Date : August 07, 2020

Subject : Academic Calendar for academic year 2020-2021 (Odd Semester)

- It is notified to all concerned that Academic Calendar for the Academic year 2020- 2021 (Odd Semester) is published as directed by competent authorities of the University.
- This Academic Calendar shall be applicable to all University Teaching Departments and Affiliated Colleges of the University.
- All the Affiliated Institutions shall prepare their Academic Calendar as per University Academic Calendar and after approval of the College Development Committee, the College Academic Calendar be published in the College Prospectus and upload on the Website.
- Classes may be started in online / offline (class room) or blended mode (online+offline) following the prescribed protocols /guidelines related to COVID-19.
- Teaching Departments of the University and Affiliated Colleges shall have holidays as per Table-2
- The time span allotted for examinations shall be strictly followed by Examination Section.
- Admissions of the First Semester are governed by their respective authorities, this may lead to late commencement of actual teaching. Hence, it is recommended to extend First Semester to observe at least 90 teaching days.
- It is notified further for all concerned that, the Academic Calendar for the Academic Year 2020-2021 (Odd Semester) shall be as under:

Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

Dr. BABASAHEB AMBEDKAR TECHNOLOGIOCAL UNIVERSITY, LONERE

(Established by Government of Maharashtra and Governed by Dr. Babasaheb Ambedkar Technological University Act No. XXIX of 2014)

Vidyavihar, Lonere – Raigad 402 103 (Maharashtra) Website : www.dbatu.ac.in

Table-1 Academic Calendar 2020-21 (Odd Semester)

Sl. No.	Activity	Commencement Date	Concluding Date	Total Days	Pharmacy	Engineering	Architecture
1	Admissions for Second, Third and Final Year **(By ONLINE MODE only)**	August 05, 2020	August 16, 2020	12	UG, PG & Pharm. D.	UG and PG	UG and PG
2	Commencement of Classes of Second, Third and Final Year **(By ONLINE MODE only)**	August 17, 2020	December 5, 2020	120	UG, PG & Pharm. D.	UG & PG	UG & PG
3	Dissertation Submission of the Academic Year 2019-2020	July 31, 2020	August 31, 2020	15	PG	PG	PG
4	Dissertation Examination of the Academic Year 2019-2020	September 01, 2020	September 05, 2020	5	PG	PG	PG
5	First Periodic Test	October 05, 2020	October 10, 2020	6	UG, PG & Pharm. D	--	--
6	Mid-Semester Examinations	October 08, 2020	October 16, 2020	9	--	UG and PG	UG & PG
7	Submission of Dissertation Proposal to University	October 09, 2020	October 12, 2020	4	PG	PG	PG
8	Display of Mid-Semester Examination Marks	October 17, 2020	October 20, 2020	4	--	UG and PG	UG & PG
9	Display of Marks at College and Filling of Marks Online on University Portal	October 19, 2020	October 21, 2020	3	UG & PG	UG & PG	UG & PG
10	Scrutiny of Master's Level Dissertation Work Proposal	October 19, 2020	October 21, 2020	3	PG	PG	PG

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11	Exam Form Filling for Regular & Supplementary Examinations	October 19, 2020	October 22, 2020	4	UG, PG & Pharm. D.	UG and PG	UG & PG
12	Exam Form Filling for Regular & Supplementary Examinations with Late Fee	October 23, 2020	October 27, 2020	5	UG, PG & Pharm. D.	UG and PG	UG & PG
13	University Tech Fest 2021 **(By Online mode only)**	November 09, 2020	November 11, 2020	3	UG, PG & Pharm. D.	UG and PG	UG & PG
14	End of Classes	--	November 21, 2020		UG & PG	UG & PG	UG & PG
15	Second Periodic Test	November 23, 2020	November 28, 2020	6	UG PG & Pharm. D.	--	--
16	Practical/Project/Seminar Examinations	December 01, 2020	December 03, 2020	3	--	UG and PG	--
17	Display of Final Continuous Evaluation Marks at College and Filling of Marks online on University Portal Uploading of Practical, Project and CA Marks on University portal	December 01, 2020	December 03, 2020	3	UG & PG	UG & PG	UG & PG
18	End Semester Regular & Supplementary Examination Theory and Practical	December 05, 2020	January 05, 2021	32	UG PG & Pharm. D.	UG and PG	UG & PG

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Table 2 : List of Festivals / Holidays

Sl. No.	Festivals / Holidays	Date
1	Independence Day	Saturday, 15 August, 2020
2	Ganesh Chaturthi	Saturday, 22 August, 2020
3	Gouri Poojan	Wednesday, 26 August, 2020
4	Mahatma Gandhi Jayanti	Friday, 2 October, 2020
5	Id-E-Milad	Friday, 30 October, 2020
6	Gurunank Jayanti	Monday, 30 November, 2020
7	Christmas	Friday, 25 December, 2020
8	Republic Day	Tuesday, 26 January, 2021
9	Chhatrapati Shivaji Maharaj Jayanti	Friday, 19 February, 2021
10	Mahashivratri	Thursday, 11 March, 2021
11	Holi (Second Day)	Monday, 29 March, 2021
12	Good Friday	Friday, 2 April, 2021
13	Gudhi Padwa	Tuesday, 13 April, 2021
14	Dr. Babasaheb Ambedkar Jayanti	Wednesday, 14 April, 2021
15	Maharashtra Day	Saturday, 1 May, 2021
16	Ramzan Id (Id-Ul-Fitr) (Shawwal-1)	Thursday, 13 May, 2021
17	Buddha Pournima	Wednesday, 26 May, 2021

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Table 3 : Following Holidays fall on Sunday

Sl. No.	Festivals / Holidays	Date
1	Parsi New Year (Shahenshahi)	August, 16, 2020
2	Moharum	August 30, 2020
3	Dasara	October 25, 2020
4	Mahavir Jayanti	April 25, 2021

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Dr. S. L. Nalbalwar
Dean (Academics – F o E & T)

Copy submitted to Hon. Vice-Chancellor for kind information

Copy to:

1. All Deans
2. Registrar
3. All Head of the Departments
4. Principals of all affiliated institutes
5. Controller of Examinations
6. Student Section

Dr. Babasaheb Ambedkar Technological University

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www.dbatu.ac.in

Notification

DBATU/Dean/Reg/2020-21/ 362
Date: 18/01/2020

Academic Calendar for **Even Semesters (IVth, VIth & VIIIth) for AY 2020-21**

Sr. No.	Activity	Commencement Date	Concluding Date	Total Days	All Faculty
1	Commencement of classes for Even semester	February 15, 2021	June 22, 2021	128	All UG and PG Programs
2	Declaration of results for Odd Semester	February 20, 2021	February 20, 2021	1	All UG and PG Programs
3	Registration for photo copy of Answer books	February 20, 2021	February 25, 2021	6	All UG and PG Programs
4	Declaration of Revaluation results	March 08, 2021	March 08, 2021	1	All UG and PG Programs
5	Registration for remedial Examination	March 08, 2021	March 12, 2021	5	All UG and PG Programs
6	Remedial Examination	March 13, 2021	March 22, 2021	10	All UG and PG Programs
7	Dr. B. R. Ambedkar Jayanti	April 14, 2021	April 14, 2021	1	Celebration at University and Affiliated Colleges
8	First periodic test	April 24, 2021	April 30, 2021	7	Pharmacy
9	CA-I Marks Submission to Exam Section	April 24, 2021	April 30, 2021	7	All UG and PG Programs
10	Annual Social Gathering	May 06, 2021	May 8, 2021	3	University and Affiliated Colleges
11	Mid Semester Examinations	May 13, 2021	May 22, 2021	10	All UG and PG Programs
12	Exam form filling Regular & Supplementary	May 24, 2021	May 29, 2021	6	All UG and PG Programs
13	Exam form filling Regular & Supplementary with late fee	May 30, 2021	June 03, 2021	5	All UG and PG Programs
14	Third Periodic test	May 28, 2021	June 03, 2021	6	Pharmacy
15	Sports Week	June 04, 2021	June 09, 2021	6	University and Affiliated Colleges
16	CA-II Marks Submission to Exam Section	June 14, 2021	June 19, 2021	6	All UG and PG Programs
17	End of classes	June 22, 2021	--	--	All UG and PG Programs
18	Practical/Project/Seminar Examinations	June 24, 2021	June 29, 2021	6	All UG and PG Programs

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19	Second periodic test	June 24, 2021	June 29, 2021	6	Pharmacy
20	End semester Practical Examination	July 03, 2021	July 12, 2021	10	Pharmacy
21	Uploading Internal marks / Mid Semester Examination, practical, project marks to University portal	July 04, 2021	July 13, 2021	10	All UG and PG Programs
22	End Semester & Supplementary Examination	July 05, 2021	August 03, 2021	30	All UG and PG Programs
23	End semester Theory Examination (regular & repeater)	July 09, 2021	August 04, 2021	27	All UG and PG Programs
24	Submission of M. Pharm / M. Tech./ M. Arch. Dissertation	August 01, 2021	August 31, 2021	31	All PG Programs

List of Festivals/Holidays

Sr.No.	Festivals/Holidays	Date
1	Republic Day	Tuesday, 26 January, 2021
2	Chhatrapati Shivaji Maharaj Jayanti	Friday, 19 February, 2021
3	Mahashivratri	Thursday, 11 March, 2021
4	Holi (Second Day)	Monday, 29 March, 2021
5	Good Friday	Friday, 2 April, 2021
6	Gudhi Padwa	Tuesday, 13 April, 2021
7	Dr.Babasaheb Ambedkar Jayanti	Wednesday, 14 April, 2021
8	Shriram Navami	Wednesday 21 April, 2021
9	Maharashtra Day	Saturday, 1 May, 2021
10	Ramzan Eid (Eid-al-Fitr)(Shawwal-1)	Thursday, 14 May, 2021
11	Buddha Pournima	Wednesday, 26 May, 2021
12	Bakri Eid	Wednesday, 21 July, 2021

Dr. S. L. Nalbalwar
Dean (Academics- FoE&T)

Dr. S. L. Nalbalwar
Dean (Academic - Fo E &
Dr. Babasaheb Ambedkar Technological
Lonere Raigad - 402 103

Dr. Babasaheb Ambedkar Tech. University
LONERE
RAIGAD
Maharashtra

30.01.21

(Dr. B.F. Jogi)
I/c Registrar

REGISTRAR
Dr. Babasaheb Ambedkar Technological University.
LONERE 402 103.
Dist. Raigad, (Maharashtra)

Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

J D COLLEGE OF ENGINEERING & MANAGEMENT
NAGPUR

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An Autonomous College, Affiliated to DBATU, Lonere

At: Khandala, Post- Valni, Kalmeshwar Road, Near Fetri, Nagpur

ACADEMIC CALENDAR FOR THE SESSION 2020-2021 (ODD SEM)

w.e.f. 15/7/2020

Sr. No.	ACTIVITY	DATES
1	Submission of Teaching Plan for 5th and 7th sem B. Tech.	11/07/2020
2	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	13/7/2020
3	Commencement of 5th and 7th sem B. Tech.	15/07/2020
4	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	01/08/2020
5	Student Feedback-1	01/08/2020
6	Analysis of Student Feedback & action taken on feedback	05/08/2020
7	Submission of assignment-1 (UG)	14/08/2020
8	Review of Syllabus covered, Display of attendance & Provisional Detention List-1, Monthly HOD presentation	17/08/2020
9	Parent Teacher Meet	29/08/2020
10	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	31/08/2020
11	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	31/08/2020
12	Commencement of first periodic test for 5th, 7th sem	31/8/2020 to 05/09/2020
13	Answer sheet showing & sign, display of test-1 marks	10/09/2020
14	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	12/09/2020
15	Student Feedback-2	14/09 to 17/09/2020
16	Monthly presentation of HOD's	30/09/2020
17	Display of Time Table for MSE Exam (UG) Meetings of Teacher Guardians with students, Meetings of CRs with HOD Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	01/10/2020
18	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	03/10/2020
19	Commencement of MSE for 5th, 7th sem	08/10 to 16/10/2020
20	Answer sheet showing & sign, display of MSE marks, filling fo marks online on university portal, Analysis of feedback-2	19/10 to 21/10/2020
21	Parent Teacher Meet	07/11/2020
22	Display of Provisional Detention list for all	09/11/2020

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23	Display of Time Table for Test-2 Exam (UG)	15/11/2020
24	Conduction of remedial classes for special students for all branches of Engg	19/11/2020 to 30/11/2020
25	Last Teaching day for UG Engg	21/11/2020
26	Commencement of Test-2 for 5th, 7th sem	23/11 to 28/11/2020
27	Answer sheet showing & sign, display of Test-2 marks Internal Practical Examination for 5th and 7th	01/12/to 03/12/2020
28	Commencement of ESE for 5th, 7th sem	05/12 to 05/01/2021

Note:-

1. Academic Meeting twice in a month with Principal, Vice Principal and Dean Academics.

Dr. S. L. Haridas
Dean Academics
JDCOEM, Nagpur

Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

Cc:-

1. Hon. Director, JES Nagpur for kind information please.
2. Deans/Hods/SHs/COE for information & necessary action .
3. Library/Student Section/Account Section/Bus Supervisor for necessary action.
4. Website Developer for uploading on College Website.

