



Hi-TECH INSTITUTE OF TECHNOLOGY

BGPS'

DTE CODE : EN 2135

(Approved by AICTE New Delhi, DTE (Govt. of Maharashtra) & Affiliated to Dr.BAMU.Aurangabad)

P-119, Bajaj Nagar MIDC, Waluj, Aurangabad - 431 136 (M.S)

Tel. No.: 0240 - 2553495, 2553496 Fax No.: 0240 - 2552240

E-mail : principal@hitechengg.edu.in • website : www.hitechengg.edu.in

Ref.No./HIT/

Date :- 14/07/2018

TO WHOM SOEVER IT MAY CONCERN

This is to certify that the teaching learning scheme attached here for the programs offered by the **Hi-Tech Institute of Technology, Aurangabad**, is the true attested copy of the curriculum designed and implemented by the affiliating university, i.e. **Dr.Baba Saheb Ambedkar Marathwada University, Aurangabad**, and is in accordance with the approval as granted by **AICTE, New Delhi**.

Hence certified

PRINCIPAL

Principal

Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, MIDC,
Aurangabad - 431 136.

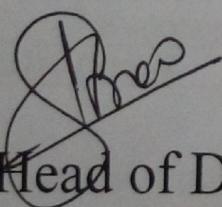
Bhartiya gramin punarrachna sanstha's
HI-TECH INSTITUTE OF TECHNOLOGY
P-119, BAJAJ NAGAR, AURANGABAD

Name of Programme:
Electronics & Telecom. Engineering

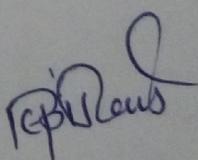
No. of Courses and Course Structures

ACADEMIC YEAR	S.E		T.E		B.E	
	Part-I	Part-II	Part-I	Part-II	Part-I	Part-II
2012-13	6*	6*	7	7	6	5
2013-14	6	6	6*	6*	6	5
2014-15	6	6	6	6	6*	5*
2015-16	6	6	6	6	6	5
2016-17	6	6	6	6	6	5

(*) indicates that the syllabus was revised in that academic year by the affiliating university


Head of Dept.




Principal
Principal
Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, NEDC,
Aurangabad - 431 136.

SE(ETC) 2012-16.

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

FACULTY OF ENGINEERING AND TECHNOLOGY

SECOND YEAR (EC/ECT/E&C/IE) ENGINEERING W.E. From M/J 2012

Sr.No	Semester-I	Contact Hrs/Week				Examination Scheme (Marks)					
Subject Code	Subject	L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination
Part-I											
BSH201	Engineering Maths-III	4	-	-	4	20	80	-	-	100	3 Hrs.
EXD201	Electronic Devices & Circuits-I	4	-	-	4	20	80	-	-	100	3 Hrs.
EXD202	Network Analysis	4	-	-	4	20	80	-	-	100	3 Hrs.
EXD203	Communication Engineering	4	-	-	4	20	80	-	-	100	3 Hrs.
EXD204	Data Structure & Numerical Computations	4	-	-	4	20	80	-	-	100	3 Hrs.
EXD221	Lab-1 Electronic Devices & Circuits-I	-	-	2	2	-	-	-	50	50	
EXD222	Lab -2 Network Analysis	-	-	2	2	-	-	-	50	50	
EXD223	Lab-3 Communication Engg.	-	-	2	2	-	-	-	50	50	
EXD224	Lab-4 Data Structure & Numerical Computations	-	-	2	2	-	-	-	50	-	50
EXD225	Lab-5 Electronic Workshop -I	-	-	2	2	-	-	50	-	50	
Total of Part - I		20	10	30	100	400	100	150	750		

L: Lecture hours per week

T: Tutorial Hours per week

P: Practical hours per week

CT: Class Test

TH: University Theory Examination

TW: Term Work

P: Practical / Oral Examination


PrincipalHi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, MHDC,
Aurangabad - 431 136.

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad.**

Revised Structure of T. E. (Electronics & Telecommunication / Electronics &
Communication / Electronics / Industrial Electronics)

UPTO M/J/13

Part – I

Sr. No.	Subject Code	Name of the subject	Teaching Scheme			Examination Scheme		
			Th.	Pr.	Total	PP	TW	Pr.
1. EC301		Electromagnetic Engg. and Antenna Theory	04	-	04	100	-	-
2. EC302		Power Electronics TW 37	04	02	06	100	50	-
3. EC303		Microprocessor & Peripherals	04	02	06	100	-	50
4. EC304		Signal Coding and Estimation Theory (E&TC, E&Comm.)	03	-	03	100	-	100
5. EC305		Analog Integrated Circuit and Applications	04	02	06	100	-	50
6. EC306		Microelectronics (EC, IE)	03	-	03	100	-	-
7. EC307		Electronic System Design Lab. TW 37	01	02	03	-	-	50
8. EC308		Software Lab. TW 37	-	02	02	-	50	50
			Total	20	10	30	500	100
						150		750

Part – II

Sr. No.	Subject Code	Name of the subject	Teaching Scheme			Examination Scheme		
			Th.	Pr.	Total	PP	TW	Pr.
1. EC309		Digital Communication (EC, E&TC, E&Comm.)	04	02	06	100	-	50
2. EC310		Digital Signal Processing TW 29	04	02	06	100	50	-
3. EC311		Microcontroller & Advanced Processors	04	02	06	100	-	50
4. EC312		Electronic Measurement	02	--	02	50	-	-
5. EC313		Feedback Control System	04	02	06	100	-	50
6. EC314		Industrial Drives & Control (IE)	04	02	06	100	-	50
7. EC315		Business Management	02	-	02	50	--	-
8. EC316		Seminar TW 44	-	02	02	-	50	-
			Total	20	10	30	500	100
						150		750



Prof. Prashant Kolhe
Chairman
Board of Studies in Electronics
Dr. B.A.M.U.Aurangabad

J.B. Patel
Principal

Hi-Tech Institute of Technology
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Aurangabad - 431 136.

Dr. Babasaheb Ambedkar Marathwada University Aurangabad

Faculty of Engineering & Technology

Tentative structure of Third Year (ECT/EC/E&C/IE) W.E. from 2013

Sr.No.	Subject	Semester - I				Contact Hrs/Week				Examination Scheme (Marks)			
		L	T	P	Total	CT	TH	TW	PR	Total	Durati on of Theory Exam.		
Part- I													
EXD301	Digital Signal Processing	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD302	Electromagnetic Engineering	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD303	Microprocessors and Peripheral	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD304	Digital Communication	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD305	Analog Integrated Circuit and Applications	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD321	Lab-1- Digital Signal Processing	-	-	2	2	-	-	50		50			
EXD322	Lab-2- Microprocessors and Peripheral	-	-	2	2	-	-	-	50	50			
EXD323	Lab-3- Digital Communication	-	-	2	2	-	-	-	50	50			
EXD324	Lab-4- Analog Integrated Circuit and Applications	-	-	2	2	-	-	-	50	50			
BSH331	Lab-5 –Communication Skills –II	-	-	2	2	-	-	-	50	50			
Total of Part-I		20		10	30	100	400	50	200	750			
Part- II													
EXD351	Power Electronics	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD352(a)	Signal Coding & Estimation Theory (EC/ECT/E&C)	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD353	Advanced Processors & Microcontroller	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD354	Feedback Control System	4	-	-	4	20	80	-	-	100	3 hrs.		
EXD352(b)	Industrial Drives & Control (IE)	4	-		4	20	80	-	-	100	3 hrs.		
EXD355	Electronic System Design	4	-		4	20	80	-		100	3 hrs.		
EXD371	Lab 1- Power Electronics	-	-	2	2	-	-	-	50	50	4 hrs.		
EXD372	Lab 2 -Advanced Processors & Microcontroller	-	-	2	2	-	-	-	50	50			
EXD373	Lab 3-Feedback Control System	-	-	2	2	-	-	-	50	50			
EXD374	Lab 4- Electronic System Design	-	-	2	2	-	-	50	-	50			
EXD375	Seminar	-	-	2	2	-	-	50		50			
Total of Part-II		20	-	10	30	100	400	100	150	750			
Total of Part-I & II		40		20	60	200	800	150	350	1500			

