# **Mewar University**



## Additional information for 1.3.3

Sample Scheme of Program having element of field Projects/Research Projects/ Internship

## DEPARTMENT OF EDUCATION

(Faculty of Education)

**SCHEME & SYLLABUS** 

(Session - 2019-20, 2020-21)

Course: B.Ed.

(Two Academic Years)





MEWAR UNIVERSITY
N.H. 79, GANGRAR, CHITTORGARH

RAJASTHAN - 312901 (INDIA)

(Do. Ames Dube)



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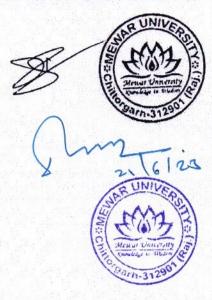
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# 7. THE CURRICULAR DETAILS FOR TWO YEARS ANNUAL DISTRIBUTION OF THE COURSES

#### B.Ed. I-Year

Course	Paper Code	Nomenclature	Scheme
Course 1	B.Ed. 101	Childhood and Growing up	100 Marks (80+20)
Course 2	B.Ed. 102	Contemporary India and Education (Including Gender, School and Society)	100 Marks (80+20)
Course 3	B.Ed. 103	Learning and Teaching	100 Marks (80+20)
Course 4	B.Ed. 104	Language across the curriculum (Including Reading and Reflecting on the texts)	100 Marks (80+20)
Course 5	B.Ed. 105-127	Pedagogy of School Subject (Including Understanding, discipline and Subject 1st) Part I	100 Marks (80+20)
Course 6	B.Ed. 105-127	Pedagogy of School Subject (Including Understanding, discipline and Subject 2 <sup>nd</sup> ) Part II	100 Marks (80+20)
Course 7	B.Ed. 128	Drama and Art in Education (Internal Assessment)	50 Marks
Course 8	B.Ed. 129	Critical Understanding of ICT (Internal and External Assessment)	100 Marks (50 Internal + 50 External)
Course 9	B.Ed. 130	Open Air Session SUPW Camp (Internal Assessment)	50 Marks
Course10	B.Ed. 131	School Internship Phase I (4 Weeks) Pre Practice, Practice Teaching, Engagement with the field: Task and assignment for course 5 and 6 (Internal Assessment)	200 Marks
Course11	B.Ed. 132	External Assessment (One Lesson of Pedagogy of a School Subject)	100 Marks
		Total	1100 Marks

## B.Ed. II-Year

Course	Paper Code	Nomenclature	Scheme
Course12	B.Ed. 201-223	Pedagogy of School Subject (First)- Part 1	50 Marks (40+10)
Course 13	B.Ed. 201-223	Pedagogy of School Subject (Second) - Part I	50 Marks (40+10)
Course14	B.Ed. 224	The state of the s	100 Marks (80+20)
Course15	B.Ed. 225		1-3100 Marks (80+20)
Course16	B.Ed. 226	Educational Management and Creating an Inclusive School	100 Marks (80+20)
Course 17	B.Ed. 227	Understanding the Self (Internal Assessment)	50 Marks
Course18	B.Ed. 228	Optional Course * (Any one)  1. Vocational/Work education  2. Health and Physical Education	50 Marks (40+10)

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		Peace Education     Guidance and Counseling     Innovations and Action Research		
Course19	B.Ed. 229	School Internship (Phase II, 16 Weeks) (Internal Assessment) Engagement with the Field, Task and Assignment for Course 12 &13,	250 Marks	
Course20	B.Ed. 230	External Assessment (Viva Voce along with power point presentation about the Teaching Subjects, Curricular and co-curricular activities in School duringInternship)	150 Marks	
		TOTAL	900 Marks	

8. MU PAPER CODE (THE CURRICULAR DETAILS FOR TWO YEARS)
ANNUAL DISTRIBUTION OF THE COURSE (I-Year)

Course	Paper Code	Nomenclature	Scheme
Course 1	B.Ed. 101	Childhood and Growing up	100 Marks (80+20)
Course 2	B.Ed. 102	Contemporary India and Education (Including Gender, School and Society)	100 Marks (80+20)
Course 3	B.Ed. 103	Learning and Teaching	100 Marks (80+20)
Course 4	B.Ed. 104	Language across the curriculum (Including Reading and Reflecting on the Texts)	100 Marks (80+20)
Course 5	B.Ed. 105-127	Pedagogy of School Subject (Including Understanding, Discipline and Subject 1st) Part I	100 Marks (80+20)
Course 6	B.Ed. 105-127	Pedagogy of School Subject (Including Understanding, discipline and Subject 2 <sup>nd</sup> ) Part I	100 Marks (80+20)
	B.Ed. 105	Pedagogy of Hindi	
	B.Ed. 106	Pedagogy of English	
	B.Ed. 107	Pedagogy of Sanskrit	
	B.Ed. 108	Pedagogy of Urdu	
	B.Ed. 109	Pedagogy of Rajasthani	Tion of
	B.Ed. 110	Pedagogy of Mathematics	JAR Charles 6/20
	B.Ed. 111	Pedagogy of General Science	
	B.Ed. 112	Pedagogy of Physics	Maur Omicia
	B.Ed. 113	Pedagogy of Chemistry	alange to Manage
	B.Ed. 114	Pedagogy of Biology	71-3129 100
Course	B.Ed. 115	Pedagogy of Home Science	Marks (80+20)
5&6	B.Ed. 116	Pedagogy of Computer Science	
	B.Ed. 117	Pedagogy of Social Science	
	B.Ed. 118	Pedagogy of Sociology	+
	B.Ed. 119	Pedagogy of Psychology	+
	B.Ed. 120	Pedagogy of History	$\dashv$
	B.Ed. 121	Pedagogy of Political Science	
	B.Ed. 122	Pedagogy of Economics	

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		Total	1100 Marks
Course11	B.Ed. 132	External Assessment (One Lesson of Pedagogy of School Subject)	100 Marks
Course10	B.Ed. 131	School Internship Phase- I (4 Weeks) Internal Assessment (Pre Practice Teaching and Practice Teaching), Engagement with the Field: Task and Assignment for Course 5 &6	200 Marks
Course 9	B.Ed. 130	Open Air Session/SUPW Camp (Internal Assessment)	50 Marks
Course 8	B.Ed. 129	Critical Understanding of ICT (Internal and External Assessment)	100 Marks (50 Internal +50 External)
Course 7	B.Ed. 128	Drama and Art in Education (Internal Assessment)	50 Marks
	B.Ed. 127	Pedagogy of Financial Accounting	
	B.Ed. 126	Pedagogy of Business Studies	]
	B.Ed. 125	Pedagogy of Music	
	B.Ed. 124	Pedagogy of Art	
	B.Ed. 123	Pedagogy of Geography	

## II YEAR

Course	Course Paper Code Nomenclature		
Course	B.Ed. 201-223	Pedagogy of School Subject (Including Understanding, discipline and Subject 1st) Part II	50 Marks (40+10)
12 & 13	B.Ed. 201-223	Pedagogy of School Subject (Including Understanding, discipline and Subject 2 <sup>nd</sup> ) Part II	50 Marks (40+10)
	B.Ed. 201	Pedagogy of Hindi	
	B.Ed. 202	Pedagogy of English	
	B.Ed. 203	Pedagogy of Sanskrit	
	B.Ed. 204	Pedagogy of Urdu	7
	B.Ed. 205	Pedagogy of Rajasthani	1
	B.Ed. 206	Pedagogy of Mathematics	16/23
	B.Ed. 207	Pedagogy of General Science	25
	B.Ed. 208	Pedagogy of Physics	· [3]
	B.Ed. 209	Pedagogy of Chemistry	Y X
Course12	B.Ed. 210	Pedagogy of Biology	X&1
&13	B.Ed. 211	Pedagogy of Home Science	
	B.Ed. 212	Pedagogy of Computer Science	
	B.Ed. 213	Pedagogy of Social Science	
	B.Ed. 214	Pedagogy of Sociology	
	B.Ed. 215	Pedagogy of Psychology	
	B.Ed. 216	Pedagogy of History	
	B.Ed. 217	Pedagogy of Political Sciengunive	

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		TOTAL	900 Marks
Course 20	B.Ed. 230	External Assessment (Viva Voce along with Power Point Presentation about the Teaching Subjects, Curricular and co-curricular activities in School during Internship)	150 Marks
Course 19	B.Ed. 229	School Internship (Phase II, 16 Weeks) (Internal Assessment) Engagement with the Field, Task and Assignment for Course 12&13	250 Marks
Course 18	B.Ed. 228	Optional Course * (Any one)  1. Vocational/Work education 2. Health and Physical Education 3. Peace Education 4. Guidance and Counseling 5. Innovation and Action Research	50 Marks (40+10)
Course 17	B.Ed. 227	Understanding the Self (Internal Assessment)	50 Marks
Course 16	B.Ed. 226	Educational Management and Creating an Inclusive School	100 Marks (80+20)
Course 15		Assessment for Learning	100 Marks (80+20)
Course 14	B.Ed. 224	Knowledge and Curriculum	100 Marks (80+20)
	B.Ed. 223	23 Pedagogy of Financial Accounting	
	B.Ed. 222	22 Pedagogy of Business Studies	
	B.Ed. 221	21 Pedagogy of Music	
	B.Ed. 220	20 Pedagogy of Art	7.97
	B.Ed. 219	19 Pedagogy of Geography	
	B.Ed. 218	Pedagogy of Economics	

## 9. EVALUATION

EVALUATION OF THEORY PAPERS

Some theory papers will carry a weightage of 100 marks, out of which 80 marks will be for external University Examination and 20 marks will be for internal sessional work. Out of 20 marks - 10 marks will be for sessional and 10 marks will be for mid-term test. In some of the papers carrying a weightage of 50 marks, 40 marks will be for external University Examination and 10 marks will be for internal sessional work. Out of 10 marks (5 marks will be for sessional and 5 marks) will be for mid-term test.

The final external examination paper for 80 marks will be of three hour's duration and the paper for 40 marks will be of two hour's duration.

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- 1. Each question paper (80 MARKS) will have three sections- Section A will contain 10 very short answer type questions and the candidate will be required to attempt the entire ten questions. Each question will carry two marks. Section-B will contain 10 short answer type questions out of which a candidate is required to attempt any 5 questions (one question per unit to be attempted out of two questions per unit). Each question will carry 6 marks. Section-C will have 5 Essay Type Questions (one from each unit) and a candidate will be required to attempt any three questions. There will be 10 marks for each question.
- 2. Each question paper (40 MARKS) will have three sections- Section A will contain 4 very short answer type questions and the candidate will be required to attempt all four questions. Each question will carry 2 marks. Section-B will contain 3 short answer type questions out of which a candidate is required to attempt any 2 questions. Each question will carry 6 marks. Section-C will have 3 questions with a choice of attempting any 2 questions. Essay type questions will carry 10 marks each.
- Very short answer type questions would aim at testing of critical thinking, knowledge of concepts, facts, definitions, laws, principles, generalization etc. and also understanding of principles and concepts.
- 4. Short answer type questions would aim at testing knowledge, definitions, laws, generalization etc. and understanding of concepts.
- 5. Essay type questions are to aim at testing the abilities of critical thinking behavioural change and application of principles taught in theory classes.

## Format of Eighty (80) marks question paper (Three Hours Time)

Question Type	No. of Questions Per Unit	Total No. of Questions	No. of Questions to be attempted	Total Marks
Very Short Answer Type	2 Per Unit	10	10	10x2=20
Short Answer Type	2 Per Unit	10	5 (One Question per Unit to be attempted)	5x6=30
Long Answer (Essay)Type	1 Per Unit	5	3	3x10=30
TOTAL				80 marks

Format of Forty (40) marks question paper (Two Hours Time)

Question Type	No. of Questions Per Unit	Total No. of Questions	No. of Questions to be attempted	Total P
Very Short Answer Type	1/2 Per Unit	4	4	言えから
Short Answer Type	1 Per Unit	3	2	2x6=12
Long Answer (Essay)Type	1 Per Unit	3	2	2x10=20
Total				40 Marks

## **EVALUATION FOR INTERNSHIP PROGRAMME**

Evaluation for Internship Programme will consist of two parts: Internal Evaluation & External Evaluation, the details of which are as follows:

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#### Practical Work in B. Ed First Year

#### 1. Pre Practice Teaching (Micro Teaching):

a. Practicing Teaching (5 Skills in each Subject) 10+10 = 20 Marks

b. T.L.M. Workshop in each Subject (5+5) = 10 Marks

c. Simulated Teaching (5 Lessons in each Subject) = 10 marks

d. Blue Print & Test Preparation in Both Subjects = 10 marks

Total: = 50 Marks

#### II. Practice Teaching:

a. Peer Group Lesson Observation

= 10 Marks

Ordinary + Criticism (5 Lessons in each round. 5+5 Marks)

b. Practice Teaching Two Rounds: (One Round in each subject):

In the round of each subject 12 lessons + 1 Unit Test + 1 Criticism:

Lessons

(50 + 50 Marks)

= 100 Marks

Tests (10 + 10 Marks)

= 20 Marks

Criticism in Peer Group (10 + 10 Marks)

= 20 Marks

Total = 150 Marks

#### III. External Practical Exam:

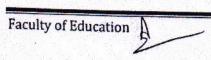
Presentation of teaching practice in one Teaching Subject before Two External Examiners:

= 100 Marks

GRAND TOTAL = 300 Marks

#### Practical Work in B.Ed. Second Year

	INTERNAL EVALUATION (Course-19) [II Year]	E M
1.	Teaching in Schools Internship  (Date and period wise Record of teaching plan of the opted Teaching Subjects, which were to maintained for internship)	00 (50+50 Anoustage to distance
2.	Individual Activities and File Record	80
3.	Group Activities and File Record	30
4.	Teaching Aid (4)	20
5.	Community Engagement and Report writing	20
	Total Marks	250
	EXTERNAL EVALUATION [II Year]	
1.	Course 20- Viva Voce with Power Point Presentation regarding the curricular and co-curricular activities during the Internship Programme	150
	TOTAL MARKS	400







#### EXTERNAL EVALUATION [I YEAR]

- The weightage of Final Lesson will be 100 marks. Final lesson will be conducted at the end of first academic year i.e. after the completion of 1<sup>st</sup> phase of internship.
- During the final practical examination, each candidate will have to teach one Lesson in any one of the two teaching subjects. However, he shall have to prepare lesson plan in both the teaching subjects and should be prepared to deliver lesson in both the subjects if required.
- 3. The Board of examiners for external examination will consist of:
  - (a) The Principal of the college concerned
  - (b) One senior member of the college
  - (c) Two external examiners appointed by the university.

Note: The selection of the faculty member and two examiners be such that, as for as possible, Board of Examiners represent all the three faculties-Humanities, Languages and Science and Commerce.

#### EXTERNAL EVALUATION [II YEAR]

- The weightage of external evaluation (Viva-voce for 2<sup>nd</sup> phase) of internship will be 150 marks.
- During the Viva voce, student will present all the records of the work done during the internship (2<sup>nd</sup> phase) programme viz. teaching in school, individual and group activities.
- 3. Power point presentation (Including Videos of various activities) of the work done by the students during the second phase of internship is desirable at the time of viva-voce.
- 4. The Board of examiners for Viva-voce will consist of:
  - (a) The Principal of the college concerned
  - (b) One senior member of the college (Preferably Internship Incharge)
  - (c) One external examiner appointed by the university.

## Evaluation of Open Air/SUPW Camp (I Year) (Internal Evaluation

S. N.	Activity	Marks
1.	Participation in preparation of Camp	05
2.	Presentation of Survey Report / creative work	
3.	Participation in Community Awareness Programme	15
4.	Participation in organizational process/community living/cultural and aesthetic activities	10
	Total Marks	50

# 10. WORKING OUT THE RESULT FOR AWARDING DIVISION



#### 9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for semester I

Course code	Name of the course	No. of hours	Tuto rial	Credit points
BP101T	Human Anatomy and Physiology I— Theory	3	1	4
BP102T	Pharmaceutical Analysis I - Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	ı	4
BP105T	Communication skills - Theory *	2	_	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2		2
BP107P	Human Anatomy and Physiology – Practical	4		2
BP108P	Pharmaceutical Analysis I - Practical	4	-	2
BP109P	Pharmaceutics I - Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4		2
BP111P	Communication skills - Practical*	2	2	
BP112RBP	Remedial Biology - Practical*	2	-	i
	Total	32/34 <sup>\$</sup> /36 <sup>#</sup>	4	27/29 <sup>8</sup> /30

<sup>\*</sup>Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

\*Non University Examination(NUE)

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<sup>&</sup>lt;sup>\$</sup>Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit
BP201T	Human Anatomy and Physiology II - Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry 1 - Theory	3	1	4
BP203T	Biochemistry - Theory	3	1	4
BP204T	Pathophysiology-Theory	3	1	4
BP205T	Computer Applications in Pharmacy - Theory *	3	-	3
BP206T	Environmental sciences - Theory *	3	•	3
BP207P	Human Anatomy and Physiology II - Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I-Practical	4	•	2
BP209P	Biochemistry - Practical	4		2
BP210P	Computer Applications in Pharmacy - Practical*	2	-	1
	Total	32	4	29

\*Non University Examination (NUE)

Table-III: Course of study for semester III

Course code	Name of the course	No. of hours	Tutorial	Credit
BP301T	Pharmaceutical Organic Chemistry II - Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	-1	4
BP303T	Pharmaceutical Microbiology - Theory	3		4
BP304T	Pharmaceutical Engineering - Theory	3		4
BP305P	Pharmaceutical Organic Chemistry II - Practical	4		2
BP306P	Physical Pharmaceutics I - Practical	4	_	$\frac{2}{2}$
BP307P	Pharmaceutical Microbiology - Practical	4		2
BP 308P	Pharmaceutical Engineering - Practical	4		2
	Total	28	4	24





Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit
BP401T	Pharmaceutical Organic Chemistry III- Theory	3		4
BP402T	Medicinal Chemistry I - Theory	3	1	4
BP403T	Physical Pharmaceutics II - Theory	3	I	4
BP404T	Pharmacology I - Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I- Theory	3	1	4
BP406P	Medicinal Chemistry I - Practical	4		2
BP407P	Physical Pharmaceutics II - Practical	4		2
BP408P	Pharmacology I - Practical	4		2
BP409P	Pharmacognosy and Phytochemistry I - Practical	4	-	2
	Total	31	5	28

Table-V: Course of study for semester V

Course	Name of the course	No. of hours	Tutorial	Credit
BP501T	Medicinal Chemistry II - Theory	3		4
BP502T	Industrial Pharmacyl- Theory	3	i	4
BP503T	Pharmacology II - Theory	3	i	4
BP504T	Pharmacognosy and Phytochemistry II- Theory	3		4
BP505T	Pharmaceutical Jurisprudence - Theory	3		4
BP506P	Industrial PharmacyI - Practical	4		2
BP507P	Pharmacology II - Practical	4		$\frac{2}{2}$
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	<b>.</b>	2
	Total	27	5	26



Table-VI: Course of study for semester VI

Course	Name of the course	No. of hours	Tutorial	Credit
BP601T	Medicinal Chemistry III - Theory	3	1	4
BP602T	Pharmacology III - Theory	3	1	4
BP603T	Herbal Drug Technology - Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology - Theory	3		4
BP606T	Quality Assurance - Theory	3		
BP607P	Medicinal chemistry III – Practical		1	4
BP608P	Pharmacology III - Practical	4	•	2
BP609P	Herbal Drug Technology - Practical	4	•	2
		4		2
	Total	30	6	30

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Tutorial	Credit
BP701T	Instrumental Methods of Analysis - Theory	3		pomis
BP702T	Industrial PharmacyII - Theory	3	1	4
BP703T	Pharmacy Practice - Theory	3		4
BP704T	Novel Drug Delivery System - Theory	3		4
BP705P	Instrumental Methods of Analysis - Practical	4	1	4
BP706PS	Practice School*	-	*	2
		12	-	6
***	Total	28	5	24

<sup>\*</sup> Non University Examination(NUE)



## Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of hours	Tutorial	Credit
BP801T	Biostatistics and Research Methodology	3		4
BP802T	Social and Preventive Pharmacy	3	l i	4
BP803ET	Pharma Marketing Management			
BP804ET	Pharmaceutical Regulatory Science	3+3=		
BP805ET	Pharmacovigilance			4+4=
BP806ET	Quality Control and Standardization of Herbals		1+1=2	
BP807ET	Computer Aided Drug Design	6	171-2	
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
	Total	24	4	22

Table-IX: Semester wise credits distribution

Semester	Credit Points
1	27/29 <sup>\$</sup> /30 <sup>#</sup>
П	29
Ш	26
IV V	28
	26
VI	26
VII	24
VIII	22
Extraçurricular/ Co curricular activities	01*
Total credit points for the program	209/211 <sup>\$</sup> /212#

<sup>\*</sup> The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

\*Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.