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J D COLLEGE OF ENGINEERING AND MANAGEMENT

KATOL ROAD, NAGPUR

An Autonomous Institute, with NAAC "A" Grade

Department of Electronics and Telecommunication Engineering

"Rectifying Ideas, Amplifying Knowledge"

2020-21 (Odd Sem)

VISION	MISSION
"To be a Department providing high quality & globally competent knowledge of concurrent technologies in the field of Electronics and Telecommunication."	1. To provide quality teaching learning process through well-developed educational environment and dedicated faculties. 2. To produce competent technocrats of high standards satisfying the needs of all stakeholders.

ACADEMIC CALENDAR FOR THE SESSION 2020-21 (ODD)
w.e.f. 15/07/2020

MONTH	DAY							No. of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
July-20				1	2	3	4	26	NIL	11th : Submission of Teaching Plan (3rd 5th 7th Sem) 13th : Distribution of portfolio, TG, Class In-charge, Display of Timetable 15th : Commencement of Classes (3rd, 5th & 7th Sem) 20th -25th : Induction Program
	5	6	7	8	9	10	11			
	12	13	14	15	16	17	18			
	19	20	21	22	23	24	25			
	26	27	28	29	30	31				
Aug-20							1	23	01: Bakri Eid 15: Independence Day 22: Ganesh Chaturthi	01st : Review of syllabus, Display of attendance, Provisional Detention List –I, Student feedback-1. 05th : Analysis of Student Feedback and action taken on feedback 10th : Display of Time table for test 1 exam 14th : Submission of Assignment -1 17th -21st : Class Assessment-I 17th : Review of syllabus, Display of attendance, Provisional Detention List –II. 26th : Answer Sheet Showing & Sign, Display of CA-I marks. 29th : Parents Teacher Meet 31st : Meeting of TG with students, Meeting of CR's with HOD. 31st : Meeting of staff with HOD and MOM to Principal office.
	2	3	4	5	6	7	8			
	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22			
	23	24	25	26	27	28	29			
	30	31								
Sep-20			1	2	3	4	5	25	NIL	05th : Display of MSE Time table 12th : Review of syllabus, Display of attendance, Provisional Detention List –III. 14th -17th : Student Feedback -2 14th -19th : Commencement of MSE (3rd 5th 7th Sem) 23rd : Answer Sheet Showing & Sign, Display of MSE marks, Analysis of Student Feedback and action taken on feedback. 30th : Monthly presentation of HOD
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
	20	21	22	23	24	25	26			
	27	28	29	30						

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Oct-20					1	2	3	25	02: Gandhi Jayanti	**01st** : Meeting of TG with students, Meeting of CR's with HOD. **01st** : Meeting of staff with HOD and submission of MOM to Principal office. **01st** : Display of Class Assessment-II Timetable. **03rd** : Review of syllabus, Display of attendance, Provisional Detention List –IV. **09th -15th** : Class Assessment-II. **19th** : Answer Sheet Showing & Sign, Display of CA-II marks.
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			
	18	19	20	21	22	23	24			
	25	26	27	28	29	30	31			
Nov-20	1	2	3	4	5	6	7	24	Diwali 30: Gurunanak Jayanti	**07th** : Parents Teacher Meet **09th** : Review of syllabus, Display of attendance, Provisional Detention List –V. **10th** : Last Teaching Day **19th -30th** : Conduction of Remedial classes for DSY and special Students
	8	9	10	11	12	13	14			
	15	16	17	18	19	20	21			
	22	23	24	25	26	27	28			
	29	30								
Dec-20			1	2	3	4	5	25	25: Christmas	**01st -05th** : Internal practical Examination **08th -15th** : ESE (As per DBATU Calendar) **19th -20th** : Internal Academic Audit
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
	20	21	22	23	24	25	26			
	27	28	29	30	31					

Prof. Avinash K. Ikhar
Academic Incharge

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Department of Management Studies
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Session 2020-21

ACADEMIC CALENDAR FOR ODD SESSION

No. DOMBA/2020-21/OS/I/ Semester: III Dt.: 10 / 07 / 2020

MONTH	DAYS							NO. OF WORKING DAYS	HOLIDAYS	ACTIVITES
	SUN	MON	TUE	WED	THU	FRI	SAT			
July-20				1	2	3	4	15	Nil	15th - Commencement of Classes III semester
	5	6	7	8	9	10	11			
	12	13	14	15	16	17	18			
	19	20	21	22	23	24	25			
	26	27	28	29	30	31				
Aug-20							1	23	01st -Bakri Eid 15th - Independence Day 22nd – Ganesh Chaturthi	14th – SIP topic submission 17th to 21st – Sessional I 24th – SIP Progress seminar I
	2	3	4	5	6	7	8			
	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22			
	23	24	25	26	27	28	29			
	30	31								
Sep-20			1	2	3	4	5	26	NIL	14th to 18th - Sessional II 21th – SIP Progress seminar II
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
	20	21	22	23	24	25	26			
	27	28	29	30						
Oct-20					1	2	3	24	2nd – Gandhi Jayanti 25th – Dashara 30th – Id-i-Milad	15th - SIP project Presentation & Submission
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			
	18	19	20	21	22	23	24			
	25	26	27	28	29	30	31			
Nov-20	1	2	3	4	5	6	7	8	NIL	10th – Last day of teaching
	8	9	10	11	12	13	14			
	15	16	17	18	19	20	21			
	22	23	24	25	26	27	28			
	29	30								

All the students are being hereby informed that the regular classes will commence from 15th July 2020.
The dates mentioned for the activities are subject to change, depending on the review of academics & other constraints.

Dr. Swarnalata Philip
HOD- MBA

Principal
J D College of Engineering & Management
Khandala, Katol Road
Nagpur-441501

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ACADEMIC CALENDAR FOR THE SESSION 2020-2021 (EVEN SEM)

For 4th(D2) w.e.f. 26/4/2021

Sr. No.	ACTIVITY	DATES
1	Commencement of 4th sem (DSY) B. Tech. Classes	26/04/2021
2	Student Feedback	10-15/05/2021
3	Analysis of Student Feedback & action taken on feedback	16-20/05/2021
4	Submission of assignment-1, Display of Time Table for MSE Exam for 4th Sem	20/05/2020
5	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	25/05/2021
6	Parent Teacher Meet	29/05/2021
7	Commencement of MSE	27/05 to 03/06/2021
8	Answer sheet showing & sign, display of MSE marks	06/06/2021
9	Submission of assignment-2	20/06/2021
10	Last Teaching day , Display of Provisional Detention list	30/06/2021
11	Internal Practical Examination for 4th sem	As per convenience
12	Commencement of ESE for 4th sem (Theory & Practical)	01/07 to 08/07/2021

Dr. S. L. Haridas
Dean Academics
JDCOEM, Nagpur

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ACADEMIC CALENDAR FOR THE SESSION 2020-2021 (EVEN SEM)

For 4th (Regular), 6th & 8th(DBATU) Sem w.e.f. 15/2/2021

Sr. No.	ACTIVITY	DATES
1	Commencement of 1st sem B. Tech. Classes	01/02/2021
2	Commencement of 3rd sem (DSY) B..Tech. Classes	01/02/2021
3	Commencement of 1st sem M. Tech./MBA Classes	01/02/2021
4	Submission of Teaching Plan for 4th , 6th and 8th sem B. Tech.	15/02/2021
5	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	15/02/2021
6	Commencement of 4th sem classes Commencement of 6th and 8th sem (DBATU) B. Tech. Classes Commencement of 8th sem (RTMNU) B. Tech. Classes	15/02/2020 22/02/2021 19/04/2021
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	10/03/2021
8	Student Feedback-1	10/03/2021
9	Analysis of Student Feedback & action taken on feedback	12/03/2021
10	Submission of assignment-1 (UG)	20/03/2020
11	Commencement of first periodic test for 4th sem Commencement of first periodic test for 6th & 8th sem	18/03 to 25/3/2021 01/04 to 10/04/2021
12	Answer sheet showing & sign, display of sessional-1 marks Answer sheet showing & sign, display of sessional-1 marks	31/03/2021 (4th sem) 16/04/2021 (6th & 8th sem)
13	Parent Teacher Meet	17/04/2021
14	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	17/04/2021
15	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	17/04/2021
16	Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation (4th Sem)	17/04/2021
17	Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation	15/04/2021
18	Display of Time Table for MSE Exam for 4th Sem Display of Time Table for MSE Exam for 6th & 8th sem	12/04/2021 01/05/2021
19	Commencement of MSE for 4th sem Commencement of MSE for 6th & 8th sem	19/04 to 27/04/2021 13/05 to 22/05/2021
20	Student Feedback-2 (4th sem) Student Feedback-2 (6th & 8th sem)	19/04 to 27/04/2021 13/05 to 22/05/2021
21	Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2	01/05/2021 (4th Sem) 29/05/2021 (6th & 8th sem)
22	Meetings of Teacher Guardians with students, Meetings of CRs	15/05/2021

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	with HOD	
23	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	15/05/2021
24	Monthly presentation of HOD's	17/05/2021
25	Display of Time Table for Test-2 Exam 4th sem Display of Time Table for Test-2 Exam 6th & 8th sem	05/05/2021 24/05/2021
26	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	10/05/2021 (4th sem) 24/05/2021 (6th & 8th sem)
27	Commencement of Test-2 for 4th sem Commencement of Test-2 for 6th & 8th sem	12/05 to 20/05/2021 01/06 to 08/06/2021
28	Answer sheet showing & sign, display of Test-2 marks	25/05/2021 (4th sem) 12/06/2021 (6th & 8th sem)
29	Parent Teacher Meet	05/06/2021
30	Last Teaching day for UG Engg 4th sem Last Teaching day for 6th & 8th sem	05/06/2021 22/06/2021
31	Display of Provisional Detention list	09/06/2021 (4th sem) 26/06/2021 (6th & 8th sem)
32	Conduction of remedial classes for special students	25/05 to 05/06/2021
33	Internal Practical Examination for 4th sem Internal Practical Examination for 6th and 8th	07/06 to 12/06/2021 24/06 to 29/06/2021
34	Commencement of ESE for 4th sem (Theory & Practical) Commencement of ESE for 6th & 8th sem (Theory & Practical)	16/06 to 30/06/2021 05/07 to 04/08/2021
35	Internal Academic Audit for all External Academic Audit	09/08 to 14/08/2021 as per DBATU schedule

Dr. S. L. Haridas
Dean Academics
JDCOEM, Nagpur

Principal
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Khandala, Katol Road
Nagpur-441501

Cc:-

1. Hon. Director, JES Nagpur for kind information.
2. Deans/Hods/SHs/COE for information & necessary action .
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4. Website Developer for uploading on College Website.