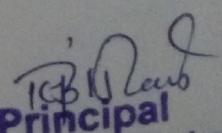
Note: 1. Minimum two tests should be conducted for each theory subject and average of best two tests should be considered.

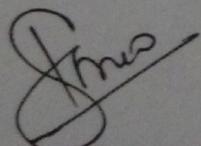
2. If feasible, all the students shall undergo In-plant Training of two to four weeks in concerned Industry, during summer vacation. They should submit a report and give presentation on the same during Final Year.

L:Lecture hrs/ week, T: Tutorial hrs/ week, P:Practical hrs/ week, TH: University Theory Exam,

TW : Term Work, PR: Practical or Oral Exam.




Principal



July 2009

Dr. B.A.M.U. Aurangabad
Revised Structure of B.E. (Electronics/ Electronics & Telecommunication/ Industrial
Electronics / Electronics and Communication)

Part-I

UPTO M/J 15

Sr. No.	Subject Code	Name of Subject	Teaching Scheme			Examination Scheme			
			Th.	Pr.	Total	PP	TW	Pr.	Total mark
01	EC4101	Computer Networks	04	02	06	100	--	50	150
02	EC4102	Embedded Systems	04	02	06	100	--	50	150
03	EC4103	Optical and Microwave Communications	04	02	06	100	--	50	150
04	EC4104	Voice Network(ECT) ^{W-35}	04	02	06	100	25	--	125
05	EC4105	Advanced Digital Signal Processing (EC/IE)	04	02	06	100	25	--	125
06	EC4106	Telecommunication Networks and Management (Electronics & Communication)	04	02	06	100	25	--	125
07	EC4107	Elective-1 ^{W-35}	04	02	06	100	25	--	125
08	EC4108	Project Part-I	--	02	02	--	--	50	50
			Total	20	12	32	500	50	200
									750

Elective -I

ECT		EC/IE		Electronics & Communication
EC41071	Network Security	EC41074	Advanced Power Electronics	EC41077 Voice Network
EC41072	Digital Image Processing	EC41075	System Simulation and Analysis	EC41078 Information Security
EC41073	Artificial Neural Network & Fuzzy Logic	EC41076	Audio Video Engineering	EC41072 Digital Image Processing



S. M. P.

R. P. Patel

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Part-II

Sr. No.	Subject Code	Name of Subject	Teaching Scheme			Examination Scheme			
			Th.	Pr.	Total	PP	TW	Pr.	Total mark
01	EC4201	VLSI Design	04	02	06	100	--	50	150
02	EC4202	Audio Video Engineering (ECT)	04	02	06	100	--	50	150
03	EC4203	Digital Image Processing (EC/IE)	04	02	06	100	--	50	150
04	EC4204	Radar and Satellite Communications (ECT /Electronics & Communication)	04	02	06	100	--	50	150
05	EC4205	Robotics (EC/IE)	04	02	06	100	--	50	150
06	EC4206	Wireless Communication and Networks (Electronics & Communication)	04	02	06	100	--	50	150
07	EC4207	Elective-II ^(W-A)	04	02	06	100	50	--	150
08	EC4208	Project Part-II ^(W-A)	--	06	06	--	50	100	150
			Total	16	14	30	400	100	250
									750

Elective -II

	ECT		EC/IE		Electronics & Communication
EC42071	Advanced Digital Signal Processing	EC42074	Network Security	EC42071	Advanced Digital Signal Processing
EC42072	Mobile Computing	EC42075	Systems Programming	EC42072	Mobile Computing
EC42073	Artificial Intelligence	EC42072	Mobile Computing	EC42073	Artificial Intelligence



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BE(ETC) 2014 onwards

2014-2018

W.E.F A.Y-2015-16

Sr.No.	Semester - I	Contact Hrs/Week				Examination Scheme (Marks)					Duration of Theory Examination
		L	T	P	Total	CT	TH	TW	P	Total	
Part- I											
EXD401	Digital Image Processing	4	-		4	20	80	-	-	100	3 hrs.
EXD402	Embedded Systems	4	-		4	20	80	-	-	100	3 hrs.
EXD403	VLSI Design	4	-		4	20	80	-	-	100	3 hrs.
EXD404	Microwave & Radar Engineering (ECT/E & C)	4	-		4	20	80	-	-	100	3 hrs.
EXD405	Robotics (EC)	4	-		4	20	80	-	-	100	3 hrs.
EXD441-4	EL-1	4	-		4	20	80	-	-	100	3 hrs.
EXD421	Lab-1- Digital Image Processing	-	-	2	2	-	-	-	-	50	50
EXD422	Lab-2- Embedded Systems	-	-	2	2	-	-	-	-	50	50
EXD423	Lab-3- VLSI Design	-	-	2	2	-	-	-	-	50	50
EXD424	Lab-4-Microwave & Radar Engineering (ECT/E & C)	-	-	2	2	-	-	-	-	50	50
EXD425	Lab-5-Robotics (EC)	-	-	2	2	-	-	-	-	25	
EXD426	Lab-6-EL-I	-	-	2	2	-	-	-	-	25	
EXD427	Lab-7- Project -I	-	-	2	2	-	-	-	-	25	
Total of Part-I		20	-	12	32	100	400	50	200	750	

Elective -I
ECT

EXD 441 - Artificial Neural Network& Fuzzy Logic
EXD 442 - Wireless Mobile Communication
EXD 443 -Biomedical Electronics
EXD 444 -Advanced Industrial Automation
EXD 445 -Open Elective-I

EC

EXD 441 -Advanced PowerF
EXD 442 -Consumer Electronics
EXD 443- Microwave and Radar Ei
EXD 444 - Advanced Industrial Automation
EXD 445 - Open Elective-I

**Electronics &
Communication**

EXD 441 -Artificial NeuralNetwork
& Fuzzy Logic
EXD 442 -Wireless Mobile
Communication
EXD 443 -Biomedical Electronics



