



## Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL 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](http://www.dbatu.ac.in)

**Date : August 7 , 2021**

### **Subject: Academic Calendar for academic year 2021-2022 (Odd Semester)**

- It is notified to all concerned that Academic Calendar for the Academic year 2021- 2022 (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 issued by Govt. of Maharashtra from time to time.
- 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 2021-2022 (Odd Semester) shall be as under:

**Principal**

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



**REGISTRAR**

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





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**Table-1 Academic Calendar 2021-22 (Odd Semester)**

Sl. No.	Activity	Commencement Date	Concluding Date	Total Days	Engineering
1	Admissions for Second, Third and Final Year	August 31, 2021	September 10, 2021	11	UG and PG
2	Commencement of Classes of Second, Third and Final Year	September 15, 2021	January 15, 2022	123	UG & PG
3	Submission of Dissertation Proposal to University 202	October 13, 2021	October 20, 2021	8	PG
4	Mid-Semester Examinations	November 15, 2021	November 24, 2021	8	UG and PG
5	Display of Mid-Semester Examination Marks	December 01, 2021	December 04, 2021	4	UG and PG
6	Display of Marks at College and uploading of Marks Online on University Portal	December 02, 2021	December 04, 2021	3	UG & PG
7	Scrutiny of Master's Level Dissertation Work Proposal	December 06, 2021	December 08, 2021	3	PG
8	Exam Form Filling for Regular & Supplementary Examinations	December 06, 2021	December 10, 2021	5	UG and PG
9	Exam Form Filling for Regular & Supplementary Examinations with Late Fee	December 11, 2021	December 15, 2021	5	UG and PG
10	University Tech Fest 2021	December 13, 2021	December 15, 2021	3	UG and PG
11	End of Classes	--	January 13, 2022		UG & PG
12	Practical/Project/Seminar Examinations	January 17, 2022	January 20, 2022	4	UG and PG

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09.08.2021  
**REGISTRAR**  
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LONERE 402 103.  
Tal Mangaon, Dist. Raigad, (Maharashtra)





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13	Display of Final Continuous Evaluation Marks at College and uploading of Marks online on University Portal. Uploading of Practical, Project and CA Marks on University portal.	January 20, 2022	January 22, 2022	3	UG & PG
14	End Semester Regular & Supplementary Examination Theory and Practical.	January 24, 2022	February 23, 2022	30	UG and PG
15	Vacation	February 1, 2022	February 21, 2022	21	UG and PG
16	Commencement of Classes for next semester	February 24, 2022	-	-	UG and PG

### List of Festivals / Holidays

Sr.No	Festivals/Holidays	Date
1	Mahatma Gandhi Jayanti	Saturday 2 October 2021
2	Dasara	Friday October 15, 2021
3	Id-E-Milad	Tuesday October 19, 2021
4	Diwali	Thursday November 4-6, 2021
6	Guru Nanak Jayanti	Friday November 19, 2021
7	Christmas Day	Saturday 25 December 2021
8	Makar Sankranti	Friday 14 January 2022

**Principal**

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Nandur-441501

**Dean (Academics-FoE&T)**



**Registrar**  
**REGISTRAR**

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





# डॉ. बाबासाहेब आंबेडकर तंत्रशास्त्र विद्यापीठ, लोणेरे

## Dr. Babasaheb Ambedkar Technological University, Lonere

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विद्याविहार, लोणेरे-रायगड ४०२ १०३ (महाराष्ट्र) Vidyavihar, Lonere - Raigad 402 103 (Maharashtra)

Tel: (02140) 275142 Student Helpline: 02140 - 275212

Website: www.dbatu.ac.in, E-mail: registrar@dbatu.ac.in



DBATU/REG/AC/FY/UG/2022/60

Dated: 14/03/2022

### Academic Calendar Even Semester S.Y. T.Y. F.Y. B.Tech & M.Tech -II (AY 2021-2022)

Sr. No.	Activity	Commencement Date	Concluding Date	Total working days	Level
1	Commencement of Classes	14 <sup>th</sup> March 2022	25 <sup>th</sup> June 2022	90	UG & PG
2	Declaration of Result for Odd Semester	28 <sup>th</sup> March 2022	28 <sup>th</sup> March 2022	1	UG & PG
3	Dr. B. R. Ambedkar Jayanti	14 <sup>th</sup> April 2022	14 <sup>th</sup> April 2022	1	Celebration at University Campus, Regional & Sub centers, and all Affiliated Institutes
4	Mid Semester Examination	2 <sup>nd</sup> May 2022	7 <sup>th</sup> May 2022	6	UG & PG
5	Display of Mid Semester Examination Marks to students	17 <sup>th</sup> May 2022	20 <sup>th</sup> May 2022	4	UG & PG
6	Annual Social Gathering	26 <sup>th</sup> May 2022	28 <sup>th</sup> May 2022	3	UG & PG
7	Sports Week	1 <sup>st</sup> June 2022	7 <sup>th</sup> June 2022	7	UG & PG
8	Exam form filling for Regular & Supplementary Examinations	6 <sup>th</sup> June 2022	11 <sup>th</sup> June 2022	6	UG & PG



Principal  
3D College of Engineering & Management  
Khadki, Kharadi Road  
Raigad-41501





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9	University Tech Fest 2022	9 <sup>th</sup> June 2022	11 <sup>th</sup> June 2022	3	UG & PG
10	Exam form filling for Regular & Supplementary Examinations with late fees	13 <sup>th</sup> June 2022	17 <sup>th</sup> June 2022	5	UG & PG
11	End of Classes	--	25 <sup>th</sup> June 2022		UG & PG
12	Practical/Project/Seminar Examinations	27 <sup>th</sup> June 2022	2 <sup>th</sup> July 2022	6	UG & PG
13	Uploading Internal, Mid Semester, Practical, Project & Seminar marks to University portal	28 <sup>th</sup> June 2022	4 <sup>th</sup> July 2022	6	UG & PG
14	End Semester & Supplementary Examination	4 <sup>st</sup> July 2022	30 <sup>th</sup> July 2022	18	UG & PG
15	Submission of M.Tech./M.Pharm./M.Arch. Dissertation	1 <sup>st</sup> August 2022	30 <sup>th</sup> August 2022	30	UG & PG
16	Internship	25 <sup>th</sup> July 2022	27 <sup>th</sup> August 2022	30	UG & PG
17	Commencement of Classes for Next semester	1 <sup>st</sup> September 2022	--		UG & PG



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### List of Holidays

Sr.No.	Festival/Holiday	Date
1	Dhulivandan	18 <sup>th</sup> March 2022
2	Gudhi Padwa	02 <sup>nd</sup> April 2022
3	Dr. Babasaheb Ambedkar Jayanti	14 <sup>th</sup> April 2022
4	Good Friday	15 <sup>th</sup> April 2022
5	Maharashtra Day	01 <sup>st</sup> May 2022
6	Ramzan Eid	03 <sup>rd</sup> May 2022
7	Buddha Pournima	16 <sup>th</sup> May 2022
8	Muharram	09 <sup>th</sup> August 2022
9	Independence Day	15 <sup>th</sup> August 2022
10	Parsi New Year	16 <sup>th</sup> August 2022
11	Shri Ganesh Chaturthi	31 <sup>st</sup> August 2022

\* All examinations will be conducted in **offline mode** unless otherwise notified.

\* Guidelines issued by the Government amid Covid-19 will be followed strictly.



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



  
**(Dr. B. F. Jogi)**  
**REGISTRAR**  
Dr. Babasaheb Ambedkar Technological University  
LONERE 402 103.  
Tal. Mangaon, Dist. Raigad, (Maharashtra)

2021-22



**JAIDEV EDUCATION SOCIETY'S  
JD COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR  
DEPARTMENT OF BASIC SCIENCE & HUMANITIES**



**SESSION: 2021-22**

**SEMESTER- I**

**ACADEMIC CALENDER**

Month	DAY							No. of Working Days	Holidays	Activities
	SUN	MON	TUE	WED	THU	FRI	SAT			
Dec-21				1	2	3	4	4	25- Christmas Day	27 Dec - Induction Pogramme 28 Dec- Commencement of Pre-Engineering Classes
	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				
Jan-22							1	23	26-Republic day	10 Jan- Valedectory of Induction Program 10 Jan- End of the Pre- Engineering Class 11 Jan- Commencement of the Classes Sem-I 18 Jan- Display of Time Table Class Test - I 25-31 Jan - Class Test-I (Unit-I) 31 Jan - Display of Detension List-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								
Feb-22			1	2	3	4	5	21	19- Chhatrapati Shivaji Maharaj Jayanti	7 Feb- Exam Form Filling Start (Sem-I) 15 Feb- Display of MSE Time Table and submission of Activity- I 21-26 Feb- Mid Semester Exam 28 Feb- Display of Detension List-II
	6	7	8	9	10	11	12			
	13	14	15	16	17	18	19			
	20	21	22	23	24	25	26			
	27	28								
Mar-22			1	2	3	4	5	23	1- Maha Shivratri 18- Holi Dahan	14 March-Display of Time Table Class Test - II 17 March- Submission of Activity- II 21-26 March- Class Test (Unit-III) 30 March- Display of Internal Practical Time Table 31 March-Display of Detension List III
	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					