<sup>&</sup>lt;sup>8</sup>Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

## MEWAR UNIVERSITY

# Examination Scheme (B.Sc Cardiac care Technology) FIRST SEMESTER

1,	74	L.	O	D	v
	4.3		u	14	Y

S.N	SUBJECT		THEC	DRY EXAM	T	
0	CODE	SUBJECTS	INTERN AL ASESSM ENT(C/P/	EXTERNAL ASSESSMEN T	TOT AL	CERDI TS
1	BCCT101	Anatomy I	A)			
2	BCCT102		(35+15) 50	50	100	4
3	BCCT103	Physiology I	(35+15) 50	50	100	
4	BCCT104	Biochemistry	(35+15) 50	50	100	4
5	BCCT105	Basic microbiology	(35+15) 50	50	100	4
6		Basic pathology	(35+15) 50	50		4
0	ELGA101	ELGA I	, ,,,,,,,,		100	4
ACT				25	25	

PRACTICAL

o CODE	SUBJECT CODE		PRACTICA	L EXAM	T	T	
		SUBJECTS	EXPERIM ENTS	SPOTT ER	VIV	RECO	тот
/	BCCT106	Anatomy I		EK	A	RD	AL
8	BCCT107	Physiology I	20		30		50
9	BCCT108	Biochemistry	20		30		
10			20				50
10		Pathology	20	30		50	
11	BCCT110	Microbiology			30		50
			20		30		50

## SECOND SEMESTER

#### THEORY

S.N	SUBJECT		THEO	T	T	
0	CODE	SUBJECTS	INTERNA L ASESSM ENT(C/P/ A)	EXTERNAL ASSESSMEN T	TOT AL	CERDI TS
1	BCCT201	Anatomy II				
2	BCCT202		(35+15) 50	50	100	4
3	BCCT203	Physiology II	(35+15) 50	50		
		Pathology+ Microbiology	(35+15) 50		100	4
4	BCCT204	ELGA II		50	100	4
		DEGA II	(35+15) 50	50	100	



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PRACTICAL

S.No	SUBJECT		PRACTICA	AL EXAM			
	CODE	SUBJECTS	EXPERIM ENTS	SPOTTE R	VIVA	RECOR D	TOTA L
7	BCCT 206	Anatomy II	20	30		50	
8	BCCT 207	Physiology II	20	30		50	
9	BCCT 208	Pathology+ Microbiology	20		30		50

# THEORY

## THIRD SEMESTER

			THEC	DRY EXAM		
S.No	SUBJECT CODE	SUBJECTS	INTERNA L ASESSME NT(C/P/A)	EXTERNAL ASSESSMENT	TOT AL	CERDI TS
1	BCCT301	Pharmacology	(35+15) 50	50	100	4
2	BCCT302	Psychology & sociology	(35+15) 50	50	100	4
3	BCCT303	Basic cardiac care technology	(35+15) 50	50	100	4
4	BCCT304	Environmental Science	(35+15) 50	50	100	4

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S.N.	SUBJECT		PRACTICAL EXAM				
	CODE	SUBJECTS	EXPERIM ENTS	SPOTTE R	VIVA	RECOR D	TOTA L
7	BCCT 305	Pharmacology	20	30		50	
8	BCCT 306	Psychology & sociology	20	30		50	
.9.	BCCT 307	Basic cardiac care technology	20		30		50



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#### FORTH SEMESTRE

THEORY

			THEO	RY EXAM	TOT AL	
S.No	SUBJECT CODE	SUBJECTS	INTERNA L ASESSME NT(C/P/A)	EXTERNAL ASSESSMENT		CERD ITS
1	BCCT401	Basic Patient care	(35+15) 50	50	100	4
2	BCCT402	Basic cardiac Evaluation	(35+15) 50	50	100	4
3	BCCT403	Basics of Medical Disorders	(35+15) 50	50	100	4
4	BCCT404	Fundamentals of Computer Science	(35+15) 50	50	100	4
5	BCCT405	Hospital Training Short Term		150	150	6

**PRACTICAL** 

S.No	SUBJECT		PRACTICA	L EXAM			
CODE	SUBJECTS	EXPERIM ENTS	SPOTTE R	VIVA	RECOR D	TOTA L	
7	BCCT 405	Basic Patient care	20	30		50	
8	<b>BCCT 406</b>	Basic cardiac Evaluation	20	30		50	
9	BCCT 407	Basics of Medical Disorders	20	30		50	
10s	BCCT408	Fundamentals of Computer Science	20		30		50

#### FIFTH SEMESTRE

THEORY

			THEC	RY EXAM		
S.No	SUBJECT CODE	SUBJECTS	INTERNA L ASESSME NT(C/P/A)	EXTERNAL ASSESSMENT	TOT AL	CERDI TS
	BCCT501	Cardiac Evaluation	(35+15) 50	50	100	4
2	BCCT502	Basic Cardiac Evaluation And Therapies Part 1	(35+15) 50	50	100	4
3	BCCT503	Coronary Angiography	(35+15) 50	50	100	4
4	BCCT504	Research & Bio Statistics	(35+15) 50	50	100	4

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-	and the latest and		date to	

S.No SUBJECT PRACTICAL EXAM EXPERIMENTE VIVA RECOR TOTA

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	<b> </b>		ENTS	R	D	L
7	BCCT 505	Cardiac Evaluation	20		30	50
8	BCCT 506	Basic Cardiac Evacuation And Therapies Part I	20	eranden er i entlere britanske kriste forske ken en 1966 eg f.f.	30	50
9	BCCT507	Coronary Angiography	20		30	50

#### SIXTH SEMESTRE

T	H	F	0	R	١
		-		"	

		SUBJECT SUBJECTS	THEO	THEORY EXAM		
S.No			INTERNA L ASESSME NT(C/P/A)	EXTERNAL ASSESSMENT	TOT AL	CERDI TS
<u> </u>	BCCT601	Basic Cardiac Evaluation And Therapies Part II	(35+15) 50	50	100	4
1.7	BCCT602	Cardiac Care Technology Clinical	(35+15) 50	50	100	4
3	BCCT603	Cardiac Care Technology Applied	(35+15) 50	50	100	4
4	BCCT604	Basic Intensive Care	(35+15) 50	50	100	4

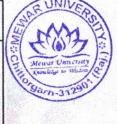
## ACTICAL

S.No	SUBJECT		PRACTICA	L EXAM			TOTA L
	CODE	SUBJECTS	EXPERIM ENTS	SPOTTE R	VIVA	RECOR D	
7	BCCT 605	Basic cardiac evaluation and therapies part 2	20	30			50
8	BCCT 606	Cardiac care technology clinical	20	30			50
سمر ا	BCCT607	Cardiac care technology applied	20		30		50
10	BCCT608	Basic intensive care	20	30		50	

#### FOURTH VEAR

S.No	SUBJECT CODE	SUBJECT	TOTAL MARK
01	BCCT 701 UNIVERSITA	In the fourth semester, the students will be posted to train in a hospital or diagnosis center sand to carry out project work simultaneously. It is a training program for developing the candidate as a professional in the field. The training posting report as well	OUU

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		as project work must be submitted with duly signed by the HOD of the B.Se Cardiac care Technology Department to the academic section of university or college as the part of the completion of the course.	
02	BCCT 702	Comprehensive academic and general viva voce	200

## B.Sc. Cardiac Care Technology Semester I Paper 1-[BCCT-101]: ANATOMY [INCLUDING HISTOLOGY]

S.No.	Topics To Be Covered
Chapter 1	Introduction: human body as a whole Definition of anatomy and its subdivisions Anatomical nomenclature and terminology (planes &positions) Surface Anatomy of main structures and vessels
Chapter 2	Applied anatomy& Joints Musculoskeletal system Connective tissue & its modification, tendons, membranes, special connective tissue. Bone structure, blood supply, growth, ossification, and classification. Muscle classification, structure and functional aspect. Joints classification, structures of joints, movements, range, limiting factors, stability, blood supply Nerve supply, dislocations and applied anatomy
Chapter 3	Upper extremity Bony architecture, Joints – structure, range of movement, Muscles – origin, insertion, actions, nerve supply Major nerves – course, branches and implications of nerve injuries Development of limb bones, muscles and anomalies Radiographic identification of bone and joints Applied anatomy
Chapter 4	Lower extremity Bony architecture Joints – structure, range of movement Muscles – origin, insertion, actions, nerve supply Major nerves – course, branches and implications of nerve injuries Development of limb bones, muscles and anomalies Radiographic identification of bone and joints Applied anatomy





# MEWAR UNIVERSITY

# **COURSE SYLLABUS**

# For

B. Sc. Agriculture as per the 5<sup>th</sup>

Deans' Committee



# Semester- wise distribution of courses

S.No	Co	urse Code	I Semester	Credit Hours
1.	HC	RT-111	Fundamentals of Horticulture	2 (1+1)
2.	ME	B-111	Fundamentals of Plant Biochemistry and Biotechnology	3(2+1)
3.	SC	HEM-111	Fundamentals of Soil Science	3(2+1)
4.	FO	R-111	Introduction to Forestry	2 (1+1)
5.	EN	G-111	Comprehension & Communication Skills in English	2 (1+1)
6.	AC	RO-111	Fundamentals of Agronomy	4(3+1)
7.	BI	D-111	Introductory Biology*/Elementary Mathematics*	2(1+1)/ 2(2+0)*
8.	EX	T-111	Agriculture Heritage*	1(1+0)*
9.	EX	T-112	Rural Sociology & Educational Psychology	2 (2+0)
10.	EX	T-113	Human Values & Ethics (non gradial)	1(1+0)**
11.	NS	S-111	NSS/NCC/Physical Education & Yoga Practices**	2 (0+2)**
тот	ÅL	*R: Reme	dial course; **NSS/NCC: Non-gradial courses	18+03*+03**

S.N O.		II Semester	
1.	PBG-121	Fundamentals of Genetics	3(2+1)
2.	MBB-122	Agricultural Microbiology	2(1+1)
3.	AE-121	Soil and Water Conservation Engineering	2(1+1)
4.	PPHY-121	Fundamentals of Crop Physiology	2(1+1)
5.	ECO-121	Fundamentals of Agricultural Economics	2(2+0)
6.	PPATH-121	Fundamentals of Plant Pathology	4(3+1)
7.	ENTO-121	Fundamentals of Entomology	4(3+1)
8.	EXT-121	Fundamentals of Agricultural Extension Education	3(2+1)
9.	EXT-122	Communication Skills and Personality Development	2(1+1)
10	NSS-121	National Service Scheme II*	2(0=2) *
	Total	*NSS: Non-gradial courses	24(16+8)+02 *



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S.N O.	COURSE	III Semester	CREDIT HOURS
1.	AGRO-211	Crop Production Technology – I (Kharif Crops)	2 (1+1)
2.	PBG-211	Fundamentals of Plant Breeding	3 (2+1)
3.	ECO-211	Agricultural Finance and Cooperation	3 (2+1)
4.	EXT-211	Agriculture Informatics	2(1+1)
5.	AE-211	Farm Machinery and Power	2 (1+1)
6.	HORT-211	Production Technology for Vegetables and Spices	2 (1+1)
7.	ENVT-211	Environmental Studies and Disaster Management	3(2+1)
8.	STAT-211	Statistical Methods	2(1+1)
9.	AH-211	Livestock and Poultry Management	4 (3+1)
10.	NSS-211	National Service Scheme III*	
Total		*NSS: Non-gradial courses	2(0=2) * 23(14+9)+02 *

S.NO.	COURS CODE	IV Semester	CREDIT HOURS
1.	AGRO-22	Crop Production Technology -II (Rabi Crops)	2(1+1)
2.	HORT-221	Production Technology for Ornamental Crops MAP and	
3.	ENVT-221	Renewable Energy and Green Technology	2(1+1)
4.	SCHEM-2	21 Problematic Soils and their Management	2(2+0)
5.	HORT-221	Production Technology for Fruit and Plantation Crops	2(1+1)
6.	PBG-221	Principles of Seed Technology	3(1+2)
7.	AGRO-222		1(1+0)
8.	ECO-221	Agricultural Marketing Trade & Prices	3(2+1)
9.	AGRO-223	Introductory Agra material a great	
10.		Elective Course- To be selected from Annexure-II	2(1+1)
11.	NSS-221	Notional Camina Cal. Tita	3 credit
Fotal	+NICO		2(0=2) *
LOINI	TNSS	Non-gradial courses	19(11+8)+ 3er.+02*



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S.NO.		ODE ODE	V Semester	CREDIT HOURS
1.	PPA	TH-311	Principles of Integrated Pest and Disease Management	3(2+1)
2.	SCF	EM-311	Manures, Fertilizers and Soil Fertility Management	3 (2+1)
3.		0-311	Pests of Crops and Stored Grain and their Management	3 (2+1)
4.	PPA'	TH-312	Diseases of Field and Horticultural Crops and their Management -I	
5.	PBG	-311	Crop Improvement-I (Kharif Crops)	2 (1+1)
6.	ECC	-311	Entrepreneurship Development and Business Communication	
7.	AGR	0-311	Geoinformatics and Nano-technology for Precision Farming	2 (1+1)
8.	AGR	0-312	Proctice! C D. J. J.	2 (0+2)
9.	EXT	Service de la constant de la constan	Intellectual Property Rights	
10.				1(1+0)
			Elective Course- To be selected from Annexure-II	3 credit
Fotal				21(12+09)+ 3 Credit

S.NO.	COURSE	VI Semester	CREDIT HOURS
1.	AGRO-321	Rainfed Agriculture & Watershed Management	2 (1+1)
2.	AE-322	Protected Cultivation and Secondary Agriculture	2 (1+1)
3.	PPATH-321	Diseases of Field and Horticultural Crops and their Management-II	
4.	HORT-321	Post-harvest Management and Value Addition of Fruits and Vegetables	2 (1+1)
5.	ENTO-321	Management of Beneficial Insects	2 (1+1)
6.	PBG-321	Crop Improvement-II (Rabi crops)	2 (1+1)
7.	AGRO-323	Practical Crop Production -II (Rabi crops)	2 (0+2)
8.	AGRO-324	Principles of Organic Farming	
9.	AE-321	Farm Management, Production & Resource Economics	2 (1+1)
10.	HORT-322	Principles of Food Science and Nutrition	2 (1+1)
II.			2(2+0)
		Elective Course- To be selected from Annexure-II	3 credits
Fotal			21 (11 + 10)+ 3 cr.

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	VII Semester		
SN.	RAWE 411- Rural Agricultural Work Experience and Agricultural Work	gro-industrial	Attachmen
	Activities	No. of weeks	Credit Hours
1	General orientation & On campus training by different faculties	1	
2	Village attachment/ Unit attachment in University/ College/ KVK/ Research Station.	8	14
3	Agro-Industrial Attachment	10	06
4	Project Report Preparation, Presentation and Evaluation	1	-
Tota	weeks for RAWE & AIA	20	20

VIII Semester	
Module: Experiential Learning Programme (ELP)/ Hands on training	g (HOT)   Credit Hr.
1. Module-I	0+10
2. Module-II	0+10
Total	20 (0+20)

# Experiential Learning Programme (ELP)/ Hands On Training (HOT)

This program will be undertaken by the students preferably during the eighth semester for a total duration of 24 weeks with a weightage of 0+20 credit hours. The students will register for any of two modules, listed below, of 0+10 credit hours each.

- 1. Production Technology Bio-agents and Bio-fertilizer
- 2. Seed Production and Technology
- 3. Mushroom Cultivation Technology
- 4. Soil, Plant, Water and Seed Testing
- 5. Poultry Production Technology
- 6. Hybrid Seed Production Technologies
- 7. Floriculture and Landscaping
- 8. Food Processing
- 9. Commercial Horticulture

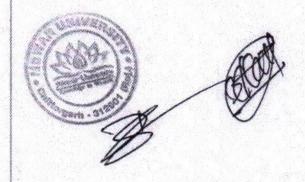


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- 10. Agriculture Waste Management
- 11. Organic Production Technology
- 12. Commercial Sericulture

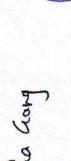
In addition to these ELP modules other important modules may be given to the students by SAUs. Indian Council of Agricultural Research has already provided financial help for establishment of two or more Experiential Learning units in different State Agricultural Universities, hence, each university is expected to plan EL program accordingly.