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BE(ETC) 2014

2014-2018

Sr.No.	Semester - II	Contact Hrs/Week					Examination Scheme (Marks)				
		L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination
Part- II											
EXD451	Computer Communication Network	4	-		4	20	80	-	-	100	3 hrs.
EXD452	Optical Fiber Communication	4	-		4	20	80	-	-	100	3 hrs.
EXD453	Consumer Electronics(ECT/E& C)	4	-		4	20	80	-	-	100	3 hrs.
EXD454	Applied Digital Signal Processing (EC)	4	-		4	20	80	-	-	100	3 hrs.
EXD491-4	EL- II	4	-		4	20	80	-	-	100	3 hrs.
EXD471	Lab 1- Computer Communication Network	-	-	2	2	-	-	-	50	50	
EXD472	Lab 2 - Optical Fiber Communication	-	-	2	2	-	-	-	50	50	
EXD473	Lab 3-Consumer Electronics(ECT/E& C)	-	-	2	2	-	-	-	50	50	
EXD474	Lab 4- Applied Digital Signal Processing (EC)	-	-	2	2	-	-	-	50	50	
EXD475	LAB-5-EL-II	-	-	2	2	-	-	50	-	50	
EXD476	Lab 6- Project II	-	-	6	2	-	-	50	100	150	
Total of Part-II		16	-	14	30	80	320	100	250	750	
Total of Part-I & II		36		26	62	180	720	150	450	1500	

Note: 1. Minimum two tests should be conducted for each theory subject and average of best two tests should be considered. 2. If feasible, all the students shall undergo In-plant Training of two to four weeks in concerned Industry, during summer vacation. They should submit a report and give presentation on the same during Final Year.

L: Lecture Hours per week T: Tutorial Hours per week P: Practical Hours per week CT: Class Test

TH: University Theory Examination

TW: Term Work P: Practical /Oral Examination

Elective -II

ECT

EC/IE

Electronics &



Suresh

R.P. Patel

Principal

Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, MIDC,
Aurangabad - 431 136.

Bhartiya gramin punarrachna sanstha's
HI-TECH INSTITUTE OF TECHNOLOGY
P-119, BAJAJ NAGAR, AURANGABAD

Name of Programme:

Computer Science & Engineering

No. of Courses and Course Structures

ACADEMIC YEAR	S.E		T.E		B.E	
	Part-I	Part-II	Part-I	Part-II	Part-I	Part-II
2012-13	6*	7*	6	6	6	5
2013-14	6	7	7*	6*	6	5
2014-15	6	7	7	6	7*	5*
2015-16	6	7	7	6	7	5
2016-17	6	7	7	6	7	5

(*) indicates that the syllabus was revised in that academic year by the affiliating university

Manel
Head of Dept.



T.P. Dabhi
Principal
Principal

Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, MIDC,
Aurangabad - 431 136.

FACULTY OF ENGINEERING AND TECHNOLOGY
Proposed Revised Structure
[Second Year CSE/IT]
With effective from 2012-13

Sub No.	SEMESTER-I	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
		L	T	P	Total	CT	TH	T W	PR	Total	
BSH-201	Engineering Mathematics-III	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-202	Digital Electronics	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-203	Data Structures using C	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-204	Computer Networks-I	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-205	Unix and Shell Programming	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-221	LAB-I Digital Electronics Lab	-	-	2	2	-	-	50	-	50	---
CSE-222	LAB-II Data Structure using C	-	-	2	2	-	-	-	50	50	---
CSE-223	LAB-III Computer Network-I Lab	-	-	2	2	-	-	50	-	50	
CSE-224	LAB-IV Unix and Shell Programming	-	-	2	2	-	-	-	50	50	---
CSE-225	LAB-V Introduction to Web Programming	2	-	2	4	-	-	-	50	50	---
	Total	22		10	32	100	400	100	150	750	

Sub No.	SEMESTER-II	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
		L	T	P	Total	CT	TH	T W	PR	Total	
BSH-252	Engineering Mathematics-IV	4		-	4	20	80	-	-	100	3 Hrs
CSE-253	Discrete Mathematics	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-254	Object Oriented Programming with C++	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-255	Microprocessors	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-256	Computer Graphics	4	-	-	4	20	80	-	-	100	3 Hrs
CSE-271	LAB-VI Object Oriented Programming with C++ Lab	-	-	2	2	-	-	-	50	50	---
CSE-272	LAB-VII Microprocessors Lab	-	-	2	2	-	-	-	50	50	---
CSE-273	Lab-VIII Computer Graphics Lab	-	-	2	2	-	-	50	-	50	---
CSE-274	LAB-IX Open Source Lab	2	-	2	4	-	-	-	50	50	---
BSH-275	Communication Skills	2	-	2	4	-	-	50	-	50	
	Total	24		10	34	100	400	100	150	750	---

L: Lecture hours per week T: Tutorial hours per week P: Practical hours per week CT: Class Test TH: University Theory Examination TW: Term Work PR: Practical/Oral Examination

Daniel



S. P. Patel
Principal

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P-119, Bajaj Nagar Waluj, MIDC,
Aurangabad - 431 136.

Faculty of Engineering & Technology
Board of Studies in Computer Science & Engineering
Proposed Curriculum structure of T.E. (CSE)

Part – I

W.E.F. 2008-09

Sr. No.	Subject Code	Subjects	Teaching Scheme (Hours/Week)		Examination Scheme (Marks)			
			Lecture	Practical	Theory	TW	Practical	Total
01	CSE/IT	Operating Systems	4	2	100	50	--	150
02	CSE /IT	Software Engineering	4	2	100	50	--	150
03	CSE/IT	Database Management Systems	4	2	100	--	50	150
04	CSE	Information Theory and Coding	4	--	100	--	--	100
05	CSE/IT	Programming in Java	4	2	100	--	50	150
06	CSE/IT	Software Development Laboratory – I (VB.NET)	--	2	--	--	50	50
Total of I			20	10	500	100	150	750

Part – II

Sr. No.	Subject Code	Subjects	Teaching Scheme (Hours/Week)		Examination Scheme (Marks)			
			Lecture	Practical	Theory	TW	Practical	Total
07	CSE/IT	Computer Networks	4	2	100	50	--	150
08	CSE/IT	Design and Analysis of Algorithms	4	2	100	50	--	150
09	CSE/IT	Digital Image Processing	4	2	100	--	50	150
10	CSE	Formal Languages and Automata Theory	4	--	100	--	--	100
11	CSE/IT	Software Testing and Quality Assurance	4	2	100	--	50	150
12	CSE/IT	Software Development Laboratory – II (ASP.NET)	--	2	--	--	50	50
Total of II			20	10	500	100	150	750
Total of I and II			-	-	1000	200	300	1500

Me-cse-struct-3-6-08



Mrs. M. S. Joshi
Chairperson, B.O.S.
Computer Science & Engineering

T.G. Mehta
Principal
Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj, MHDC,
Aurangabad - 431 136.