*[Signature]*

**Principal**

JD College of Engineering & Management  
Khandala, Katol Road  
Nagpur-441501



*[Handwritten Signature]*

Apr-22						1	2	7	2- Gudi Padwa	5-8 April- Internal Prac. Exam.	
	3	4	5	6	7	8	9			11 April- End of Classes	
	10	11	12	13	14	15	16			10- Ram Navami	13 April- Display of Final Detention List and Submission of Internal Marks to Grade Moderation Committee
	17	18	19	20	21	22	23			14- Mahaveer Jayanti	12 April-18 April- External Practical Exam
	24	25	26	27	28	29	30			15- Good Friday	25 April - 7 May- End Sem. Exam.
May-22	1	2	3	4	5	6	7	77	1 - Maharashtra	17 May- Commencement of the Classes Sem-II	
	8	9	10	11	12	13	14		3 - Ramzan Eid		
	15	16	17	18	19	20	21		16 - Buddha Purnima		
	22	23	24	25	26	27	28				
	29	30	31								
	Total Working Days										

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

**Dr. A. N. Gupta**  
HOD, DOFY  
JDCEM

**Head of Department**

Basic Science & Humanities Department  
JD College of Engineering & Management  
Nagpur

**Dr. S. L. Haridas**  
Academic Dean  
JDCEM

**Dr. S. V. Sonekar**  
Principal  
JDCEM

**Principal**

JD College of Engineering & Management  
Khandala, Katol Road  
Nagpur-441501







JAIDEV EDUCATION SOCIETY'S  
J D COLLEGE OF ENGINEERING AND MANAGEMENT  
KATOL ROAD, NAGPUR

Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere

Website: www.jdem.ac.in E-mail: info@jdem.ac.in

An Autonomous Institute, with NAAC "A" Grade



VISION

To be a center of excellence imparting professional education satisfying societal and global needs.

MISSION

1. Transforming students into lifelong learners through quality teaching, training and exposure to concurrent technologies.
2. Fostering conducive atmosphere for research and development through well equipped laboratories and qualified personnel in collaboration with global organizations.

ACADEMIC CALENDAR FOR THE SESSION 2021-2022 (3<sup>rd</sup>, 7<sup>th</sup> SEM B.  
Tech. & 3<sup>rd</sup> Sem M. Tech.)

w.e.f. 06/09/2021

Sr. No.	ACTIVITY	DATES
1	Admission to 3 <sup>rd</sup> , 7 <sup>th</sup> Sem B. Tech. and 3 <sup>rd</sup> sem M. Tech.	06/09/2021
2	Submission of Teaching Plan for 3 <sup>rd</sup> & 7 <sup>th</sup> sem B. Tech.	03/09/2021
3	Distribution of portfolio, Finalization of TGS, Class Incharges, Display of Time Table etc.	03/09/2021
4	Commencement of classes	06/09/2021
5	Commencement of 3 <sup>rd</sup> sem (DSY) B. Tech. Classes	As per DTE Maharashtra
6	Submission of assignment-1	02/10 to 06/10/2021
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	05/10/2021
8	Student Feedback-1	07/10 to 11/10/2021
9	Conduction of first periodic test-1	07/10 to 15/10/2021
10	Analysis of Student Feedback & action taken on feedback	15/10/2021
11	Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	14/10 to 22/10/2021
12	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	23/10/2021
13	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	31/10/2021
14	Display of Time Table for MSE	08/11/2021
15	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	13/11/2021
16	Student Feedback-2	15/11 to 20/11/2021
17	Conduction of MSE for <del>3<sup>rd</sup> &amp; 7<sup>th</sup> sem</del>	15/11 to 24/11/2021
18	Analysis of feedback-2	24/11/2021
19	Answer sheet showing & sign, display of MSE marks	22/11 to 30/11/2021
20	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	27/11/2021



Principal  
J D College of Engineering & Management  
Katol Road, Nagpur  
Phone-44321



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KATOL ROAD, NAGPUR**

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Website: www.jdcoem.ac.in E-mail: info@jdcoem.ac.in

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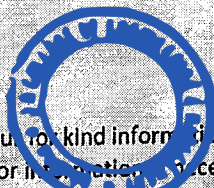


<p align="center"><b>VISION</b></p> <p>To be a center of excellence imparting professional education satisfying societal and global needs.</p>	<p align="center"><b>MISSION</b></p> <ol style="list-style-type: none"> <li>1. Transforming students into lifelong learners through quality teaching, training and exposure to concurrent technologies.</li> <li>2. Fostering conducive atmosphere for research and development through well equipped laboratories and qualified personnel in collaboration with global organizations.</li> </ol>
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21	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	29/11/2021
22	Display of Time Table for Test-2 Exam	06/12/2021
23	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	11/12/2021
24	Submission of assignment-2	06/12 to 11/12/2021
25	Conduction of Test-2	13/12 to 18/12/2021
26	Answer sheet showing & sign, display of Test-2 marks	20/12 to 25/12/2021
27	Last Teaching day	15/01/2022
28	Display of Provisional Detention list for all	15/01/2022
29	Practical Examination	17/01 to 20/01/2022
30	Conduction of ESE	23/01 to 31/01/2022
31	Internal Academic Audit for all	08/2 to 12/2/2022
32	Commencement of 4 <sup>th</sup> , 8 <sup>th</sup> sem B.Tech. & 4 <sup>th</sup> sem of M. Tech.	21/02/2022

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

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



**Principal**  
JD College of Engineering & Management  
Katol Road, Nagpur  
2021-2022

Cc:-

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





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	with HOD	
24	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	29/10/2021
25	Display of Time Table for Test-2 Exam	29/10/2021
26	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	10/11/2021
27	Submission of assignment-2	10/11 to 15/11/2021
28	Conduction of Test-2 for 5 <sup>th</sup> sem	11/11 to 18/11/2021
29	Answer sheet showing & sign, display of Test-2 marks	24/11/2021
30	Last Teaching day	27/11/2021
31	Display of Provisional Detention list for all	27/11/2021
32	Internal Practical Examination for 5 <sup>th</sup>	29/11 to 04/12/2021
33	Conduction of ESE	06/12 to 15/12/2021
34	Internal Academic Audit for all External Academic Audit	27/12 to 31/12/2021 as per DBATU schedule
35	Commencement of 6 <sup>th</sup> sem	03/01/2022

Note:-

1. Academic Calendar for 7<sup>th</sup> sem will be given as soon as Academic Calendar of DBATU is made available with us.

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

Dr. S. V. Sonekar



**Principal**  
J D College of Engineering & Management  
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Cc:-

1. Hon. Director, JES Nagpur for kind information please.
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Education to Eternity

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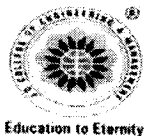
**ACADEMIC CALENDAR FOR SESSION 2021-22 EVEN SEM (2<sup>ND</sup> SEM B. TECH. AND M.TECH.)**

Sr. No.	ACTIVITY	2 <sup>nd</sup> sem B. Tech.	2 <sup>nd</sup> sem M. Tech.
1	Submission of Teaching Plan	12-05-2022	12-05-2022
2	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	13-05-2022	13-05-2022
3	Commencement of classes	17-05-2022	17-05-2022
4	Finalization of Class Representatives, Meetings of Teacher Guardians with students, Meetings of CRs with HOD	20-05-2022	20-05-2022
5	Display of Time Table for Test-1 Exam.	25-05-2022	
6	Allotment of subjectwise activity (working Model) to the student	20/05 to 25/05/2022	
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	31-05-2022	
8	Student Feedback-1	01/06 to 05/06/2022	
9	Conduction of first periodic test-1	01, 02, 03, 04, 05, 06, 07 June 2022	
10	Analysis of Student Feedback & action taken on feedback	08-06-2022	
11	Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	08/06 to 10/06/2022	
12	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	13-06-2022	
13	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	13-06-2022	
14	Submission of subjectwise activity (working Model) by the student	20/06 to 25/06/2022	
15	Display of Time Table for MSE	30-06-2022	30-06-2022
16	Review of Syllabus covered, Display of attendance & Provisional Detention List-2	30-06-2022	30-06-2022

**Principal**

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17	Student Feedback-2	04/07 to 06/07/2022	
18	Conduction of MSE	04, 05, 06, 07, 08 Jul 2022	04, 05, 06, 07, 08 Jul 2022
19	Analysis of feedback-2	11-07-2022	
20	Answer sheet showing & sign, display of MSE marks	04, 05, 06, 07, 08 Jul 2022	04, 05, 06, 07, 08 Jul 2022
21	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	13-07-2022	
22	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	13-07-2022	
23	Display of Time Table for Test-2 Exam	18-07-2022	18-07-2022
24	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	23-07-2022	23-07-2022
25	Conduction of Test-2	01, 02, 03, 04, 05, 06 Aug 2022	01, 02, 03, 04, 05, 06 Aug 2022
26	Answer sheet showing & sign, display of Test-2 marks	08/08 to 10/08/2022	08/08 to 10/08/2022
27	Last Teaching day	03-09-2022	03-09-2022
28	Display of Provisional Detention list for all	03-09-2022	03-09-2022
29	Internal Practical Examination	05/09 to 08/09/2022	05/09 to 08/09/2022
30	Conduction of ESE	13/09 to 19/09/2022	13/09 to 19/09/2022
31	External Practical Examination	20/09 to 23/09/2022	20/09 to 23/09/2022
32	Commencement of next sem	01-10-2022	01-10-2022

  
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॥ ज्ञानं विद्यां विद्यां विद्यां ॥