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				Total Marks		100	001	100	50	90	100	100	50	059	
				End Term	Practical	0	0	0	25	25	0	50	25		
				Internal	Practical	0	0	0	25	25	0	50	25		
				End Term End Term Part 2	/ Viva- Voce	90	90	20	0	0	90	0	0		(
	, A	ANCE		End Term	Tag T	35	35	35	0	0	35	0	0		
STHAN	HNOLOG	MINTEN		É	•	51	15	15	0	0	15	0	0		
RAJ/	TECI	AFT N		Credits		4	4	4	-	-	4	2	-	21	
UNIVERSITY, RAJASTHAN	OF SCIENCE & TECHNOLOGY	COURSE: B.Sc. (Hons.) AIRCRAFT MAINTENANCE	I SEMESTER	Total contact hours   Credits		4	•	4	2	2	4	4	2	26	
MEWAR	FACULTY 0	) .o.		per k	2	0	0	0	7	2	0	77	2	01	
W.	17	B.S		Contact hours per Week	۲	-	-	-	0	0		0	0	4	
$ \Xi $		SE:		اع	1	3	3	9	0	0	3	0	0	12	
	EA	COURS		Course Title		Physics	Mathematics-I	Chemistry	Physics Lab	Chemistry Lab	Basic Electrical Engineering	Engincering Graphics & Design Lab	Basic Electrical Engineering Lab		
				Course Code		BSCI01	BSC102	BSC103	BSC104	BSC105	ESC101	ESC102	ESC103	TOTAL	
				Category			2,200	Science				Science Courses			
				S.No.		-	2	-	4	S	9	7	<b>80</b>	and the state of t	

Ms. Garima Garg







	Total Marks		100	100	100	001	100	100	80	05	•	700
	End Term		0	0	0	0	90	80	0	22	0	
	Internal		0	0	0	0	20	80	0	25	0	
	End Term End Term Part 2	300	90	50	50	90	0	0	25	0	0	
	End Term		35	35	35	35	0	0	15	0	0	
	1		15	15	15	15	0	0	01	0	0	
	Credits		4	4	4	4	2	2	2	-	0	23
II SEMESTER	Total contact hours Credits		4	4	4	4	7	4	2	2	2	30
	-	4	0	0	0	0	4	4	0	7	0	91
	Contact hours per Week	H	-	-	-	-	0	0	0	0	0	4
	0 %	٦	m	В	n	б	0	0	2	0	7	91
	Course Title		Mathematics –II	Programming for Problem Solving	Enginecring Mechanics	Basic Electronics	Programming for Problem Solving Lab	Workshop Practices Lab	English	English Lab	Environmental Science	1
	Course Code		BSC106	ESC104	ESC105	ESC106	ESC107	ESC108	HSMC 101	HSMC 102	MC-I	TOTAL
	Category		Basic Science course			Science Science Courses			Humanities and Social	Sciences including Management courses	Mandatory courses	
	S.No.	minimin								-	-	

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S.Ne.	Category	Course Code	Course Title	ರಕ್ಷ	Contact hours per Week		Total contact hours Credits	Credits	<b>TA</b>	End Term	End Term End Term Part 2 Part 1 / Viva- Voce	Internal	End Term Practical
				1		۵.							
- 1		BAME-301	Aircraft Structure & Associated Systems	E.	-	0	4	4	15	35	50	0	0
7		BAME-302	Aerodynamics	3	-	0	4	4	15	35	50	0	0
3	Professional	BAME-303	Aircraft Materials & Hardware	9	-	0	•	4	15	35	90	0	0
4	Core courses	BAME-304	Aircraft Structure & Associated Systems Lab	0	0	2	2	-	0	0	0	22	25
•		BAME-305	Aerodynamics Lab	0	0	7	2	-	0	0	0	25	25
9		BAME-306	Aircraft Materials & Hardware Lab	0	0	2	2	-	0	0	0	25	22
7	Humanifics and Social Social	HSMC201	Organizational Behavior	3	0	0	3	3	10	25	40	0	0
		TOTAL		12	3	9	21	81					

III SEMESTER

Ms. Gavina Garg









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	Total Marks		8	8	8	90	93	89	8	50	50	\$0	8	0
	Total	nenenen kanada			•••	-	-	5	-	8	8	-	- S	800
	End Term		0	0	0	0	0	25	25	25	23	25	0	
	Juterna L		0	0	0	0	0	25	23	25	25	25	0	
	End Term End Term Part 2		50	50	90	90	90	0	0	•	0	0	23	
	End Term		35	35	35	35	35	0	0	0	0	0	15	
	77		15	15	15	15	15	0	0	0	0	0	01	
æ	Credits		4	4	4	4	4	-	-	-	-	-	2	27
V SEMESTER	Total contact hours Credits		4	4	4	3	6	2	2	2	2	2	2	30
	T	-	0	0	0	0	0	2	2	2	7	2	0	92
	Contact hours per Week	H	-	-	-	-	-	0	0	0	0	0	0	2
	<u> </u>	<u> </u>	£	m	m	Ε.	m	0	0	0	0	0	2	17
	Course Title		Electrical Fundametals-II	Electronic Fundamentals & Digital Techniques-II	Gas Turbine Engine	Piston Engines & Propellers	Human Factors	Electrical Fundametals-II Lab	Electronic Fundamentals & Digital Techniques-II Lab	Gas Turbine Engine Lab	Piston Engines & Propellers Lab	Human Factors Lab	Humanities I (Effective Technical Communication)	
	Course Code		BAME-501	BAME-502	BAME-503	BAME-504	BAME-505	BAME-506	BAME-507	BAME-508	BAME-509	BAME-510	HSMC301 (OEL II)	TOTAL
	Category						Professional	Core courses					Humanities and Social Sciences including Management courses	
	S.Na.			N	-	**	8	9	1	00	6	01	=	

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ģ	Category	Course Code	Course Title	S as ≥	Contact hours per Week	Total contact hours Credits	Credits	TA	End Term Part 1	End Term End Term Part 2	Internal	End Term Practical	Total Marks
				د	T								
		BAME-601	Avionics	3	1 0	r	4	15	35	25	0	0	001
		BAME-602	Transducers & Sensors	6	0	2	4	15	35	25	0	0	100
		BAME-603	Aircraft Systems-I	6	0 -	3	4	15	35	25	0	0	81
		BAME-604	Quality Management System	3	0	3	4	15	35	25	0	0	100
	Professional Core courses	BAME-605	Typical Aircraft Maintenance- Fixed Wing Light/ Composite Aircraft	ъ	0 -	3	4	15	35	22	0	0	100
		BAME-606	Avionics Lab	0	0 2	2	-	0	0	0	25	25	8
		BAME-607	Transducers & Sensors Lab	0	0 2	2	-	0	0	0	25	25	20
		BAME-608	Aircraft Systems-I Lab	0	0 2	2	-	0	0	0	25	25	80
		BAME-609	Quality Management System Lab	0	0 2	2	-	0	0	0	25	25	80
	Mandatory courses	MC-II	Essence of Indian Knowledge Tradition	2 0	0	2	0	0	0	0	0	0	0
		TOTAL		17 5	∞	24	24						

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Course Code   Course Code   Course Title   Course						Section 1		SEMESTEK						
PaME-702   Workshop Practices   2   1   0   3   4   15   35   25   0   0   0	N,		Course Code		D log A	urs pe	1000	S Credits	T.	End Term	End Term Part 2	Internal	End Term	Total Media
BAME-702   Aircraft Systems-II   3   1   0   3   4   15   35   25   0   0   0     BAME-703   Corrusion & NDT Techniques					7					Part 1	/ Viva- Voce	Practical	Practical	
BAME-703   Corrosion & NDT Techniques   3   1   0   3   4   15   35   25   0   0   0	-		BAME-701		3	-		4	15	35	25	0	0	100
Professional Parker-704   Ground Handling Safety & Support   System   Professional Parker-705   Core courses   Professional Parker-706   Ground Handling Safety & Support   System   System   System   System   System   System   System   System   System   Statem   System   Statem   System   Statem   System   Statem   System   Support   System	7		BAME-702		3			4	15	35	25	0	0	001
Professional Core courses   Professional Aircraft Maintenance Fixed   Core courses   Core cour	-		BAME-703		т	_		4	51	35	25	0	0	901
Professional Core courses   BAME-706   Typical Aircraft Maintenance-Fixed   3   1   0   4   4   15   35   25   25   25   25   25   25   2	4		BAME-704		-	-		4	15	35	25	0	0	100
BAME-706   Workshop Practices Lab   0   0   2   2   1   0   0   0   0   25   25   25   25   2	~	Professional Core courses	BAME-705			-		4	15	35	28	0	0	001
BAME-706   Aircraft Systems-II Lab   0   0   2   2   1   0   0   0   0   25   25   25	9		BAME-706			-		-	0	0	0	25	25	50
Mandatory courses         MC-III         Corrosion & NDT Techniques Lab Support System Lab System Lab Internship)         2         2         1         0         0         0         2         2         2         2         1         0         0         0         2         2         2         2         1         0	7		BAME-707	Aircraft Systems-II Lab	-	-		-	0	0	0	25	25	90
Mandatory courses         MC-III         Constitution of India         2         2         1         0         0         0         2         25           Project (Or Summer internship)         MC-III         Constitution of India         2         0         150<	00		BAME-708	Corrosion & NDT Techniques Lab	-			-	0	0	0	25	25	\$0
Mandatory courses         MC-III         Constitution of India         2         0         2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         150	6		BAME-709	Ground Handling Safety & Support System Lab	-	-		-	0	0	0	25	2.5	80
Project (Or Summer   PROJ   Short Term Training (21-45 Days)/	10	Mandatory courses	MC-III	Constitution of India	-			0	0	0	0	0	0	0
17 5 14 32 27	=	Project (Or Summer internship)	PROJ AME 401	Short Term Training (2145 Days)/ Project-III			9	3	0	0	0	0	150	150
			TOTAL	د				12						850









Ms. Garima Garg

Course Code   Course Title						VIII SENIESTER	TEX.						
BAME-801         Comprehensive Academic and General Proficeincy Viva-Voce         L         T         Proficeingly Viva-Voce         2         2         0         0         50         0	S.Na.	Category	Course Code		Conta hours		- Constitution	Profest Benert	Internal	Industry	Internal	End Term	Total Marks
BAME-802         Comprehensive Academic and General Proficiency Viva-Voce         0         0         2         2         0         0         50         0         0           TOTAL           TOTAL CREDITS              TOTAL CREDITS              100         20         10         100         100         0<					LT	٩		and wasford	Evaluation	Evaluation	Practical	Practical	
BAME-802   Industrial InternshipProject-IV   0   0   20   20   10   100   100   300   0   0	-	Project	BAME-801		0	0 2	2	0	0	50	0	0	8
0         20         10           TOTAL CREDITS         173         TOTAL MARKS	2		BAME-802	Industrial Internship/Project-IV	0 0		2	100	100	300	0	0	200
173 TOTAL MARKS			TOTA			20	91						200
173 TOTAL MARKS													
				TOTAL CREDITS			£71		<b>.</b>	FOTAL MARKS	(		\$400







Ms. Garina Garg

Seconds   Course Code   Course Title   Contact House Per Neek   Total   Credits   Total   Course Title   C				COURSE: R Tech RBANCH: Chemics	CII. Chemi	real En	vincering								
Paciety   Caregory   Caurac Tride   Counter				I SEMI	ESTER		C								
Bisich Science Course   BisClida   Chemicalistic   Signature   S	S.Na.	Category	Course Code	Course Title	Contac	T	per Week P	Total		TA	Term	Ferm	Internal	Term	Total Marks
Fingine Counce Counce   Fisc	-		BSC101	Physics	3	-	0	4	4	13	35	90	0	0	2
Basic Science Course   BECTOR   Basic Electrical Engineering Science Course C	3		BSC102	Mathematics-1	3	-	0	4	4	15	35	20	0	0	100
ESCIDI   Basic Electrical Engineering Ciaplities & Design Lab   Contact Name Science Courses   ESCIDI   Basic Electrical Engineering Ciaplities & Design Lab   Contact Name Science Course Course Code   Course Co	-	- Basich Science course	BSC103	Chemistry	3		0	4	4	15	35	80	0	0	100
Biolite Course Course Course Course Course Course Title   12	4		BSC104	Physics Lab	0	0	2	2	-	0	0	0	25	25	20
ESCIOI   Eucirical Engineering Capulsa & Design Lab   1   0   4   4   15   35   50   0   0   50   50   50   50	5		BSC105	Chemistry Lab	0	0	2	2	-	0	0	0	25	25	8
Engineering Science Courses   ESC103   Engineering Cirplets & Dosign Lab   Course Circle Science Course Course Course Course Course Code   C	9		ESC101	Basic Electrical Engineering	3	-	0	4	4	15	35	20	0	0	8
TOTAL   FECURAL Engineering Lab   Course Title	7	Engineering Science Courses	ESC102	Engineering Graphics & Design Lab	0	0	4	4	2	0	0	0	90	50	3
TOTAL   TOTA	90		ESC103		0	0	2	2	-	0	0	0	25	25	98
Basic Science Course Code			TOTAL		12	7	10	26	21						059
Paris   Category   Course Code   Course Title   Contact hours per Week   Total   Credits   Total   Credits   Total   Credits   Total   Credits   Total   Credits   Total   Term				IMAG II	COTED									7	1
Basis Science course   BSC106   Mathematics -II   1   0   4   4   15   35   50   0   0   0	.No.	Category	Course Code		Contact	hours	ber Week	Total	Credits	TA	End	End	Internal	_	Total
Engineering Science Courses   ESC104   Programming for Problem Solving   3   1   0   4   4   15   35   50   0   0   0     ESC105   Engineering Mechanics   3   1   0   4   4   15   35   50   0   0   0     ESC106   ESC106   ESC107   Programming for Problem Solving Lab   0   0   4   4   15   35   50   0   0   0     ESC107   Programming for Problem Solving Lab   0   0   4   4   15   35   50   0   0   0     ESC108   Workshop Practices Lab   0   0   4   4   2   0   0   0   0   0     Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0     Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0     Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   1   0   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   2   1   0   0   0   0   0   0   0      Mandatory   MC-I   English Lab   0   0   2   2   2   1   0   0   0   0   0   0   0   0   0	-	Racio Science course	BSC106	Mathematics	3 "	-	- 0	4	4	15	35	50	0	-	100
ESCIOS   ESCIOS   Engineering Mechanics   3   1   0   4   4   15   35   50   0   0   0   0   0   0   0   0	2		ESC104	Programming for Problem Solving	3	-	0	4	4	15	35	50	0	0	SOUN
Engineering Science Courses   ESCIO6   Basic Electronics   3   1   0   4   4   15   35   35   0   0   0   0   0   0   0   0   0	3		ESC105	Engineering Mechanics	3	-	0	4	4	15	35	50	0	0/0	100
Humanities and Social   ESC107   Programming for Problem Solving Lab   0   0   4   4   2   0   0   0   50   50   50   50   5	7	Engineering Science Courses	ESC106	Basic Electronics	3	1	0	4	4	15	35	50	0	0 = 1	9
HSMC	5		ESC107	Programming for Problem Solving Lab	0	0	4	4	2	0	0	0	20	30	Took
Humanities and Social HSMC   English	9		ESC108	Workshop Practices Lab	0	0	P	4	2	0	0	0	20	-05	000
HSMC	7	Humanities and Social	HSMC 101	English	2	0	0	2	2	10	15	25	0	•	7
Mandatory MC-I		Sciences including Management courses	HSMC 102	English Lab	0	0	2	2	-	0	0	0	25	25	50
TOTAL   III SEMESTER   Total Category   Course Code   Course Title   L   T   P   Contact hours per Week   Total Category   BSC107   Mathematics-III   3   1   0   4   4   15   35   50   0   0   0   0   0   0   0   0		Mandatory courses	MC-I	Environmental Science	2	0	0	2	0	0	0	0	0	0	0
III SEMESTER   Course Code			TOTAL		16	4	10	30	23						700
Course Code   Course Code   Course Title   L   T   P   P   Contact   Total   Credits   TA   Term				III SEME	STER										
Category   Course Code   Course Lills   L   T   P   contact   Credits   IA   Term   Term   Practical   Term     BSC107   Mathematics-III   3   1   0   4   4   15   35   50   0   0     BSC108   Biology for Engineers   S   0   0   2   2   10   15   25   0   0     BSC109   Chenistry-II   3   0   0   4   4   15   35   50   0   0     Engineering Science Course   ESC109   Thermodynamics-II   3   1   0   4   4   15   35   50   0   0     Professional Professiona					Contact	ours p	er Week	-	-	·	End	End	Internal		Total
Basic Science course   BSC107   Mathematics-III   3   1   0   4   4   15   35   50   0   0   0	o.	Category	Course Code	Course Inte	Г	Т	Ь	-	Credits	4	Term	Term		-	Marks
Basic Science course   BSC108   Biology for Engineers   2   0   0   2   2   10   15   25   0   0   0			BSC107	Mathematics-III	3	_	0	4	4	15	35	50	0	0	901
Engineering Science Courses   ESC109   Chemistry-II   3 0 0 0 3 3 10 25 40 0 0 0		Basic Science course	BSC108	Biology for Engineers	2	0	0	2	2	10	15	25	0	0	8
Engineering Science Courses ESC109 Thermodynamics-1 3 1 0 4 4 15 35 50 0 0 0 Professional Profes			BSC109	Chemistry-II	3	0	0	3	3	01	25	40	0	0	7.5
Professional PCC-CH101 Transport Phenometrics 3 1 0 4 4 15 35 50 0 0		Engineering Science Courses	ESC109	Thermodynamics-1	3	_	0	4	4	15	35	50	0	0	00
Professional PCC-CH102 Fluid Mechanics 3 1 0, 4 4 15 35 50 0 0			PCC-CH101	Transport Phenomenia E.	3	-	0	4	4	15	35	50	0	0	00
		Professional	PCC-CH102	Fluid Meckans	3	-	0	4	4	15	35	50	0	0	100

Theo Part

T	Т		T	T	=	2	٦			٦	ا			7	12	w	A-16	1	4/4 100	11/2	0	To	0		~	5	20	50	000
	8	7.5	150		-	2	8	001	100	100	100	50	अ	20	X 23	125		100	Nat.	100	001	001	100	50	75	75	Ñ	1 20	1
	25	٥			End	Term	0	0	0	0	0	25	25	25	0		S. Carrier		Ten		0	0	0	23	0	0	0	25	
-	25	0			Internal	Practical	0	0	0	0	0	25	25	25	0				Internal Practical	0	0	0	0	25	0	0	0	25	
-	0	40			End	Term	20	50	50	50	50	0	0	0	40				End	50	50	50	50	0	40	40	25	0	
	0	25			End	Term	35	35	35	35	35	0	0	0	25				End	35	35	35	35	0	25	25	15	0	
-	0	10			ТА		15	15	15	15	15	0	0	0	10				TA	15	15	15	15	0	10	01	01	0	1
-	-	1	29		Cradite	Citedina	4	4	4	4	4	-	-	1	3	26			Credits	4	4	4	4	-	3	3	7	-	
	2	3	30		Total	contact	4	4	4	4	4	2	2	2	3	29			Total	4	4	4	4	2	3	3	7	2	
	2	0	2		Contact hours per Week	Ь	0	0	0	0	0	2	2	2	0	9		1		0	0	0	0	2	0	0	0	2	1
	0	٥	v.		hours I	Т	-	-	-	-	-	0	0	0	0	8			ours pe	_	_	L	0	0					1
1	0	n	23	STER	Contact	T	3	3	3	3	3	0	0	0	Э	18	44	EK	Contact hours per Week	3	3	3		0	3 0	3 0	2 0	0 0	-
Treat Hallster	Chemical Engineering Lab-1	Organizational Behavior		IV SEMESTER		Course Line	Material & Energy Balance Computations	Mass Transfer-I	Thermodynamics-II	Chemical Reaction Engineering-I	Process Control	Chemical Engineering Lab-II	Chemical Reaction Engineering Lab	Instrumentation & Control Lab	Universal Human Values 2. Understanding Harmony			V SEMESTER	Course Title	Numerical Methods in Chemical Engineering	Particle & Fluid Particle Processing	Mass Transfer-II	Chemical Reaction Engineering-II	Design and Simulation Lab	Elective-I	Elective-II	Humanities I (Effective Technical Communication)	Minor Project/ Seminar/Summer	MICHANIE
	PCC-CH104	al HSMC201	TOTAL		Comment Code	Course Code	PCC-CH105	PCC-CH106	PCC-CH107	PCC-CH108	PCC-CH109	PCC-CH110	PCC-CHIII	PCC-CH112	H-102	TOTAL			Course Code	PCC-CH113	PCC-CH114	PCC-CH115	PCC-CH116	PCC-CH117	PEC-EL321-325	PEC-EL321-325	HSMC301 (OEL II)	PARTERIA	N. C. S.
Core courses		Humanities and Social Sciences including Management courses				Laregory		<b>I</b>		Professional	Core courses				Humanities and Social Sciences including Management				Category		Professional	Core courses			Professional Elective courses		Humanities and Social Sciences including Management courses	Project (Summer internship)	
1	88	5				S.No.	-	2	3	7	5	9	7	8	6			1	S.No.		_	2	3	4	S Pro		I inclu	Proj	