Faculty of Engineering & Technology
Board of Studies in Computer Science & Engineering
Proposed Curriculum structure of B.E. (CSE)

W.E.F. 2009-10

Part – I

Sr. No.	Subject Code	Subjects	Teaching Scheme (Hours/Week)		Examination Scheme (Marks)			
			Lecture	Practical	Theory	TW	Practical	Total
01	CSE	Advanced Algorithms	4	2	100	50	--	150
02	CSE /IT	Principles of Compiler Design	4	2	100	--	50	150
03	CSE/IT	Professional Ethics & Cyber Security	4	--	100	--	--	100
04	CSE	Advanced Java	4	2	100	--	50	150
05	CSE	Elective-I	4	2	100	--	50	150
06	CSE	Project Part- I	--	2	--	50	--	50
Total of I			20	10	500	100	150	750

Part – II

Sr. No.	Subject Code	Subjects	Teaching Scheme (Hours/Week)		Examination Scheme (Marks)			
			Lecture	Practical	Theory	TW	Practical	Total
07	CSE/IT	Soft Computing	4	2	100	--	50	150
08	CSE/IT	Data Warehousing & Data Mining	4	2	100	50	--	150
09	CSE/IT	Mobile Computing	4	2	100	--	50	150
10	CSE	Elective-II	4	2	100	--	50	150
11	CSE	Project Part - II	--	6	--	50	100	150
Total of II			16	14	400	100	250	750
Total of I and II					900	200	400	1500

Elective –I: 1. Advanced DBMS 2. Object Oriented Analysis and Design 3. Embedded Systems

Elective- II: 1. Enterprise Information Systems 2. Multimedia Systems 3. Bio-informatics

Acmed



T.P. Patel

Principal
Hi-Tech Institute of Technology
P-119, Bajaj Nagar Waluj - MHCG,
Aurangabad - 431 138.

Academic year 2013-14

Third Year computer science & engg.

Sub Code	Semester-I	Contact Hrs/Week	Examination Scheme								
			L	T	P	Total	CT	TH	TW	PR	Total
CSE301	Operating System	4	--	--	4	20	80	--	--	100	3 Hrs
CSE302	Software Engineering	4	--	--	4	20	80	--	--	100	3 Hrs
CSE303	Database Management System	4	--	--	4	20	80	--	--	100	3 Hrs
CSE304	Programming in Java	4	--	--	4	20	80	--	--	100	3 Hrs
CSE305	Digital Image Processing	4	--	--	4	20	80	--	--	100	3 Hrs
CSE321	LAB-I Database Management System	--	--	2	2	--	--	--	50	50	
CSE322	LAB-II Programming in Java	--	--	2	2	--	--	--	50	50	
CSE323	LAB-III Digital Image Processing	--	--	2	2	--	--	50	--	50	
CSE324	LAB-IV Software Development Lab- I (Windows.Net Framework & C# programming)	2	--	2	4	--	--	--	50	50	
BSH331	Communication Skills-II	--	--	2	2	--	--	--	50	50	
	Total	22	--	10	32	100	400	50	200	750	

Sub Code	Semester-II	Contact Hrs/Week	Examination Scheme								
			L	T	P	Total	CT	TH	TW	PR	Total
CSE351	Advanced JAVA ✓	4	--	--	4	20	80	--	--	100	3 Hrs
CSE352	Design & Analysis of Algorithms *	4	--	--	4	20	80	--	--	100	3 Hrs
CSE353	Software Testing & Quality Assurance	4	--	--	4	20	80	--	--	100	3 Hrs
CSE354	Computer Networks- II *	4	--	--	4	20	80	--	--	100	3 Hrs
CSE355	Theory of Computation	4	--	--	4	20	80	--	--	100	3 Hrs
CSE371	LAB-V Advanced JAVA	--	--	2	2	--	--	--	50	50	
CSE372	LAB-VI Design & Analysis of Algorithms	--	--	2	2	--	--	--	50	50	
CSE373	LAB-VII Software Testing & Quality Assurance	--	--	2	2	--	--	50	--	50	
CSE374	LAB-VIII Computer Networks- II	--	--	2	2	--	--	50	--	50	
CSE375	LAB-IX SDL-II (Mobile Application Development Lab)	2	--	2	4	--	--	--	50	50	
	Total	22	--	10	32	100	400	100	150	750	
	Total of Semester I & II	44	--	20	64	200	800	150	350	1500	

L:Lecture hours per week T:Tutorial hours per week

P:Practical hours per week

CT: Class Test

TH:University Theory Examination

TW: Term Work

PR: Practical/Oral Examination

Dr Vijaya B. Musande
Chairman Board of Studies
Computer Science & Engineering

Ganesh



RE/Principal
Principal

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Faculty of Engineering and Technology
 Board of Studies in Computer Science and Engineering
 Curriculum structure of B.E(Computer Science and Engineering)

PART-I

Academic year 2014-15

Sub Code	Semester-I	Contact Hrs/Week					Examination Scheme					Duration of The Theory Examination
		L	T	P	Total	CT	TH	TW	PR	Total		
CSE401	Datawarehousing & Data Mining ✓	4	--	--	4	20	80	--	--	100		3 Hrs
CSE402	Parallel & Distributed Computing	4	--	--	4	20	80	--	--	100		3 Hrs
CSE403	Principles of Compiler Design ✓	4	--	--	4	20	80	--	--	100		3 Hrs
CSE404	Visual Modeling	4	--	--	4	20	80	--	--	100		3 Hrs
	Elective - I	4	--	--	4	20	80	--	--	100		3 Hrs
CSE421	LAB-I Datawarehousing & Data Mining	--	--	2	2	--	--	--	50	50		
CSE422	LAB-II Principles of Compiler Design	--	--	2	2	--	--	--	50	50		
CSE423	LAB-III Visual Modeling	--	--	2	2	--	--	--	50	50		
CSE424	LAB-IV Elective - I	--	--	2	2	--	--	50	--	50		
CSE425	Project Part-I ✓	--	--	2	2	--	--	25	--	25		
CSE426	Seminar							25	--	25		
	Total	20	--	10	30	100	400	100	150	750		

Elective -I :

Code	Subject
CSE441	Cloud Computing
CSE442	Artificial Intelligence
CSE443	MultiCore Computing
CSE444	Open Elective

Daneel

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BE (CSE) Part-II

Academic year 2014-15

PART - II

Sub Code	Subject	Semester-II				Contact Hrs/Week				Examination Scheme				
		L	T	P	Total	CT	TH	TW	PR	Total	Duration of The Theory Examination			
CSE451	Computer System Security and Laws	4	--	--	4	20	80	--	--	100	3 Hrs			
CSE452	Mobile Computing	4	--	--	4	20	80	--	--	100	3 Hrs			
CSE453	Soft Computing	4	--	--	4	20	80	--	--	100	3 Hrs			
	Elective -II	4	--	--	4	20	80	--	--	100	3 Hrs			
CSE471	LAB-V Computer System Security and Laws	--	--	2	2	--	--	--	50	50				
CSE472	LAB-VI Mobile Computing	--	--	2	2	--	--	--	50	50				
CSE473	LAB-VII Soft Computing	--	--	2	2	--	--	--	50	50				
CSE474	LAB-VIII Elective - II	--	--	2	2	--	--	50	--	50				
CSE375	Project Part - II	--	--	6	6	--	--	50	100	150				
	Total	16	--	14	30	80	320	100	250	750				
	Total of Semester I & II	36	--	24	60	180	720	250	400	1500				

Elective -II :

Code	Subject
CSE491	Remote Sensing & Geographical Information System
CSE492	Green IT
CSE493	Agile Methodology
CSE494	Open Elective

L:Lecture hours per week

T: Tutorial hours per week

P:Practical hours per week

CT: Class Test

TH:University Theory Examination

TW: Term Work

PR: Practical/Oral Examination

Sarita



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HI-TECH INSTITUTE OF TECHNOLOGY
P-119, BAJAJ NAGAR, AURANGABAD

Name of Programme:
Mechanical Engineering

No. of Courses and Course Structures

ACADEMIC YEAR	S.E		T.E		B.E	
	Part-I	Part-II	Part-I	Part-II	Part-I	Part-II
2012-13	6*	7*	6	5	7	5
2013-14	6	7	7*	6*	7	5
2014-15	6	7	7	6	7*	6*
2015-16	6	7	7	6	7	6
2016-17	6	7	7	6	7	6

(*) indicates that the syllabus was revised in that academic year by the affiliating university

Rajchopale
Head of Dept.