VISION	MISSION
To be a center of excellence imparting professional education satisfying societal and global needs.	<ol style="list-style-type: none"> <li>Transforming students into lifelong learners through, quality teaching, training and exposure to concurrent technologies.</li> <li>Fostering conducive atmosphere for research and development through well equipped laboratories and qualified personnel in collaboration with global organizations.</li> </ol>

Academic Calendar 2021-22 (Even Sem)				
ACTIVITY	6TH SEM	4th sem regular	4th sem D2	8th Sem DBATU
Submission of Teaching Plan	08-Jan-22	26-Feb-22	23-Mar-22	19-Mar-22
Distribution of portfolio, Display of Time Table etc.	08-Jan-22	26-Feb-22	23-Mar-22	19-Mar-22
Commencement of classes	10-Jan-22	28-Feb-22	24-Mar-22	21-Mar-22
Finalization of Class Representatives, Meetings of CRs with HOD	15-Jan-22	5-Mar-22	25-Mar-22	24-Mar-22
Display of Time Table for Test-1 Exam.	01-Feb-22	28-Mar-22	28-Mar-22	4-Apr-22
Date of Assignment (Given to Student)	01-Feb-22	28-Mar-22	28-Mar-22	4-Apr-22
Review of Syllabus covered, Display of attendance & Provisional Detention List-1	05-Feb-22	01-Apr-22	01-Apr-22	9-Apr-22
Student Feedback-1	07 Feb to 11 Feb 2022	04 to 07 Apr 2022	04 to 07 Apr 2022	11 April to 16 April 2022
Conduction of first periodic test-1	7, 8, 9, 10, 11, 14 Feb 2022	04, 05, 06, 07, 08, 11 Apr 2022	04, 05, 06, 07, 08, 11 Apr 2022	11 April to 16 April 2022
Submission of Assignment - 1	11-Feb-22	11-Apr-22	11-Apr-22	16-Apr-22
Analysis of Student Feedback & action taken on feedback	15-Feb-22	11-Apr-22	11-Apr-22	16-Apr-22
Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	15 Feb to 18 Feb 2022	11 April to 16 April 2022	11 April to 16 April 2022	16 April to 18 April 2022



  
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Exam form filling	15 Feb to 22 Feb 2022	20 April to 30 April 2022	20 April to 30 April 2022	06 June to 11 June 2022
Meetings of CRs with HOD	26-Feb-22	16-Apr-22	16-Apr-22	16-Apr-22
Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	26-Feb-22	16-Apr-22	16-Apr-22	16-Apr-22
Display of Time Table for MSE	28-Feb-22	27-Apr-22	27-Apr-22	23-Apr-22
Review of Syllabus covered, Display of attendance & Provisional Detention List-2	5-Mar-22	02-May-22	02-May-22	23-Apr-22
Student Feedback-2	07-Mar to 11 Mar 2022	04 May to 07 May 2022	04-May-22	02 May to 07 May 2022
Conduction of MSE	7, 8, 9, 10, 11, 14 Mar 2022	02, 4, 5, 6, 7, 9 May 2022	02-May-22	02 May to 07 May 2022
Analysis of feedback-2	15-Mar-22	9-May-22	09-May-22	10-May-22
Answer sheet showing & sign, display of MSE marks	15-Mar to 19 Mar 2022	11 May to 13 May 2022	11-May-22	10 May to 12 May 2022
Meetings of CRs with HOD	25-Mar-22	21-May-22	21-May-22	14-May-22
Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	25-Mar-22	21-May-22	21-May-22	14-May-22
Date of Assignment (Given to Student)	23-Mar-22	21-May-22	21-May-22	21-May-22
Display of Time Table for Test-2 Exam	25-Mar-22	23-May-22	23-May-22	30-May-22



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Quality Education

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Review of Syllabus covered, Display of attendance & Provisional Detention List-3	29-Mar-22	27-May-22	27-May-22	4-Jun-22
Submission of assignment-2	31-Mar-22	28-May-22	28-May-22	4-Jun-22
Conduction of Test-2	1, 4, 5, 6, 7, 8 Apr 2022	30, 31, 01, 02, 03, 04 June 2022	30, 31, 01, 02, 03, 04 June 2022	06 June 10 June 2022
Answer sheet showing & sign, display of Test-2 marks	08 Apr to 12 Apr 2022	06 to 08-Jun-22	06 to 08-Jun-22	15-Jun-22
Last Teaching day	30-Apr-22	14-Jun-22	14-Jun-22	25-Jun-22
Display of Provisional Detention list for all	30-Apr-22	14-Jun-22	14-Jun-22	25-Jun-22
Internal Practical Examination	26 Apr to 30 Apr 2022	15 June to 18 June 2022	15 June to 18 June 2022	15 June to 18 June 2022
Conduction of ESE	02 May to 14 May 2022	20 June to 02 July 2022	20 June to 02 July 2022	04 July to 30 July 2022
External Practical Examination	16 May to 21 May 2022	04 July to 09 July 2022	04 July to 09 July 2022	27 June to 02 July 2022
Commencement of next sem	01-June-22	18-Jul-22	18-Jul-22	

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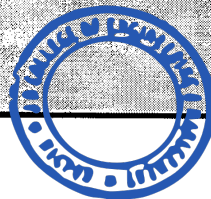
ACADEMIC CALENDAR FOR THE SESSION 2021-2022 (3<sup>rd</sup>, 7<sup>th</sup> SEM B.  
Tech. & 3<sup>rd</sup> Sem M. Tech.)

w.e.f. 06/09/2021

Sr. No.	ACTIVITY	DATES
1	Admission to 3 <sup>rd</sup> , 7 <sup>th</sup> Sem B. Tech. and 3 <sup>rd</sup> sem M. Tech.	06/09/2021
2	Submission of Teaching Plan for 3 <sup>rd</sup> & 7 <sup>th</sup> sem B. Tech.	03/09/2021
3	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	03/09/2021
4	Commencement of classes	06/09/2021
5	Commencement of 3 <sup>rd</sup> sem (DSY) B. Tech. Classes	As per DTE Maharashtra
6	Submission of assignment-1	02/10 to 06/10/2021
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	05/10/2021
8	Student Feedback-1	07/10 to 11/10/2021
9	Conduction of first periodic test-1	07/10 to 15/10/2021
10	Analysis of Student Feedback & action taken on feedback	15/10/2021
11	Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	14/10 to 22/10/2021
12	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	23/10/2021
13	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	31/10/2021
14	Display of Time Table for MSE	08/11/2021
15	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	13/11/2021
16	Student Feedback-2	15/11 to 20/11/2021
17	Conduction of MSE for 3 <sup>rd</sup> sem	15/11 to 24/11/2021
18	Analysis of feedback-2	24/11/2021
19	Answer sheet showing & sign, display of MSE marks	22/11 to 30/11/2021
20	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	27/11/2021

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Phone: 2441301





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21	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	29/11/2021
22	Display of Time Table for Test-2 Exam	06/12/2021
23	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	11/12/2021
24	Submission of assignment-2	06/12 to 11/12/2021
25	Conduction of Test-2	13/12 to 18/12/2021
26	Answer sheet showing & sign, display of Test-2 marks	20/12 to 25/12/2021
27	Last Teaching day	15/01/2022
28	Display of Provisional Detention list for all	15/01/2022
29	Practical Examination	17/01 to 20/01/2022
30	Conduction of ESE	23/01 to 31/01/2022
31	Internal Academic Audit for all	08/2 to 12/2/2022
32	Commencement of 4 <sup>th</sup> , 8 <sup>th</sup> sem B.Tech. & 4 <sup>th</sup> sem of M. Tech.	21/02/2022

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

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

**Principal**  
**J D College of Engineering & Management**  
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**441 101**

Cc:-

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



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## ACADEMIC CALENDAR FOR THE SESSION 2021-2022 (5<sup>th</sup> SEM)

w.e.f. 26/07/2021

Sr. No.	ACTIVITY	DATES
1	Commencement of 1 <sup>st</sup> sem B. Tech. Classes	As per DTE Maharashtra
2	Commencement of 3 <sup>rd</sup> sem (DSY) B. Tech. Classes	As per DTE Maharashtra
3	Commencement of 1 <sup>st</sup> sem M. Tech./MBA Classes	As per DTE Maharashtra
4	Submission of Teaching Plan for 5 <sup>th</sup> sem B. Tech.	22/07/2021
5	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	23/07/2021
6	Commencement of 5 <sup>th</sup> B. Tech.	26/07/2021
7	Commencement of 7 <sup>th</sup> sem B. Tech.	09/08/2021
8	Commencement of 3 <sup>rd</sup> sem B. Tech. & 3 <sup>rd</sup> sem M. Tech. Classes	01/09/2021
9	Submission of assignment-1 (UG)	26/08 to 31/08/2021
10	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	31/08/2021
11	Student Feedback-1	01/09 to 06/09/2021
12	Conduction of first periodic test-1 for 5 <sup>th</sup> sem	01/09 to 09/09/2021
13	Analysis of Student Feedback & action taken on feedback	09/09/2021
14	Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	13/09 to 17/09/2021
15	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	31/08/2021
16	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	31/08/2021
17	Display of Time Table for MSE	24/09/2021
18	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	30/09/2021
19	Student Feedback-2	01/10 to 06/10/2021
20	Conduction of MSE for 5 <sup>th</sup> , 7 <sup>th</sup> sem	01/10 to 09/10/2021
21	Analysis of feedback-2	09/10/2021
22	Answer sheet showing & sign, display of MSE marks	15/10/2021
23	Meetings of Teacher Guardians with students, Meetings of CRs	29/10/2021



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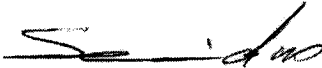


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	with HOD	
24	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	29/10/2021
25	Display of Time Table for Test-2 Exam	29/10/2021
26	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	10/11/2021
27	Submission of assignment-2	10/11 to 15/11/2021
28	Conduction of Test-2 for 5 <sup>th</sup> sem	11/11 to 18/11/2021
29	Answer sheet showing & sign, display of Test-2 marks	24/11/2021
30	Last Teaching day	27/11/2021
31	Display of Provisional Detention list for all	27/11/2021
32	Internal Practical Examination for 5 <sup>th</sup>	29/11 to 04/12/2021
33	Conduction of ESE	06/12 to 15/12/2021
34	Internal Academic Audit for all External Academic Audit	27/12 to 31/12/2021 as per DBATU schedule
35	Commencement of 6 <sup>th</sup> sem	03/01/2022

Note:-

1. Academic Calendar for 7<sup>th</sup> sem will be given as soon as Academic Calendar of DBATU is made available with us.