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DEPARTMENT OF B.TECH. FIRST YEAR

ACADEMIC CALENDER FOR THE SESSION 2020-21(EVEN SEMESTER)

FOR B.TECH. SEMESTER- II

MONTH	DAY							No.of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
May-21							1	17	14 May, Ramjan Eid 26 May-Buddha Pournima	
	2	3	4	5	6	7	8			12/05/2021:Commencement of Sem-II
	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22			31/05/2021 to 02/06/2021:Student feedback
	23	24	25	26	27	28	29			
	30	31								
Jun-21			1	2	3	4	5	26	No Holiday	05/06/2021: Analysis of Student feedback
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			09/06/2021:Submission of Assignment, Syllabus Review, Display of Detension-I
	20	21	22	23	24	25	26			10-17/06/2021:Conduction of Class Test
	27	28	29	30						26/06/2021:Parent Teacher Meet
Jul-21					1	2	3	26	21 July-Bakari Eid	04/07/2021:Review of Syllabus,Display of Detension-II
	4	5	6	7	8	9	10			5-10/07/2021:Conduction of MSE(2 Units)
	11	12	13	14	15	16	17			15/07/2021:Display of MSE marks
	18	19	20	21	22	23	24			31/07/201:Submission of Assignment-II
	25	26	27	28	29	30	31			
Aug-21	1	2	3	4	5	6	7	19	16 Aug-Parsi day 19 Aug-Moharram 30 Aug-Janmashthami	
	8	9	10	11	12	13	14			12/08/2021:Last Teaching, Display of Detetion-III
	15	16	17	18	19	20	21			Internal Practicals(As per Convenience)
	22	23	24	25	26	27	28			14-25/08/2021:ESE (Theory and Practical)
	29	30	31							
	Total Working Days							88		

1)The dates mentioned for activities are subject to change depending on review of academics & other constraints.

2)Strict action will be taken against the students for not attending the classes. The fine of Rs. 25/- per lecture will be imposed for not attending the classes.

Dr.Amit N.Gupta
HOD, BHSD
JDCOEM

Dr.S.L. Haridas
Academic Dean
JDCOEM, Nagpur

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J D COLLEGE OF ENGINEERING & MANAGEMENT

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At: Khandala, Post- Vaini, Kalmeshwar Road, Near Fetri, Nagpur

DEPARTMENT OF CIVIL ENGINEERING

Vision: To be a well known center for shaping professional leaders of the global standards in Civil Engineering.

Mission: • Provide quality education and excellent learning Environment for overall development of students.
• Making Sustainable efforts for integrating academics with industry.

ACADEMIC CALENDER: 2020 - 21 (Even Semester)

MONTH	DAY							No.of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
Feb-21		1	2	3	4	5	6	24		01/02/2021 - Commencement of 3rd sem (DSY) B. Tech. Classes. 15/02/21 - Submission of Teaching Plan for 4th , 6th and 8th sem B. Tech. Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc., Commencement of 4th sem classes. 22/02/21 - Commencement of 6th and 8th sem (DBATU) B. Tech. Classes.
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28									
Mar-21		1	2	3	4	5	6	22	11/03 - Mahashiv Ratri. 29/03 - Holi.	10/03/21 - Review of Syllabus covered, Display of attendance & Provisional Detention List-1, Student Feedback-1. 12/03/21- Analysis of Student Feedback & action taken on feedback 20/03/21 - Submission of assignment-1 (UG). 18/03/21 to 25/03/21 - Commencement of first periodic test for 4th sem. 31/03/21 - Answer sheet showing & sign, display of sessional-1 marks (IV Sem).
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28	29	30	31						

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ACADEMIC CALENDER: 2020 - 21 (Even Semester)

MONTH	DAY							No.of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
Apr-21					1	2	3	22	02/04 - Good Friday. 13/04 - Gudipadwa. 14/04 - Dr. Babasaheb Ambedkar Jayanti. 21/04 - Ram Navmi	01/04/21 to 10/04/21 - Commencement of first periodic test for 6th & 8th sem. 12/04/21 - Display of Time Table for MSE Exam for 4th Sem 15/04/21 - Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation 16/04/21 - Answer sheet showing & sign, display of sessional-1 marks (VI Sem and VIII Sem) 17/04/21 - Parent Teacher Meet. Meetings of Teacher Guardians with students, Meetings of CRs with HOD, Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office, Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation (IV Sem). 19/04/21 - Commencement of 8th sem (RTMNU) B. Tech. Classes, 19/04/21 TO 27/04/21 - Commencement of MSE for IV sem, Student Feedback-2 (IV sem).
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			
	18	19	20	21	22	23	24			
	25	26	27	28	29	30				

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ACADEMIC CALENDER: 2020 - 21 (Even Semester)

MONTH	DAY							No.of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
May-21							1	23	1/05 - Maharashtra Din. 14 May - Ramzan Id. 26 May - Buddha Poornima.	01/05/21 - Display of Time Table for MSE Exam for 6th & 8th sem, Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2. 05/05/21 - Display of Time Table for Test-2 Exam 4th sem 10/05/21 - Review of Syllabus covered, Display of attendance & Provisional Detention List-3. 12/05/21 to 20/05/21 - Commencement of Test-2 for 4th sem. 15/05/21 - Meetings of Teacher Guardians with students, Meetings of CRs with HOD, Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office. 17/05/21 - Monthly presentation of HOD's. 24/05/21 - Display of Time Table for Test-2 Exam 6th & 8th sem, Review of Syllabus covered, Display of attendance & Provisional Detention List-3. 25/05/21 - Answer sheet showing & sign, display of Test-2 marks (IV Sem). 29/05/21 - Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2 (VI & VIII Sem) 25/05/21 to 05/06/21 - Conduction of remedial classes for special students.
	2	3	4	5	6	7	8			
	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22			
	23	24	25	26	27	28	29			
	30	31								

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ACADEMIC CALENDER: 2020 - 21 (Even Semester)

MONTH	DAY							No.of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
Jun-21			1	2	3	4	5	22		01/06/21 to 08/06/21 - Commencement of Test-2 for 6th & 8th sem. 05/06/21 - Parent Teacher Meet. Last Teaching day for UG Engg 4th sem. 07/06/21 to 12/06/21 - Internal Practical Examination for 4th sem 09/06/21 - Display of Provisional Detention list. 12/06/21 - Answer sheet showing & sign, display of Test-2 marks (VI & VIII Sem). 16/06/21 to 30/06/21 - Commencement of ESE for 4th sem (Theory & Practical). 22/06/21 - Last Teaching day for 6th & 8th sem. 24/06/21 to 29/06/21 - Internal Practical Examination for 6th and 8th.
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
	20	21	22	23	24	25	26			
	27	28	29	30						
Jul-21					1	2	3	23	21/007 - Bakri Id	05/07/21 to 04/08/21 - Commencement of ESE for 6th & 8th sem (Theory & Practical).
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			
	18	19	20	21	22	23	24			
	25	26	27	28	29	30	31			
Aug-21	1	2	3	4	5	6	7	21	19/08 - Muharram	09/08 to 14/08 - Internal Academic Audit for all External Academic Audit
	8	9	10	11	12	13	14			
	15	16	17	18	19	20	21			
	22	23	24	25	26	27	28			
	29	30	31							

HOD,Civil Dept.

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KATOL ROAD, NAGPUR

An Autonomous Institute, with NAAC "A" Grade

Department of Electronics and Telecommunication Engineering

"Rectifying Ideas, Amplifying Knowledge"

2020-21 (Odd Sem)

VISION	MISSION
"To be a Department providing high quality & globally competent knowledge of concurrent technologies in the field of Electronics and Telecommunication."	1. To provide quality teaching learning process through well-developed educational environment and dedicated faculties. 2. To produce competent technocrats of high standards satisfying the needs of all stakeholders.

ACADEMIC CALENDAR FOR THE SESSION 2020-21 (EVEN)
w.e.f. 01/02/2021

MONTH	DAY							No. of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
Feb-21		1	2	3	4	5	6	21	19: Shivaji Maharaj Jayanti	1st:Commencement of 3rd sem (DSY) B. Tech. Classes 1st:Commencement of 1st sem M. Tech./MBA Classes 15th: Submission of Teaching Plan for 4th, 6th and 8th sem B. Tech. 15th: Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc. 15th: Commencement of 4th sem classes 22nd: Commencement of 6th and 8th sem (DBATU) B. Tech. Classes
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28									
Mar-21		1	2	3	4	5	6	23	11: Mahashivratri 29: Dhulivandan	10th: Review of Syllabus covered, Display of attendance & Provisional Detention List-1 10th: Student Feedback-1 12th : Analysis of Student Feedback & action taken on feedback 20th: Submission of assignment-1 (UG) 18th to 25th : Commencement of first periodic test for 4th sem 31st :Answer sheet showing & sign, display of sessional-1 marks (4th sem)
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28	29	30	31						
April-21					1	2	3	20	02: Good Friday 13: Gudipadwa 14: Dr. Ambedkar Jayanti 21: Shree Ram Navami	1st to 10th : Commencement of first periodic test for 6th & 8th sem 12th :Display of Time Table for MSE Exam for 4th Sem 15th : Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation 16th :Answer sheet showing & sign, display of sessional-1 marks (6th & 8th sem) 17th :Parent Teacher Meet 17th :Meetings of Teacher Guardians with students, Meetings of CRs with HOD 17th : Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office 17th : Review of Syllabus covered, Display of attendance & Provisional Detention
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			

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	18	19	20	21	22	23	24			List-2, Monthly HOD presentation (4th Sem) 19th :Commencement of 8th sem (RTMNU) B. Tech. Classes 19th to 27th :Commencement of MSE for 4th sem 19th to 27th : Student Feedback-2 (4th sem) 26th: Commencement of 4th sem (DSY) B. Tech. Classes
	25	26	27	28	29	30				
May-21							1	21	01: Maharashtra Day 14: Ramjan ED/ Akshay Trutiya 26: Buddha Pornima	1st :Display of Time Table for MSE Exam for 6th & 8th sem 1st : Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2(4th Sem) 5th :Display of Time Table for Test-2 Exam 4th sem 10th : Review of Syllabus covered, Display of attendance & Provisional Detention List-3(4th sem) 10th -15th : Student Feedback – D2 12th to 20th :Commencement of Test-2 for 4th sem 15th : Meetings of Teacher Guardians with students, Meetings of CRs with HOD 15th : Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office 17th :Monthly presentation of HOD's 16th-20th : Analysis of Student Feedback & action taken on feedback – D2 20th - Submission of assignment-1, Display of Time Table for MSE Exam for 4th Sem 24th :Review of Syllabus covered, Display of attendance & Provisional Detention List-3(6th & 8th sem) 13th to 22nd :Commencement of MSE for 6th & 8th sem 13th to 22nd :Student Feedback-2 (6th & 8th sem) 24th :Display of Time Table for Test-2 Exam 6th & 8th sem 25th :Answer sheet showing & sign, display of Test-2 marks (4th sem) 25th : Review of Syllabus covered, Display of attendance & Provisional Detention List-1- D2 27th – 03: Commencement of MSE 29th : Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2(6th & 8th sem) 29th : Parent Teacher Meet
	2	3	4	5	6	7	8			
	9	10	11	12	13	14	15			
	16	17	18	19	20	21	22			
	23	24	25	26	27	28	29			
	30	31								
Jun-21			1	2	3	4	5	24	Nil	1st to 8th :Commencement of Test-2 for 6th & 8th sem 5th : Parent Teacher Meet 5th : Last Teaching day for UG Engg 4th sem 06th : Answer sheet showing & sign, display of MSE marks-D2 9th : Display of Provisional Detention list (4th sem)
	6	7	8	9	10	11	12			