P.B. Patel
Principal
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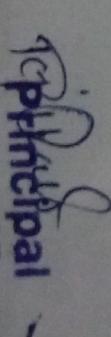
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FACULTY OF ENGINEERING AND TECHNOLOGY
Revised Structure
[Second Engineering (Mechanical/Production)] 2012 - 13

SEMESTER-I		Contact Hours / Week					Examination Scheme				
Subject No.	Subject	L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination
BSH201	Engineering Maths-IV	3	1		4	20	80			100	3 Hrs
MED202	Thermodynamics-I	4			4	20	80			100	3 Hrs
MED203	Machine Drawing	4			4	20	80			100	4 Hrs
MED204	Strength of Materials	4			4	20	80			100	3 Hrs
MED205	Production Processes-I	4			4	20	80			100	3 Hrs
MED221	Lab-I Thermodynamics-I				2	2				25	50
MED222	Lab-II Machine Drawing				4	4				50	100
MED223	Lab-III Strength of Materials				2	2				25	50
MED224	Lab-IV Workshop - III				2	2				25	50
	Total	19	1		10	30	100	400	125	125	750

SEMESTER-II		Contact Hours / Week					Examination Scheme				
Subject No.	Subject	L	T	P	Total	CT	TH	TW	P	Total	Duration of Theory Examination
BSH251	Engineering Maths-IV	3	1		4	20	80			100	3 Hrs
MED253	Theory of Machines-I	4			4	20	80			100	4 Hrs
MED254	Thermodynamics-II	4			4	20	80			100	3 Hrs
MED255	Electrical Machines & Applied Electronics	4			4	20	80			100	3 Hrs
MED256	Production Processes-II	4			4	20	80			100	3 Hrs
MED271	Lab-V Theory of Machines-I				2	2				25	50
MED272	Lab-VI Thermodynamics-II				2	2				25	50
MED273	Lab-VII Electrical Machines & Applied Electronics				2	2				25	50
MED274	Lab-VIII Workshop - IV				2	2				25	50
BSH275	Lab-IX Communication Skill				2	2				50	50
	Total	19	1		10	30	100	400	150	100	750




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TE Mechanical
2012 - 13

UPTO M/J 2013

(5) ✓

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD
Proposed Teaching/Examination scheme for 2008-09 For T.E.(Mechanical)

Part I

Sr.No	Subject	Theory	Practical	Total	Theory	Term Work	Practical/ Viva voce exam	Total	Duration Of Theory paper
1.	Machine design I (M/P)	4	2	6	100	25 ✓	-	125	3 hrs.
2.	Dynamics of Machines (M/P)	4	2	6	100	-	50	150	3 hrs.
3.	Engg.Metallurgy (M/P)	4	2	6	100	25 ✓	-	125	3 hrs.
4.	Fluid Mechanics & Machines (M)	4	2	6	100	-	50	150	3 hrs.
5.	Heat Transfer (M)	4	2	6	100	-	50	150	3 hrs.
6.	Workshop practice V (M/P)	-	2	2	-	-	50	50	
Total		20	12	32	500	50	200	750	

Part II

		I.E. II	40	22	62	1000	150	350	1500
1.	Machine design II (M/P)	4	2	6	100	-	50	150	3 hrs.
2.	Metrology & Mechanical Measurement (M/P)	4	2	6	100	-	50	150	3 hrs.
3.	Tool Engg. (M/P)	4	2	6	100	50	-	150	4 hrs.
4.	CAD/CAM/CAE (M/P)	4	2	6	100	-	50	150	3 hrs.
5.	Industrial Hydraulics & Pneumatics (M/P)	4	2	6	100	50	-	150	3 hrs.
Total		20	10	30	500	100	150	750	



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Sr. No.	Subject	Teaching Scheme (Hrs/Week)			Examination Scheme					Duration of Theory Paper
		Theory	Practical	Total	Class Test	Theory	Term Work	Practical Exam	Total	
1	IC Engines and Turbines	4	2	6		100		50	150	3
2	Operations Research	4	2	6		100	50		150	3
3	Robotics and Industrial Applications	4	2	6		100	25		125	3
4	Quality Engg. & Ind. Management	4	2	6		100	25		125	3
5	Elective - I	4	0	4		100			100	3
6	Seminar			2	2		50		50	
7	Project - I							50	50	
	Total	20	10	30	0	500	150	100	750	

1	Refrigeration & Air Conditioning	4	2	6		100		50	150	3
2	Automobile Engineering	4	2	6		100	25	25	150	3
3	Automatic Control Systems	4	2	6		100		50	150	3
4	Elective - II	4	2	6		100	50		150	3
5	Project - II			6	6		50	100	150	3

Total	16	14	30	0	400	125	225	750	
Total of Part - I and Part - II	36	24	60	0	900	275	325	1500	

Elective - I

- 1 Energy Conservation and Management
- 2 EDP & Industrial Economics
- 3 Power Plant Engineering
- 4 Advanced Materials & Manufacturing Techniques

Elective - II

- 1 Machine Tool Design
- 2 Simulation and Mathematical Modeling
- 3 Computational Fluid Dynamics (CFD)
- 4 Industrial Engineering



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Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
 Proposed Syllabus Structure of T.E. (Mechanical Engineering) w.e.f. Academic Year 2013-14

Part-I

Subject No.	Subject	Contact Hours / Week				Examination Scheme				Duration of Examination	Remark
		L	T	P	Total	TH	CT	TW	P	Total	
MED301	Design of Machine Elements-I ✓	4	2	6	80	20			100	3	
MED302	Theory of Machines-II ✓	4	2	6	80	20			100	3	
MED303	Metallurgy and Materials ✓	4	2	6	80	20			100	3	
MED304	Fluid Mechanics and Machinery ✓	4	2	6	80	20			100	3	
MED305	Industrial Management and Engineering Economics ✓	4		4	80	20			100	3	
MED321	Lab-I Design of Machine Elements-I					25	25	50			
MED322	Lab-II Theory of Machines-II					50	50				
MED323	Lab-III Metallurgy and Materials					25	25	50			
MED324	Lab-IV Fluid Mechanics and Machinery					25	25	50			
BSH 331	Lab-V Communication Skills -II			2	2				50	50	01 Online Exam
MED326	Lab-VI Workshop-V ✓			2	2			25	25		
	Total			20	12	32	100	400	125	125	750