Professional Elective courses   Process Technology & Economics   Target No.	Conception   Course Code   Course Title   Course				VI SEMESTER	ESTER										T
Transition   Feedback   Feedbac	Professional Electric courses   Proc. CFL 118   Proc. St Technology & Escatonics   1	S.No.	Category	Course Code	Course Title	Contact	hours	per Week	Total	Cradite	TA	End	End	Internal	-	Total
Total Control Course Course   FeC-ELA1-A3   Process Technology & Economics   1   1   1   1   1   1   1   1   1	The Free course   Process Technology & Economics   3   1   0   4   4   5   5   5   5   5   5   5   5						T	Ь	contact	e la		Term	Term	_	-	Marks
Professional Elective courses   PEC-EL431-435   Elective-VII   State   Professional Elective-VII   State   Professional Elective courses   PEC-EL431-435   Professional Elective courses   PEC-EL431-435   Professional Elective-VII   State   Professional Elective courses   PEC-EL431-435   Professional Elective-VII   State   Professional Elective-VII   State   Professional Elective-VII   PEC-EL431-435   Professional Elective-VII   PEC	Professional Elective courses   PEC-EL431-425   Elective-III   3   0   0   2   2   4   0   0   2   5   5   5   5   5   5   5   5   5	-	Professional	PCC-CH118	Process Technology & Economics	۳	-	0	4	4	15	35	50	0		100
3   Processorial Electric courses   Processorial Electric   Processorial Electric courses   Processorial Electric course   Processorial   Proc	3   Projective courses   PEC-ELA31-423   Elective-III   3   0   0   3   3   10   25   40   0   0   75     4   Open Elective courses   PEC-ELA31-423   Elective-III   Projecti	2	Core courses	PCC-CH119	Process Technology Lab	0	0	2	2	-	0	0	0	25	25	50
Authorise   PRO-LCH 211-425   Elective-IV   3   0   0   0   3   10   25   40   0   0   0   7   7	Appendication of the courses   Piccia Carlo	6	Professional Elective courses				0	0	3	3	10	25	40	0	0	75
Source   Course Code   Cours	Campaiany courses   OEC-401   Open Elective   1	4		_		6	6	c	3	3	10	36	40	0	6	36
Mandatory courses   MC-II   Essence of Indian Exoveledge   2   0   0   0   0   0   0   0   0   0	Project   PROJ.CH 302   Essence of Indian's Roowledge   2   0   0   0   0   0   0   0   0   0	5	Open Elective courses	OEC- 401		3	0	0	3	3	10	25	40	0	0	7.
Project   PROJCH 302   Project-II(Major Project)   14   1   12   27   19   0   0   10   123   123   27   18	Project   PROJ-CH 302   Project     PROJ-CH 302   Project     PROJ-CH 302   Project     PROJ-CH 302   Project       PROJ-CH 302	9	Mandatory courses	MC-II	Essence of Indian Knowledge Tradition	2	0	0	2	0	0	0	0	0	0	0
No.   Category   Course Code   Course Title   1   12   27   19   19   19   19   19   19   19   1	TOTAL   TOTA	7	Project	PROJ-CH 302	Project-II( Major Project)	0	0	10	10	5	0	0	0	125	125	250
Caucactory   Course Code   Course Title   Contact hours per Week   Total   Credits   Total   Term   Prescise   Total   Term   Prescise   Total   Term   Te	No.   Category   Course Code   Course Title   Contact hours per Week   Total   Credits   Total   Credits   Total   Credits   Total   Credits   Total   Credits   Total   Credits   Total   Term   Professional   PEC-EL431-435   Elective-VI   3   0   0   3   3   10   25   40   0   0   0   0   0   0   0   0			TOTAL		14	1	12	27	19						625
Professional PEC-EL431-435   Elective-VI   3   0   0   3   3   10   25   40   0   0   0   0   0   0   0   0	Professional Elective courses   PEC-EL431-435   Elective-VI   Short Term Training (21-45 Days) Project   PROJ-CH402   Project   Projec				WII OFF	udaboal										
Professional PEC-EL431-435   Elective-V   3   0   0   3   3   10   25   40   0   0   0   0   0   0   0   0	Professional PEC-EL431-435   Elective-VI   3   0   0   3   3   10   25   40   0   0   7					Contract	house	Troub.	Total			770	7.6		-	
Professional Elective courses	Professional Pec- E4.41-435   Elective-V   3 0 0 0 3 1 0 25 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.NO.	Category	Course Code	Course Title	L	L	P	contact	Credits	TA	Term	Term	Practica	-	-
PEC-EL431-435   Elective-VI   3   0   0   3   3   10   25   40   0   0   0   0   0   0   0   0	PEC-EL431-435   PEC-EL431-431-435   PEC-EL431-435   PEC-EL43		Professional	PEC- EL431-435		ъ	0	0	3	3	10	25	40	0	-	Commence of the last
Open Elective courses	Open Elective courses   OEC-402   Open Elective III   3   0   0   3   3   10   25   40   0   0   0   0   0   0   0   0	2	Execute compass	PEC-EL431-435		3	0	0	3	3	10	25	40	6	-	1,0
Mandatory   MC-III   Constitution of India   2   0   0   2   0   0   2   0   0   0	Mandatory   MC-III   Constitution of India   3   0   0   3   3   10   25   40   0   0   0   0	3	i	OEC- 402	Open Elective II	м	0	0	3	3	01	25	40	0	0	7
Mandatory courses         MC-III         Constitution of India         2         0         0         2         0	Mandatory   MC-III   Constitution of India   2   0   0   2   0   0   0   0   0   0	4	Open Elective courses	OEC- 403	Open Elective III	3	0	0	3	3	10	25	40	0	0	1
Project (Or Summer internship)	Project (Or Summer internship)		Mandatory courses	MC-III	Constitution of India	2	0	0	2	0	0	0	0	. 0	•	+
TOTAL   14   0   6   20   15   15   15   15   15   15   15   1	TOTAL   TOTAL   14   0   6   20   15		Project (Or Summer internship)	PROJ-CH 401			0	9	9	3	0	•	0	0	150	
Category   Course Code   Course Title   Contact hours per Week   Total   Project   Internal   Industry   Internal   End   Evaluati   Evaluati   Evaluati   Evaluati   Fractical   Term	Category Course Code Course Title Contact hours per Week Total Project Office Internal Industry Indust			TOTAL		14	0	9	20	15				-		+
Category Course Code Course Title Contact hours per Week Total Report Internal Industry Internal End  L T P contact Report Evaluati Evaluati Practical Term Project PROJ-CH 402 Industrial Internship/Project-IV 0 0 20 20 10 100 100 300 0 0  TOTAL 0 100 100 100 100 100 100 100 100 100	Category Course Code Course Title L T P contact Hours Per Week Total Project Internal Industry Internal End Front Project Project Internal Industry				VIII SEM	IESTER										
PROJ-CH 402 Industrial Internship/Project-IV 0 0 20 20 10 100 100 300 0 0 0 TOTAL 0 0 0 20 10 10 100 100 300 0 0 0 0 100 100 100	PROJ-CH 402	•	Category	Course Code	Course Title	Contact	hours	per Week	Total	-	-				-	
0 0 20 10 10 10 20 0	0 0 20 10 10 0		Project	PROJ-CH 402	Industrial Internship/Project-IV	0	. 0	20	20	1	100	-			_	-
	166			TOTAL		0	0	20		9			1		+	+

Professional Elective courses (15)
(321)Water Conservation and Management

Open Elective Courses (12)

Soft Skills and Interpersonal Communicatio

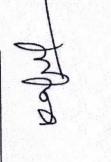




Engineering	PEC-EL321- (323) Interfaci	(324) Nanoscience and Nanotechnology	(325) Advanced Separation Processes	(421) Polymer Science and Engineering	(422) Environr and Control	PEC-EL 421- (423) Renewable Energy 425	(424)Optimization Methods	(425) Petrochen	(431) Chemical Reactor Analysis	(432) Nuclear Reactor Technology	PEC-EL 431- (433) Energy Management in Process Industries	(434) Energy Management in Process Industries	(435) Food Technology
ADIIIICA	(323) Interfacial Engineering	ence and BY	ed Separation	Science and	(422) Environmental Pollution and Control	ble Energy	tion Methods	(425) Petrochemical Technology	Reactor	leactor	anagement in ies	anagement in ies	nology

ICT for Development	OEC-401
Human Resource Development and Organi	
Entrepreneurship	
Introduction to Philosophical Thoughts	
Comparative Study of Literature	OEC-402
Indian Music System	
History of Science & Engineering	
Introduction to Art and Aesthetics	
Cyber Law and Ethics	OFC-403
Advanced Engineering Mathematics	
Quality Control And Reliability	









## MEWAR UNIVERSITY CHITTORGARH (RAJASTHAN)

Department of Civil Engineering
Faculty of Engineering and Technology
SCHEME, CURRICULUM AND SYLLABUS

Four - Year (Regular) B Tech: Civil Engineering

		COURSI	SYI.	LABU	S EFF	ECTIVI	SYLLABUS EFFECTIVE FROM 2021-22 Bachelor of Technology BDANCH, Ci., it is	2021-22	SYLLABUS EFFECTIVE FROM 2021-22 COURSE: Bachelor of Technology RDANCH, Ci. ii c				
			5		I SE	SEMESTER	RANCH R		gineering				
Course Title	2	ı	Com	Contact hours per Week	urs per	Total	Total Credits		End Term	End Term Part	Internal	End	
			-	+	4	hours			Part	2 / Viva- Voce	Practical	Practical	I otal Marks
Physics			3	-	0	4	4	15	35	8	o	=	801
Mathematics-1			3	-	0	4	4	15	35	95	0	) c	8 8
Chemistry			6	-	0	4	4	15	35	80	0	o	8
BSC104 Physics Lab			0	0	2	77	-	0	0	0	25	25	\$
Chemistry Lab			0	0	2	2	_	0	0	0	35	36	8
ESC101 Basic Electrical Engineering	Engine	cring	m	-	0	4	4	15	35	20	) =	} =	100
Engineering Graphics & Design Lab	aphics	& Design	0	0	4	4	2	0	·	0	30	30	8
ESC103 Basic Electrical Engineering Lab	Engine	ering Lab	0	0	2	2	-	0	0	0	25	36	S
TOTAL			22	-	9	26	21					1	2 93





Page 1

1														
	Category	Course	Course Title	S	Contact hours per Week	us per	Total	į	1	End Term	End Term Part Internal	Internal	End	
100				1	1	4	Mours	* Section bed reported to the section of		Part	2/Viva-Voce	Practical	Practical	Letal Marks
1	Basic Science course	BSC106	BSC106 Mathematics -II	m	-	0	4	4	5	35	80	0	0	8
		ESC104	Programming for Problem Solving	3		0	4	4	15	35	,05	0	0	100
	Engineering	ESC105	ESC105 Engineering Mechanics	3	-	0	4	4	15	35	90	0	0	182
	Science	ESC106	ESC106 Basic Electronics	3	-	0	4	4	15	ä	ş			
	Compa	ESC107	Programming for Problem Solving Lab	0	0	4	4	2	. 0	0	0	2 05	20 05	8 8
		ESC108	ESC108 Workshop Practices Lab	0	0	4	4	,	0	6	c	5		
	Humanities and Social	HSMC 101	English	2	0	0	2	2	9 9	> 2	> ×	2 0	8 6	8 8
	Sciences	HSMC 102	English Lab	0	0	2	2	<b> </b> -	0	. 0	0	,   %	, ,	8 8
	Mandatory courses	MC-I	Environmental Science	2	0	0	2	0	0	0	0	0	0	0
		TOTAL	78	2	4	2	30	B						902



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Page 2



-						SIII	III SEMESTER	æ						
S.N.	Category	i d	Course Title	<u>ర</u> ీ	itact hour Week	Contact hours per Week	Total	į	É	End Term	End Term Part	Internal	E.	
1				-	T	d	Fourt	-		Ī	2 / VIva- Voce	Practical	Practical	Lotal Marks
	Basic Science	BSC107	Mathematics III	m	-	0	4	4	52	35	90	•	0	061
	course	BSC108	Biology for Engineers	2	0	0	2	2	2	15	35		-	9
		PCC:	Introduction to Solid Mechanics	3	0	0	3	m	10	25	9	0	0	57
		PCC.	Engineering Geology	М	٥	0	6	3	01	25	40	0	0	72
		CE203	Introduction to Fluid Mechanics	3	-	0	4	3	10	35	40	•	•	75
	Professional Core courses	PCC-	Surveying & Geomatics	3	0	٥	4	3	10	22	8	0	1.	75
		PCC-	Fluid Mechanics Lab	0	0	2	2	-	0	0	0	25	22	50
		PCC- CE206	Solid Mechanics Lab	0	0	2	2	-	0		0	25	22	98
		PCC- CE207	Surveying & Geomatics Lab	0	0	7	2	-	0	0	0	1 %	ž	9
	Humanities and Social Sciences including Management courses	501	Organizational Behavior		•	0	•	•	O.	8	8	1 •	3 0	\$7
		TOT	TOTAL	8	7	9	39	24						200







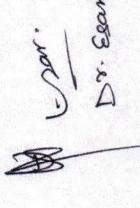








SN	Category	Course	Course Title	ð	Contact hours per Week	urs per	Total	į	F	End Term	End Term Part	Internal	End .	
				12	T	۵.	tion.	-		Parr1	2/Viva-Vace	Practical	Practical	Foral Marks
		PCC- CE208	Materials, Testing & Evaluation	3	0	•	3	3	9	23	40	0	0	275
2		PCC. CE209	Construction Engineering & Management	m	0	0	3	3	10	25	9	0	0	75
6		PCC- CE210	Mechanics of Materials	m	0	0	3	3	10	25	40	0	0	75
	Professional	7 CE2 II	Hydraulic Engineering	3	0	0	3	8	01	25	49	0	0	75
	Core courses	PCC- CE212	Structural Analysis	3	0	0	3	3	01	25	9	0	0	8
او		PCC- CE213	Computer Aided Drawing Lab	0	0	2	2	-	0	0	0	25	25	20
		PCC- CE214	Hydraulic Engineering Lab	0	0	2	2	-	0	0	0	25	23	80
90		PCC- CE215	Materials, Testing & Evaluation Lab	0	0	7	2	-	0	0	0	25	25	50
6	Humanities and Social Sciences including Management	H-102	Universal Human Values 2: Understanding Harmony	-	0	0		•	92	8	99	•	•	ß
		5	TOTAL	82	•	۰	75	3						000







S.N	Category	Course		٥	tact hour Week	Contact hours per Week				End Term	End Term Part	Tell diffe	End	
1		8		-	-	_	Dours	Credits	٤	Part 1	2/Viva-Voce		Term Practical	Total Marks
1		PCC-CE 301	Transportation Engineering	3	0	0	8	3	2	25	40	0	0	2
	Professional	PCC-CE 302	Hydrolgy & Water Resources Engineering	3	0	0	-	3	2	25	40	0	0	75
	Core courses	PCC- CE 303		m	-	0	4	4	53	35	80	0	0	100
		PCC-CE	Environmental Engineering	3	0	0	3	3	02	25	9	0	6	7.5
	Professional	Name and Address of the Owner, where	Elective-I	3	0	0	3	3	10	25	40	0	0	75
1	Elective courses	-	Elective-II	3	0	0	3	3	10	25	9	•	-	2
	Professional	PCC-CE 305	Environmental Engineering Lab	0	0	2	2	-	0	0	0	23	25	20
THE RESERVE OF THE PARTY OF	Core courses	PCC-CE 306	Transportation Engineering Lab	0	0	2	2	-	0	•		25	22	80
	Humanities and Social Sciences including Management courses	HSMC301 (OEL II)	HSMC301 Humanities I (Effective (OEL II) Technical Communication)	2	•	0	2	8	0	2	8	•	•	8
	Project (Summer internship)	PROJ. CE 301	PROJ- CE Minor Project/ Seminar/Summer 301 Internship	0	0	2	2	-	0	•	0	ล	25	20
		101	тотаг	92	-	9	12	77						363



	Category	Course	Course Title	Ö	Contact hours per Week	us per	Total			End Term	End Term Part	Internal	End	
The state of the s		ğ		٦	F	4	hours	-	5	Ī	2/Viva-Voce		Practical	Total Marks
		PCC-CE 307	Disaster Preparedness & Planning Management	6	0	0	•	3	10	25	9	•	•	25
THE RESERVE OF THE PARTY OF THE	Professional Core courses	PCC-CE	Geotechnical Engineering	3	0	0	3	3	0.7	25	40	0	0	25
		PCC-CE 309	Engineering Economy, Estimation & Costing	8	0	0	3	m	2	32	9	0	0	72
	Professional	PEC-CE 306-310	Elective-III	3	0	0	3		9	25	9	0	0	x
	Elective courses	PBC-CE 306-310	Elective-IV	3	0	0	3	6	01	25	40	0	0	2 2
		PCC-CE 310	Geotechnicaal Engineering Lab	0	0	2	2	-	0	0	0	25	25	9
	Core courses	PCC-CE 311	Transportation Engineering Lab-II	0	0	2	2	-	0	0	0	25	22	\$ 5
	Open Elective courses	OBC 301 - 303	Open Elective	-			•	•	2	æ	64	•	•	82
	Mandatory courses	MC-II	Essence of Indian Knowledge Tradition	7	0	-	2	0	0	0	0	-	0	0
	Project	PROJ-CE 302	Project-II( Major Project)	0	0	9	9	8	0	•	0	123	125	250
		2	TOUAL	20	•	3	, a	15						000

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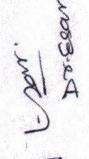
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-						VIIIS	VII SEMESTER	ER						
N. o	Category	Course	Course Title	Con	Contact hours per Week	urs per	Total	į	-	End Term	End Term Part	Internal		
-				-	H	a.	hours			Ē	2/Viva-Voce	Practical	Practical	Total Marks
	Professional	STATE OF THE PARTY OF	PEC. CE401-405 Elective-V	n	•	0	3	E	9	25	40	0	0	27
	Elective courses	The second secon	PEC. CB401-405 Elective-VI	3	0	0	3	3	9	25	\$	0	0	75
	Open	286	Open Elective IV	-	•	0	3	3	2	25	8	6	•	37.
	Elective	380	Open Elective V	n	0	0	3	9	9	83	9	0		2 ×
1	Mandatory	MC-III	MC-III Constitution of India	2	0	•	2	•	0	0		-		
1	Project (Or Summer internship)	PROJ-CE 401	Short Term Training (21-45 Days)/ Project-III	•	0	9	9	F.	0	0	0	0	150	150
		TOTAL	.A.	3	-	-	98	<u> </u>						