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

	13	14	15	16	17	18	19			22nd : Last Teaching day for 6th & 8th sem 12th : Answer sheet showing & sign, display of Test-2 marks (6th & 8th sem) 20th: Submission of assignment-2 – D2 26th :Display of Provisional Detention list(6th & 8th sem) 25th May to 5th June :Conduction of remedial classes for special students 7th to 12th :Internal Practical Examination for 4th sem 24th to 29th :Internal Practical Examination for 6th and 8th 16th to 30th :Commencement of ESE for 4th sem (Theory & Practical) 27th – 30th : Internal Practical Exam – D2 30th : Last Teaching day , Display of Provisional Detention list – D2
	20	21	22	23	24	25	26			
	27	28	29	30						
Jul-21					1	2	3	22	21: Bakri ED	5th July to 4th Aug : Commencement of ESE for 6th & 8th sem (Theory & Practical) 9th Aug to 14th Aug : Internal Academic Audit for all External Academic Audit
	4	5	6	7	8	9	10			
	11	12	13	14	15	16	17			
	18	19	20	21	22	23	24			
	25	26	27	28	29	30	31			

Prof. Avinash K. Ikhar
Academic Incharge

Prof. Neetu N. Gyanchandani
HOD (EN /ETC)

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	with HOD	
23	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	15/05/2021
24	Monthly presentation of HOD's	17/05/2021
25	Display of Time Table for Test-2 Exam 4th sem Display of Time Table for Test-2 Exam 6th & 8th sem	05/05/2021 24/05/2021
26	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	10/05/2021 (4th sem) 24/05/2021 (6th & 8th sem)
27	Commencement of Test-2 for 4th sem Commencement of Test-2 for 6th & 8th sem	12/05 to 20/05/2021 01/06 to 08/06/2021
28	Answer sheet showing & sign, display of Test-2 marks	25/05/2021 (4th sem) 12/06/2021 (6th & 8th sem)
29	Parent Teacher Meet	05/06/2021
30	Last Teaching day for UG Engg 4th sem Last Teaching day for 6th & 8th sem	05/06/2021 22/06/2021
31	Display of Provisional Detention list	09/06/2021 (4th sem) 26/06/2021 (6th & 8th sem)
32	Conduction of remedial classes for special students	25/05 to 05/06/2021
33	Internal Practical Examination for 4th sem Internal Practical Examination for 6th and 8th	07/06 to 12/06/2021 24/06 to 29/06/2021
34	Commencement of ESE for 4th sem (Theory & Practical) Commencement of ESE for 6th & 8th sem (Theory & Practical)	16/06 to 30/06/2021 05/07 to 04/08/2021
35	Internal Academic Audit for all External Academic Audit	09/08 to 14/08/2021 as per DBATU schedule

Dr. S. L. Haridas
Dean Academics
JDCOEM, Nagpur

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ACADEMIC CALENDAR FOR THE SESSION 2020-2021 (EVEN SEM)

For 4th (Regular), 6th & 8th(DBATU) Sem w.e.f. 15/2/2021

Sr. No.	ACTIVITY	DATES
1	Commencement of 1st sem B. Tech. Classes	**01/02/2021**
2	Commencement of 3rd sem (DSY) B. Tech. Classes	**01/02/2021**
3	Commencement of 1st sem M. Tech./MBA Classes	**01/02/2021**
4	Submission of Teaching Plan for 4th , 6th and 8th sem B. Tech.	**15/02/2021**
5	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	**15/02/2021**
6	Commencement of 4th sem classes Commencement of 6th and 8th sem (DBATU) B. Tech. Classes Commencement of 8th sem (RTMNU) B. Tech. Classes	**15/02/2020** **22/02/2021** **19/04/2021**
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	**10/03/2021**
8	Student Feedback-1	**10/03/2021**
9	Analysis of Student Feedback & action taken on feedback	**12/03/2021**
10	Submission of assignment-1 (UG)	**20/03/2020**
11	Commencement of first periodic test for 4th sem Commencement of first periodic test for 6th & 8th sem	**18/03 to 25/3/2021** **01/04 to 10/04/2021**
12	Answer sheet showing & sign, display of sessional-1 marks Answer sheet showing & sign, display of sessional-1 marks	**31/03/2021 (4th sem)** **16/04/2021 (6th & 8th sem)**
13	Parent Teacher Meet	**17/04/2021**
14	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	**17/04/2021**
15	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	**17/04/2021**
16	Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation (4th Sem)	**17/04/2021**
17	Review of Syllabus covered, Display of attendance & Provisional Detention List-2, Monthly HOD presentation	**15/04/2021**
18	Display of Time Table for MSE Exam for 4th Sem Display of Time Table for MSE Exam for 6th & 8th sem	**12/04/2021** **01/05/2021**
19	Commencement of MSE for 4th sem Commencement of MSE for 6th & 8th sem	**19/04 to 27/04/2021** **13/05 to 22/05/2021**
20	Student Feedback-2 (4th sem) Student Feedback-2 (6th & 8th sem)	**19/04 to 27/04/2021** **13/05 to 22/05/2021**
21	Answer sheet showing & sign, display of MSE marks, Analysis of feedback-2	01/05/2021 (4th Sem) 29/05/2021 (6th & 8th sem)
22	Meetings of Teacher Guardians with students, Meetings of CRs	15/05/2021

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ACADEMIC CALENDAR FOR THE SESSION 2020-2021 (EVEN SEM)

For 4th(D2) w.e.f. 26/4/2021

Sr. No.	ACTIVITY	DATES
1	Commencement of 4th sem (DSY) B. Tech. Classes	26/04/2021
2	Student Feedback	10-15/05/2021
3	Analysis of Student Feedback & action taken on feedback	16-20/05/2021
4	Submission of assignment-1, Display of Time Table for MSE Exam for 4th Sem	20/05/2020
5	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	25/05/2021
6	Parent Teacher Meet	29/05/2021
7	Commencement of MSE	27/05 to 03/06/2021
8	Answer sheet showing & sign, display of MSE marks	06/06/2021
9	Submission of assignment-2	20/06/2021
10	Last Teaching day , Display of Provisional Detention list	30/06/2021
11	Internal Practical Examination for 4th sem	As per convenience
12	Commencement of ESE for 4th sem (Theory & Practical)	01/07 to 08/07/2021

Dr. S. L. Haridas
Dean Academics
JDCOEM, Nagpur

Dr. S. V. Sonekar
Off. Principal
JDCOEM, Nagpur

Cc:-

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2. Deans/Hods/SHs/COE for information & necessary action .
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FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE

SEMESTER: SEVENTH (C.B.S.)

BRANCH: COMPUTER SCIENCE & ENGINEERING

Sr. No.	Subject	Workload				Credit				Marks				
										Theory		Practical		Total Marks
		L	P	T	Total	L	P	T	Total	Sess.	Univ.	Sess.	Uni.	
1 BECSE401T	Data Warehousing & Mining	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE401P	Data Warehousing & Mining Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
3 BECSE402T	Language Processor	4	-	1	5	4	-	1	5	20	80	-	-	100
4 BECSE402P	Language Processor Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
5 BECSE403T	ELECTIVE-I	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE404T	ELECTIVE-II	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE405P	Project and Seminar	-	3	-	3	-	3	-	3	-	-	25	25	50
	Total	**16**	**7**	**4**	**27**	**16**	**5**	**4**	**25**	**80**	**320**	**75**	**75**	**550**

Elective I: TCP and IP, Advanced Computer Architecture, Big Data Analysis & Business Intelligence, Parallel and Network Algorithm.

Elective II: Computational Geometry, Mobile Computing, Real Time Operating System, Software Architecture, Mainframe Technologies.

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FOUR YEAR BACHELOR OF ENGINEERING (B.E.) DEGREE COURSE

SEMESTER: EIGHTH (C.B.S.)

BRANCH: COMPUTER SCIENCE & ENGINEERING

Sr. No.	Subject	Workload				Credit				Marks				
										Theory		Practical		Total Marks
		L	P	T	Total	L	P	T	Total	Sess.	Univ.	Sess.	Uni.	
1 BECSE406T	Distributed Operating system	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE406P	Distributed Operating system Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
3 BECSE407T	Information & Cyber Security	4	-	1	5	4	-	1	5	20	80	-	-	100
4 BECSE407P	Information & Cyber Security Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
5 BECSE408T	ELECTIVE-III	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE409T	ELECTIVE-IV	4	-	1	5	4	-	1	5	20	80	-	-	100
7 BECSE410P	Project & Seminar	-	5	-	5	-	5	-	5	-	-	75	75	150
	Total	**16**	**9**	**4**	**29**	**16**	**7**	**4**	**27**	**80**	**320**	**125**	**125**	**650**

Elective III: Pattern Recognition, Soft Computing Techniques, Optimization Techniques, Clustering & Cloud Computing.

Elective IV: Advance Wireless Sensor Network, Digital Image Processing, Natural Language Processing, Digital Forensic.

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DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Semester - VII

Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	CA	MSE	ESE	
1	BTCOC701	Software Engineering	3	-	-	20	20	60	3
2	BTCOE702	**Elective - VIII** (A) Big Data Analytics (B) Distributed System (C) Fundamental of Digital Image Processing	3	-	-	20	20	60	3
3	BTCOE703	**Elective - IX** (A) Cloud Computing (B) Business Intelligence (C) Natural Language Processing	3	-	-	20	20	60	3
4	BTCOE704	**Open Elective - X** (A) Blockchain Technology (B) Computer Graphics (C) Embedded Systems (D) Design Thinking	3	-	-	20	20	60	3
5	BTCOL705	Full Stack Development (LAMP / MEAN)	1	-	2	60	-	40	2
6	BTCOL706	System Administration	1	-	2	60	-	40	2
7	BTCOL707	Elective – VIII Lab	-	-	2	60	-	40	1
8	BTCOL708	Elective – IX Lab	-	-	2	60	-	40	1
9	BTCOP709	Project phase - I	-	-	2	60	-	40	1
10	BTCOF609	Field Training / Internship / Industrial Training	-	-	-	-	-	50	1
		TOTAL	**14**	**-**	**10**	**380**	**80**	**490**	**20**

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KATOL ROAD, NAGPUR
SESSION 2020-21

Teaching scheme

Branch:Civil Engineering **Branch Code: CE**

1ST Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext.	Total	
1	HSMC	HU1T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	CE1T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	CE1T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU1L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	CE1L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	CE1L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Induction Programme	3 Weeks							
9	ESC	CE1T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**16**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext.	Total	
1	HSMC	HU2T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	CE2T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	CE2T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU2L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS2L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	CE2L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Societal Internship/ Field	Report submission						50	1
9	ESC	CE2T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**				800	**19**
				25							

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Teaching scheme

Branch code: CS

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics-I	3	1	0	20	20	60	100	4
3	BSC	CS1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	CS1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	CS1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	CS1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**18**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics-II	3	1	0	20	20	60	100	4
3	BSC	CS2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	CS2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	CS2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	CS2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field	Report submission						50	1
9	ESC	CS2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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Teaching Scheme