1D-[F] NPW-02 June-2013-14 T.E. Mechanical

- 4 -



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Part-II

Subject No.	Subject	Contact Hours / Week					Examination Scheme					Duration of Theory Examination	Remarks
		L	T	P	Total	CT	TH	TW	P	Total			
MED351	Design of Machine Elements-II	4	2	6	20	80				100	3		
MED352	Heat Transfer	4	2	6	20	80				100	3		
MED353	Industrial Hydraulics and Pneumatics	4	2	6	20	80				100	3		
MED354	Tool Engineering	4	2	6	20	80				100	3		
MED355	CAD / CAM / CAE	4	2	6	20	80				100	4		
MED356	Mechanical Measurements	2	2	4	10	40				100	3	Online Exam	
MED371	Lab-VII Design of Machine Elements-II					25				25			
MED372	Lab-VIII Heat Transfer					25	25	50					
MED373	Lab-IX Industrial Hydraulics and Pneumatics					-	25	25					
MED374	Lab-X Tool Engineering					-	25	25	50				
MED375	Lab-XI CAD / CAM / CAE					-	25	25	50				
	Total	22	12	34	110	440	125	75	750				

L: Lecture hours per week

T: Tutorial Hours per week

P: Practical hours per week

TH: University Theory Examination

TW: Term Work

P: Practical / Oral Examination

ID-[F] NPW-02 June-2013-14 T.E. Mechanical

- 5 -

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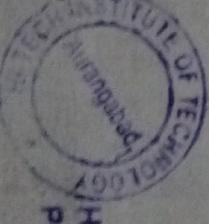


Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Syllabus Structure of B. E. (Mechanical Engineering) w. e. f. Academic Year 2014-15

Part I.

Subject No.	Subject	Teaching Scheme Hours / Week				Examination Scheme				Duration of Theory Examination (Hrs.)	Remarks
		L	T	P	Total	CT	TH	TW	P	Total	
MED401	I.C. Engines	4		4	20	80			100	3	
MED402	Automatic Control System	4		4	20	80			100	3	
MED403	Metrology and Quality Control	4		4	20	80			100	3	
MED404	Turbo Machines	4		4	20	80			100	3	
	Elective-I*										
MED421	Lab-I I.C. Engines		2	2			25	25	50		
MED422	Lab-II Automatic Control System		2	2			25	25	50		
MED423	Lab-III Metrology and Quality Control		2	2			25	25	50		
MED424	Lab-IV Turbo Machines		2	2			25	25	50		
	Seminar		2	2			50	50			
	Project-I		2	2			50	50			
	Total	20	12	32	100	400	125	125	750		
	Elective-II										
MED441	Energy Conservation and Management										
MED442	Power Plant Engineering										
MED443	Production Planning and Control										
MED444	Advanced Materials and Manufacturing										
MED445	Modern Management Techniques										
MED446	Open Elective***										

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Part-II

Subject No.	Subject	Teaching Scheme Hours / Week				Examination Scheme				Duration of Theory Examination (Hrs)	Remarks
		L	T	P	Total	CT	TH	TW	PR		
MED451	Automobile Engineering	✓	4		4	20	80		100	3	
MED452	Project Management and Operations Research	✓	4		4	20	80		100	3	
MED453	Refrigeration and Air Conditioning	✓	4		4	20	80		100	3	
MED471	Elective-II*	✓	4		4	20	80		100	3	
MED472	Lab-V Automobile Engineering		2		2	25	25		50		
MED473	Lab-VI Project Management and Operations Research		2		2	25	25		50		
	Lab-VII Refrigeration and Air Conditioning		2		2	25	25		50		
	Lab-VIII		2		2	50	50				
	Project-II**		4		4	50	100	150			
	Total		16		12	28	80	320	175	750	
Elective-II											
MED491	Robotics and Industrial Automation										
MED492	Machine Tool Design										
MED493	Computational Fluid Dynamics										
MED494	Industrial Engineering										
MED495	Tribology										
MED496	Piping System Engineering										
MED497	Open Elective***										
L	Tutorial Hours per Week										
CE	Cess Test										
PR	Practical Oral Exam										
Note: *Student can opt for open elective.											
**Projects can be interdisciplinary.											
*** Open Elective - Board of Studies (Mechanical) will reserve the right of declaring the subjects which can be taken as open electives during part-I and part-II among the proposed subjects by academia/Industry during each academic year. Individual college and/or Industry can define new elective with proper syllabus according to defined framework and get it approved from Board of Studies and other necessary statutory system of Dr. Babasaheb Ambedkar University time to time.											

P: Practical Hours per Week

PR: Practical Work

TW: Term Work

**Projects can be interdisciplinary.

- *** Open Elective - Board of Studies (Mechanical) will reserve the right of declaring the subjects which can be taken as open electives during part-I and part-II among the proposed subjects by academia/Industry during each academic year. Individual college and/or Industry can define new elective with proper syllabus according to defined framework and get it approved from Board of Studies and other necessary statutory system of Dr. Babasaheb Ambedkar University time to time.

None.



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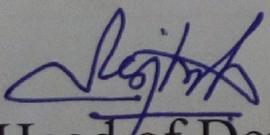
Name of Programme:

Civil Engineering

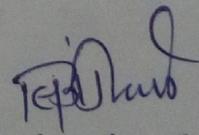
No. of Courses and Course Structures

ACADEMIC YEAR	S.E		T.E		B.E	
	Part-I	Part-II	Part-I	Part-II	Part-I	Part-II
2012-13	6*	7*	5	6	7	6
2013-14	6	7	7*	7*	7	6
2014-15	6	7	7	7	7*	6*
2015-16	6	7	7	7	7	6
2016-17	6	7	7	7	7	6

(*) indicates that the syllabus was revised in that academic year by the affiliating university


Head of Dept.




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FACULTY OF ENGINEERING AND TECHNOLOGY

Proposed Revised Structure of SE (Civil) W.E.F. 2012-13

SUB NO.	SEMESTER -I	CONTACT HRS. /WEEK				EXAMINATION SCHEME				DURATION OF THEORY EXAMINATION
		L	P	TOTAL	CT	TH.	TW.	P	TOTAL	
BSH201	Engineering Mathematics-III	4	--	4	20	80	-	-	100	3 Hrs
CED202	Strength of Material	4		4	20	80	-	-	100	3 Hrs
CED203	Fluid Mechanics-I	4		4	20	80	-	-	100	3 Hrs
CED204	Surveying-I	4		4	20	80	-	-	100	3 Hrs
CED205	Concrete Technology	4		4	20	80	-	-	100	3 Hrs
CED221	LAB I: Strength of Material	-	2	2	-	-	25	25	50	
CED222	LAB II: Fluid Mechanics	-	2	2	-	-	25	25	50	
CED223	LAB III: Surveying I	-	2	2	-	-	25	25	50	
CED224	LAB IV: Concrete Technology	-	2	2	-	-	50	-	50	
CED225	LAB V: Computer Lab-I	-	2	2	-	-	50	-	50	
	Total	20	10	30	100	400	175	75	750	

SUB NO.	SEMESTER -II	CONTACT HRS. /WEEK				EXAMINATION SCHEME				DURATION OF THEORY EXAMINATION
		L	P	TOTAL	CT	TH.	TW.	P	TOTAL	
BSH251	Engineering Mathematics-IV	4		4	20	80			100	3 Hrs
CED253	Building Construction & Drawing	4		4	20	80			100	3 Hrs
CED254	Fluid Mechanics-II	4		4	20	80			100	3 Hrs
CED255	Surveying-II	4		4	20	80			100	3 Hrs
CED256	Theory of Structure	4		4	20	80			100	3 Hrs
CED271	LAB VI: Building Construction & Drawing		4	4			50	25	75	
CED272	LAB VII: Fluid Mechanics-II		2	2			25	25	50	
CED273	LAB VIII: Surveying-II		2	2			25	25	50	
CED274	LAB IX: Computer Lab-II		2	2			25		25	
BSH275	LAB X: Communication Skill		2	2			50		50	
	Total	20	12	32	100	400	175	75	750	