Practical
0 500
200
Total Marks 5050
-
0 2

		Chell Cleculae Courses Off
PEC- CE 301 Design of Concrete Structure-1	OEC-301	Soft Skills and Internersonal Communication
PEC. CE 302 Construction Engineering Materials	OFC.303	ICT for Dandloomans
PEC- CE 303 Solid and Hazardous Waste Management	OEC 303	
PEC. CE 304 Rural Water Supply and Onsite Sanitation Systems	OEC 401	numen resource Development and Organizational Behavior
PEC-CE 305 Contracts Management	200 000	cytoer taw and conics
700	OEC-402	Introduction to Philosophical Thoughts
rection of Bridge Engineering	OEC-403	Comparative Study of Literature
PEC-CE 307 Railway Engicering	OEC-404	Indian Music System
PEC- CE 308 Intelligent Transportation Systems	OEC-40S	History of Science & Froinsering
PEC- CE 309 Port and Harbour Engineering	OEC-406	Introduction to Art and Aacthatice
PEC- CE 310 Hydraulic modelling		Charles of the Control of the Contro
PEC- CE 401 Design of Concrete Structure-II		
PEC- CE 402 Foundation Engineering		
PEC- CE 403 Structural Dynamics		
PBC- CE 404 Rock Mechanics		
PEC- CE 405 Traffic Engineering and Management		



## MEWAR UNIVERSITY, CHITTORGARH, RAJASTHAN

## Scheme and Syllabus

For

## B.TECH. (CSE)

DETAILED 4-YEAR CURRICULUM CONTENTS



MEWAR UNIVERSITY, CHITTORGARH, RAJASTHAN

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		COURSE: B. Tech BRANCH: Commuter Science and Engingering	B. Teu	b BRAN	CIII	omnufe	Science	and Eng	incering				
				-	SEMI	SEMESTER							
Category	Course	Course Title	Com	Contact hours per Week	be s	Total	Cradite	47	End Term	End Term End Term Part 2 Internal End Term	Internal	End Term	
•	j		=	F	_ a	hours			Part 1	/ Viva- Voce	Practical	Practical Practical	
	BSC101	Physics	3	-	=	4	4	15	3.5	50	0	=	l gar
Basic	BSC102	Mathematics-1	-	-	0	7	4	15	35	50	0	0	8
Science	BSC103	Chemistry	3	-	0	4	4	15	35	50	0	0	100
course	BSC104	Physics Lab	0	0	2	2	-	0	0	0	25	25	50
	BSC105	Chemistry Lab	0	0	2	2	-	0	0	0	25	25	20
Engineering	$\perp$	Basic Electrical Engineering	3	-	0	4	4	1.5	35	50	0	0	100
Science	_	Engineering Graphies & Design Lab	0	0	4	4	2	0	0	0	50	20	100
8 Courses	ESC103	Basic Electrical Engineering Lab	0	0	2	2	-	0	0	0	25	25	90
		TOTAL	12	7	01	26	21						059

						II SEN	II SEMESTER							
	it each	Course		Cont	Contact hours per Week	rs per	Total		1	End Term	Fnd Term End Term Part 2 Internal End Term	Internal	End Term	
	(megan)	Code	3111 35 11100	ت	-	Ь	contact	Credits	≤	Part 1	/ Viva- Voce	Practical	Practical Practical	Iotal Mark
	Basic Science	BSC106	Mathematics -II	3	-	0	4	4	15	35	950	0	0	100
		ESC104	Programming for Problem Solving	3	-	0	4	4	15	35	50	o	0	100
回	Engineering	ESC105	Engineering Mechanics	3	-	0	4	4	15	35	50	0	0	100
	Science	ESC106	Basic Electronics	3	-	0	4	4	15	35	50	0	0	100
_	Courses	ESC107	Programming for Problem Solving Lab	0	0	4	4	2	0	0	0	50	50	100
		ESC108	Workshop Practices Lab	0	0	4	4	2	0	0	0	50	50	001
五日	Humanities and Social	HSMC 101	English	2	0	0	2	2	10	15	25	0	0	50
S	Sciences	HSMC 102	English Lab	0	0	2	2	=	0	0	0	25	25	50
Z	Mandatory courses	MC-I	Environmental Science	2	0	0	2	0	0	0	0	0	0	0
			TOTAL	91	7	2	30	23						700
			1				The same of the		A Company of the last			The state of the s		

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				Total Marks		001	100	100	50	50	100	100	80	059
				End Term	rracucai	0	0	0	25	25	0	20	25	
				Internal	rracucal	0	0	0	25	25	0	- 50	25	
1	)			<u>@</u>	ana - raik	50	50	50	0	0	50	0	0	
		ring		E		35	35	35	0	0	35	0	0	
	2023-11	COURSE: B.Tech BRANCII: Computer Science and Engineering		ΤA		15	15	15	0	0	15	0	0	
1	RE- (SED SYLLABUS EFFECTIVE FROM 2021-21)	science an		Total confact Credits		4	4	4	-	-	7	2	-	71
MEWAR UNIVERSITY	FFECTIV	omputer §	I SEMESTER	Total	hours	4	4	4	23	2	4	4	2	26
WARL	BUS E	CII: Co	I SEM	ırs per	Ь	0	0	0	2	2	0	4	2	01
M	SYLLA	h BRAN		Contact hours per Week	1		-	-	0	0	-	0	0	4
1	SED	: B.Tec		ပိဳ	1	3	3	3	0	0	3	0	0	12
	RE	COURSE		Course Title		Physics	Mathematics-I	Chemistry	Physics Lab	Chemistry Lab	Basic Electrical Engineering	Engineering Graphics & Design Lab	Basic Electrical Enginecting Lab	TOTAL
				Course	å Cod	BSC101	BSC102	BSC103	BSC104	BSC105	ESC101	ESC102	ESC103	-
	-			Cafegory	Ì		Basic	Science	course		Епріпестив	Science	Courses	
				N.S.	ò	-	2	10	4	15	9 E	-	8	

						II SEI	II SEMESTER								
Catanary	Course	E W. B. L. Sans	Courses Tible	20	Contact hours per Week	ırs per	Total		ř	End Term	End Term Part 2 Internal End Term	Internal	End Term	Total Marks	CALL THE STATE OF
Code	Code		ONLY SELECT	L	1	م	hours			Part 1	/ Viva- Voce	Practical	Practical		
Basic BSC106	BSCI	90	Mathematics -II	3	-	0	4	4	22	35	90	0	0	100	
ESC104	ESCI	10	Programming for Problem Solving	m	-	0	4	4	15	35	95	0	0	100	
Engineering ESC105	ESC	105	Engineering Mechanics	3	1	0	4	4	15	35	50	0	0	100	100
Science ESC106	ESC	901	Basic Electronics	3	_	0	4	4	15	35	50	0	0	001	100
Courses ESC107	CSC	107	Programming for Problem Solving Lab	0	0	4	4	2	0	0	0	20	20	100	
ESC108	ESC	80	Workshop Practices Lab	0	0	4	4	2	0	0	0	50	20	100	
Humanities HSMC and Social 101	HSA 10	ر ا د	English	2	0	0	2	2	01	15	25	0	0	50	
Sciences HSMC including 102	HSN 102	<u>ي</u> .	English Lab	0	0	2	2	1	0	0	0	25	25	50	
Mandatory MC-1 courses	MC	7	Environmental Science	2	0	0	2	0	0	0	0	0	0	0	
		-	ТОТАЦ	91	4	01	30	23						700	
	The same of the sa						The second second	TO SECURE	The state of the s	Carlotte Control of		The state of the s			9

			Ö	ontact h	Contact hours per								
Cod	Course	Course Title	1 -	_	6	contact	r Credits	፭	End Term Part I	End Term Part 2 Internal End Term / Viva- Voce Practical Practical	Internal   Practical	End Term Practical	Total Marks
PCC-	ပုံ ခွ	Data Structure and Algorithms	<u></u>	-	0	4	4	15	35	90	0	0	100
PCC- CS302		Computer Organization and Architecture	<u>n</u>	-	0	4	4	15	35	20	0	0	100
PCC-	ე 8	Computer Network	3	-	0	4	4	15	35	20	0	0	001
PCC- CS304	, z	Digital Electronics	m	-	0	4	4	15	35	50	0	0	100
PCC- CS305	. 5	Data Structure and Algorithms Lab	0	0	2	2	-	0	0	0	25	25	90
PCC- CS306	. 9	Digital Electronics Lab	0	•	2	2	-	0	0	0	25	25	80
BSC107	71	Mathematics-III	m	-	0	4	4	15	35	50	0	0	100
BSC108	90	Biology for Engineers	2	0	0	. 2	2	10	15	25	0	0	20
IISMC201		Organizational Behavior	£	0	0		-	2	23	40	0	0	82
	TOTAL	AL.	20	5	4	29	27				T		





	Category	Course	Course Title	Con	act hour Week	Contact hours per Week	Total			End Term	End Term End Term Part 2 Internal End Term	Internal	Fnd Term	
		češ		T	٠	-	hours	contact Credits	<b>4</b>	Part I	/ Viva- Voce	Practical	Practical Practical	Total Marks
1		PCC-CS 401	Object Oriented Programming	3	-	0	4	77	15	35	50	0	0	001
		PCC-CS 402	Operating System	3	0	0	3	3	15	35	50	0	0	100
		PCC-CS 403	Design and Analysis of Algorithms	3	-	0	4	4	15	35	50	0	0	100
		PCC- CS 404	Web Design and Applications	3	-	0	4	7	15	35	50	0	0	100
- bur	Professional	PCC-CS 405	Discrete Mathematics		-	0	4	4	15	35	50	0	0	100
-	Core courses	PCC-CS	Object Oriented Programming Lab	0	0	7	2	-	0	0	0	23	25	\$0
		PCC-CS 407	Design and Analysis of Algorithms Lab	0	0	2	7	-	0	0	0	25	25	50
		PCC-CS 408	Web Design and Applications Lab	0	0	2	2	-	0	0	0	25	25	20
111111111111111111111111111111111111111		PCC-CS 409	Operating System Windows Core lab/Unix Shell Programming	0	0	-	2	-	0	0	0	25	35	99
- W FA E W	Humanities and Social Sciences including Management	H-102	Universal Human Values 2: Understanding Harmony	-	0	0		n	01	a	\$		0	22
			TOTAL	82	4	-	30	26						217

IV SEMESTER







	Total Marks	100	001	001	7.5	75	50	50	90	50	760
		0	0	0	0	0	25	25	•	25	
Internal End Term	Practical	0	0	0	0	0	25	25	0	25	
End Term End Term Part 2	/ Viva- Voce	50	50	80	40	40	0	0	82	0	
End Term	Part 1	35	35	35	25	25	0	0	SI	0	
	<u> </u>	15	15	15	10	01	0	0	0.	0	
	Credits	4	4	4	3	9	-	-	2	-	3.3
Total	hours	4	4	4	æ	Е	2	2	7	2	3,6
rs per	۵.	0	0	0	0	0	2	2	0	2	,
Contact hours per Week	T	-	0	-	0	0	0	0	0	0	•
Cont		3	4	В	ъ		0	0	2	0	9
Courses Title	20117	Database Management Systems	Automata Theory	Software Engineering	Elective-i	Elective-II	Database Management Systems Lab	Software Engineering Lab	Humanities I (Effective Technical Communication)	Minor Project/ Seminar/Summer Internship	TOTAL
Course	Code	PCC- CS 501	PCC CS 502	PCC CS503	PEC CSEL.504- 508	PEC CSEL 509- 513	PCC CS 514	PCC CS 515	HSMC301 (OEL II)	PROJ- CS 301	
Category			Professional Core courses		Professional	COURSES	Professional	Core courses	Humanities and Social Sciences including Management courses	Project (Summer internship)	
Z,	ó	-	ri	3	77	8	9	7 6		6	







	The second second second							and the same of th	-		The same of the sa			
		Course	Course Title	ਹੈ	Confact hours per	urs per	Total	_		Fnd Term	Fnd Term Part 2			
- 1				-3	-	۵	hours	Credita	<u> </u>	Part 1		Practical	Fractical	Total Marks
	Perfessional	PCC-CS 601	Complet Design	<u> </u>		0	7	4	×	31	ş			
100	Cere courses	PCC- CS 602	Java Programming		-	٥	7		<u> </u>	1 .	2	9	9	100
	Professional	PEC CSEL603-	Elective-III		۰	6			2 S	3 8	6 5	٥ ,	0	00
	Elective	PEC CSEL608-	Elective-IV	-	6	-	, ,	, .	2 9	3 3	<b>?</b>	9	0	87
1	Open Elective	OEC 601-	Open Elective-I	3	•		,   -	٠ .	2 2	q ;	₽ 5	0 ,	0	27
	compes	PCC	Commier Decree 1 sh			, ,	, [	٠	2	G	04	0	0	75
	Core courses		Java Programming Lab	9 0	0	, ,	7 .		0 0	0	0	25	n	20
1	Mandatory	MC-II	Essence of Indian Knowledge Tradeire	) t4	0	, 0	, ",	- 0	0 0	0 0	Φ 6	n c	23 2	80
	Project	PROJ-CS 601	Project-II( Major Project)	0	0	20	œ	7	0	0	, 0	8	9 90	200
			TOTAL	11	2	22	3.	n						;





				(										
	Category	Course	Course Title	<u> </u>	Contact hours per Week	ours per k			ř	End Term	End Term Part 2	Internal	End Term	Internal End Term x
		3000		7		4	hours	hours		Part 1	/ Viva- Voce	Practical	Practical	Iotal Mark
	=	PEC CSEL701- 705	Elective-V	m	0	0	6	3	10	25	40	0	0	27
	COURSES	PEC CSEL706- 710	Elective-VI	m	0	0	3	3	01	25	40	0	0	27
		OEC- 701- 705	Open Elective II	2	0	0	3	3	10	25	40	0	0	7.5
	courses	OEC- 706- 710	Open Elective III	9	0	0	3	3	01	25	40	0	0	7.5
ent US	Mandatory	MC-III	Constitution of India	2	0	0	2	0	0	0	0	0	0	0
1 had Jon 1984	Project (Or Summer internship)	PROJ CS 701	Short Term Training (21-45 Days)/ Project- III	0	0	0	9	6	0	0	0	0	150	150
			TOTAL	4	0	9	20	15						450

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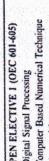






ategon		Course Title	act hou	act hours per Week. Total	ck Tet	at Credit	Project Remort	Internal	Total Condits Project Internal Industry Condits Penert Evaluation Evaluation	Interna End	End	Total Marks
	1		1	-	-  -					Practica	Practica Practical	
Proyect	801-CS	Industrial Internship Project-IV	0	0 20	30	9	10 100	100	300	0	0	800
		TOTAL	0	0 20		01						\$00
				1		168						\$175

Cloud Computing  • Cloud Computing  • Advanced Computer Architecture  • Data Warehousing and Mining  • Mobile Computing  • Script Programming	ELECTIVE 4 (PEC CSEL 608-612)  • Al and Robotics  • Computer Vision  • Software Testing  • Deep Learning  • Big Data
ELECTIVE 2 (PEC CSEL 509-513)  · Internet of Things · Multimedia Technology · Paten Recognition · Information Retrieval · Introduction to Machine Learning	ELECTIVE 5 (PEC CSEL 701-705)  • Computer Network Security and Cryptography  • Software Project Management  • Real Time System  • Natural Language Processing  • Data Analysis
ELECTIVE 3 (PEC CSEL 603-607)  • Computer Graphics & Image Processing  • Software Architecture  • Soft Computing  • Game Theory  • Introduction to Data Science	ELECTIVE 6 (PEC CSEL 706-710)  • Fuzzy Set Theory and Its Application  • Human Computer Interface  • Combinational Optimization  • Distributed System  • Augmented and Virtual Reality



rr Management Relationship & Ethical Human Conduct- For A & Harmonious Society

Chain Technology

LECTIVE 2 (OEC- 701-705) Sensing and GIS

Values in Madhyasth Darshan in Research

LECTIVE 3 (OEC- 706-710) al Analysis and Optimization Technique

Marketing
ig and Simulation
led System
ck Technology







			COURSE	REVISE B. Fech	BRANC	H. Ele	EFFEC fronics a	TIVE FRC	REVISED SYLLABUS EFFECTIVE FROM 2021-22 COURSE: B. Tech BRANCH: Electronics and Communication Engineering	ginecring				
1	STATE OF STA	-		-	-	2	SEMESIER	<b>K</b>	Contraction and Association an	-				
S.No.	Category	Course Code	Course Title	Ö	Contact hours per Week	ırs per	Total	Credits	1	End Term	<u> </u>	Internal	End Term	Total Marks
				3	-	۵	hours				/ VIVA- VOCE	FTREIICA	rracucai Practicai	
П		BSC101	Physics	3	-	0	4	4	15	35	50	0	0	100
	Basic	BSC102	Mathematics -1	3	-	0	¥	*	15	33.	80	0	0	100
	Science	BSC103	Chemistry	3		0	+	*	15	35	98	0	0	100
T	course	BSC104	Physics Lab	0	0	2	2	-	0	0	0	25	25	50
w.		BSC105	Chemistry Lab	0	0	2	2		0	0	0	25	25	30
		ESCIO	Basic Electrical Engineering	m	-	0	*	4	15	35	95	0	0	100
	Science	ESC102	Engineering Graphics & Design Lab	0	0	•	•	2	0	0	0	8	8	901
		ESC103	Basic Electrical Engineering Lab	0	0	23	2	-	0	0	0	25	25	90
		TOTAL		2	•	9	×	77						989







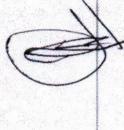


Catesony	Course Code	S. C.	Š	Contact hours per Week	ars per	Total	į	1	End Term	End Term Part 2	Internal	Internal End Term	
			ı.	٠	•	hours		1	Ē	/ Viva- Voce	Practical	Practical Practical	
Basic Science course	BSC106	Mathematics 11	3	-	0	•	•	15	35	95	0	•	100
	ESCION	Programming for Problem Solving	m	-	0	4	4	15	35	S	0	0	100
Engineering	ESC105	Engineering Mechanics	3	-	0	+	+	15	35	98	0	0	100
Science	ESC106	Basic Electronics	m	-	0	77	4	15	35	90	0	0	100
Courses	ESC107	Programming for Problem Solving	0	Q	**	•	2	0	0	0	Ŗ	20	100
	ESC.108	Workshop Practices Lab	0	0	-	4	2	0	0	0	98	99	100
and Social	HSMC 101	English	2	0	0	7	2	9	15	23	0	0	8
including	HSMC 102	English Lab	0	0	7	2	-	0	0	0	22	23	80
Mandatory courses	MC-I	Environmental Science	61	0	0	7	0	0	0	0	0	0	0
	TOTAL	_	91	•	9	8	ឧ						790















	Catronico	8	į	ð	Contact hours per Week	ž.	Total	1	7.4	End Term	End Term Part 2 Internal End Term	Internal	End Term	
				ت	-	۵.	Pours			T.	/Viva- Voce	Practical	Practical Practical	
1	Basic Science	BSC107	Mathematics III (PDE: Probability & Statistics)	m	-	0	4	-	82	35	88	0	0	001
	- comos	BSC108	Biology for Engineers	2	0	0	2	7	10	15	25	0	0	\$0
		EC301	Electronic Devices ~~	3	_	0	*	4	15	35	80	0	0	100
		EC302	Digital System Design	3		0	7	4	15	35	20	0	0	001
-	Professional	EC303	Data Structure and Algorithm	6	-	0	4	7	15	35	80	0	٥	100
V	Core courses	BC304	Network Theory	*	-	0		+	15	35	- 50	0	٥	891
		EC305	Electronic Devices Lab	0	0	7	2		0	0	0	35	ş	80
1		EC306	Digital System Design Lab.	0	0	2	2	-	0	0	0	35	\$	95
- 2	Humanities and Social Sciences including Management courses	HSMC201	Organizational	м	•	0	-	•		8		0	•	ε
		TOTAL		92	\$	+	29	27						725

III SEMESTER



***				
80	20	A TO	8	Contract
25	25	25	Ŋ	٠





					IV S	IV SEMESTER	ĸ						
Category	Course Code		8	Contact hours per Week	ra per	Total	Total	1,4	End Term	End Term Part 2 Internal End Term	Internal	Ead Term	
			-	-	•	hours			Part I	/ Viva- Voce	Practical	Practical Practical	LOSAL MARTES
	EC401	Analog and Digital Communication	~	-	0	4	4	22	35	\$0	0	0	100
	EC402	Analog Circuits		-	0	*	**	15	35	50	0	0	100
	EC403	Microcontrollers	m	-	0	*7	7	15	35	99	0	0	100
	EC404	Signals and Systems	m	1	0	**	*	15	35	05	0	0	1(8)
Professional	EC405	Electronic Measurement and Instrumentation	m	-	0	4	**	15	35	8	0	0	901
	EC404	Analog and Digital Communication Lab	0	0	eı	7	-	0	0	0	25	35	90
	EC403	Analog Circuits Lab	0	0	2	53	-	0	0	0	25	25	50
	EC406	Microcontrollers Lab	0	0	C	e	-	0	0	0	25	25	80
	EC407	Electronic Measurement and Instrumentation Lab	٥	0	rı	7	-	0	0	0	23	x	80
lumanities and ocial Sciences including	H-102	Universal Human Values 2: Understanding Harmony		•	•	•		91	ສ	<b>Q</b>	0	•	22
	TOTAL		90	•	90	E	n						77.5

9

S.Ne.