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



  
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Academic Calendar 2021-22 (Even Sem)				
ACTIVITY	6TH SEM	4th sem regular	4th sem D2	8th Sem DBATU
Submission of Teaching Plan	08-Jan-22	26-Feb-22	23-Mar-22	19-Mar-22
Distribution of portfolio, Display of Time Table etc.	08-Jan-22	26-Feb-22	23-Mar-22	19-Mar-22
Commencement of classes	10-Jan-22	28-Feb-22	23-Mar-22	21-Mar-22
Finalization of Class Representatives, Meetings of CRs with HOD	15-Jan-22	5-Mar-22	23-Mar-22	24-Mar-22
Display of Time Table for Test-1 Exam.	01-Feb-22	28-Mar-22	28-Mar-22	4-Apr-22
Date of Assignment (Given to Student)	01-Feb-22	28-Mar-22	28-Mar-22	4-Apr-22
Review of Syllabus covered, Display of attendance & Provisional Detention List-1	05-Feb-22	01-Apr-22	01-Apr-22	9-Apr-22
Student Feedback-1	07 Feb to 11 Feb 2022	04 to 07 Apr 2022	04 to 07 Apr 2022	11 April to 16 April 2022
Conduction of first periodic test-1	7, 8, 9, 10, 11, 14 Feb 2022	04, 05, 06, 07, 08, 11 Apr 2022	04, 05, 06, 07, 08, 11 Apr 2022	11 April to 16 April 2022
Submission of Assignment - 1	11-Feb-22	11-Apr-22	11-Apr-22	16-Apr-22
Analysis of Student Feedback & action taken on feedback	15-Feb-22	11-Apr-22	11-Apr-22	16-Apr-22
Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	15 Feb to 18 Feb 2022	11 April to 16 April 2022	11 April to 16 April 2022	16 April to 18 April 2022



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Exam form filling	15 Feb to 22 Feb 2022	20 April to 30 April 2022	20 April to 30 April 2022	06 June to 11 June 2022
Meetings of CRs with HOD	26-Feb-22	16-Apr-22	16-Apr-22	16-Apr-22
Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	26-Feb-22	16-Apr-22	16-Apr-22	16-Apr-22
Display of Time Table for MSE	28-Feb-22	27-Apr-22	27-Apr-22	23-Apr-22
Review of Syllabus covered, Display of attendance & Provisional Detention List-2	5-Mar-22	02-May-22	02-May-22	23-Apr-22
Student Feedback-2	07 Mar to 11 Mar 2022	04 May to 07 May 2022	04 May to 07 May 2022	02 May to 07 May 2022
Conduction of MSE	7, 8, 9, 10, 11, 14 Mar 2022	02, 4, 5, 6, 7, 9 May 2022	02, 4, 5, 6, 7, 9 May 2022	02 May to 07 May 2022
Analysis of feedback-2	15-Mar-22	9-May-22	9-May-22	10-May-22
Answer sheet showing & sign, display of MSE marks	15 Mar to 19 Mar 2022	11 May to 13 May 2022	11 May to 13 May 2022	10 May to 12 May 2022
Meetings of CRs with HOD	25-Mar-22	21-May-22	21-May-22	14-May-22
Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	25-Mar-22	21-May-22	21-May-22	14-May-22
Date of Assignment (Given to Student)	25-Mar-22	21-May-22	21-May-22	21-May-22
Display of Time Table for Test-2 Exam	25-Mar-22	23-May-22	23-May-22	30-May-22



  
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Review of Syllabus covered, Display of attendance & Provisional Detention List-3	29-Mar-22	27-May-22	27-May-22	4-Jun-22
Submission of assignment-2	31-Mar-22	28-May-22	28-May-22	4-Jun-22
Conduction of Test-2	1, 4, 5, 6, 7, 8 Apr 2022	30, 31, 01, 02, 03, 04 June 2022	30, 31, 01, 02, 03, 04 June 2022	06 June 10 June 2022
Answer sheet showing & sign, display of Test-2 marks	08 Apr to 12 Apr 2022	06 to 08-Jun-22	06 to 08-Jun-22	15-Jun-22
Last Teaching day	30-Apr-22	14-Jun-22	14-Jun-22	25-Jun-22
Display of Provisional Detention list for all	30-Apr-22	14-Jun-22	14-Jun-22	25-Jun-22
Internal Practical Examination	26 Apr to 30 Apr 2022	15 June to 18 June 2022	15 June to 18 June 2022	15 June to 18 June 2022
Conduction of ESE	02 May to 14 May 2022	20 June to 02 July 2022	20 June to 02 July 2022	04 July to 30 July 2022
External Practical Examination	16 May to 21 May 2022	04 July to 09 July 2022	04 July to 09 July 2022	27 June to 02 July 2022
Commencement of next sem	01-June-22	18-Jul-22	18-Jul-22	

Dean Academics

**Principal**

J D College of Engineering & Management  
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Nagpur-441501







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**KATOL ROAD, NAGPUR**  
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**Department of Management Studies**  
**Session 2021-22**



To evolve as a center that provides excellent learning and research environment for nurturing future management professionals.

1. To develop in the students strong domain knowledge and a passion for lifelong learning.
2. To develop managerial and leadership skills in the students along with a strong sense of ethics, social responsibilities and Professional values.

### ACADEMIC CALENDAR FOR EVEN SESSION

No.: DOMBA/2020-21/OS/I/

Semester: II

Dt.: 29/04/2022

MONTH	DAYS							NO. OF WORKING DAYS	HOLIDAYS	ACTIVITIES
	SUN	MON	TUE	WED	THU	FRI	SAT			
May-22	1	2	3	4	5	6	7	23	3 <sup>rd</sup> - Akshay Tritiya	4 <sup>th</sup> - Commencement of Classes II semester 30 <sup>th</sup> - Marketing Club Activity
	8	9	10	11	12	13	14			
	15	16	17	18	19	20	21			
	22	23	24	25	26	27	28			
	29	30	31							
June-22				1	2	3	4	24	NIL	6 <sup>th</sup> - Eco club activity 13 <sup>th</sup> - Submission of Assignment I 14 <sup>th</sup> - Student Feedback I 15 <sup>th</sup> to 18 <sup>th</sup> - Class Test I 20 <sup>th</sup> - Analysis of student feedback 27 <sup>th</sup> - HR Club activity
	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					
July-22						1	2	24	NIL	21 <sup>st</sup> - Finance club activity 26 <sup>th</sup> - Submission of Assignment II 27 <sup>th</sup> to 30 <sup>th</sup> - Class Test II 30 <sup>th</sup> - Student Feedback II (Last day of Teaching)
	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									

All the students are being hereby informed that the regular classes will commence from 4<sup>th</sup> May 2022. The dates mentioned for the activities are subject to change, depending on the review of academics & other constraints.

*Ujwala Dange*  
Dr. Ujwala Dange  
HOD- MBA



*[Signature]*  
**Principal**  
J D College of Engineering & Management  
Khandala, Katol Road  
Nagpur-441501



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Creating World Through Learning

**VISION**

To be a center of excellence imparting professional education satisfying societal and global needs.

**MISSION**

1. Transforming students into lifelong learners through, quality teaching, training and exposure to concurrent technologies.
2. Fostering conducive atmosphere for research and development through well equipped laboratories and qualified personnel in collaboration with global organizations.

**ACADEMIC CALENDAR FOR SESSION 2021-22 EVEN SEM (2<sup>ND</sup> SEM B. TECH. AND M.TECH.)**

Sr. No.	ACTIVITY	2 <sup>nd</sup> sem B. Tech.	2 <sup>nd</sup> sem M. Tech.
1	Submission of Teaching Plan	12-05-2022	12-05-2022
2	Distribution of portfolio, Finalization of TGs, Class Incharges, Display of Time Table etc.	13-05-2022	13-05-2022
3	Commencement of classes	17-05-2022	17-05-2022
4	Finalization of Class Representatives, Meetings of Teacher Guardians with students, Meetings of CRs with HOD	20-05-2022	20-05-2022
5	Display of Time Table for Test-1 Exam.	25-05-2022	
6	Allotment of subjectwise activity (working Model) to the student	20/05 to 25/05/2022	
7	Review of Syllabus covered, Display of attendance & Provisional Detention List-1	31-05-2022	
8	Student Feedback-1	01/06 to 05/06/2022	
9	Conduction of first periodic test-1	01, 02, 03, 04, 05, 06, 07 June 2022	
10	Analysis of Student Feedback & action taken on feedback	08-06-2022	
11	Answer sheet showing & sign, display of test-1 marks, Parent Teacher Meet	08/06 to 10/06/2022	
12	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	13-06-2022	
13	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	13-06-2022	
14	Submission of subjectwise activity (working Model) by the student	20/06 to 25/06/2022	
15	Display of Time Table for MSE	30-06-2022	30-06-2022
16	Review of Syllabus covered, Display of attendance & Provisional Detention List-2	30-06-2022	30-06-2022

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**VISION**

To be a center of excellence imparting professional education satisfying societal and global needs.