L: Lecture hours per week

T: Tutorial Hours per week P: Practical hours per week

CT: Class Test

TH: University Theory Examination TW: Term Work

P: Practical / Oral Examination

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Subject Code	Subject	Teaching Scheme Hrs / Week			Exam Scheme .			Total
		Theory Lecture	Pract.	Total	Theory		Term Work	
3001 (C)	Theory of Structure II	04	--	04	100		--	-- 100
3002 (C)	Design of structure I. (Steel)	04	--	04	100		50	50 200
3003 (C)	Engg Geology & Rock Mechanics	04	02	06	100		25	25 150
3004 (C)	Build. Planning & Design	04	04	08	100		50	50 200
3005 (C)	Transportation Engg - I	04	02	06	100		00	-- 100
	Total	20	10	30	500		125	125 750

P ART II

3007 (C)	Environmental Engg -I	04	--	04	100		---	---	100
3008 (C)	Design of structure II (RCC)	04	---	04	100	---	---	---	100
3009 (C)	Geotechnical Engg.	04	02	06	100		25	25	150
3010(C)	WRE -I	04	---	04	100		--	-	100
3011 (C)	Professional Practice	04	04	08	100		50	25	175
30012(C)	SDD - II (Practical)	--	04	04	---	---	50	25	75
	Case Study	00	02	02	00		25	25	50
	Total	20	12	32	500		150	100	750

Total of Part - I 750

Total of Part - II 750

Grand Total I & II = 1500



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FACULTY OF ENGINEERING AND TECHNOLOGY
Proposed Revised Structure of TE (Civil)

W.E.F 2013-14

Semester-I

Subject Code	Subject	Contact hrs/Week			Examination				
		Th.	Pr	Total	Th.	CT	TW	Pr. / Oral	Total
CED301	Theory of Structure - II	4	-	4	80	20	-	-	100
CED302	Design of Structure - I (Steel)	4	-	4	80	20	-	-	100
CED303	Building Planning and Design	4	-	4	80	20	-	-	100
CED304	Engineering Geology	4	-	4	80	20	-	-	100
CED305	Transportation Engineering I	4	-	4	80	20	-	-	100
CED306	Advanced Surveying	2	-	2	40	10	-	-	50
CED321	Lab I: Building Planning and Design	-	4	4	-	-	50	25	75
CED322	Lab II: Engineering Geology	-	2	2	-	-	25	25	50
CED323	Lab III: Advanced Surveying	-	2	2	-	-	25	-	25
BSH331	Lab IV: Communication Skill- II	-	2	2	-	-	-	50*	50
	TOTAL	22	10	32	440	110	100	100	750

* Online Exam

Semester-II

Subject Code	Subject	Contact Hrs/Week			Examination Scheme				
		Th.	Pr	Total	Th.	CT	TW	Pr. / Oral	Total
CED351	Design of Structure-II (RCC)	4	-	4	80	20	-	-	100
CED352	Environmental Engineering - I	4	-	4	80	20	-	-	100
CED353	Geotechnical Engineering	4	-	4	80	20	-	-	100
CED354	Water Resource Engineering	4	-	4	80	20	-	-	100
CED355	Transportation Engineering - II	4	-	6	80	20	-	-	100
CED371	Lab V: Structural Design and Drawing-I (Steel)	-	4	4	-	-	50	50	100
CED372	Lab VI: Geotechnical Engineering	-	2	2	-	-	25	25	50
CED373	Lab VII: Transportation Engineering - II	-	2	2	-	-	25	25	50
CED374	Lab VII: Computer Lab- III	0	2	2	-	-	50	-	50
	TOTAL	20	10	30	400	100	150	100	750

Th. = Theory, Pr. = Practical, CT = Class Test, TW = Term Work



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B.E CIVIL UPTO M/J 2014

PART-I

Subject Code	Subject	Teaching Scheme			Examination Scheme			
		Theory	Practical	Total	Theory	Term Work	Practical	Total
4001	EE-II	4	2	6	100	25	25	150
4002	WRE-II	4	2	6	100	25	25	150
4003	DS-III	4		4	100			100
4004	FE	4		4	100			100
4005	Elective- I	4	2	6	100	50		150
4006	Project -I		2	2		50		50
4007	Seminar						50	50
	Implant Training							
		20	8	28	500	150	100	750

Elective-I

1. Town Planning
2. Computer Application in Civil Engineering
3. Prestressed concrete



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PART-II

Subject Code	Subject	Teaching Scheme			Examination Scheme			
		Theory	Practical	Total	Theory	Term Work	Practical	Total
4008	Structural Mechanics	4		4	100			100
4009	TE-II	4	2	6	100	25	25	150
4010	Construction Management	4	2	6	100	25	25	150
4011	Elective-II	4	2	6	100	50		150
4012	Project -II		4	4		50	100	150
4013	Seminar -II		2	2		50		50
		16	12	28	400	200	150	750

Elective- II

1. Advanced Structure
2. Industrial Waste Treatment
3. Geographical Information System
4. Earthquake Engineering
5. Pavement Engineering



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FACULTY OF ENGINEERING AND TECHNOLOGY
Structure of BE (Civil) [w.e.f. 2014-2015]
Semester-I

Subject Code	Subject	Contact hrs/Week			Examination				
		Th.	Pr.	Total	Th.	CT	TW	Pr. / Oral	Total
CED401	Environmental Engineering - II	4	-	4	80	20	-	-	100
CED402	Water Resources Engineering - II	4	-	4	80	20	-	-	100
CED403	Design of Structures - III	4	-	4	80	20	-	-	100
CED404	Foundation Engineering	4	-	4	80	20	-	-	100
CED441 TO CED446	Elective - I	4	-	4	80	20	-	-	100
CED421	Lab I: Environmental Engineering - II	-	2	2	-	-	25	25	50
CED422	Lab II: Water Resources Engineering - II	-	2	2	-	-	25	25	50
CED423	Lab III: Elective-I	-	2	2	-	-	25	-	25
CED424	Lab IV: Structural Design and Drawing - II	-	4	4	-	-	50	50	100
CED425	Lab V: Project - I	-	2	2	-	-	25	-	25
	TOTAL	20	12	32	400	100	150	100	750

Semester-II

Subject Code	Subject	Contact Hrs/Week			Examination Scheme				
		Th.	Pr.	Total	Th.	CT	TW	Pr. / Oral	Total
CED451	Structural Mechanics	4	-	4	80	20	-	-	100
CED452	Construction Management	4	-	4	80	20	-	-	100
CED453	Professional Practice	4	-	4	80	20	-	-	100
CED491 TO CED496	Elective - II	4	-	4	80	20	-	-	100
CED471	Lab VI: Construction Management	-	2	2	-	-	25	25	50
CED472	Lab VII: Professional Practice	-	4	4	-	-	50	25	75
CED473	Lab VIII: Elective - II	-	2	2	-	-	25	-	25
CED474	Lab IX: Seminar	-	2	2	-	-	50	-	50
CED475	Lab X: Project - II	-	4	4	-	-	50	100	150
	TOTAL	16	14	30	320	80	200	150	750