THE STATE OF THE S

End Term Part 2 Internal End Term Total Marks / Viva- Voce Practical Practical 00 00 00 00 EV EV 8 20 909 25 33 0 0 25 0 0 3 8880 8 8 8 0 End Term Part 1 \* \* \* 0 SIS \* 0 1 2 2 2 2 9 0 Total contact Credits hours \* -= VSEMESTER \* Z ev Contact hours per Week 0 0 20 0 0 \* N 0 0 0 0 0 M 0 -\* 0 90 r-t 0 Computer Architecture Digital Signal Processing Lab ~ Electromagnetic Waves Digital Signal Processing Course Title **Ekctive-I** Elective-II TOTAL Course Code PROJ-ECE 501 BCS01 BCS02 BCS03 BCB151 HSMC301 (OEC II) ECEL 522 Professional Core courses Management Category Professional Humanities Project (Summer internship) Sciences and Social Elective courses S.No. 0 00





						VIS	VI SEMESTER	×						
S.Ne.	Category	Course Code	Course Tide	Ö	Contact hours per Week	ns per	Total	į		End Term	End Term Part 2 Internal End Term	Internal		
				٦	-	4	hours	-	•	Ī	/ Viva- Voce	Practical	Practical Practical	Lotal Marks
	Professional	EC601	Control System	~	0	0	3	F	01	3.5	0#	o	0	36
C+	Core courses	EC602	Computer Network	0	0	2	2	-	0	0	0	36	36	9
3	Professional	ECEL621	Flective-III	3	0	0	3	6	02	25	40	9	0	37
+	Elective	ECEL622	Elective-IV	3	0	0	3	3	10	25	40	-		36
8	Open Elective courses -	ECOEC-601	Open Elective-I	m	0	٥	m	m	01	25	g g	0		75
9	Mandatory courses	MC-II	Essence of Indian Knowledge: Tradition	М	0	0	2	0	0	•	•	•	•	0
7	Project	PROJ-EC 601	Project-II(Mape Project)	0	0	01	0.	\$	0	0	0	521	123	250
		TOTAL		Ξ	•	2	36	89						009







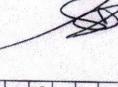
SNo	Steeded	of Course	Ě	<u>త్</u>	Contact bours per Week	na per	Total		•	End Term	End Term Part 2 Internal End Term	Internal		
				٦	-	۵.	hours			Part I	/ Viva- Voce	Practical	Practical Practical	
-	Professional	ECEL721	Elective-V	6	0	0	3	3	10	25	40	0	°	7.8
-	Elective	ECEL712	Elective-VI	6	0	0	m	ec	10	25	40	0	0	75
-	Open	ECOEC- 602	Open Elective II	М	0	0	es	crs.	9	23	97	0	0	75
-	Courses	ECOEC. 603	Open Elective III	m	0	0	-	6	91	25	69	0	۰	75
-	Mandatory	MC-III	Constitution of India	C	0	0	2	0	0	0	0	0	0	0
-	Project (Or Summer internship)	PROJ. EC 701	Short Term Training (21-45 Dins) Project-UI	0	0	9	٠	м	0	0	0	0	120	150
		TOTAL		3	•	۰	я	53						83







						VIII SEMESTER	HESTE	~						
S.No.	S.No. Category	Course Code	Course Title	Ö	Contact bours per Total Week contact	1 8 ·	otal	Total contact Credits	Project Report	Internal Evaluation	Industry	Internal	Internal End Term Practical Practical	Total Marks
				-	1		2							
-	Project	PPCALECTE 403	Industrial Internship Project 17	0	0	30	8	٥	100	991	300	0	0	500
		TOTAL	-	•	•	8		2						200
							Н	5						2000



Open Elective-

Renewable Energy Internet of Things

ECOEC601

Energy Efficiency and Audit

Professional Open Elective

Cutegory

Course Name

Course Code

Sr. No.

Course Name	Power Electronics	Embedded System	Bio-Medical Electronics	Linear Integrated Circuit	Fiber Optic Communications	Microwave Theory and Techniques	Introduction to MEMS	VLSI Devices and Design	Digital Design using VHDL	Mobile Communication and Networks	Digital Image . Processing	Satellite Communications
Course Code		T CENT			100000000			7,000		ECEL721		
Category	Professional	Elective-I	Professional	Elective-II	Professional	Elective-III	Professional	Elective-IV		Elective-V	Professional	Elective-VI
					Professio	nal	Courses					
Sr. No.	1	2	8	4	S	9	7	80	6	01	п	n
			-									





ECOECC602 Rebotics Open ElectiveECOECC603 Artificial Intelligence III
Introduction to F.governance

			REVISE	SE: B.	LABU fech BI	US EFFECTI BRANCH: Elec	LLABUS EFFECTIVE F Tech BRANCH: Electrics	REVISED SYLLABUS EFFECTIVE FROM 2021-22 COURSE: B.Tech BRANCH: Electrical Engineering 1 SEMPESTER	2021-22 neering					
						-								
1 ,	Category	Course Code	Course Title	Conta	Contact hours per Week		Total	Total contact Credits	ΤĀ	End Term Part 1	End Term End Term Part 2 Internal End Term Part 1 / Viva- Voce Practical Practical	Internal Practical	Internal End Term Practical Practical	Total Marks
				ı	1	a	hours							
				1	1				1	35	05	0	0	001
1		BSC101	Physics	m	_	0	4	4	13	33	200	1	0	100
2	Basin	RSC102	Mathematics-1	3	-	0	4	4	15	35	50			001
2	Science	BSC103	Chemistry	3	-	0	4	4	15	35	20	0		3
03	course	BSC104	Physics Lab	0	0	2	2	-	0	0	0	25	52	200
	1	BSC105	Chemistry Lab	0	0	2	7	-	0	0	0	25	2	00
180	Engineering	ESC101	Basic Electrical Engineering	3	-	0	4	4	15	35	20		0 3	201
Sc	Science	ESC102	Engineering Graphics & Design Lab	0	0	4	4	2	0	0	0	20	20	201
ပိ	Courses	ESC103	Basic Electrical Engineering Lab	0	0	2	2	-	0	0	0	23	25	25
		μ	TOTAL	112	4	91	56	21		_				650



<

						II SEN	II SEMESTER							
S.N	Category	Course Code	Course Title	Con	Contact hours per Week	ırs per	Total	Local	TA	End Term	6	Internal		Total Marks
o o				د	F	ď	hours			Part 1	/ Viva- Voce	Practical	Practical	
-	Science	BSC106	Mathematics –II	е.	-	0	4	4	1.5	35	20	0	0	100
7		ESC104	Programming for Problem Solving	3	-	0	4	4	15	35	50	0	0	001
m	Frommering	ESC105	Engineering Mechanics	3	-	0	4	4	15	35	50	0	0	100
_	Science	ESC106	Basic Electronics	3	-	0	4	4	15	35	50	0	0	100
	Courses	ESC107	Programming for Problem Solving Lab	0	0	4	4	2	0	0	0	90	50	100
9		ESC108	Workshop Practices Lab	0	0	4	4	2	0	0	0	20	20	100
-	and Social	HSMC 101	English	7	0	0	2	2	10	15	25	0	0	50
	including	HSMC 102	English Lab	0	0	7	2	-	0	0	0	25	25	50
	Mandatory courses	MC-1	Environmental Science	2	0	0	7	0	0	0	0	0	0	0
		TOTAL	-	91	4	10	30	23						700









	Total Marks		901	50	8	8	801	001	20	90	75	227	
	-		0	0	0	0	0	0	25	25	0		
	Internal		0	0	0	0	0	0	25	23	0		
	End Term Part 2 Internal End Term		20	25	80	50	20	50	0	0	04		
	E		35	15	35	35	35	35	0	0	8		
I	ΤĀ		15	10	15	15	15	15	0	0	2		
	Credits		4	2	4	4	4	4	-	-	m	72	
Ī	Total		4	2	4	4	4	4	2	2	æ	29	
1	s per	Ь	0	C	0	0	0	0	2	2	•	4	
	Contact hours per Week	F	-	c	-	-	-	-	0	0	0	5	
	Conta	1	6	c	1 6	3	3		0	0	m m	20	
	Course Tille		Mathematics-III	Riology for Engineers	Electrical Machines - I	Analog Electronics	Electrical Circuit	Generation of Electrical Power	Electrical Machines Laboratory - I	Analog Electronics & Electrical Circuit Laboratory	Organizational Behavior	TOTAL	
	CourseCode		BSC107	BSC108	PCC-EE201	PCC-EE202	PCC-FE203	PCC-EE204	PCC-EE205	PCC-EE206	HSMC201	OT	
		( and a	Basic	course				Professional	Core courses		Humanities and Social Sciences including Management courses		
	Z.S	ó	-	7	4 10	1-	4	9	1	90	٥		



Deepale Kymar Joshi)





Category         Course Code         Course Title         Area         Credits         Total Ports         Total 				D			IV SE	IV SEMESTER				D			
Proc. EE				Country	3	itact ho Weel	urs per				End Term	End Term Part 2	Internal	End Term Practical	Total Marks
ProcEE   Electrical Machines -1  3   1   0   4   4   15   35   50   0   0		0.			1	1	4	hours			Part I	/ VIva- Voce	rracincai		
Processional Processional Page   Processional Processio	- ment		PCC- EE 207	Digital Electronics	E	-	0	4	4	15	35	98	0	0	100
PCC-EE   Electrical Measurement & measuring   3   1   0   4   4   15   35   50   0   0	N		PCC- EE 208	Electrical Machines II	Е	-	0	4	4	15	35	95	0	0	100
FCC-EE Signal & System 3 1 0 4 4 15 35 50 0 0 0 0 PCC-EE Signal & System 3 1 0 0 4 4 15 35 50 0 0 0 PCC-EE Signal & System 3 1 0 0 4 4 15 35 50 0 0 0 PCC-EE Digital Electronics Lab-11 0 0 0 2 2 1 0 0 0 0 0 0 25 25 PCC-EE Electrical Machines Lab-11 0 0 0 2 2 2 1 0 0 0 0 0 0 0 0 0 0 0 PCC-EE Electrical Machines Lab-11 0 0 0 2 2 2 1 0 0 0 0 0 0 0 0 0 0 0 PCC-EE PCC-E	-		PCC- EE 209	Electrical Measurement & measuring Instrument		-	0	4	4	15	35	50	0	0	100
PCC-EE   Signal & System   3   1   0   4   4   15   35   50   0   0   0	4	Professiona		Electromagnetic Field Theory	9	-	0	4	4	15	35	90	0	0	100
PCC-EE         Digital Electronics Lab-II         0         0         2         2         1         0         0         25         2         1         0         0         25         2         1         0         0         0         2         2         1         0	8	Core course		Signal & System	ю	_	0	4	4	15	35	50	0	0	100
PCC-EE         Electrical Machines Lab-II         0         4         4         2         0         0         0         50         50           213         PCC-EE         Electrical Measurement & measuring Instrument Lab         0         0         2         2         1         0         0         25         25           H-102         Universal Human Values 2: Understanding Harmony         3         0         3         3         10         25         40         0         0           TOTAL         18         5         8         31         27         7         6         0			PCC- EE 212	Digital Electronics Lab	0	0	2	2	-	0	.0	0	25	25	20
PCC-EE         Electrical Measurement & measuring         0         0         2         2         1         0         0         25         28         25           214         Instrument Lab         Instrument Lab         3         3         10         3         3         40         0			PCC-EE 213	Electrical Machines Lab- II	0	0	4	4	2	0	0	0	20	20	001
H-102 Universal Human Values 2:  Universal Human Values 3:  Universal Human Values 4:  Universal Human Values 4:  Universal Human Values 5:  Universal Human Values 4:  Universal Human	-		PCC- EE 214	Electrical Measurement & measuring Instrument Lab		0	2	2	-	0	0	0	25	25	20
TOTAL 18 5 8 31 27	_ ~	Humanities and Social Sciences including	H-102		в	0	0	e.	r.	01	82	40	0	0	\$7
			TOT	νΓ	18	8	8	31	27						<i>STT</i>

Deepak Kumas Joshi





		į		Conta	Contact hours per Week		to be the second of sinks		ı	End Term	End Term   End Term Part 2	Internal	End Term	
)	i e de la companya de	No. of the second	aller akunon	٦	F	4	hours	Credits	۷.	Part I	/ Viva- Voce	Practical	Practical	
1		PCC- EE 301	Control Systems	3	-	0	4	4	15	35	80	0	0	82
2 5	Professional Core courses	PCC EE 302	Microprocessors	4	0	0	4	4	15	35	20	0	0	901
		PCC EE 303	Power System-I (Apparatus and Modelling)	ю	-	0	4	4	15	35	20	0	0	8
5 7	Professional Flective	PEC FFI 301	Elective-I	3	0	0	3	3	01	25	40	0	0	27
10	controcs	-305	Elective-II	3	0	0	m	3	10	25	40	0	0	75
0 0	Professional Core courses	PCC EE 304	Power & Control Systems Lab	0	0	2	7	-	0	0	0	25	25	20
Sc an Co	Humanities and Social Sciences including Management courses	HSMC301 (OEL II)	Humanities I (Effective Technical Communication)	2	0	0	2	2	- 0	15	23	0	o	05
S P	Project (Summer internship)	PROJ- EE 301	Minor Project/ Seminar/Summer Internship	0	0	73	2	-	0	0	0	25	22	90
		TOTAL	PΑ	18	7	4	24	22						009

V SEMESTER









					•	71 SEM	VI SEMESTER							
-				Comt	Contact hours per Week	rs per	Total	Credits	17	End Term	End Term End Term Part 2 Internal End Term	Internal Practical	Internal End Term Practical Practical	Total Marks
Z 6	Category	Course Code	Course little	ے	1	2	hours				!			
		PCC- EE	Power Electronics	3	0	0		n	2	25	40	0	0	75
	Professional Core courses	PCC-EE	Power Electronics Lab	0	0	2	2	-	0	0	0	25	25	20
		306							1	30	90	0	0	75
-	Professional	PEC	Elective-III	m	0	0	3	3	0	q	3			
	Elective	EEL306-	Elective-IV	2	0	0	3	3	10	25	40	0	0	2
	compas												<	7,5
	Open Elective	OEC 301-303	Open Elective-I	т	0	0	£	3	01	22	40	0	•	2
	courses			100					c	-	0	0	0	0
	Mandatory	MC-II	Essence of Indian Knowledge Tradition	2	0	0	2	0	2					
	contracs	Day 55 303	Project-Ilf Major Project)	0	0	10	9	S	0	0	0	125	125	250
	Project	PROJ-EE 302	, Consider manager	5.20										999
1		Itmom		14	0	12	56	18						}



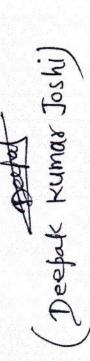


(Deepak Kymar Jushi)

100		3	Course	Conta	Contact hours per Week		Total	Credits	7.4	End Term	End Term Part 2 Internal End Term	Internal Practical	Internal End Term Practical Practical	Total Marks
	Calegory.	Course coue		٦	۲	۵	hours							
	Professional	PEC	Elective-V	3	0	0	3	3	01	25	40	0	0	75
	Elective	EEL401-409	Elective-VI	9	0	0	3	3	10	25	40	0	0	7.5
	Open	OEC 401-403	Open Elective II	8	0	0	3	3	01	25	40	0	0	75
	Elective	OEC 404-406	Open Elective III	В	0	0	3	3	01	25	40	0	0	7.5
	Mandatory	MC-III	Constitution of India	2	0	0	2	0	0	0	0	0	0	0
	Project (Or Summer internship)	PROJ EE 401	Short Term Training (21-45 Days)/ Project-III	0	0	9	9	3	0	0	0	0	150	150
		TO	тотаг	7	0	9	20	15						450







				)	•	VIII SE	VIII SEMESTER							
	Calegory	Course Code	Course Title	- B	veck	urs per	Contact hours per Total Week contact	Credits	Project Report	Total Project Internal Contact Credits Report Evaluation	Industry	Internal Practical	Internal End Term Total Marks Practical Practical	Total Mar
				=	Т	Ь	SINON							
1	Project	PROJ-EE 402	PROJ-1T. 402 Industrial Internship/Project-TV	0	0	20	20	01	100	001	300	0	0	200
		TOTAL	'AL	0	0	20		10						800
1								163						2000

## Professional Elective courses (19)

Wind and Solar Energy Systems PEC EEL 301

Line-Commutated and Active PWM PEC EEL 302

Rectifiers

Electrical Drives PEC EEL 303

OEC 303 Human Resource Development and Organizational Behavior

OEC 402 Introduction to Philosophical Thoughts

OEC 401 Cyber Law and Ethics

OEC 403 Comparative Study of Literature

OEC 404 Indian Music System

OEC 406 Introduction to Art and Aesthetics OEC 405 History of Science & Engineering

OEC 301 Soft Skills and Interpersonal Communication

OEC 302 ICT for Development

Open Elective Courses (9)