Branch Code:ET

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	ET1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	ET1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	ET1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	ET1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**18**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	ET2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	ET2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	EL2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	ET2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field	Report submission						50	1
9	ESC	ET2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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Teaching scheme

Branch:Artificial Intelligence	Branch Code: AI

1st Semester (AI)

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	AI1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	AI1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	AI1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	AI1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	AI1T008	Introduction to AI and its Application	2	0	0	10	15	25	50	Audit
				13	2	10					18

2nd Semester (AI)

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	AI2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	AI2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	AI2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	AI2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field Training	Report submission						50	1
9	ESC	AI2T009	Introduction to Drones	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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BOS,Chairman
Head of Department
Basic Science & Humanities Department
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Teaching scheme

Branch:Civil Engineering **Branch Code: CE**

1ST Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext.	Total	
1	HSMC	HU1T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	CE1T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	CE1T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU1L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	CE1L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	CE1L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Induction Programme	3 Weeks							
9	ESC	CE1T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**16**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext.	Total	
1	HSMC	HU2T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	CE2T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	CE2T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU2L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS2L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	CE2L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Societal Internship/ Field	Report submission						50	1
9	ESC	CE2T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**				800	**19**
				25							

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Teaching scheme

Branch:Mechanical Engineering	Branch Code: ME

1ST Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext.Pra.	Total	
1	HSMC	HU1T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	ME1T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	ME1T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU1L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	ME1L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	ME1L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Induction Programme	3 Weeks							
9	ESC	ME1T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**16**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	HSMC	HU2T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	ME2T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	ME2T006	Energy and Environment Engineering	3	0	0	20	20	60	100	3
5	ESC	WS2L001	Workshop Practices	0	0	4	60	0	40	100	2
6	HSMC	HU2L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
7	BSC	ME2L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Societal Internship/ Field Training	Report submission						50	1
9	ESC	ME2T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**19**
				25							

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Teaching scheme

Branch code: CS

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics-I	3	1	0	20	20	60	100	4
3	BSC	CS1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	CS1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	CS1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	CS1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**18**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics-II	3	1	0	20	20	60	100	4
3	BSC	CS2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	CS2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	CS2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	CS2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field	Report submission						50	1
9	ESC	CS2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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Teaching Scheme

Branch code: EE

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	EE2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	EE2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	EE2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	EE2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Induction Programme	3 Weeks							
9	ESC	EE2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**16**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	EE1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	EE1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	EE1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Societal Internship/ Field	Report submission						50	1
9	ESC	EE1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**19**
				25							

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Teaching Scheme

Branch Code:ET

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	ET1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	ET1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	ET1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	ET1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**18**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	ET2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	ET2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	EL2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	ET2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field	Report submission						50	1
9	ESC	ET2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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Education to Eternity

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J D COLLEGE OF ENGINEERING AND MANAGEMENT
KATOL ROAD, NAGPUR
SESSION 2020-21

Teaching scheme

Branch code: IT

1st Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	IT1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	IT1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	WS1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	IT1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	IT1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				13	**2**	**10**					**18**

2nd Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/ Ext. Pra.	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics-II	3	1	0	20	20	60	100	4
3	BSC	IT2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	IT2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	IL2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	IT2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field	Report submission						50	1
9	ESC	IT2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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KATOL ROAD, NAGPUR
SESSION 2020-21

Teaching scheme

Branch:Artificial Intelligence	Branch Code: AI

1st Semester (AI)

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	HU1T002	Introduction to Computer programming	2	0	0	20	20	60	100	2
2	BSC	MA1T001	Engineering Mathematics- I	3	1	0	20	20	60	100	4
3	BSC	AI1T005	Engineering Physics	3	1	0	20	20	60	100	4
4	ESC	AI1T006	Energy and Environment	3	0	0	20	20	60	100	3
5	HSMC	HU1L002	Introduction to Computer programming Lab	0	0	4	60	0	40	100	2
6	ESC	AI1L001	Workshop Practices	0	0	4	60	0	40	100	2
7	BSC	AI1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1
8			Induction Programme	3 Weeks							
9	ESC	AI1T008	Introduction to AI and its Application	2	0	0	10	15	25	50	Audit
				13	2	10					18

2nd Semester (AI)

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	HU2T001	Communication Skills	2	0	0	60	0	40	100	2
2	BSC	MA2T001	Engineering Mathematics- II	3	1	0	20	20	60	100	4
3	BSC	AI2T002	Engineering Chemistry	3	1	0	20	20	60	100	4
4	ESC	AI2T003	Engineering Graphics	1	0	0	20	20	60	100	1
5	HSMC	HU2L001	Communication Skills Lab.	0	0	4	60	0	40	100	2
6	BSC	AI2L002	Engineering Chemistry Lab	0	0	2	60	0	40	100	1
7	ESC	AI2L003	Engineering Graphics Lab	0	0	4	60	0	40	100	2
8			Societal Internship/ Field Training	Report submission						50	1
9	ESC	AI2T009	Introduction to Drones	2	0	0	10	15	25	50	Audit
				11	**2**	**10**					**17**
				23							

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BOS,Chairman
Head of Department
Basic Science & Humanities Department
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An Autonomous Institute, with NAAC "A" Grade
Affiliated to DBATU, RTMNU & MSBTE, Mumbai
Department of Civil Engineering
"Building Better Development"
Session 2020-21

॥ज्ञानम् सर्वार्थ साधनम्॥

VISION	MISSION
To be a well-known center for shaping professional leaders of Global Standards in Civil Engin	Provide quality education and excellent learning Environment for overall development of students. Making Sustainable efforts for integrating academics with Industry.

Teaching Scheme

Branch: Civil Engineering **Branch Code: CE**

III Semester

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	HSMC	CE3T001	Civil Engineering - Societal & Global Impact	2	0	0	20	20	60	100	2
2	BSC	CE3T002	Engineering Mathematics-III	2	1	0	20	20	60	100	4
3	ESC	CE3T003	Building Drawing and Drafting	2	1	0	20	20	60	100	3
4	ESC	CE3T004	Mechanics of Rigid bodies	2	1	0	20	20	60	100	4
5	ESC	CE3T005	Energy Science and Engineering	3	0	0	20	20	60	100	3
6	PCC	CE3T006	Basic Geology and Geotechnical Engineering	3	0	0	20	20	60	100	3

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7	ESC	CE3L001	Building Drawing and Drafting Lab	0	0	4	60	0	40	100	2
8	ESC	CE3L002	Mechanics of Rigid Bodies Lab	0	0	2	60	0	40	100	1
9	PCC	CE3L003	Basic Geology and Geotechnical Engineering Lab	0	0	2	60	0	40	100	1
10	PROJECT	CE3F004	Internship/Field Visit	0	0	0	0	0	50	50	1
11	MC	CE3T007	Innovation and Entrepreneurship Development	2	0	0	10	15	25	50	AU
				16	**3**	**8**					**24**

NOTE: Introduction of III & IV Semester scheme from session 2020-21.

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IV Semester											
Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE/Ext. Pra.	Total	
1	BSC	CE4T001	Life Science	2	0	0	20	20	60	100	2
2	PCC	CE4T002	Hydrology & Water Resource Engineering	2	1	0	20	20	60	100	3
3	PCC	CE4T003	Concrete Technology & Design of RCC Building Elements	2	1	0	20	20	60	100	3
4	PCC	CE4T004	Solid Mechanics	2	1	0	20	20	60	100	3
5	PCC	CE4T005	Surveying and Geomatics	2	0	0	20	20	60	100	2
6	PCC	CE4T006	Materials, Testing & Evaluation	2	0	0	20	20	60	100	2
7	PCC	CE4L001	Concrete Technology & Design of RCC Building Elements Lab	0	0	2	60	0	40	100	2
8	PCC	CE4L002	Solid Mechanics Lab	0	0	2	60	0	40	100	1
9	PCC	CE4L003	Surveying and Geomatics Lab	0	0	4	60	0	40	100	2
10	PROJECT	CE4F004	Internship/Field Visit II	0	0	0	0	0	50	50	1
11	MC	CE4T007	Universal Human Values	3	0	0	10	15	25	50	AU
				15	**3**	**8**					**21**

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2019-20

Semester- III

Sr. No.	Subject Code	Subject	Contact Hours			Credi
			L	T	P	
Theory						
01	BTBSC301	Mathematics – III	3	1	-	4
02	BTCVC302	Mechanics of Solids	3	1	✓	4
03	BTCVC303	Hydraulics I	2	1	✓	3
04	BTCVC304	Surveying I	2	1	✓	3
05	BTCVC305	Building Construction	2	-	✓	2
06	BTCVC306	Engineering Geology	2	-	✓	2
07	BTHM303	Soft Skills Development	2	-	-	AU
Practical / Drawing and/or Design						
08	BTCVL307	Hydraulics Laboratory I	-	-	2	1
09	BTCVL308	Surveying Laboratory I	-	-	2	1
10	BTCVL309	Building Construction - Drawings Laboratory	-	-	2	1
11	BTCVL310	Engineering Geology Lab	-	-	2	1
12	BTCVS311	Seminar on Topic of Field Visit to Foundation Work	-	-	1	AU
13	BTCVF312	Field Training / Internship/Industrial Training Evaluation (from semester II)	-	-	-	1
		Sub-Total	**16**	**4**	**09**	
		Total	**29**			**23**

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Semester- IV

Sr. No.	Subject Code	Subject	Contact Hours			Credit
			L	T	P	
Theory						
01	BTCVC401	Hydraulics II	2	1	✓	3
02	BTCVC402	Surveying – II	2	1	✓	3
03	BTCVC403	Structural Mechanics-I	3	1	-	4
04	BTID405	Product Design Engineering	1	2	-	3
05	CV E1	**Elective I**	3	-	-	3
06	BTCVC406	Engineering Management	1	-	-	AU
07	BTHM3401	Basic Human Rights	2	-	-	AU
Practical / Drawing and/or Design						
08	BTCVL407	Hydraulics Laboratory II	-	-	2	1
09	BTCVL408	Surveying Laboratory II	-	-	4	2
10	BTCVL409	Mechanics of Solids Laboratory	-	-	2	1
11	BTCVM410	Mini Project	-	-	2	1
12	BTCVF411	Seminar on Topic of Field Visit to works involving Superstructure Construction	-	-	1	1
		Sub-Total	**14**	**5**	**11**	
		Total	**31**			**22**
Elective I						
	BTCVE404A BTCVE404B BTCVE404C	Numerical Methods in Engineering Planning for Sustainable Development Instrumentation & Sensor Technologies for Civil Engineering Applications	3	-	-	3

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Course Structure and Syllabus

For

B. Tech. Information Technology Programme

Curriculum for Semester-III [Second Year]

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				
				L	T	P	CA	MSE	ESE	Total	Credit
1	HSMC	IT3T001	Organization Behavior	2	0	0	20	20	60	100	2
2	BSC	IT3T002	Mathematics-III	3	1	0	20	20	60	100	4
3	ESC	IT3T003	Digital Electronics & Fundamentals of Microprocessor	3	0	0	20	20	60	100	3
4	PCC	IT3T004	Computer Arhcitecture & Organsization	3	0	0	20	20	60	100	3
5	PCC	IT3T005	Data structure using OOPs	3	1	0	20	20	60	100	4
6	PCC	IT3T006	Computer Graphics	3	0	0	20	20	60	100	3
7	PCC	IT3L007	Data structure using OOPs(Lab)	0	0	2	60	0	40	100	1
8	ESC	IT3T008	Digital Electronics & Fundamentals of Microprocessor (Lab)	0	0	2	60	0	40	100	1
9	PCC	IT3L009	Computer Graphics (Lab)	0	0	2	60	0	40	100	1
10	PROJECT	IT3P010	Internship	0	0	0	0	0	0	0	1
11	UHV	IT3T011	Universal Human Values	2	0	0	15	10	25	50	Audit
				19	2	6	320	120	510	950	23