**MISSION**

1. Transforming students into lifelong learners through, quality teaching, training and exposure to concurrent technologies.
2. Fostering conducive atmosphere for research and development through well equipped laboratories and qualified personnel in collaboration with global organizations.

17	Student Feedback-2	04/07 to 06/07/2022	
18	Conduction of MSE	04, 05, 06, 07, 08 Jul 2022	04, 05, 06, 07, 08 Jul 2022
19	Analysis of feedback-2	11-07-2022	
20	Answer sheet showing & sign, display of MSE marks	04, 05, 06, 07, 08 Jul 2022	04, 05, 06, 07, 08 Jul 2022
21	Meetings of Teacher Guardians with students, Meetings of CRs with HOD	13-07-2022	
22	Meeting of staff with HOD and submission of MOM (all meetings) to Principal Office	13-07-2022	
23	Display of Time Table for Test-2 Exam	18-07-2022	18-07-2022
24	Review of Syllabus covered, Display of attendance & Provisional Detention List-3	23-07-2022	23-07-2022
25	Conduction of Test-2	01, 02, 03, 04, 05, 06 Aug 2022	01, 02, 03, 04, 05, 06 Aug 2022
26	Answer sheet showing & sign, display of Test-2 marks	08/08 to 10/08/2022	08/08 to 10/08/2022
27	Last Teaching day	03-09-2022	03-09-2022
28	Display of Provisional Detention list for all	03-09-2022	03-09-2022
29	Internal Practical Examination	05/09 to 08/09/2022	05/09 to 08/09/2022
30	Conduction of ESE	13/09 to 19/09/2022	13/09 to 19/09/2022
31	External Practical Examination	20/09 to 23/09/2022	20/09 to 23/09/2022
32	Commencement of next sem	01-10-2022	01-10-2022

Dean Academics

Dean (Academics)  
JDCEM, Nagpur

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J.D.C



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**SESSION 2021-22**



**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. 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	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	
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>	

**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	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	Credit to be given in III Sem.								
9	ESC	CE2T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit	
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>	
				<b>25</b>								



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KATOL ROAD, NAGPUR  
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**Teaching scheme**

Branch: Mechanical Engineering	Branch Code: ME
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**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
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>

**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	Credit to be given in III Sem.							
9	ESC	ME2T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>
				<b>25</b>							



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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	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	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 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	EE1L005	Engineering Physics Lab	0	0	2	60	0	40	100	1	
8			Induction Programme	3 Weeks								
9	ESC	EE1T007	Basic Electrical and Electronics Engineering	2	0	0	10	15	25	50	Audit	
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>	

**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	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			Societal Internship/ Field	Credit to be given in III Sem.								
9	ESC	EE2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit	
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>	
				<b>23</b>								



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SESSION 2021-22**



**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
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>

**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	Credit to be given in III Sem.							
9	ESC	CS2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>
				<b>23</b>							



**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
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>

**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	Credit to be given in III Sem.							
9	ESC	ET2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>
				<b>23</b>							







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**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
				<b>13</b>	<b>2</b>	<b>10</b>					<b>18</b>

**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	Credit to be given in III Sem.							
9	ESC	IT2T004	Basic Civil and Mechanical Engineering	2	0	0	10	15	25	50	Audit
				<b>11</b>	<b>2</b>	<b>10</b>					<b>16</b>
				23							





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**Teaching scheme**

Branch: Artificial Intelligence	Branch Code: AI
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**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	Credit to be given in III Sem.							
9	ESC	AI2T009	Introduction to Drones	2	0	0	10	15	25	50	Audit
				11	2	10					16
				23							



  
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**BOS, Chairman**  
 Head of Department  
 Basic Science & Humanities Department  
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 Nagpur

V 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	CE5T001	Professional Practice, Law & Ethics	2	0	0	20	20	60	100	2
2	PCC	CE5T002	Fluid Mechanics	2	1	0	20	20	60	100	3
3	PCC	CE5T003	Structural Analysis	2	1	0	20	20	60	100	3
4	PCC	CE5T004	Transportation Engineering	3	0	0	20	20	60	100	3
5	OEC	CEOEC1	Open Elective-I	4	0	0	20	20	60	100	4
6	PCC	CE5L001	Fluid Mechanics Lab	0	0	2	60	0	40	100	1
7	PCC	CE5L002	Structural Analysis Lab	0	0	2	60	0	40	100	1
8	PCC	CE5L003	Transportation Engineering Lab	0	0	2	60	0	40	100	1
9	PROJECT	CE5P004	Mini Project & Seminar	0	0	2	60	0	40	100	1
10	PROJECT	CE5F005	Field Visit III	0	0	0	60	0	40	100	1
11	MC	CE5T005	Consumer Affair	2	0	0	10	15	25	50	AU
				<b>15</b>	<b>2</b>	<b>8</b>					<b>20</b>



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VI 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	PCC	CE6T001	Design of Steel Structures	2	1	0	20	20	60	100	3
2	PCC	CE6T002	Environmental Engineering	3	0	0	20	20	60	100	3
3	PEC	CE5TE01	Professional Elective I	3	0	0	20	20	60	100	3
4	PEC	CE6TE02	Professional Elective-II	3	0	0	20	20	60	100	3
5	OEC	CEOEC2	Open Elective-II	4	0	0	20	20	60	100	4
6	PCC	CE6L001	Design of Steel Structures Lab	0	0	2	60	0	40	100	1
7	PCC	CE6L002	Environmental Engineering Lab	0	0	2	60	0	40	100	1
8	PROJECT	CE6P003	Mini Project & Seminar	0	0	2	30	0	20	50	1
9		CE6P004	Campus Recruitment Training (CRT)	0	0	2	50	0	0	50	1
10		CE6P005	Skill Development	0	0	2	15	0	35	50	1
11	MC	CE6T004	Research Methodology	2	0	0	10	15	25	50	AU
				<b>17</b>	<b>1</b>	<b>10</b>					<b>21</b>



  
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7	PCC-EE	EE6L003	Cad Lab	0	0	2	60	0	40	100	1
8	PROJ-EE	EE6P004	Mini Project phase II	0	0	2	0	0	50	50	2
9	MC	EE6T003	Research Methodology	2	0	0	10	15	25	50	Audit
				<b>15</b>	<b>0</b>	<b>6</b>	<b>210</b>	<b>95</b>	<b>395</b>	<b>700</b>	
										Total Credits	<b>20</b>



**Prof. A. V. Joshi**  
**Member Secretary**  
**Board of Studies, EE Dept**



**Chairman**  
**Board of Studies, EE Dept**



  
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## Semester- V

Sr. No	SubjectCode	Subject	Contact Hours			Credit
			L	T	P	
<b>Theory</b>						
01	BTCVC 501	Design of Steel Structures	2	2	-	4
02	BTCVC 502	Structural Mechanics-II	2	1	-	3
03	BTCVC 503	Soil Mechanics	3	1	✓	4
04	BTCVC 504	Environmental Engineering	2	-	✓	2
05	BTCVC 505	Transportation Engineering	2	-	✓	2
06	CV E2	<b>Elective II</b>	3	-	-	3
07	BTHM507	Essence of Indian Traditional Knowledge	1	-	-	AU
<b>Practical / Drawing and/or Design</b>						
08	BTCVL508	Soil Mechanics Laboratory	-	-	2	1
09	BTCVL509	Environmental Engineering Laboratory	-	-	2	1
10	BTCVL510	Transportation Engineering Laboratory	-	-	2	1
11	BTCVS511	Seminar on Topic of Field Visit to works related to Building Services	-	-	1	AU
		<b>Sub-Total</b>	<b>15</b>	<b>4</b>	<b>7</b>	
		<b>Total</b>	<b>26</b>			<b>21</b>
<b>Elective II</b>						
	BTCVE506A BTCVE506B BTCVE506C BTCVE506D	Materials, Testing & Evaluation Computer Aided Drawing Development Engineering Business Communication & Presentation Skills	3	-		3



  
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## Semester- VI

§: Students should register for the CVF 705 in Semester VI to undergo training during vacation after semester VI and appear at examination in Semester VII. Result shall appear in Grade-sheet of Semester VII