Electrical and Hybrid Vehicles PEC EEL 304 PEC EEL 305

Electrical Machine Design Power System-II PEC EEL 306

Power System Protection PEC EEL 307

**HVDC Transmission Systems** PEC EEL 308

Power Quality and FACTS PEC EEL 309

PEC EEL 310 High Voltage Engineering

PEC EEL 401 Industrial Electrical Systems

PEC EEL 402 Power System Dynamics and Control

PEC EEL 403 Digital Control Systems

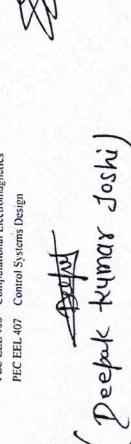
Computer Architecture PEC EEL 404

PEC EEL 406 Computational Electromagnetics Electromagnetic waves PEC EEL 405



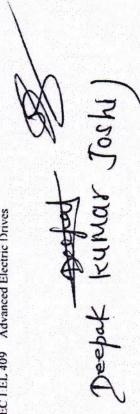






Electrical Energy Conservation and Auditing PEC | EL 408

PEC I EL 409 Advanced Electric Drives





		NO CHAIRTE	ATTACK	AND DIAG	The Court	CED CULTABILE DEFECTIVE						
1			YLLA	SUS ER	יוברוו	V E.			(DDD)			
-		COURSE BRANC		SEMESTER	ectrical	& Electi	ISKANCH: B. Fech Electrical & Electronics Engineering LEED.  1 SEMESTER	Illeria	resist at			
Sr.			Comt	Contact hours	Subject	ct	End Term	-	End Term Part 2/	Internal	End Term	Total
No.	Course Code	Course Title	Pe	per Week	-	it TA	Part 1	_	Viva- Voce	Practical	Practical	Marks
1			_	T								2
-	BS-101	Engineering Physics-1	3	-	4	15	35		50			3
2 E	BS-103	Engineering Mathematics-1	3	-	4	15	35		50			00
3 E	BS-105	Engineering Chemistry	3	-	4	15	35		50			8
4 E	ES-101	Engineering Graphics & Drawing	ŀ	4	2	20	30		50			8
5 E	ES-103	Fundamentals of Computers and Programming	3	-	4	15			50			100
6 E	ES-105	Basics of Electrical Engineering/ Basics of Electronics Engineering	3	-	4	15	35		50			100
7 E	BS-107	Physics Lab-f		. 2	-					25	25	20
8 E	BS-109	Chemistry Lab	-	- 2	-					25	25	50
9 E	ES-107	Computer Lab	ŀ	- 2	-					25	25	20
-	10 ES-109	Electrical/ Electronics Engineering Lab	-	- 2	-					25	25	20
=		Workshop Practice-I		- 2	-					25	25	20
12 E	ELGA-101	English Language and General Awareness-I	-		-	•	,		25			3.5
		TOTAL			28							875
								· · · · · · · · · · · · · · · · · · ·				
			115	II SEMESTER	<b>ER</b>							
Sr.	Course Code	Course Title	Cont	Contact hours per Week	Subject	TA TA	End Term Part 1		End Term Part 2 / Viva- Voce	Internal Practical	End Term Practical	Total Marks
-			T	TP								
	BS-102	Engineering Physics-II	3	-	4	15	35		50			001
2 E	BS-104	Engineering Mathematics-II	3	-	4	15	35		50			100
-	ES-102	Introduction to Environmental Sciences	3	1	4	15	35		50			100
4 E	ES-106	Basics of Electronics Engineering/Basics of Electrical Engineering	3	-	4	15	35		50			100
5 E	ES-108	Basics of Mechanical Engineering		-	4	15	35		20			100
6 B	BS-108	Physics Lab-II		. 2	-	01				15	25	50
7 E	ES-110	Electronics / Electrical Engineering Lab		- 2	-	10				15	25	20
8 E	ES-112	Workshop Practice-II	•	- 2	-	01				15	25	20
9 E	ES-114 (	CAD Lab		- 4	2	20				30	20	100
10	HS-102	Language Lab		- 2	-	01				15	25	50
-	ELGA-102	age a	-	*	-	•	•		25			25
		TOTAL			27							825





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Course Code         Course Title         Core of the control of the co	Course Code   Course Title				III SEN	III SEMESTER				Pad Torm Part 2/	Internal	End Term	Total
Course Code         Course Code         Der Week         Credit         TA         1 1 Pmode         Code         TA         Code         TA         Code         TA         Code         TA         Code         TA         Code         Code <th>Course Code         Course Title         per Week         Credit         1A         1 15         35         30         1         Per Week         Central Machines         1         1 15         35         30         1         Per BE 201         Central Machines         1         4 15         35         30         1         Per BE 201         Central Machines         1         4 15         35         30         1         3         35         30         30         1         2         1         4 15         35         30         30         30         1         2         1         4 15         35         30         30         30         30         1         4 15         35         30</th> <th>T</th> <th></th> <th></th> <th>Contact</th> <th>hours</th> <th>Subject</th> <th>-</th> <th>End Jerm</th> <th>Viva- Voce</th> <th>Practical</th> <th>Practical</th> <th>Marks</th>	Course Code         Course Title         per Week         Credit         1A         1 15         35         30         1         Per Week         Central Machines         1         1 15         35         30         1         Per BE 201         Central Machines         1         4 15         35         30         1         Per BE 201         Central Machines         1         4 15         35         30         1         3         35         30         30         1         2         1         4 15         35         30         30         30         1         2         1         4 15         35         30         30         30         30         1         4 15         35         30	T			Contact	hours	Subject	-	End Jerm	Viva- Voce	Practical	Practical	Marks
EIEE-201   Electrical Machines-1   2   1   6   4   15   35   550   500	EBE-201   Electrical Mechinests and Measuring Introments   1	Sr.	Course Code	Course Title	per W	eek	Credit	TA	Laki				
EEE-201	EBE-201   Electrical Methorine and Metauring Instituted:	o	Course cour		LT	4			36	05			8
EEE_203   Circuits and Measuring Instruments and Correct and C	EBE-201   Circuita industricity   4   15   15   15   15   15   15   15			Classical Markinge.	3 1		4	13	33	9			8
EEE_2015   Current Stand Average and Course Title   FEE_2025   Electrol Macaument and Measuring Instruments and Measuring Measurement and Cognizational Behavior	Heart   Hear		EEE-201	Ciculta Marines	3 1		4	15	35	3 5			100
EEE-201         Electrical Macterineria non Augmentation and Control Belavitor and Institute and Instrumentation Lab.         4	EEE-202   Electrical Measurements and Academic Research Section (Courset Indian South Section 2)   EEE-202   EEE-203   Electrical Measurements and Control Courset Indian South Section 2)   A		EEE-203	Circuits and iverworks	7		4	15	35	20			8
Provise Course Course Course State   Parameteristic and Detarbution and State   Parameteristic and State   Parameteristic and Management and Organizational Behavior   3   1   4   15   35   50   25   25   25   25   25   25   2	Particular   Provided Caractarian, Operation and Course   2   1   4   15   35   50   50   51   51   51   51   51   5		EEE-205	Electrical Measurements and Measuring insuminend	1		4	15	35	50			93
EEE-207   Electrical Machine Lab-1   ELEC-207   Electrical Machine Lab-1   2 1 1   2 2 1   2 2 2 2 2 2 2 2 2 2	EEE_202   Electrical Machiners and International Behavior   2   1   4   15   35   35   25   25   25   25   25   2		EEE-207	Power Generation, Operation and Control			-	15	35	50			3 8
HS-201   Escentials of Management and Organizational Behavior   S   1   2   4   15   15   15   15   15   15   15	Execution (Dispersion and Optanizational Behavior 1   2   1   2   1   2   2   2   2   2		EEE-209	Electronic Devices and Circuits	3			31	35	20			3
EEE-217   Electrical Machine Lab-1   2   1   2   1   2   2   2   2   2	EEE-204   EEE-204   EEE-204   EEE-204   EEE-205   EEE-205   EEE-205   EEE-205   EEE-206   Signal and Systems Lab		HS-201	Essentials of Management and Organizational Behavior		,	+				25	25	8
EEE-213   EEE-214   EEE-220   EEE-2204   EEE-2206   E	EEE-213   Exercised Circuit Newcy Lab   2   1   29   25   25   25   25   25   25   25		EFE-211	Electrical Machine Lab-I		7	-				25	25	20
EEE-217   EICA-201   EICA-201   EICA-202   EICA-202   EICA-203	EEE-202   Electrical Machine Lab		FFE-213	Electrical Circuit Theory Lab		2	-				25	25	20
EEE-217         Electronics Dovices Lab         1         2         1         29         25         1         1         7         1         1         29         1         29         1         29         1         1         1         1         1         29         1         29         1         29         1         29         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2	EEE-217   Electronics Devices Lab		EEE-215	Measurements and Instrumentation Lab		2	-				25	25	50
ELE-204   Engish Language and General Awareness-III   1   1   1   1   1   1   1   1   1	ELECAN-201   English Language and General Awareness-III   1   1   29   1   1   1   1   29   1   1   1   29   29		EEE-217	Electronics Devices Lab		2	-			35			23
TOTAL   TOTA	TOTAL   TOTA		ELGA-201	English Language and General Awareness-III	-		-						825
Course Code         Course Code         Course Title         Contact Name         Credit         TA         Part 1         Viva-Voce         Practical         Practical           EEE-202         Electrical Machine-II         Conres Title         L         T         P         4         15         35         50         Practical           EEE-204         Transmission and Distribution         3         1         4         15         35         50         Sp         50           EEE-204         Transmission and Distribution         3         1         4         15         35         50         Sp         50           EEE-208         Digital Circuits         Digital Circuits         3         1         4         15         35         50         Sp         50         Sp         15         15         35         50         Sp         15         15         35         15         15         35         15	The course Code   Course Title	7		TOTAL			29						
Course Code         Contact hourse Title         Contact hourse Code         Subject         Tat 1         Find Term Part 2 / Internal End Term Part 3 / Internal End Term Part 4 / Internal End Term Part 5 / Internal End Ter	Course Code         Course Title         Credit         TA         Part I         Viva. Voce         Practical         Practical           EEE-204         Tansensission and Distribution         4         1         4         15         35         50         Faractical           EEE-206         Signal and Systems         3         1         4         15         35         50         Faractical           EEE-208         Signal and Systems         3         1         4         15         35         50         Cantrol Course Title           EEE-208         Signal and Systems         3         1         4         15         35         50         Cantrol Course Title           EEE-208         Eigenfried Machines Lab -II         3         1         4         15         35         50         Cantrol Systems           EEE-216         Digital Circuit Lab         1         4         15         35         25         25           EEE-218         Control Systems Lab         1         2         1         2         1         2         2         2         2						1						
Course Code         Contact hourse Title         Der Week Credit         TA         Part I         Viva- Voce         Practical P	Course Code         Course Code         Course Title         Contact hours Subject         TA         Part 1         Viva. Voce         Practical Prac				IV SEN	<b>TESTER</b>				1	L	Fnd Term	Tota
EEE-202         Electrical Machine-II         L         T         P         4         15         35         50         P           EEE-204         Transmission and Distribution         4         1         4         15         35         50         P           EEE-204         Transmission and Distribution         3         1         4         15         35         50         P           EEE-204         Signal and Systems         3         1         4         15         35         50         P           EEE-208         Digital Circuits         Control Systems         3         1         4         15         35         50         P           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         P           EEE-210         Control Systems Lab         2         1         4         15         35         50         P           EEE-214         Signal and Systems Lab         2         1         2         1         2         1         2         2         2         2         2         2         2         2         2         2         2         2         2	EEE-204   Transmission and Distribution   1   1   4   15   35   50   50   50   50   50   50   5	4	0	Caures Title	Contact ner W	hours eek	Subject Credit	TA	End Term Part 1	Viva- Voce		Practical	Mark
EEE-202         ElectricalMachine-II         4         4         15         35         50         6           EEE-204         Transmission and Distribution         4         4         15         35         50         6           EEE-204         Iransmission and Distribution         3         1         4         15         35         50         6           EEE-206         Signal and Systems         3         1         4         15         35         50         6           EEE-210         Control Systems         3         1         4         15         35         50         6         6           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         6         6         55         25         15         1         4         15         35         30         1         4         15         35         30         1         4         15         35         35         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1	EEE-202         Electrical Machine-II         3         1         4         15         35         50           EEE-204         Transmission and Distribution         3         1         4         15         35         50           EEE-204         Signal and Systems         3         1         4         15         35         50           EEE-208         Signal and Systems         3         1         4         15         35         50           EEE-210         Control Systems Lab         2         1         4         15         35         50           EEE-212         Electrical Machines Lab-II         2         1         4         15         35         50           EEE-214         Signal and Systems Lab         2         1         2         1         25         25           EEE-218         Control Systems Lab         2         1         2         1         25         25           EEE-218         Control Systems Lab         2         1         2         1         2         2         2           EEE-218         Control Systems Lab         1         2         1         2         2         2         2         2	0	Course Code	CONTRACTOR OF THE CONTRACTOR O		Ь							
EEE-204         Transmission and Distribution         4         4         4         15         35         50         8           EEE-204         Transmission and Distribution         3         1         4         15         35         50         8           EEE-206         Signal and Systems         3         1         4         15         35         50         8           EEE-210         Control/Systems         Control/Systems Lab-III         2         1         4         15         35         50         8           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         8         50         8           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         8         25         25         EEE-214         15         35         25         25         25         EEE-214         15         35         35         25         25         25         EEE-214         15         35         35         25         25         25         25         25         25         25         25         25         25         25 <t< td=""><td>  EEE-206   Signal and Systems   4   15   35   50                                  </td><td></td><td>CEE 200</td><td></td><td>+</td><td></td><td>4</td><td>15</td><td>35</td><td>50</td><td></td><td></td><td>8 3</td></t<>	EEE-206   Signal and Systems   4   15   35   50		CEE 200		+		4	15	35	50			8 3
EEE-204         Inansmissionand Distribution         3         1         4         15         35         50         A           EEE-206         Signal and Systems         3         1         4         15         35         50         A           EEE-208         Digital Circuits         3         1         4         15         35         50         A           EEE-210         Control Systems         3         1         4         15         35         50         A           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         A           HS-202         Fundamentals of Business & Economics         2         1         4         15         35         50         A         25         25         EEE-214         EIG-214         A         1         2         1         2         2         1         2         2         2         2         1         2	EEE-Z08   Ignational distributions   3   1   4   15   35   50     50		CEE-202	Escurcal Macunican	4		4	15	35	50			3
EEE-20b         Signal and Systems         3         1         4         15         35         50         Control Systems           EEE-20b         Digital Circuits         3         1         4         15         35         50         Control Systems           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         Control Systems         25         25         Control Systems Lab         25         1         2         1         25<	EEE-208   Signal and Systems   3   1   4   15   35   50		+07-333	Transmission and Distribution	-		4	15	35	20			8
EEE-208         Digital Curcuits         3         1         4         15         35         50         Control Systems           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         50         25           HS-202         Fundamentals of Business & Economics         3         1         4         15         35         25         25           EEE-212         EIEE-212         EIEE-214         Signal and Systems Lab         2         1         2         1         25         25           EEE-216         Digital Circuits Lab         2         1         2         1         25         25           EEE-218         Control Systems Lab         2         1         2         1         25         25           ELGA-202         English Language and General Awareness-IV         1         1         2         1         2	EEE-210   Control Systems   3   1   4   15   35   50	2	EEE-200	Signal and Systems			4	15	35	50			8
EEE-210         Control Systems         3         1         4         15         35         50         25	HS-202   Fundamentals of Business & Economics   3   1   4   15   35   50   25   25   15   20   1   15   25   25   25   25   25   25	4	EEE-208	Digital Circuits	2 6			15	35	50			100
HS-202         Fundamentals of Business & Economics         3         1         2         1         2         1         25	HS-202   Fundamentals of Business & Economics   2	5	EEE-210	Control Systems				31	35	50			100
EEE-212         Electrical Machines Lab-III         2         1         2         1         25         <	EEE-212   Electrical Machines Lab -     25   25   25   25   EEE-214   Signal and Systems Lab   25   25   25   25   EEE-216   Digital Circuits Lab   25   25   25   25   EEE-218   Control Systems Lab   25   25   25   25   25   EEE-218   Control Systems Lab   25   25   25   25   25   25   25   2	2	HS-202	Fundamentals of Business & Economics	2	,	+ -		2		25	25	90
EEE-214         Signal and Systems Lab         2         1         2         1         25	EEE-214         Signal and Systems Lab         2         1         2         1         25	1	EEE-212	Electrical Machines Lab-II		7	-				25	25	50
EEE-216         Digital Circuits Lab         2         1         2         1         2 </td <td>  EEE-216   Digital Circuits Lab</td> <td>8</td> <td>EEE-214</td> <td>Signal and Systems Lab</td> <td></td> <td>7</td> <td>-</td> <td></td> <td></td> <td></td> <td>36</td> <td>35</td> <td>5</td>	EEE-216   Digital Circuits Lab	8	EEE-214	Signal and Systems Lab		7	-				36	35	5
EEE-218         Control Systems Lab         2         1         2         1         25         23         23         23           ELGA-202         English Language and General Awareness-IV         1         1         1         29         29         1	EEE-218 Control Systems lab 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6	EEE-216	Digital Circuits Lab		2	-				35	35	5
ELGA-202 English Language and General Awareness-IV 1 29 29 TOTAL	ELGA-202 Engish Language and General Awareness-IV 1 29 Contract TOTAL TO		EEE-218	Control Systems Lab		2	-			20	67	3	3,5
TOTAL TOTAL	TOTAL  FOUNDERSON	0	ELGA-202	English Language and General Awareness-IV	-		-			7			3 8
	Shing Shing (Chair			TOTAL			29						Ge
	Shing (Shing Class							A CONTRACTOR OF THE PARTY OF TH					
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Deepole Kungr Joshi)

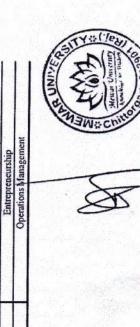
1			VIIS	VII SEMESTER	R						
S. S.	Course Code	G	Conta	Contact hours	Subject		End Term	End Term End Term Part 27	186	End Term	Total
1	Contac conc	Course Title	per.	힣	Credit	TA	Part 1	Viva- Voce	Practical	Practical	Marks
†			1	4							
-		Department Elective-1	3	_	4	15	35	20			18
7		Department Elective-II	3	_	4	15	316	05			100
60	EEE-423	Department Elective-III	3	_	4	15	35	05			18
7	EEE-424	Department Elective-IV	3		A	15	35	\$	-		100
2	0E-431	Open Elective-I	3		3		25	95			75
9	0E-432	Open Elective-II	1		3		35	9			7,5
7	IT-001	Industrial Training (21-45 Days)		12	9		ì	051			150
		TOTAL			28						700
-			VIIIS	VIII SEMESTER	R						
S. S.			Conta	Contact hours	Subject	Teachers		External Assessment/ Examination/Viva-			Total
01	Course Code	Course Title	per	per Week	Credit	Evaluation	Evaluation Lab Record	Voce			Marks
	PPP ANTION		1	T P							
-	CEE-441/442	EEEE-441/442 Industrial Training/Project		40	20	100	150	250			200
2	EEE-450	Comprehensive Academic and General Proficiency Viva-Voce			2			95			99
		TOTAL		-	22						955



Power Systems Restructuring and Power Managemen

LIST OF DEPARTMENTAL ELECTIVES

Artifical Intelligence Technique



Numerical Analysis And Optimization Techniques

Security In Computing

Environmental Assessment And Modeling

Advanced Communications

Advanced Engineering Mathematics Management Information Systems

Remote Sensing and GIS

Quality Control And Reliability

LIST OF OPEN ELECTIVES

Information Theory and Coding

Wireless Communication Biomedical Instrumentation ComputerCommunication

Electromagnetic Interference and Compatibility

Introduction to MEMS

Utilization of Electrical Energy

High Voltage Engineering

Non-conventional Energy Conversion Systems Non-linear and Digital Control Systems