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

Course Structure and Syllabus

For

B. Tech. Information Technology Programme

Curriculum for Semester- IV [Second Year]

Sr. No.	Category of	Course Code	Course Name	Teachin			Evaluation				
				L	T	P	CA	MSE	ESE	Total	Credit
1	PCC	IT4T001	Theory of Computation	3	1	0	20	20	60	100	4
2	PCC	IT4T002	Java Programming	3	0	0	20	20	60	100	3
3	PCC	IT4T003	Operating System	3	0	0	20	20	60	100	3
4	PCC	IT4T004	Computer Networks	2	1	0	20	20	60	100	3
5	PCC	IT4T005	DBMS	3	0	0	20	20	60	100	3
6	PCC	IT4T006	Discrete Mathematics & Graph Theory	3	0	0	20	20	60	100	3
7	PCC	IT4L007	DBMS(Lab)	0	0	2	60	0	40	100	1
8	PCC	IT4L008	Computer Networks(Lab)	0	0	2	60	0	40	100	1
9	PCC	IT4L009	Java Programming(Lab)	0	0	2	60	0	40	100	1
10	MC	IT4L010	Consumer Affairs	2	0	0	15	10	25	50	Audit
				19	2	6	300	120	530	950	22

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Teaching and Evaluation Scheme Final year B. Tech. (Information Technology)

Sr. No	Code	Course title	Weekly Teaching hours			Evaluation Scheme			Credit	Total Hours
			L	T	P	MSE	CA	ESE		
Semester VII										
1	BTIT701	Cloud Computing and Storage Management	2	-	-	20	20	60	2	2
2	BTITDE702	Open / Departmental Elective - Group 3	3	-	-	20	20	60	3	3
3	BTIT DE703	Open / Departmental Elective - Group 4	3	-	-	20	20	60	3	3
4	BTIT SE704	Stream Elective - Group 3	3	-	-	20	20	60	3	3
5	BTITL705	Cloud Computing and Storage Management Lab	-	-	2		25	25	1	2
6	BTITDEL706	Open / Departmental Elective - Group 3 Lab	-	-	2	-	25	25	1	2
7	BTITSEL707	Stream Elective - Group 3 Lab	-	-	2	-	25	25	1	2
8	BTITP708	Project Phase I	-	-	8	-	50	50	4	8
9	BTIT709	Industrial Training Assessment	-	-	-	-	-	50	2	-
Summary of Semester Assessment Marks, Credit & Hours			**11**	**-**	**14**	**80**	**205**	**415**	**20**	**25**
Semester VIII										
1	BTIT DE801	Open/Departmental Elective - Group 5	3	-	-	20	20	60	3	3
2	BTITSE802	Stream Elective - Group4	3	-	-	20	20	60	3	3
3	BTIT SE803	Stream Elective - Group 5	3	-	-	20	20	60	3	3
4	BTITSE804	Stream Elective - Group 6	3	-	-	20	20	60	3	3
5	BTITDEL805	Open/Departmental Elective - Group 5 Lab	-	-	2		25	25	1	2
7	BTITSEL806	Stream Elective - Group 4 Lab	-	-	2	-	25	25	1	2
8	BTITSEL807	Stream Elective - Group 6 Lab	-	-	2	-	25	25	1	2
9	BTITP808	Project Phase II	-	-	12		50	50	5	12
Summary of Semester Assessment Marks, Credit & Hours			**12**	**-**	**18**	**80**	**205**	**365**	**20**	**30**

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An Autonomous Institute, with NAAC "A" Grade
Department Of Electrical Engineering
"Igniting minds to illuminate the world"
2020-21 (Odd Sem)

VISION	MISSION
"To be the eminent department known for producing globally proficient electrical graduates possessing finest human values, to achieve sustainable socio-economic development"	1. To transform students into academically and technically sound electrically sound engineers. 2. To enhance teaching learning process by dedicated qualified professionals. 3. To promote research and development with current techniques through well developed educational environment.

Teaching Scheme

Branch code: EE

III Semester

Sr. No.	Subject Category	Subject Code	Course Title	Teaching Scheme			Evaluation Scheme				Credits
				L	T	P	CA	MSE	ESE	TOTAL	
1	HSMC	EE3T001	Engineering Economics	2	0	0	20	20	60	100	2
2	BSC	EE3T002	Engineering Mathematics –III	3	1	0	20	20	60	100	4
3	ESC	EE3T003	Theory of electrical engineering	3	1	0	20	20	60	100	4
4	PCC-EE	EE3T004	Network Analysis and synthesis	3	0	0	20	20	60	100	3
5	PCC-EE	EE3T005	Electrical Machine I	2	1	0	20	20	60	100	3
6	PCC-EE	EE3T006	Measurement and Instrumentation	2	1	0	20	20	60	100	3
7	PCC-EE	EE3L004	Network Analysis and synthesis Lab	0	0	2	60	0	40	100	1
8	PCC-EE	EE3L005	Electrical Machine I Lab	0	0	2	60	0	40	100	1
9	PCC-EE	EE3L006	Measurement and Instrumentation Lab	0	0	2	60	0	40	100	1
10	PROJ-EE	EE3P001	Field trainning/ Internship/ industrial visit	0	0	0	0	0	50	50	1
11	MC	EE3T007	Innovation and entrepreneurship Development	2	0	0	10	15	25	50	Audit
				17	**4**	**6**	**310**	**135**	**555**	**1000**	
								Total Credits			**23**

IV Semester

Sr. No.	Subject Category	Subject Code	Course Title	Teaching Scheme			Evaluation Scheme				Credits
				L	T	P	CA	MSE	ESE	**TOTAL**	
1	HSMC	EE4T001	Constitution of India	2	0	0	20	20	60	100	2
2	BSC	EE4T002	Numerical method and probability	2	1	0	20	20	60	100	3
3	ESC	EE4T003	Power Station Practice	4	0	0	20	20	60	100	4
4	PCC-EE	EE4T004	Electronic Devices and circuits	3	0	0	20	20	60	100	3
5	PCC-EE	EE4T005	Power System I	2	1	0	20	20	60	100	3
6	PCC-EE	EE4T006	Electrical Machine II	3	0	0	20	20	60	100	3
7	BSC	EE4L002	Numerical method and probability Lab	0	0	2	60	0	40	100	1
8	PCC-EE	EE4L005	Power System I Lab	0	0	2	60	0	40	100	1
9	PCC-EE	EE4L006	Electrical Machine II Lab	0	0	2	60	0	40	100	1
10	PROJ-EE	EE4P002	Field trainning/ Internship/ industrial visit	0	0	0	0	0	50	50	1
11	MC	EE4T007	Universal Human Values	2	0	0	10	15	25	50	Audit
				18	**2**	**6**	**310**	**135**	**555**	**1000**	
								Total Credits			**22**

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

Dr.S.R.Vaishnav
Chairman
Board of Studies, EE Dept

Teaching & Evaluation scheme of Third year B. Tech. Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engg .

V Semester

Course Code	Course Name	Teaching Scheme			Evaluation Scheme				
		L	P	T	Int	MSE	ESE	Total	Credits
BTEEC501	Electrical Machine-II	3	0	1	20	20	60	100	4
BTEEC502	Power System-II	3	0	1	20	20	60	100	4
BTEEL503	Microprocessor and micro Controller	3	0	0	20	20	60	100	3
BTHM504	Value Education, Human Rights and Legislative Procedures [MOOC/Swayam/NPTEL]	2	0	0	-	-	-	Audit course	0
BTEEE505	Elective-IV	3	0	0	20	20	60	100	**3**
BTEEOE506	Elective-V	3	0	0	20	20	60	100	**3**
BTEEL507	Electrical Machine-II Lab	0	4	0	**60**	-	**40**	100	**2**
BTEEL508	Power System-II Lab	0	2	0	**30**	-	**20**	50	**1**
BTEEL509	Microprocessor and micro Controller Lab	0	2	0	**30**	-	**20**	50	**1**
BTEEF510	Industrial Training	-	-	-	**50**	-	-	50	**1**
	Total	17	08	02	**270**	**100**	**380**	750	**22**

Elective- IV: 1.Illumination engineering 2. Advances in Renewable Energy Sources. 3. Testing and Maintenance of Electrical equipment.

Elective-V: 1.Electrical Mobility. 2 Power Plant Engineering. 3. Design and Analysis of Algorithms

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VI semester

Course Code	Course Name	Teaching Scheme			Evaluation Scheme				
		L	P	T	Int	MSE	ESE	Total	Credits
BTEEC601	Control System	3	0	1	20	20	60	100	4
BTEEC602	Principles of Electrical Machine Design	3	0	0	20	20	60	100	3
BTEEC603	Power Electronics	3	0	1	20	20	60	100	4
BTEEE604	Elective-VI	3	0	0	20	20	60	100	3
BTEEC605	Elective-VII	3	0	0	20	20	60	100	**3**
BTEEOE606	Elective-VIII [MOOC/Swayam/NPTEL]	3	0	0	20	20	60	100	**3**
BTEEL607	Control System- Lab	0	2	0	30	-	20	50	**1**
BTEEL608	Principles of Electrical Machine Design Lab	0	2	0	30	-	20	50	**1**
BTEEL609	Power Electronics Lab	0	4	0	60	-	40	100	**2**
	Total	18	08	02	**240**	**120**	**440**	800	**24**

Elective-VI Industrial automation and Control 2. Design of Experiments 3. Artificial neural network.
Elective-VII 1. Switch Gear and Protection 2. Computer aided analysis and design 3. Mechatronics
Elective- VIII. 1. Rural Technology and Community Development. 2. Project Management 3. Knowledge Management

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

Dr. Babasaheb Ambedkar Technological University, Lonere.