Sr. No.	Subject Code	Subject Title	Contact hours			Credit
			L	T	P	
<b>Theory</b>						
01	BTCVC601	Design of Concrete Structures I	3	1	-	3
02	BTCVC602	Foundation Engineering	2	1	-	3
03	BTCVC603	Concrete Technology	2	-	✓	2
04	BTCVC604	Project Management	2	1	-	2
05	CVE3	<b>Elective III</b>	3	-	-	3
06	BTCVC606	Building Planning and Design	2	-	✓	2
<b>Practical / Drawing and/or Design</b>						
07	BTCVL607	Concrete Technology Laboratory	-	-	2	1
08	BTCVL608	Building Planning, Design and Drawing Laboratory	-	-	4	2
09	BTCVM609	Community Project (Mini Project)	-	-	2	1
10	BTCVS610	Seminar on Topic of Field Visit Road Construction	-	-	1	AU
11	BTCVF611	Industrial Training <sup>s</sup>	-	-	2	--
		Sub-Total	<b>14</b>	<b>3</b>	<b>11</b>	
		<b>Total</b>	<b>28</b>			<b>19</b>
<b>Elective III</b>						
	BTCVE605A BTCVE605B BTCVE605C BTCVE605D BTCVE605E BTCVE605F	Waste Water Treatment Operations Research Geographic Data Analysis and Applications Advanced Engineering Geology Advanced Soil Mechanics Design of Masonry and Timber Structures	3	-	-	3



  
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Sr. No.	Course Code	Course Title	Weekly Teaching hrs			Evaluation Scheme			Credit
			L	T	P	MSE	CA	ESE	
<b>Semester VI</b>									
1	BTCOC601	Compiler Design	3	1	-	20	20	60	4
2	BTCOC602	Computer Networks	3	1	-	20	20	60	4
3	BTCOE603	<b>Elective-V</b> (A) Human Computer Interaction (B) Artificial Intelligence (C) Object-Oriented Analysis Design	2	1	-	20	20	60	3
4	BTCOE604	<b>Elective-VI</b> (A) Geographic Information System (B) Biology (C) Internet of Things	2	-	-	20	20	60	2
5	BTCOE605	<b>Open Elective-VII</b> (A) Development Engineering (B) National Social Service (C) Consumer Behaviour	2	-	-	20	20	60	2
6	BTCOC606	Competitive Programming-II	1	-	2	-	60	40	2
7	BTCOL607	(A) Mobile Application Development	1	-	2	-	60	40	2
		(B) Internet of Things Laboratory							
8	BTCOL608	Computer Networks Laboratory	-	-	2	-	60	40	1
9	BTCOF609	Filed Training / Internship / Industrial Training (Credit to be evaluated in VII Sem.)	-	-	-	-	-	-	*
<b>TOTAL</b>			<b>14</b>	<b>3</b>	<b>6</b>	<b>100</b>	<b>280</b>	<b>420</b>	<b>20</b>



  
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**Program: B. Tech. in Computer Science & Engineering**

**5<sup>th</sup> Semester Computer Science & Engineering**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit	Teaching Mode
				L	T	P	CA	MSE	ESE	Total		
1	ESC	CS5T001	Internet Of Things	3	0	0	20	20	60	100	3	
2	PCC	CS5T002	TCP/IP	3	0	0	20	20	60	100	3	
3	PCC	CS5T003	Design and Analysis of Algorithm	2	1	0	20	20	60	100	3	
4	PCC	CS5O001	Open Elective-1	3	1	0	20	20	60	100	4	
5	PEC	CS5TE01	Elective -I	3	0	0	20	20	60	100	3	
6	ESC	CS5L004	Internet Of Things (Lab)	0	0	2	60	0	40	100	1	
7	PCC	CS5L005	TCP/IP( Lab)	0	0	2	60	0	40	100	1	
8	PCC	CS5L006	Python Programming(Lab)	0	0	2	60	0	40	100	1	
9	PROJECT	CS5P007	Mini Project	0	0	0	25	0	25	50	1	
10	PROJECT	CS5P008	Field Training/ Industrial Visit	0	0	0	30	0	20	50	1	
10	MC	CS5T009	Innovation and Entrepreneurship Development	2	0	0	15	10	25	50	Audit	
				<b>16</b>	<b>2</b>	<b>6</b>	<b>350</b>	<b>110</b>	<b>490</b>	<b>950</b>	<b>21</b>	

**Open Elective-1 : OSOS (Open Source Operating System)**

CS5TE01A	Augmented Reality
CS5TE01B	Block Chain
CS5TE01C	3D Printing & Design

**6<sup>th</sup> Semester Computer Science & Engineering**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit	
				L	T	P	CA	MSE	ESE	Total		
1	PCC	CS6T001	Artificial Intelligence & Robotics	3	0	0	20	20	60	100	3	
2	PCC	CS6T002	Neural Networks and Machine Learning	3	0	0	20	20	60	100	3	
3	PEC	CS6TE02	Elective -II	3	0	0	20	20	60	100	3	
4	PEC	CS6TE03	Elective-III	3	0	0	20	20	60	100	3	
5	OEC	CS6O002	Open Elective-2	3	1	0	20	20	60	100	4	
6	PCC	CS6L003	Neural Networks and Machine Learning(Lab)	0	0	2	60	0	40	100	1	
7	PCC	CS6L004	Full Stack Development(Lab)	0	0	2	60	0	40	100	1	
8	PCC	CS6L005	Advance Java Programming(LAB)	0	0	2	60	0	40	100	1	
9	PROJECT	CS6P006	Mini Project	0	0	2	25	0	25	50	1	
10	PROJECT	CS6P007	CRT(Campus Recruitment Training)	0	0	2	50	0	0	50	1	
11	PROJECT	CS6P008	Skill Development	0	0	2	15	0	35	50	1	
12	MC	CS6T009	Intellectual Property Rights	2	0	0	15	10	25	50	Audit	
				<b>17</b>	<b>1</b>	<b>12</b>	<b>385</b>	<b>110</b>	<b>1000</b>	<b>1000</b>	<b>22</b>	

**Open Elective-2 : SE (Software Engineering)**



**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
<b>Total</b>				<b>15</b>	<b>0</b>	<b>14</b>	<b>100</b>	<b>250</b>	<b>450</b>	<b>800</b>	<b>23</b>

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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**Dr. Babasaheb Ambedkar Technological University, Lonere.**

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

**Curriculum for Semester VIII [Final Year]**

Sr. No.	Course Code	Course Title	Hours per week			Evaluation Scheme			Total Marks	Credits
			L	T	P	MSE	CA	ESE		
		1.Power Management Integrated Circuits 2.DC Power Transmission Systems 3.High Power Multilevel Converters 4.Fuzzy Sets, Logic and Systems & Applications 5.The Joy of Computing using Python 6.Introduction to Industry 4.0 and Industrial Internet of Things 7.Entrepreneurship Essentials # Student to opt any two subjects from above list	3	0	0	20*	20*	60*	100	3
		# Student to opt any two subjects from above list	3	0	0	20*	20*	60*	100	3
6	BTEEP803	Project - II	0	0	30	--	100	150	250	15
		<b>Total</b>	<b>6</b>	<b>0</b>	<b>30</b>	<b>40</b>	<b>240</b>	<b>270</b>	<b>450</b>	<b>21</b>

\* Six months of Internship in the industry

\*Students doing project at institute will have to appear for CA/MSE/ESE

\* Student doing project at Industry will give NPTEL examination / Examination conducted by university i.e. CA/MSE/ESE

# These subjects are to be studied on self-study mode using SWAYAM/NPTEL/Any other source


# Teacher who work as a facilitator for the course should be allotted 3 hrs/week load.

# Project Load: 2hrs/week/project.

**Mapping of Courses with MOOCs Platform SWYAM / NPTEL**

S.N.	Course Name	Duration	Name of Professor	Institute offering Course
1	Power Management Integrated Circuits	12 Weeks	Prof. Qadeer Ahmad Khan	IITM
2	DC Power Transmission Systems	12 Weeks	Prof. Krishna S	IITM
3	High Power Multilevel Converters	12 Weeks	Prof. Anandarup Das	IITD
4	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	Prof. Nishchal Kumar Verma	IITK
5	The Joy of Computing using Python	12 Weeks	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar
6	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	Prof. Sudip Misra	IIT KGP
7	Entrepreneurship Essentials	12 Weeks	Prof. Manoj Kumar Mondal	IIT KGP



  
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**Course Structure and Syllabus**  
For  
**B. Tech. Information Technology Programme**

Curriculum for Semester- V [Third Year]

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	ESC	IT5T001	Embedded System & IoT	3	0	0	20	20	60	100	3
2	PCC	IT5T002	Cyber Security & Cryptography	3	1	0	20	20	60	100	4
3	PCC	IT5T003	Design and Analysis of Algorithm	3	1	0	20	20	60	100	4
4	PCC	ITOEC1	Open Elective-1	3	1	0	20	20	60	100	3
5	PEC	IT5TE01	Elective -I	3	0	0	20	20	60	100	3
8	ESC	IT5L004	Embedded System & IoT (Lab)	0	0	2	60	20	40	100	1
9	PCC	IT5L005	Cyber Security & Cryptography (Lab)	0	0	2	60	0	40	100	1
10	PCC	IT5L006	Design and Analysis of Algorithm (Lab)	0	0	2	60	0	40	100	1
6	PROJECT	IT5P007	Internship	0	0	0	0	0	0	0	1
7	MC	IT5T008	Innovation and Entrepreneurship Development	2	0	0	15	10	25	50	Audit
				17	3	6	300	120	450	850	21



  
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 SESSION 2021-22

**3<sup>rd</sup> Semester Mechanical Engineering**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
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
				<b>21</b>	<b>3</b>	<b>6</b>	<b>310</b>	<b>135</b>	<b>555</b>	<b>1000</b>	<b>25</b>

**4<sup>th</sup> Semester Mechanical Engineering**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
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
				<b>20</b>	<b>4</b>	<b>6</b>	<b>310</b>	<b>135</b>	<b>555</b>	<b>1000</b>	<b>25</b>