High Voltage DC Transmission

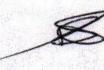
VLSI Devices and Design

**Digital Communication** 

Power Quality



Deepale KUMUS Joshi



			COUR	SE: B	Tech B	KANC	I: Mech	nnical En	COURSE: B.Tech BRANCH: Mechanical Engineering					
-				-	-	ISEMESTER	STER	***************************************						
N'S	Category	Course Code	e Course Title	Ö	Contact hours per Week	Tage III	Total contact Credits	Credits	77	End Term	Contract of the Contract of th	Internal	End	
				-	1	4	hours			-	2 / Viva- Voce	-	4	
-		BSC101	Physics	3	-	0	4	4	15	38	95	ļ	9	90
	Basic	BSC102	Mathematics-1	3	_	0	4	4	15	35	95	-	•	100
1.1.1	Science	BSC103	Chemistry	3		0	4	4	15	35	95		0	100
	course	BSC104	Physics Lab	0	٥	2	2	-	0	c	0	*	36	CO.
5		BSC105	Chemistry Lab	0	0	2	2	-	0	e	0	2 %	36	95
10.00	Engineering	ESCIOI	Basic Electrical Engineering	3	1	0	4	4	15	35	50	0	0	8 8
	Science	ESC102	Engineering Graphics & Design Lab	0	0	4		2	0	0	0	98	20	100
1	Courses	ESC103	Basic Electrical Engineering Lab		4	2	2	-	0	0	0	25	25	90
		•	TOTAL	22	4	=	36	17						989



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-		And the second s												
S.N	Category	Course Code	Course Title	ð	Contact hours per Week	rs per	Total	all a	1.0	End Term	End Term Part	Internal	End	
d				ı	Ŧ	۵	hours		•	I I	2/Viva-Voce	-	Practical	
T	Science	BSC106	Mathematics -II	3		0	4	4	15	35	50	0	0	100
T		ESC104	Programming for Problem Solving	3	-	0	4	4	15	35	50	0	0	100
T	Engineering	ESC105	Engineering Mechanics	3	_	0	4	4	15	35	50	0	0	100
"	Cointro	ESC106	Basic Electronics	3	-	0	*	4	15	35	50	e	0	100
-	Courses	ESC107	Programming for Problem Solving Lab	0	۰	4	4	7	0	o	0	85	20	8
-		ESC108	Workshop Practices Lab	0	0	4	4	2	0	0	0	905	95	100
-	Humanities and Social	HSMC 101		7	0	0	7	2	10	15	25	0	0	20
************	Sciences	HSMC 102	English Lab	0	0	2	2	-	0	0	0	22	25	99
-	Mandatory	MC-I	Environmental Science	2	0	0	2	0	0	0	0	0	0	0
		TOTAL	W	91	4	91	30	23						700

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Course Title						-	T OFFI	III SEMESTER							
Basic   BSC107   Mathematics-III   3   1   0   4   4   15   35   50   0	7		Course Code	Course Title	Counts	ect houn Week	-	Total		1	End Term	The second second second second	Internal	End	
BSC107   Mathematics-III   3   1   0   4   4   15   35   50					٦	T		hours			Part I	2 / Viva- Voce		<u> </u>	
Professional PCC-ME201 Thermodynamics   3   1   0   4   4   15   35   50   50		Basic Science	BSC107	Mathematics-III	т.	_	0	4	•	55	33	20	0	0	81
PCC-ME201         Thermodynamics         3         1         0         4         4         15         35         50           PCC-ME202         Strength of Materials Paginecring         3         1         0         4         4         15         35         50           PCC-ME203         Materials Enginecring         3         1         0         4         4         15         35         50           PCC-ME204         Fluid Mechanics & Fluid Machines         3         1         0         4         4         15         35         50           PCC-ME206         Fluid Mechanics & Fluid Machines         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0 <td< td=""><td>-</td><td>course</td><td>BSC108</td><td>Biology for Ungineers</td><td>2</td><td>0</td><td>0</td><td>2</td><td>2</td><td>10</td><td>115</td><td>25</td><td>0</td><td>0</td><td>gs.</td></td<>	-	course	BSC108	Biology for Ungineers	2	0	0	2	2	10	115	25	0	0	gs.
PCC-ME202         Strength of Materials — 3         3         1         0         4         4         15         35         50           PCC-ME203         Materials Engineering — 3         1         0         4         4         15         35         50           PCC-ME204         Fluid Mechanics & Fluid Machines         3         1         0         4         4         15         35         50           PCC-ME206         Fluid Mechanics & Fluid Machines         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2 <td>-</td> <td></td> <td>PCC-ME201</td> <td>Thermodynamics ~~</td> <td>3</td> <td>-</td> <td>0</td> <td>4</td> <td>4</td> <td>15</td> <td>35</td> <td>98</td> <td>0</td> <td>0</td> <td>991</td>	-		PCC-ME201	Thermodynamics ~~	3	-	0	4	4	15	35	98	0	0	991
PCC-ME203         Materials Engineering         3         1         0         4         4         15         35         50           PCC-ME204         Fluid Mechanics & Fluid Machines         3         1         0         4         4         15         35         50           PCC-ME205         Strength of Materials Lab         0         0         2         2         1         0         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         <	-		PCC-ME202	Strength of Materials	3		0	4	4	15	35	90	0	0	001
PCC-ME204         Fluid Mechanics & Fluid Machines         3         1         0         4         4         15         35         50           PCC-ME205         Strength of Materials Lab         0         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0           HSMC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0         0           HSMC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0         0           HSMC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0 <td>-</td> <td>Professional</td> <td>PCC-ME203</td> <td>Materials Engineering —</td> <td>3</td> <td></td> <td>0</td> <td>4</td> <td>4</td> <td>15</td> <td>35</td> <td>50</td> <td>0</td> <td>0</td> <td>100</td>	-	Professional	PCC-ME203	Materials Engineering —	3		0	4	4	15	35	50	0	0	100
PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0           PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0           HSMC201         Organizational Behavior         3         0         3         3         10         25         40	-	Core courses	PCC-ME204	Fluid Mechanics & Fluid Machines	3		0	4	4	15	35	\$0	0	0	100
PCC-ME206         Fluid Mechanics & Fluid Machines         0         0         2         2         1         0         0         0           HSMC201         Organizational Balastics         3         0         3         3         10         25         40	aiditing	Carrier and	PCC-ME205	Strength of Materials Lab -	0	0	2	2	-	0	0	0	25	25	95
HSMC201 Organizational 3 0 0 3 3 10 23 40	-		PCC-ME206	Fluid Mechanics & Fluid Machines	0	0	2	2	-	0	0	0	23	25	8
		Humanities and Social Sciences including Management courses	HSMC201	O. grad Zational Behavior	ъ	•		•		0	a	9		0	87
5 4 29			TOT		20	8	4	29	27						317







						VSEM	IV SEMESTER							
S.N	Category	Course Code	Course Title	Com	Contact hours per Week	rs per	Total		1	End Term	End Term Part	Internal	Pag.	
d				د	٠	4	hours		1	Ī	2 / Viva- Voce	1	Practical	Total Marks
-		PCC-ME	Applied Thermodynamics	3	-	0	4	4	15	35	20	0	0	901
N		PCC-ME 208	Instrumentation & Control	3	-	0	4	4	15	35	80	0	0	901
150		PCC-ME 209	Solid Mechanics 1	м	-	0	4	4	15	35	50	0	0	100
4	Professional	PCC-ME 210	Manufacturing Processes		-	0	4	4	15	33	9.0	0	0	100
S	Core courses	PCC. ME 211	Kinematics & Theory of Machines	6	-	0	4	4	15	35	95	0	0	100
9		PCC-ME 212	Instrumentation & Control Lab	o	0	2	2	-	0	٥	0	25	25	50
		PCC-ME 213	Manufacturing Processes Lab	0	•	4	4	2	0	0	0	20	50	100
00		PCC-ME 214	Kinematics & Theory of Machines	0	0	2	2	-	0	•	0	25	25	\$0
0	Humanities and Social Sciences including	H-102	Universal Human Values Z: Understanding Harmony		0	0	•	•	9	22	04	•	•	7.2
		9	TOTAL	<u>*</u>		80	31	22						277
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						VSEN	V SEMESTER							
N.S.	Category	Contre	Course Title	ð	Contact bours per Week	irs per	-		i	End Term	End Term Part	-		
d				1	Ŀ	۵	hours	hours Creams	V.	Part I	-	Practica 1	Practical	Total Marks
		PCC-ME 301	Heat Transfer —	3	-	.0	4	4	15	35	80	0	0	100
7	Professional Core courses	PCC ME 302	Manufacturing Technology	4	0	0	4	4	15	35	50	0	0	100
m		PCC ME 303	Design of Machine Elements	<u>_</u>		0	4	4	15	35	50	0	0	100
	Professional Flective	PEC MEI 301	Elective-1	m	0	0	6	3	10	æ	40	0	0	75
3	courses	-305	Elective-II		0	0	æ	3	10	25	40	0	0	72
9	Professional Core courses	PCC ME 304	Heat Transfer Lab	0	0	2	2	-	0	-	0	25	25	308
	Humanities and Social Sciences including Management courses	HSMC301 (OEL.II)	Humanities I (Effective Technical Communication)	4	•	0	7	~	01	2	ล		-	8
	Project (Summer internship)	PROJ. ME 301	Minor Project/ Seminar Summer Internship	0	0	2	7	-	0	0	0	8	82	98
		TOTAL	3	81	2	4	7.7	,						

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						VI SEA	VI SEMESTER							
S.	Category	Course Code	Course Title	3	Contact hours per Week	irs per	Total	į		End Term	End Term Part		End	
ó				4	F	4	hours	Noors Comments	•	Ī	2 / Viva- Voce	Practica 1	Term Practical	Total Marks
	Professional	PCC-ME 306	Automation in Manufacturing	9	0	0	3	3	01	23	9	•	0	7.5
	Core courses	PCC-ME 307	Automation in Manufacturing Lab	0	0	2	2	-	0	•	0	25	25	88
2	Professional Flective	PEC	Elective-III	m	0	0	9	ж	10	23	40	0	0	25
	courses	310	Elective-IV	3	0	0	3	3	10	25	9	-	-	36
	Open Elective courses	OEC 301-303	Open Elective-I	m	0	0	-	6	01	22	9			5 25
5	Mandatory courses	MC-II	Essence of Indian Knowledge Tradition	2	0	0	2	0	0	0	0	0	0	
	Project	PROJ-ME 302	Project-II( Major Project)	0	0	10	0	8	0	0	0	125	125	250
		TOTAL	LW.	3	-	12	36	2						700



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S.N.	Category	Course Code	Course Title	Ö	Contact bours per Week	irs per	Total	Total	•	End Term		Internal	End	
				J	F	۵	hours			Trad -	2 / Viva- Voce	-	Practical	Total Marks
	Professional Elective	PEC	Elective-V	m	0	0	m	3	01	25	40	0	0	7.5
	courses	MEL-101 402	Elective-VI	3	0	0	3	3	10	22	- 40	0	0	75
-	Open	OEC 401-403	Open Elective II	3	0	0	n	6	01	22	94	0	0	25
-	courses	OEC 404-406	Open Elective III	m	0	0	e e	3	10	25	40	0	0	75
-	Mandatory	MC-III	Constitution of India	2	0	0	2	0	0	0	0	0	0	0
	Project (Or Summer internship)	PROJ ME 401	Short Term Training (21.45 Days)/ Project-III	0	0	9	9	-	0	0	•	•	150	150
		TOTAL	9	3	•	٠	79	55						450

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Category	Category Course Code	Course Title	3	act hour Week	s per	Total	Credits	Project Renort	Total Project Internal contact Credits Renort Evaluation	Industry	Internal Practica	End	End Term Total Marks
			1	T	۵	hours					-	Practical	
Project	PROJ-ME 402	Industrial Internship/Project-IV	0	0	8	20	01	100	98	300	0	0	200
	£	moral	ļ	4	9.0		1.0						

## Professional Elective courses (15)

PEC MEL 301 Internal Combustion Engines.

PEC MEL 302 Automobile Engineering 1

PEC MEL 304 Mechatronic Systems PEC MEL 303 Composite Materials 2

PEC MEL 305 Microprocessors in Automation &

PEC MEL 306 Energy Conservation and Management > PEC MEL 307 Refrigeration and Air Conditioning -

PEC MEL 308 Process Planning and Cost Estimation 4

PEC MEL 309 Principles of Management

PEC MEL 310 Design of Transmission Systems 4 PEC MEL 401 Gas Dynamics and Jet Propulsion

PEC MEL 402 Total Quality Management 1

PEC MEL 403 Power Plant Engineering + PEC MEL 404 Computer Aided Design

PEC MEL 405 Finite Element Analysis A

## Open Elective Courses (10)

OEC 301 Soft Skills and Interpersonal Communication -

OEC 302 ICT for Development

OEC 303 Human Resource Development and Organizational Behavior -

OEC 401 Cyber Law and Ethics -

OEC 402 Introduction to Philosophical Thoughts -

OEC 403 Comparative Study of Literature

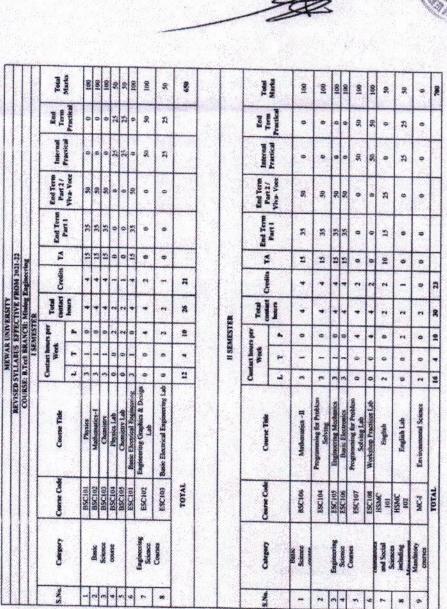
OEC 404 Indian Music System

OEC 405 History of Science & Engineering

OEC 406 Introduction to Art and Aesthetics



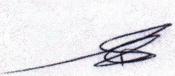
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*	Calegory	3	Course Title	8	Week	Contact bears per Week	to de la constant de	į		End Ton	End Term	Internal	3,	Total
-				ے	*	*	T T		**********	Shirtenin bristery			Practical	
-	Basic Science	89C107	Manager 11	•	-	8	*	**	=	8	95	0	9	180
T.,	COMMIN	BSCIUR	Sinkay for Luganers	5		9	-	-	3	1	1	19	-	5
		R.C. ARISH		100	-	0	*	*	12	335	36	0	8	188
1		PC MIDE		M	**	0	*	*	115	L	9	8	0	100
	Professional	KC-ME203	Mose Machagery (	er:	-	8	*	+	13		36	-	0	4.00
	Core courses	RCC-MEM		3	-	9	*	*	14		95	8	0	100
		PCC-MI265		8	0	~	***	-	0		0	2.6	23	2
-		R.CMISSE	Manage Condago - I Lab	2	0	2	2		=	8	٥	33	23	識
-		Ē	]1		•	6	•	n	2	а	\$	•		ĸ
4		TOTAL		8	*	-	A	1.	1				T	725
1					IV SE	IV SEMESTER								
	Į		4	8	Constant Bours per Week	2	3		Francisco		East Term	Internal	3	Total
-				-	-	-	Bours	Credita	\$	-	Vira-Vace	and retrebelled by	Practical	Marks
-		ACC:MI	Reck Mechanics	-	-	•	-	-	2	×	93		•	168
-		KC-ME	Missay Goology-II	~	-	•	+	*	2	33	R	·		180
-		KCC-MI	Mine Development		-	•	-	-	2	×	95		•	31
	Professional	NCC-NG	Mine Surveying 4	3	-			4	2	38	38		0	8
	Core courses	MCC-MI	Mechanical Engineering	•	-	0	-	+	2	я	33		9	8
		RC-MI	Mining Geology-II Lab	φ		~		-	0	۰		a	R	*
		PCC.NB	Mine Serveying 4 Lab		*	+		**		ø		*	93	8
		PCC-MB	Miss Development Lab	0	٠	1	7	-		0	9	B	п	8
	Pleasantins and Social Scenes including	H-102	Occupations Value 2 University (Inches	-	9		*	-	8	n	9	•		z.
		TOTAL.			gr <sub>i</sub>	*	æ	n						E



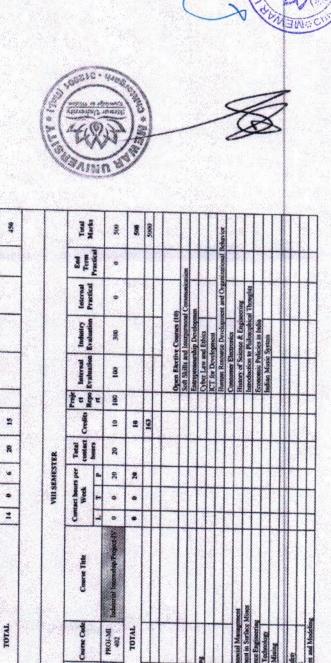






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S.No.	Category	Owere Code	Course Title	8	Week	Contact hours per Week	Total	Credit	\$	End Term	End Term Part 27	Internal		East
					٠	*	Popers				Viva-Visco		-	Fractical
- Charles		PCC-MI	Eagrecong Mathematics- IV	(4)	-	0	*	7	n	38	96	0	-	0
.74	Professional Core courses	75 W	Meang Cerdogy-III	*	œ	*	+	7	=	33	8	0	L	8
m		Z W	Directional Stone Technology	-		9	•	*	×	33	95	*	-	
*	Professional	MEL32 33.5	Elective-I	544	8			*	2	n	\$	es		
47.	Elective courses	MEELTE	Electrice-II	<i>M</i>	8	0	m	~	94	ន	\$	o		-
w	Professional Core courses	PCC M 30	Mining Geology-III Lab			~	**	-	0		0	23	-	12
	Horassace and Social Science of Hollang Management	IRSNCOEL BY	Personal (Offices Transaction and	-	۰	٠		"	92	23	a	0		
96	Project (Samoner (atemetrip)	PRO3-36	Miner French Postsach Segue Internation	40	9	74	2	-	8	6		n	n	-
		TOTAL		*	**	-	a.	я						-
					VISE	VISEMESTER	4							
				8	Contact hours per Week	- Alexinostectural and a			Professionanas		End Term		3	
Ž,	Cantagory		Caserse Title	-2	-		eestact bours	Credits	<b>4</b>	Ē	Viva-Voce		Term Practical	Marks
_	Professional	MC: NE	uskrypowed Metalliforcus Mean	*			-	6	2	12	\$	6	6	
Г	Core courses	MCC-ME	Moseral Pracessing			**	**	-	-		9	n	23	
~	Professional	PEC MREL421- 423	Checkive-III	n	0	۰	-		£	n	\$	8		
-	Elective courses	PEC MIELAZI- 423	Elective-IV	**	Ð	0			2	я	ĝ.	0	0	
-	Chester Elective courses	180390	Open Elective-I	· ·	9	•	е.	~	2	33	9	0	0	
*	Mendatory	MC-II	Estate of Tedan Enemisting	2		8	**	0	•	•	9	0	0	1
w	Project	PROF-MI	Project III: Major Projects	9		10	92		١.		T.		1	





Total

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Total contact Crodis TA Ead Term Ead Term Internal bours | Part 2 | Practical bours

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Open Elective II Open Elective III

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