B.Tech (Electrical Engineering / Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engineering)

Curriculum for Semester VII [Final Year]

Sr. No.	Course Code	Type of Course	Course Title	Hours per week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEEC701	PCC1	Power System Operation & Control	3	0	0	20	20	60	100	3
2	BTEEC702	PCC2	High Voltage Engineering	3	0	0	20	20	60	100	3
3	BTEEC703	PCC3	Electrical Drives	3	0	0	20	20	60	100	3
4	BTEEE704	PEC1	Elective-IX	3	0	0	20	20	60	100	3
5	BTEEE705	PEC2	Elective-X	3	0	0	20	20	60	100	3
6	BTEEL706	Lab	Power System Operation & Control Lab	0	0	2	--	30	20	50	1
7	BTEEL707	Lab	High Voltage Engineering Lab	0	0	2	--	30	20	50	1
8	BTEEL708	Lab	Electrical Drives Lab	0	0	2	--	30	20	50	1
9	BTEES709	Seminar	Seminar	0	0	2	--	30	20	50	1
10	BTEEP710	Project	Project Part-I	0	0	6	--	30	20	50	3
11	BTEEF711	--	Field Training /Internship/Industrial Training III	--	--	--	--	--	50	50	1
			Total	**15**	**0**	**14**	**100**	**250**	**450**	**800**	**23**

Elective-IX	Elective-X
A) Special Purpose Electrical Machines	A) Digital Signal Processing
B) Electrical Traction and Utilization	B) Energy Audit and Conservation
C) Engineering System Design and Optimization	C) Electrical Power Quality
D) Financial Management	D) HVDC Transmission and FACTS

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SESSION 2021-22

3'[u] Semester Mechanical Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				
				L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	MET301	Applied Maths-III	3	1	0	20	20	60	100	4
2	ESC	MET302	Rigid Body Mechanics	3	0	0	20	20	60	100	3
3	PCC	MET303	Material Science & Metallurgy	3	0	0	20	20	60	100	3
4	PCC	MET304	Engineering Thermodynamics	3	0	0	20	20	60	100	3
5	PCC	MET305	Theory Of Machines-I	3	1	0	20	20	60	100	4
6	PCC	MET306	Manufacturing Engineering-I	3	0	0	20	20	60	100	3
7	PCC	MEL303	Material Science & Metallurgy Lab	0	0	2	60	0	40	100	1
8	PCC	MEL306	Manufacturing Engineering-I Lab	0	0	2	60	0	40	100	1
9	ESC	MEL307	Machine Drawing and Computer Graphics	1	0	2	60	0	40	100	2
10	PROJECT	MEI 308	Industrial Visit	0	0	0	0	0	50	50	1
11	MC	MET309	Innovation and Entrepreneurship Development	2	0	0	10	15	25	50	Audit
				21	**3**	**6**	**310**	**135**	**555**	**1000**	**25**

4[th]Semester Mechanical Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				
				L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	MET401	Numerical Method	3	1	0	20	20	60	100	4
2	ESC	MET402	Basic Electronic Engineering	3	1	0	20	20	60	100	4
3	ESC	MEL403	Product Design and Development	3	0	0	20	20	60	100	3
4	PCC	MET404	Manufacturing Engineering-II	3	0	0	20	20	60	100	3
5	PCC	MET405	Strength Of Materials	3	0	0	20	20	60	100	3
6	PCC	MET406	Fluid Mechanics & Fluid Machines	3	1	0	20	20	60	100	4
7	PCC	MEL404	Manufacturing Engineering Lab	0	0	2	60	0	40	100	1
8	PCC	MEL405	Strength Of Materials Lab	0	0	2	60	0	40	100	1
9	PCC	MEL406	Fluid Mechanics & Fluid Machines Lab	0	0	2	60	0	40	100	1
10	PROJECT	MEF407	Field Training/Internship	0	0	0	0	0	50	50	1
11	MC	MET408	Universal Human Value	2	0	0	10	15	25	50	Audit
				20	**4**	**6**	**310**	**135**	**555**	**1000**	**25**

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

B. Tech. Mechanical Engineering

Course Structure for Semester V [Third Year] w.e.f. 2019-2020

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC501	PCC 12	Heat Transfer	3	1	--	20	20	60	100	4
BTMEC502	PCC 13	Applied Thermodynamics – I	2	1	--	20	20	60	100	3
BTMEC503	PCC 14	Machine Design – I	2	1	--	20	20	60	100	3
BTMEC504	PCC 15	Theory of Machines-II	3	1	--	20	20	60	100	4
BTMEC505	PCC 16	Metrology and Quality Control	2	1	--	20	20	60	100	3
BTID506	PCC 17	Product Design Engineering - II	1	--	2	60	--	40	100	2
BTMEC506A	OEC 2	Automobile Engineering	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC506B		Nanotechnology								
BTMEC506C		Energy Conservation and Management								
BTMEL507	PCC 18	Heat Transfer Lab	--	--	2	30	--	20	50	1
BTMEL508	PCC 19	Applied Thermodynamics Lab	--	--	2	30	--	20	50	1
BTMEL509	PCC 20	Machine Design Practice- I	--	--	2	30	--	20	50	1
BTMEL510	PCC 21	Theory of Machines Lab- II	--	--	2	30	--	20	50	1
BTMEF511	Project 2	Field Training /Internship/Industrial Training II	--	--	--	--	--	50	50	1
		Total	16	5	10	280	100	470	850	24

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J D COLLEGE OF ENGINEERING & MANAGEMENT * NAGPUR *

B. Tech. Mechanical Engineering

Course Structure for Semester VI [Third Year] w.e.f. 2019-2020

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC601	PCC 22	Manufacturing Processes- II	2	1	--	20	20	60	100	3
BTMEC602	PCC 23	Machine Design-II	3	1	--	20	20	60	100	4
BTMEC603	PCC 24	Applied Thermodynamics- II	2	1	--	20	20	60	100	3
BTMEC604A	PEC 1	Engineering Tribology	2	1	--	20	20	60	100	3
BTMEC604B		IC Engines								
BTMEC604C		Additive Manufacturing								
BTMEC604D		Mechanical Measurements								
BTMEC605A	OEC 3	Quantitative Techniques in Project Management	3	--	--	20	20	60	100	3
BTMEC605B		Sustainable Development								
BTMEC605C		Renewable Energy Sources								
BTMEC606A	OEC 4	Biology for Engineers	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC606B		Solar Energy								
BTMEC606C		Human Resource Management								
BTMEL607	PCC 25	Metrology and Quality Control Lab	--	--	2	30	--	20	50	1
BTMEL608	PCC 26	Machine Design Practice-II	--	--	2	30	--	20	50	1
BTMEL609	PCC 27	IC Engine Lab	--	--	2	30	--	20	50	1
BTMEL610	PCC 28	Refrigeration and Air Conditioning Lab	--	--	2	30	--	20	50	1
BTMEM611	Project 3	Technical Project for Community Services	--	--	4	30	--	20	50	2
		Total	15	4	12	250	100	400	750	22

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B. Tech. Mechanical Engineering

Course Structure for Semester VII [Fourth Year] w.e.f. 2020-2021

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC701	PCC 29	Mechatronics	2	1	--	20	20	60	100	3
BTMEC702	PCC 30	CAD/CAM	2	1	--	20	20	60	100	3
BTMEC703	PCC 31	Manufacturing Processes - III	2	1	--	20	20	60	100	3
BTMEC704A	PEC 2	Fluid Machinery	2	1	--	20	20	60	100	3
BTMEC704B		Industrial Engineering and Management								
BTMEC704C		Finite Element Method								
BTMEC704D		Surface Engineering								
BTMEC704E		Refrigeration and Air Conditioning								
BTAMC704C		Automobile Design (Product Design, PLM, CAE, Catia)								
BTMEC705A	OEC 5	Engineering Economics	3	--	--	--	--	--	--	Audit (AU/ NP)
BTMEC705B		Intellectual Property Rights								
BTMEC705C		Wind Energy								
BTMEC705D		Knowledge Management								
BTMEL706	PCC 32	Manufacturing Processes Lab - II	--	--	2	30	--	20	50	1
BTMEL707	PCC 33	Mechatronics Lab	--	--	2	30	--	20	50	1
BTMEL708	PCC 34	CAD/CAM Lab	--	--	2	30	--	20	50	1
BTMES709	Project 4	Seminar	--	--	2	30	--	20	50	1
BTMEF710	Project 5	Field Training /Internship/Industrial Training III	--	--	--	--	--	50	50	1
BTMEP711	Project 6	Project Stage-I**	--	--	6	30	--	20	50	3
		Total	11	4	14	230	80	390	700	20

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***In case of students opting for Internship in the eighth semester, the Project must be industry-based.*

B. Tech. Mechanical Engineering

Course Structure for Semester VIII [Fourth Year] w.e.f. 2020-2021

Course Code	Type of Course	Course Title	Weekly Teaching Scheme			Evaluation Scheme				Credits
			L	T	P	CA	MSE	ESE	Total	
BTMEC801A	PEC 3	Biomechanics	2	1	--	20	20	60	100	3
BTMEC801B		Power Plant Engineering								
BTMEC801C		Robotics								
BTMEC801D		Tool Design								
BTAMC801C		Body - In - White & Trims								
BTMEC802A	PEC 4	Product Life Cycle Management	2	1	--	20	20	60	100	3
BTMEC802B		Machine Tool Design								
BTMEC802C		Tool Condition Monitoring								
BTMEC802D		Mechanical Vibration								
BTMEC802E		Steam and Gas Turbines								
BTMEC803A	PEC 5	Non-conventional Machining	2	1	--	20	20	60	100	3
BTMEC803B		Cryogenic Systems								
BTMEC803C		Process Equipment Design								
BTMEC804A	PEC 6	Design of Piping Systems	2	1	--	20	20	60	100	3
BTMEC804B		Advanced IC Engines								
BTMEC804C		Design of Air Conditioning Systems								
BTMEC804D		Sheet Metal Engineering								
BTMEC805A	OEC 6	Design of Experiments	2	1	--	20	20	60	100	3
BTMEC805B		Entrepreneurship Development								
BTMEC805C		Plant Maintenance								
BTMEP806	Project 7	Project Stage-II	--	--	12	50	--	100	150	6
		Total	10	5	12	150	100	400	650	21

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Dr. Babasaheb Ambedkar Technological University, Lonere.

B. Tech (Electronics Engineering)
Proposed Curriculum for Semester V [Third Year]

S. N.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEXC501	Professional Core Course 1	Electromagnetic Field Theory	2	1	0	20	20	60	100	3
2	BTEXC502	Professional Core Course 2	Control System Engineering	2	1	0	20	20	60	100	3
3	BTEXC503	Professional Core Course 3	Microelectronics	3	0	0	20	20	60	100	3
4	BTEXC504	Professional Core Course 4	Digital Signal Processing	2	1	0	20	20	60	100	3
5	BTEXC505	Professional Core Course 5	Microcontroller and its Applications	3	0	0	20	20	60	100	3
6	BTEXPE506A	Program Elective Course 1	Probability Theory and Random Processes	3	0	0	20	20	60	100	3
	BTEXPE506B		NSQF (Level 7 Course)								
	BTEXPE506C		Data Structures and Algorithms Using Java Programming								
	BTEXPE506D		Introduction to MEMS								

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	BTEXPE506E		Audio and Video Processing								
7	BTEXL507	Control System Engineering Lab		0	0	2	--	30	20	50	1
8	BTEXL508	Digital Signal Processing Lab		0	0	2	--	30	20	50	1
9	BTEXL509	Microcontroller and its Applications Lab		0	0	2	--	30	20	50	1
10	BTEXP510	Mini Project		0	0	2	--	30	20	50	1
11	BTEXS511	Seminar		0	0	2	--	30	20	50	1
12	BTEXF412	Field Training/ Internship/Industrial Training Evaluation		--	--	--	--	--	50	50	1
			Total	**15**	**03**	**10**	**120**	**270**	**510**	**900**	**24**

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Dr. Babasaheb Ambedkar Technological University, Lonere.