*[Signature]*  
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## 5<sup>th</sup> Semester Mechanical Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	PCC	ME5T001	Heat Transfer	3	0	0	20	20	60	100	3
2	PCC	ME5T002	Theory Of Machines-II	3	0	0	20	20	60	100	3
3	PCC	ME5T003	Measurement and Quality Control	3	0	0	20	20	60	100	3
4	PEC	ME5TE01	Elective-I	3	0	0	20	20	60	100	3
5	OEC	ME5O001	Open elective I	4	0	0	20	20	60	100	4
6	PCC	ME5L001	Heat Transfer Lab	0	0	2	60	0	40	100	1
7	PCC	ME5L002	Theory Of Machines-II Lab	0	0	2	60	0	40	100	1
8	PCC	ME5L003	Measurement and Quality Control Lab	0	0	2	60	0	40	100	1
9	PROJECT	ME5P004	Mini Project	0	0	0	0	0	50	50	1
10	MC	ME5T005	Consumer Affair	2	0	0	10	15	25	50	Audit
				<b>18</b>	<b>0</b>	<b>6</b>	<b>290</b>	<b>115</b>	<b>495</b>	<b>900</b>	<b>20</b>

Course Code	PEC-I	Course Code	Open Elective-I
ME5TE01A	Renewable Energy Sources	ME5O001A	Automobile Vehicle Maintenance
ME5TE01B	Analysis and Synthesis of Mechanisms	ME5O001B	Product Development
ME5TE01C	Advanced Manufacturing Technology		



  
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## 6<sup>th</sup> Semester Mechanical Engineering

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	ME6T001	Operation Research	3	0	0	20	20	60	100	3
2	PCC	ME6T002	Applied Thermodynamics	2	1	0	20	20	60	100	3
3	PCC	ME6T003	Design of Machine Element	2	1	0	20	20	60	100	3
4	PEC	ME6TE01	Elective-II	3	0	0	20	20	60	100	3
5	OEC	ME6O002	Open elective II	3	1	0	20	20	60	100	4
6	PCC	ME6L002	Applied Thermodynamics Lab	0	0	2	60	0	40	100	1
7	PCC	ME6L003	Design of Machine Element Lab	0	0	2	60	0	40	100	1
8	ESC	ME6L004	Computer Graphics Lab	1	0	2	60	0	40	100	2
9	PROJECT	ME6P005	Campus Recruitment Training	0	0	2	50	0	0	50	1
10	PROJECT	ME6P006	Skill Development	0	0	2	50	0	0	50	1
11	PROJECT	ME6P007	Mini Project	0	0	0	0	25	0	25	50
12	MC	ME6T008	Research Methodology	2	0	0	10	15	25	50	Audit
				<b>16</b>	<b>3</b>	<b>10</b>	<b>380</b>	<b>115</b>	<b>505</b>	<b>1000</b>	<b>23</b>

Course Code	PEC-II	Course Code	Open Elective-II
ME6TE02A	Power plant engineering	ME6O002A	Solar Technologies
ME6TE02B	Automobile Engineering	ME6O002B	Industrial Safety
ME6TE02C	Industrial Engineering		




  
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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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## Course Structure and Syllabus (Autonomous)

For

B. Tech. Third Semester 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 and 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 Aynthesis and Analog Filter	2	1	0	20	20	60	100	3
7	ESC	ET3L002	Electronic Devices and 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	MC	ET3T007	Universal Human Values	3	0	0	20	20	60	100	3
<b>Total</b>				<b>17</b>	<b>6</b>	<b>6</b>	<b>320</b>	<b>140</b>	<b>540</b>	<b>1000</b>	<b>26</b>



  
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## Course Structure and Syllabus (Autonomous)

For

**B. Tech. Fourth Semester 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 Lab	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	ET4P001	Field Training-1	0	0	0	20	0	30	50	1
11	MC	ET4T007	Innovation and Entrepreneurship Development	2	0	0	10	15	25	50	Audit
Total				17	4	6	330	135	535	1000	23



  
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## Course Structure and Syllabus (Autonomous)

For

**B. Tech. Fifth Semester 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	PCC	ET5T001	Digital Signal Processing	2	1	0	20	20	60	100	3
2	PCC	ET5T002	Microcontroller and Application	3	0	0	20	20	60	100	3
3	PCC	ET5T003	Control System Engineering	3	0	0	20	20	60	100	3
4	PEC	ET5E004	Professional Elective Course-I	3	0	0	20	20	60	100	3
5	OEC	ET5O001	OPEN Elective Course-I	4	0	0	20	20	60	100	4
6	ESC	ET5L005	Software Workshop Lab	0	0	2	60	0	40	100	1
7	PCC	ET5L001	Digital Signal Processing Lab	0	0	2	60	0	40	100	1
8	PCC	ET5L002	Microcontroller and Application Lab	0	0	2	60	0	40	100	1
9	Internship	ET5P001	Field Training-2	0	0	0	20	0	30	50	1
10	Project	ET5P002	Mini Project	0	0	2	20	0	30	50	1
11	MC	ET5T006	Consumer Affairs	2	0	0	10	15	25	50	Audit
<b>Total</b>				<b>17</b>	<b>1</b>	<b>8</b>	<b>330</b>	<b>115</b>	<b>505</b>	<b>950</b>	<b>21</b>



  
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## Course Structure and Syllabus (Autonomous)

For

B. Tech. Sixth Semester in Electronics and Telecommunication Engineering

Sr. No.	Category of Course	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits
				L	T	P	CA	MSE	ESE	Total	
1	HSMC	ET6T001	Education, Technology and Society	2	0	0	20	20	60	100	2
2	PCC	ET6T002	Antennas and Wave Propagation	3	0	0	20	20	60	100	3
3	PCC	ET6T003	Computer Networks and Cloud Computing	3	0	0	20	20	60	100	3
4	PEC	ET6E004	Professional Elective Course-II	3	0	0	20	20	60	100	3
5	OEC	ET6O002	OPEN Elective Course-II	4	0	0	20	20	60	100	4
6	PCC	ET6L003	Computer Networks and Cloud Computing Lab	0	0	2	60	0	40	100	1
7	PCC	ET6L005	Electronic Design Engineering Lab	0	0	2	60	0	40	100	1
8	Project	ET6P001	Campus Recruitment Training (CRT)	0	0	2	50	0	0	50	1
9	Project	ET6P002	Skill Development	0	0	2	15	0	35	50	1
10	Project	ET6P003	Mini Project	0	0	2	30	0	20	50	1
11	MC	ET6T006	Research Methodology	2	0	0	10	15	25	50	Audit
<b>Total</b>				<b>17</b>	<b>0</b>	<b>10</b>	<b>325</b>	<b>115</b>	<b>460</b>	<b>900</b>	<b>20</b>



  
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VISION	MISSION
To be a Department providing high quality & globally competent knowledge of concurrent technologies in the field of Electronics & 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.

Professional Elective Courses (PEC)			
Category	Course Code	Subject	Sem
<b>Professional Elective Course-I</b>	ET5E004A	Introduction to Robotics & Computer Programming	V
	ET5E004B	Telecommunication Switching System	V
	ET5E004C	AI Search Methods for Problem Solving	V
	ET5E004D	Digital System Design & Hardware Modelling Using Verilog	V
	ET5E004E	Embedded C Programming	V
	ET5E004F	Advanced Wireless Communication & Coding Technique	V
	ET5E004G	Introduction to Java Programming and Salesforce	V
	ET5E004H	Sensor Technology	V
	ET5E004I	Introduction to Deep Learning	V
<b>Professional Elective Course-II</b>	ET6E004A	Embedded Processor & its Interfacing with RTOS	VI
	ET6E004B	AI: Knowledge Representation & Reasoning	VI
	ET6E004C	VLSI Physical Design	VI
	ET6E004D	Satellite Communication	VI
	ET6E004E	Wireless IP Networks	VI
	ET6E004F	Computer Vision	VI
	ET6E004G	Database Management System	VI
	ET6E004H	Switching Theory	VI
	ET6E004I	Strength, Kinematics & Design of Machine Elements	VI
	ET6E004J	Embedded Systems Design	VI
ET6E004K	Neural Networks and Fuzzy Logic	VI	
<b>Professional Elective Course-III</b>	ET7E002A	Advanced Cellular Communication	VII
	ET7E002B	Introduction to IoT	VII
	ET7E002C	Optical Communication Networks	VII
	ET7E002D	Biomedical Instrumentation	VII
	ET7E002E	IoT & Wireless Sensor Networks	VII
	ET7E002F	Cryptography & Network Security	VII
	ET7E002G	Multimedia Communication	VII
	ET7E002H	Television Engg	VII



  
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<b>Professional Elective Course-IV</b>	ET7E003A	VerilogHDL	VII
	ET7E003B	UHFandMicrowave Engineering	VII
	ET7E003C	MobileCommunication	VII
	ET7E003D	ReinforcementLearning	VII
	ET7E003E	Drives&Control SystemforRobots&RoboticVision	VII
	ET7E003F	ComputerArchitecture	VII
	ET7E003G	DataStructuresandAlgorithms&SystemSoftware	VII
<b>Professional Elective Course-V</b>	ET7E004A	MachineLearning	VII
	ET7E004B	DigitalImageProcessing	VII
	ET7E004C	AdvancedDigitalSignal Processing	VII
	ET7E004D	EMFOptics&PhotonicIntegratedCircuit	VII
	ET7E004E	AdvancedMobile Communication	VII
	ET7E004F	DeepLearningfor VisualComputing	VII
	ET7E004G	IndustrialAutomation&Control	VII
<b>Professional Elective Course-VI</b>	ET8E001A	5GWirelessNetworks	VIII
	ET8E001B	ModernDigitalCommunicationSystems	VIII
	ET8E001C	FundamentalsofArtificial IntelligenceforRobots.	VIII
	ET8E001D	BasicsofArtificialIntelligence.	VIII
	ET8E001E	OptimizationTechniquesforDigitalVLSIDesign	VIII
	ET8E001F	DeviceDrivers	VIII
	ET8E001G	Spread SpectrumTechniques	VIII
	ET8E001H	IndustrialManagement&QualityControl	VIII

