D)	Production Planning and Control
				Elective -II	ME803(A)	Data analytics
					ME803(B)	Energy Conservation, Management & Audit
					ME803(C)	Entrepreneurship and Management Concepts
					ME803(D)	Management Information System
			7	Elective -I	ME702 (A)	Advance Machining Process
					ME702 (B)	Internet of Things
					ME702 (C)	Power Plant Engineering
					ME702 (D)	Advance Machine Design
				Elective -II	ME703 (A)	Operation Research & Supply Chain
					ME703 (B)	Artificial Intelligence Techniques
					ME703 (C)	System Engineering
					ME703 (D)	Reliability Engineering
2	Third	B.Tech. Grading	6	Elective -I	ME603 (A)	Turbo Machinery
					ME603 (B)	Computer Aided Engineering
					ME603 (C)	Product Design
				Elective -II	ME604 (A)	Robotics
					ME604 (B)	Optimization Techniques
					ME604 (C)	Renewable Energy Technology
			5	Elective -I	ME503 (A)	Mechatronics
					ME503 (B)	Dynamics of Machines
					ME503 (C)	Alternative Automotive Fuels and Emissions
				Elective -II	ME504 (A)	Industrial Engineering and Ergonomics
					ME504 (B)	TQM and SQC
					ME504 (C)	Finite Element Method
3	Final	M.E.(Machine Design)	3	Elective-I	MMMD - 301(A)	Fatigue Fracture Analysis
					MMMD - 301(B)	Experimental stress Analysis
				Elective-II	MMMD - 302(A)	Fluid Film Lubrication



Proof of Elective subject mention in scheme

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New Scheme of Examination as per AICTE Flexible Curricula

Bachelor of Technology (B.Tech.) Mechanical Engineering (w.e.f. July, 2019)

V Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	ME 501	DC	I C Engines	70	20	10	30	20	150	3	-	2	4
2.	ME 502	DC	Mechanical Vibration	70	20	10	30	20	150	2	1	2	4
3.	ME 503	DE	Departmental Elective	70	20	10	-	-	100	4	-	-	4
4.	ME 504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	ME 505	D Lab	FEM/CFD Lab	-	-	-	30	20	50	-	-	4	2
6.	ME 506	O/E Lab	Python	-	-	-	30	20	50	-	-	4	2
7.	ME 507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship - III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	ME 508	P.	Minor Project I	-	-	-	-	50	50	-	-	4	2
10.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				280	80	40	120	230	750	12	1	22	24

Departmental Electives	Open Electives
ME 503 (A) Mechatronics	ME 504 (A) Industrial Engineering & Ergonomics
ME 503 (B) Dynamics of Machine	ME 504 (B) IQM and SQC
ME 503 (C) Alternate Automotive Fuels & Emissions	ME 504 (C) Finite Element Method

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

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New Scheme of Examination as per AICTE Flexible Curricula

Bachelor of Technology (B.Tech.) [Mechanical Engineering] (w.e.f. July, 2020)

VII Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional					
1.	ME 701	DC	Heat and Mass Transfer	70	20	10	30	20	150	2	1	2	4
2.	ME702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	ME703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	ME 704	D Lab	CAD/CAM/CIM	-	-	-	30	20	50	-	-	6	3
5.	ME 705	O/E lab	MATLAB and R Programming	-	-	-	30	20	50	-	-	6	3
6.	ME706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	ME 607		Evaluation of Internship -III	-	-	-	-	100	100	-	-	6	3
8.	Additional Credits*	*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.											
Total				210	60	30	190	210	700	8	2	28	24

Departmental Electives	Open Electives
702(A) Advance Machining Processes	703(A) Operation Research and Supply Chain
702 (B) Interact of Things (IOT)	703(B) Artificial Intelligence Techniques
702 (C) Power Plant Engineering	703(C) Systems Engineering
702 (D) Advance Machine Design	703 (D) Reliability Engineering

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	1 Credit	1 Credit