B. Tech (Electronics Engineering)

Proposed Curriculum for Semester VI [Third Year]

S.N.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEXC601	Professional Core Course 1	Computer Architecture	3	0	0	20	20	60	100	3
2	BTEXC602	Professional Core Course 2	Power Electronics	3	0	0	20	20	60	100	3
3	BTEXPE603A	Program Elective Course 2	Digital Communication	3	0	0	20	20	60	100	3
	BTEXPE603B		Computer Network and Cloud Computing								
	BTEXPE603C		Nano Electronics								
	BTEXPE603D		Web Development and Design								
4	BTEXOE604A	Open Elective Course 1	Digital System Design	3	0	0	20	20	60	100	3
	BTEXOE604B		Neural Networks and Fuzzy Systems								
	BTEXOE604C		NSQF (Level 7 Course)								
	BTEXOE604D		Analog Integrated Circuit Design								
5	BTEXOE605A	Open Elective Course 2	Embedded System Design	2	0	0	20	20	60	100	2
	BTEXOE605B		Electronics System Design								

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	BTEXOE605C		Project Management and Operation Research								
	BTEXOE605D		Android Programming								
6	BTHM606	Humanities & Social Science including Management Courses	Employability & Skill Development	2	0	0	--	50	0	50	2
7	BTEXL607	Power Electronics Lab		0	0	2	--	30	20	50	1
8	BTEXL608	Program Elective Course 2 Lab		0	0	2	--	30	20	50	1
9	BTEXL609	Open Elective Course 1 Lab		0	0	2	--	30	20	50	1
10	BTEXP610	Community Project		0	0	2	--	30	20	50	1
11	BTEXS611	Seminar		0	0	2	--	30	20	50	1
12	BTEXF612	Field Training/ Internship/Industrial Training (Minimum 4 weeks)		--	--	--	--	--	--	--	1*
			Total	**16**	**0**	**10**	**100**	**300**	**400**	**800**	**21**

Program Elective 2	Open Elective 1	Open Elective 2
(A) Digital Communication	(A) Digital System Design	(A) Embedded System Design
(B) Computer Network and Cloud Computing	(B) Neural Networks and Fuzzy Systems	(B) Electronics System Design
(C) Nano Electronics	(C) NSQF (Level 7 Course)	(C) Project Management and Operation Research
(D) Web Development and Design	(D) Analog Integrated Circuit Design	(D) Android Programming

* To be evaluated in VIIth Semester

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B. Tech (Electronics Engineering)
Proposed Curriculum for Semester VII [Final Year]

S.N.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEXC701	Professional Core Course 1	Antennas and Wave Propagation	3	0	0	20	20	60	100	3
2	BTEXPE702	Program Elective 3	Group A	3	0	0	20	20	60	100	3
3	BTEXPE703	Program Elective 4	Group B	3	0	0	20	20	60	100	3
4	BTEXPE704	Program Elective 5	Group C	3	0	0	20	20	60	100	3
5	BTHM705	Humanities & Social Science including Management Courses	Financial management	2	0	0	--	50	--	50	2
6	BTEXL706	Program Elective 3 Lab		0	0	2	--	30	20	50	1
7	BTEXL707	Program Elective 4 Lab		0	0	2	--	30	20	50	1
8	BTEXL708	Program Elective 5 Lab		0	0	2	--	30	20	50	1
9	BTEXP709	Project Part-I		0	0	8	--	50	50	100	4
10	BTEXS710	Seminar		0	0	2	--	30	20	50	1
11	BTEXF612	Field Training/ Internship/Industrial Training Evaluation		--	--	--	--	--	50	50	1
			Total	**14**	**0**	**16**	**80**	**300**	**420**	**800**	**23**

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Program Elective 3 (Group A)	Program Elective 4 (Group B)	Program Elective 5 (Group C)
(A) Digital Image Processing	(A) IOT 4.0	(A) Microwave Theory & Techniques
(B) Data Compression and Encryption /Cryptography	(B) Wireless Sensor Networks	(B) Satellite Communication
(C) NSQF (Level 7 Course)	(C) CMOS Design	(C) Fiber Optic Communication
(D) Parallel Processing	(D) Process Instrumentation	(D) Wireless Communication

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"Rectifying Ideas, Amplifying Knowledge"
Session: 2020-21

Course Structure and Syllabus (Autonomous)

For

Third Semester B. Tech. in Electronics and Telecommunication Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC	ET3T001	Multivariate Calculus	2	1	0	20	20	60	100	3
2	ESC	ET3T002	Electronic Devices & Circuits-I	3	1	0	20	20	60	100	4
3	PCC	ET3T003	Analog communication system	2	1	0	20	20	60	100	3
4	PCC	ET3T004	Digital Circuits and microprocessor	2	1	0	20	20	60	100	3
5	PCC	ET3T005	Integrated circuit and application	3	1	0	20	20	60	100	4
6	PCC	ET3T006	Network synthesis and analog filter	2	1	0	20	20	60	100	3
7	ESC	ET3L002	Electronic Devices & Circuits-I lab	0	0	2	60	0	40	100	1
8	PCC	ET3L003	Analog communication system lab	0	0	2	60	0	40	100	1
9	PCC	ET3L004	Digital Circuits and microprocessor Lab	0	0	2	60	0	40	100	1
10	Internship	ET3F007	Field Training-1	0	0	0	0	0	50	50	1
11	MC	ET3T008	Innovation and Entrepreneurship Development	2	0	0	10	15	25	50	Audit
			Total	**16**	**6**	**6**	**310**	**135**	**555**	**1000**	**24**

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Session: 2020-21

Course Structure and Syllabus (Autonomous)

For

Fourth Semester B. Tech. in Electronics and Telecommunication Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	BSC	ET4T001	Partial differential equation and Numerical Methods	2	1	0	20	20	60	100	3
2	ESC	ET4T002	Basics of Python Programming	3	0	0	20	20	60	100	3
3	ESC	ET4T003	Electrical Machines and Instruments	2	1	0	20	20	60	100	3
4	ESC	ET4T004	Electronic Devices and circuits-II	2	1	0	20	20	60	100	3
5	PCC	ET4T005	Signal and system	3	0	0	20	20	60	100	3
6	PCC	ET4T006	Electromagnetic Field	3	1	0	20	20	60	100	4
7	ESC	ET4L003	Electrical Machines and Instruments lab	0	0	2	60	0	40	100	1
8	ESC	ET4L004	Electronic Devices and circuits-II	0	0	2	60	0	40	100	1
9	PCC	ET4L005	Signal and system lab	0	0	2	60	0	40	100	1
10	Internship	ET4F006	Field Training-2	0	0	0	20	0	30	50	1
11	MC	ET4T007	Universal Human Values	2	0	0	10	15	25	50	Audit
			Total	**17**	**4**	**6**	**330**	**135**	**535**	**1000**	**23**

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Dr. Babasaheb Ambedkar Technological University, Lonere.

B. Tech (Electronics & Telecommunication Engineering)
Proposed Curriculum for Semester V [Third Year]

Sr. No.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTEXC501	Professional Core Course 1	Electromagnetic Field Theory	2	1	0	20	20	60	100	3
2	BTEXC502	Professional Core Course 2	Control System Engineering	3	0	0	20	20	60	100	3
3	BTETC503	Professional Core Course 3	Computer Architecture	3	0	0	20	20	60	100	3
4	BTEXC504	Professional Core Course 4	Digital Signal Processing	2	1	0	20	20	60	100	3
5	BTEXC505	Professional Core Course 5	Microcontroller and its Applications	3	0	0	20	20	60	100	3
6	BTEXPE506A	Program Elective Course 1	Probability Theory and Random Processes	3	0	0	20	20	60	100	3
	BTEXPE506B		NSQF (Level 7 Course)								
	BTEXPE506C		Data Structure & Algorithms Using Java Programming								
	BTEXPE506D		Introduction to MEMS								

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7	BTETL507	Control System Engineering Lab	0	0	2	--	30	20	50	1
8	BTETL508	Digital Signal Processing Lab	0	0	2	--	30	20	50	1
9	BTETL509	Microcontroller and its Applications Lab	0	0	2	--	30	20	50	1
10	BTETP510	Mini Project	0	0	2	--	30	20	50	1
11	BTETS511	Seminar	0	0	2	--	30	20	50	1
12	BTEXF412	Field Training/ Internship/Industrial Training Evaluation	--	--	--	--	--	50	50	1
		Total	**16**	**02**	**10**	**120**	**270**	**510**	**900**	**24**

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Dr. Babasaheb Ambedkar Technological University, Lonere.

B. Tech (Electronics & Telecommunication Engineering)
Proposed Curriculum for Semester VI [Third Year]

Sr. No.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTETC601	Professional Core Course 1	Antennas and Wave Propagation	3	0	0	20	20	60	100	3
2	BTETC602	Professional Core Course 2	Computer Network & Cloud Computing	3	0	0	20	20	60	100	3
3	BTETC603	Professional Core Course 3	Digital Image Processing	3	0	0	20	20	60	100	3
4	BTETPE604A	Program Elective Course 2	CMOS Design	3	0	0	20	20	60	100	3
	BTETPE604B		Information Theory and Coding								
	BTETPE604C		Power Electronics								
	BTETPE604D		Nano Electronics								
	BTETPE604E		NSQF (Level 7 Course)								
	BTETPE604F		Android Programming								
5	BTETOE605A	Open Elective Course 1	Digital System Design	3	0	0	20	20	60	100	3
	BTETOE605B		Optimization Techniques								
	BTETOE605C		Project Management and Operation Research								

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	BTETOE605D		Augmented, Virtual and Mixed Reality								
	BTETOE605E		Python Programming								
	BTETOE605F		Web Development and Design								
6	BTHM606	Humanities & Social Science including Management Courses	Employability & Skill Development	2	0	0	20	20	60	100	2
7	BTETL607	Computer Network & Cloud Computing Lab		0	0	2	--	30	20	50	1
8	BTETL608	Program Elective 2 Lab		0	0	2	--	30	20	50	1
9	BTETL609	Open Elective 1 Lab		0	0	2	--	30	20	50	1
10	BTETP610	Mini-project		0	0	2	--	30	20	50	1
11	BTETF611	Field Training/ Internship/ Industrial Training (Minimum 4 weeks)		--	--	--	--	--	--	--	1* (To be evaluated in VIIth Semester)
			Total	**17**	**0**	**8**	**120**	**240**	**440**	**800**	**21**

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Program Elective 2	Open Elective 1
(A) CMOS Design	(A) Digital System Design
(B) Information Theory and Coding	(B) Optimization Techniques
(C) Power Electronics	(C) Project Management and Operation Research
(D) Nano Electronics	(D) Augmented, Virtual and Mixed Reality
(E) NSQF (Level 7 Course)	(E) Python Programming
(F) Android Programming	(F) Web Development and Design

* To be evaluated in VIIth Semester

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Dr. Babasaheb Ambedkar Technological University, Lonere.

B. Tech (Electronics & Telecommunication Engineering)
Proposed Curriculum for Semester VII [Final Year]

Sr. No.	Course Code	Type of Course	Course Title	Hours Per Week			Evaluation Scheme			Total Marks	Credits
				L	T	P	MSE	CA	ESE		
1	BTETC701	Professional Core Course 1	Digital Communication	3	0	0	20	20	60	100	3
2	BTETPE702	Program Elective 3	Group A	3	0	0	20	20	60	100	3
3	BTETPE703	Program Elective 4	Group B	3	0	0	20	20	60	100	3
4	BTETPE704	Program Elective 5	Group C	3	0	0	20	20	60	100	3
5	BTHM705	Humanities & Social Science including Management Courses	Financial Management	2	0	0	20	20	60	100	2
6	BTETL706	Program Elective 3 Lab		0	0	2	--	30	20	50	1
7	BTETL707	Program Elective 4 Lab		0	0	2	--	30	20	50	1
8	BTETL708	Program Elective 5 Lab		0	0	2	--	30	20	50	1
9	BTETP709	Project Part I		0	0	8	--	50	50	100	4
10	BTETF611	Field Training/ Internship/Industrial Training Evaluation		--	--	--	--	--	50	50	1
			Total	**14**	**0**	**14**	**100**	**240**	**460**	**800**	**22**

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Program Elective - 3 (Group A)	Program Elective -4 (Group B)	Program Elective- 5 (Group C)
(A) Microwave Theory & Techniques	(A) Embedded System Design	(A) Consumer Electronics
(B) RF Circuit Design	(B) Artificial Intelligence Deep learning	(B) Analog Integrated Circuit Design
(C) Satellite Communication	(C) VLSI Design & Technology	(C) Soft Computing
(D) Fiber Optic Communication	(D) Data Compression & Encryption	(D) Advance Industrial Automation-1
(E) Wireless Sensor Networks	(E) Big Data Analytics	(E) Mechatronics
(F) Mobile Computing	(F) Cyber Security	(F) Electronics in Smart City

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