Abbreviations: Th. = Theory, Pr. = Practical, CT = Class Test, TW = Term Work

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Bhartiya gramin punarrachna sanstha's
HI-TECH INSTITUTE OF TECHNOLOGY
P-119, BAJAJ NAGAR, AURANGABAD

Name of Programme:
First year of Engineering

No. of Courses and Course Structures

ACADEMIC YEAR	F.E.	
	Part-I	Part-II
2012-13	6	6
2013-14	6	6
2014-15	6	6
2015-16	6	6
2016-17	7*	7*

(*) indicates that the syllabus was revised in that academic year by the affiliating university

K. D. Patil
Head of Dept.



T. P. Patel
Principal
Principal
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FACULTY OF ENGINEERING AND TECHNOLOGY**Proposed Revised Structure**

[First Year common to all branches]

Sub No.	SEMESTER-I Subject	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
		L	T	P	Total	CT	TH	TW	P	Total	
BSH101	Engineering Mathematics-I	3	1	-	4	20	80	-	-	100	3 Hrs
BSH102/ BSH103	Engineering Physics/ Engineering Chemistry and Environmental science	4	-	-	4	20	80	-	-	100	3 Hrs
MED104	Engineering Graphics	2	-	-	2	20	80	-	-	100	4 Hrs
EED105	Elements of Electrical Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
CED106	Elements of Civil Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
BSH121/ BSH122	Lab I/Lab II Engineering Physics/ Engineering Chemistry and Environmental science	-	-	2	2	-	-	50	-	50	
MED123	Lab III Engineering Graphics	-	-	4	4	-	-	50	-	50	
EED124	Lab IV Elements of Electrical Engineering	-	-	2	2	-	-	50	-	50	
CED125	Lab V Elements of Civil Engineering	-	-	2	2	-	-	50	-	50	
MED126	Lab VI Workshop Practice-I	-	-	2	2	-	-	50	-	50	
	Total	17	1	12	30	100	400	250	-	750	

Sub No.	SEMESTER-II Subject	Contact Hrs / Week				Examination Scheme					Duration of Theory Examination
		L	T	P	Total	CT	TH	TW	P	Total	
BSH151	Engineering Mathematics-II	3	1	-	4	20	80	-	-	100	3 Hrs
BSH103/ BSH102	Engineering Chemistry and Environmental science/ Engineering Physics	4	-	-	4	20	80	-	-	100	3 Hrs
CED152	Engineering Mechanics	4	-	-	4	20	80	-	-	100	3 Hrs
MED153	Elements of Mechanical Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
EXD154	Elements of Electronics and Computer Engineering	4	-	-	4	20	80	-	-	100	3 Hrs
BSH122/ BSH121	Lab II/Lab I Engineering Chemistry and Environmental science/ Engineering Physics	-	-	2	2	-	-	50	-	50	
CED171	Lab VII Engineering Mechanics	-	-	2	2	-	-	50	-	50	
MED172	Lab VIII Elements of Mechanical Engineering	-	-	2	2	-	-	50	-	50	
EXD173	Lab IX Elements of Electronics and Computer Engineering	-	-	2	2	-	-	50	-	50	
MED174	Lab X Workshop Practice-II	-		2	2			-	50	-	50
	Total	19	1	10	30	100	400	250	-	750	

L: Lecture hours per week T: Tutorial hours per week

TH: University Theory Examination TW: Term Work

P: Practical hours per week

P: Practical/Oral Examination

CT: Class Test

The College/Institute shall divide First Year Divisions in two Groups and offer Engineering Physics in First Semester for First Group of Divisions and Engineering Chemistry and Environmental Science to Second Group of Divisions. In Second Semester the Engineering Physics Group of Divisions shall study Engineering Chemistry and Environmental Science and Engineering Chemistry and Environmental Science Group of Divisions shall study Engineering Physics.



Hi-Tech Institute of Technology
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Sub.Code	Semester-I Subject	Contact Hrs/Week				Examination Scheme						Duration of Theory Exam
		L	T	P	Total	CT	TH	TW	P	Total	Credits	
BSH101	Engineering Mathematics-I	4	-	-	4	20	80	-	-	100	4	3
BSH102 / BSH 103	Engineering Physics / Engineering Chemistry and Environmental Science	4	-	-	4	20	80	-	-	100	4	3
MED 104	Engineering Graphics	4	-	-	4	20	80	-	-	100	4	4
EED 105	Basic Electrical Engineering	4	-	-	4	20	80	-	-	100	4	3
CED 106	Basic Civil Engineering	2	-	-	2	10	40	-	-	50	2	2
CSE 107	Computer Fundamentals -I	2	-	-	2	10	40	-	-	50	2	2
BSH121 / BSH 122	Lab-I/Lab-II Engineering Physics / Engineering Chemistry and Environmental Science	-	-	2	2	-	-	50	-	50	1	
MED123	Lab-III Engineering Graphics	-	-	2	2	-	-	50	-	50	1	
EED 124	Lab-IV Basic Electrical Engineering	-	-	2	2	-	-	50	-	50	1	
CED 125	Lab-V Basic Civil Engineering	-	-	2	2	-	-	50	-	50	1	
CSE 126	Lab-VI Computer Fundamentals-I	-	-	2	2	-	-	50	-	50	1	
MED 127	Lab-VII Workshop Practice -I	-	-	2	2	-	-	50	-	50	1	
		20	0	12	32	100	400	300	-	800	26	



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Sub.Code	Semester-II Subject	Contact Hrs/Week				Examination Scheme					Duration of Theory Exam	
		L	T	P	Total	CT	TH	TW	P	Total		
BSH 151	Engineering Mathematics-II	4	-	-	4	20	80	-	-	100	4	3
BSH 102 / BSH 103	Engineering Physics / Engineering Chemistry and Environmental Science	4	-	-	4	20	80	-	-	100	4	3
CED 152	Engineering Mechanics	4	-	-	4	20	80	-	-	100	4	3
MED 153	Basic Mechanical Engineering	4	-	-	4	20	80	-	-	100	4	3
ECT 154	Basic Electronics Engineering	2	-	-	2	10	40	-	-	50	2	2
CSE 155	Computer Fundamentals -2	2	-	-	2	10	40	-	-	50	2	2
BSH 121 / BSH 122	Lab-I/Lab-II Engineering Physics / Engineering Chemistry and Environmental Science	-	-	2	2	-	-	50	-	50	1	
CED 171	Lab-VIII Engineering Mechanics	-	-	2	2	-	-	50	-	50	1	
MED 172	Lab-IX Basic Mechanical Engineering	-	-	2	2	-	-	50	-	50	1	
ECT 173	Lab-X Basic Electronics Engineering	-	-	2	2	-	-	50	-	50	1	
CSE 174	Lab-XI Computer Fundamentals -2	-	-	2	2	-	-	50	-	50	1	
MED 175	Lab-XII Workshop Practice -II	-	-	2	2	-	-	50	-	50	1	
		20	0	12	32	100	400	300		800	26	



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Principal
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