<b>OPEN Elective Courses (OEC)</b>		
<b>CourseCode</b>	<b>Subject</b>	<b>Deptt.</b>
1	FinanceforEngineers	MBA
2	EngineeringEconomics	
3	LegislativeProcedure	
4	LabourLaw	
5	HumanResourceDevelopmentandOrganizationalBehavior	
6	ProfessionalEffectivenessandBusinessCommunicationskills	
7	FitnessManagement Yoga	Wellness Centre
8	QuantativeAptitude&LogicalResoning	
9	PersonalPsychology	
10	Classical Singining	
11	Dancing	
12	Drama	FY
13	PhysicsofEngineeringMaterials	
14	Nanotechnology	
15	BiologyforEngineers	
16	LifeandCareerSkillswithInteractiveLearning	
17	EnglishlanguageProficiency	
18	ProbalityofRandomVariable	
19	AdvancedController&Applications(7thSem)	
20	Pattern Recognition	
21	InternetofThings(5thsem)	ETC
22	PLC,SCADA	
23	MEMS(7th Sem)	
24	BroadbandCommunication(6thsem)	
25	IntroductiontoMicroprocessor,Microcontroller&Robotics(6thsem)	
26	BasicElectronicComponents(5thsem)	



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	ET5E004D	Digital System Design & Hardware Modelling Using Verilog	V
	ET5E004E	Embedded C Programming	V
	ET5E004F	Advanced Wireless Communication & Coding Technique	V
	ET5E004G	Introduction to Java Programming and Salesforce	V
	ET5E004H	Sensor Technology	V
	ET5E004I	Introduction to Deep Learning	V
<b>Professional Elective Course-II</b>	ET6E004A	Embedded Processor & its Interfacing with RTOS	VI
	ET6E004B	AI: Knowledge Representation & Reasoning	VI
	ET6E004C	VLSI Physical Design	VI
	ET6E004D	Satellite Communication	VI
	ET6E004E	Wireless IP Networks	VI
	ET6E004F	Computer Vision	VI
	ET6E004G	Database Management System	VI
	ET6E004H	Switching Theory	VI
	ET6E004I	Strength, Kinematics & Design of Machine Elements	VI
	ET6E004J	Embedded Systems Design	VI
ET6E004K	Neural Networks and Fuzzy Logic	VI	
<b>Professional Elective Course-III</b>	ET7E002A	Advanced Cellular Communication	VII
	ET7E002B	Introduction to IoT	VII
	ET7E002C	Optical Communication Networks	VII
	ET7E002D	Biomedical Instrumentation	VII
	ET7E002E	IoT & Wireless Sensor Networks	VII
	ET7E002F	Cryptography & Network Security	VII
	ET7E002G	Multimedia Communication	VII
	ET7E002H	Television Engg	VII




  
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27	AutomotiveEmbeddedSystem	MECH
28	BlockChain	
29	VehicleMaintenance&GaragePractice	
30	AdvancedJAVAPrograming	CSE, IT, AI
31	.Net	
32	LINUX	
33	WebDevelopmet&Design	
34	Machine Learning	
35	CyberSecurity	
36	AndroidAppDevelopment	
37	Ethical Hacking	
38	Data Science	
39	BigData Analysis	
40	ApplicationofArtificialIntelligenceinFinance	Civil
41	QILQ(QuantitativeIntelligenceandlearningQuickness)	
42	RemotesencingandGIS	
43	HighwayPavements	
44	TrafficEngineering	
45	Airpollution andNoisePollution	
46	WasteWater Management	
47	ElectricalSafetyand Management	
48	ElectricalAutocad	
49	SmartGridTechnology	
50	IndustrialInstrumentation	EE

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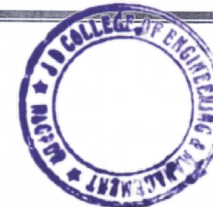


  
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**Dr. Babasaheb Ambedkar Technological University, Lonere.**

**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
<b>Total</b>				<b>14</b>	<b>0</b>	<b>14</b>	<b>100</b>	<b>240</b>	<b>460</b>	<b>800</b>	<b>22</b>



Dr. Babasaheb Ambedkar Technological University, Lonere.

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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# Dr. Babasaheb Ambedkar Technological University, Lonere.

## B. Tech (Electronics & Telecommunication 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	MSE	CA	ESE	Total	
<ul style="list-style-type: none"> <li>• Introduction to Internet of Things</li> <li>• Computer Vision and Image Processing</li> <li>• Biomedical Signal Processing</li> <li>• Industrial Automation and Control</li> <li>• Cryptography and Network Security</li> <li>• Digital IC Design</li> </ul> # Student to opt any two subjects from above list			3	-	--	20*	20*	60*	100	3
			3	-	--	20*	20*	60*	100	3
BTMEP803	Project Part-II or Internship*		--	--	30	--	--	100	150	15
Total			--	--				220	350	21

\* Six months of Internship in the industry

\* Students doing project at institute will have to appear for CA/MSE/ESE

\* Student doing project at Industry will give NPTEL examination / Examination conducted by university i.e. CA/MSE/ESE

# These subjects are to be studied on self-study mode using SWAYAM/NPTEL/Any other source

# Teacher who work as a facilitator for the course should be allotted 3 hrs/week load.

# Project Load: 2hrs/week/project.

### Mapping of Courses with MOOCs Platform SWYAM / NPTEL

No	Course Name	Duration (Weeks)	Institute Offering Course	Name of Professor
1	Introduction to internet of things	12	IIT Kharagpur	Prof. Sudip Misra
2	Computer Vision and Image Processing	12	IIT Gandhinagar	Prof. M. K. Bhuyan
3	Biomedical Signal Processing	12	IIT Kharagpur	Prof. Sudipta Mukhopadhyay
4	Industrial Automation and Control	12	IIT Kharagpur	Prof. Siddhartha Mukhopadhyay
5	Cryptography & Network Security	12	IIT Kharagpur	Prof. Sourav Mukhopadhyay
6	Digital IC Design	12	IIT Madras	Prof. Janakiraman



**Course Structure and Syllabus**  
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**Curriculum for Semester-III [Second Year]**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
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 Architecture & Organization	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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**Course Structure and Syllabus**  
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**Curriculum for Semester- IV [Second Year]**

Sr. No.	Category of	Course Code	Course Name	Teaching			Evaluation				Credit
				L	T	P	CA	MSE	ESE	Total	
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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**Course Structure and Syllabus**  
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**Curriculum for Semester- V [Third Year]**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	ESC	IT5T001	Embedded System & IoT	3	0	0	20	20	60	100	3
2	PCC	IT5T002	Cyber Security & Cryptography	3	1	0	20	20	60	100	4
3	PCC	IT5T003	Design and Analysis of Algorithm	3	1	0	20	20	60	100	4
4	PCC	ITOEC1	Open Elective-1	3	1	0	20	20	60	100	3
5	PEC	IT5TE01	Elective -I	3	0	0	20	20	60	100	3
8	ESC	IT5L004	Embedded System & IoT (Lab)	0	0	2	60	20	40	100	1
9	PCC	IT5L005	Cyber Security & Cryptography (Lab)	0	0	2	60	0	40	100	1
10	PCC	IT5L006	Design and Analysis of Algorithm (Lab)	0	0	2	60	0	40	100	1
6	PROJECT	IT5P007	Internship	0	0	0	0	0	0	0	1
7	MC	IT5T008	Innovation and Entrepreneurship Development	2	0	0	15	10	25	50	Audit
				17	3	6	300	120	450	850	21



  
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**Course Structure and Syllabus**  
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**Curriculum for Semester- VI [Third Year]**

Sr. No.	Category of Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credit
				L	T	P	CA	MSE	ESE	Total	
1	ESC	IT6T001	Adhoc Wireless Networks	3	0	0	20	20	60	100	3
2	PCC	IT6T002	Machine Learning	3	1	0	20	20	60	100	4
3	PEC	IT6TE02	Elective -II	3	0	0	20	20	60	100	3
4	PEC	IT6TE03	Elective-III	3	0	0	20	20	60	100	3
5	OEC	ITOEC2	OPEN Elective 2	3	1	0	20	20	60	100	4
6	ESC	IT6L003	Adhoc Wireless Networks (Lab)	0	0	2	60	0	40	100	1
7	PCC	IT6L004	Machine Learning (Lab)	0	0	2	60	0	40	100	1
8	PCC	IT6L005	Multimedia (Lab)	0	0	2	60	0	40	100	1
9	PROJECT	IT6P006	Mini Project	0	0	4	25	0	25	50	3
10	MC	IT6T007	Intellectual Property Rights	2	0	0	15	10	25	50	Audit
				17	2	10	325	100	475	900	23



  
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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		
<b>Semester VII</b>										
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
<b>Semester VIII</b>										
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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