


**1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum**

**RTMNU SYLLABUS - INFORMATION TECHNOLOGY**

R.T.M. NAGPUR UNIVERSITY, NAGPUR (Revised Curriculum as per AICTE Model Curriculum) SCHEME OF EXAMINATION FOR FOUR YEAR BACHELOR OF ENGINEERING (B. E.) DEGREE COURSE SEMESTER: THIRD BRANCH: INFORMATION TECHNOLOGY																
Sr. No.	Subject Code	Subject	WorkLoad				Credit				Theory		Practical		Total Marks	Category
			Lecture	Practical	Tutorial/Activity	Total	L	P	T/A	Total	Internal	University	Internal	University		
1	BEIT301T	Applied Mathematics-III	3		1	4	3		1	4	30	70			100	BSC
2	BEIT302T	Programming Logic & Design using 'C'	3			3	3			3	30	70			100	PCC
3	BEIT302P	Programming Logic & Design using 'C'		2		2		1		1			25	25	50	PCC
4	BEIT303T	Digital Electronics and Fundamental of Microprocessor	3		1	4	3		1	4	30	70			100	ESC
5	BEIT303P	Digital Electronics and Fundamental of Microprocessor		2		2		1		1			25	25	50	ESC
6	BEIT304T	Emerging Trends in Information Technology	3			3	3			3	30	70			100	PCC
5	BEIT305T	System Programming	3			3	3			3	30	70			100	PCC
7	BEIT306P	Software Lab -I		2		2		1		1			25	25	50	LC
8	BEIT307T	Universal Human Values	2			2	2			2	15	35			50	HSMC
9	BEIT308T	Environmental Science (Audit)	2			2	-	-	-	-						MC
		Total	19	6	2	27	17	3	2	22	165	385	75	75	700	

  
Dr. S.V. Sonelkar  
Chairman.

**RTMNU SYLLABUS CIVIL ENGINEERING**

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**BE CIVIL ENGINEERING**  
**(CHOICE BASED CREDIT SYSTEM)**

**BECVE306T- EFFECTIVE TECHNICAL  
COMMUNICATION  
SYLLABUS**

Details of Topic	Allotment of Hours		Mapped with CO Number
	L	T/A	CO
<b>UNIT NO.1 : Functional Grammar</b>	6		
Common errors, Transformation of Sentences, Phrases, Idioms & Proverbs.  [50 sentences of common errors, 50 examples of Transformation of Sentences, (5 each type), 50 noun/prepositional phrases, 50 idioms/proverbs]			
<b>UNIT NO.2: English for Competitive Exams &amp; Interview Techniques:</b>	6		
IPA (vowel & consonant phonemes), Word building (English words /phrases derived from other languages), Technical Jargons, Synonyms/Antonyms, Analogies, Give one word for, Types & Techniques of Interview  Assignment : [ 25 Words for teaching IPA, 25 words/phrases of foreign origin, 25 technical jargons, 25 words for Synonyms/ Antonyms, 25 words for Analogies, 50 examples of give one word for]			
<b>UNIT NO.3 Formal Correspondence</b>	6		
Business Letters, e-mail etiquettes [Orders, Complaints, Enquiries, Job applications and Resume Writing, Writing Memorandum, Circulars, notices]			
<b>UNIT NO.4 Analytical comprehension</b>	4		
Four fictional & four non-fictional unseen texts			

UNIT NO.5 Technical & Scientific Writing:	6		
Features of Technical Writing, Writing Scientific Projects, Technical Report writing, Writing Manuals, Writing Project Proposals, Writing Research papers. Assignment: (Any one project/review as assignment)			

Reference Books:

1. Effective technical Communication by Barun K. Mitra, Oxford University Press,
2. Technical Communication- Principles and Practice by Meenakshi Raman & Sharma, Oxford University Press, 2011, ISBN-13-978-0-19-806529-
3. The Cambridge Encyclopedia of the English Language by David Crystal, Cambridge University Press
4. Contemporary Business Communication by Scot Ober, Published by Biztantra,
5. BCOM-A South-Asian Perspective by C. Lehman, D. DuFrene & M. Sinha, Cengage Learning Pvt. Ltd. 2012
6. Business English, by Dept of English, University of Delhi, Published by Dorling Kindersley (India), Pvt. Ltd., 2009, ISBN 978 81 317 2077 6
7. How to Prepare a Research Proposal: Guidelines for Funding and Dissertations in the Social and Behavioral Sciences by Krathwohl & R. David
8. Technical Writing- Process and Product by Sharon J. Gerson & Steven M. Gerson, 3rd edition, Pearson Education Asia, 2000
9. Developing Communication skills by Krishna Mohan & Meera Banerjee

1. A. M. Shingarey  
A.M. SHINGAREY

2. Rohit S. Mane  
(Rohit S. Mane)

3. A. M. Pande  
(Dr. A.M. Pande)

4. A. M. Shingarey  
Dr. A.M. Shingarey

5. Tushar G. Shende  
Tushar G. Shende

6. A. N. Balhade  
(Dr. A.N. Balhade)

7. Dr. A.N. Shrikhande  
(Dr. A.N. Shrikhande)  
Chairman, BOS (CivE)

**R.T. M. Nagpur University, Nagpur**  
**FOUR YEAR B.E. COURSE**

B.E. SCHEME OF EXAMINATION wef: 2021-22

Scheme of Teaching & Examination of Bachelor of Engineering III Semester B.E. (Computer Science and Engineering)

Scheme of Teaching & Examination of Bachelor of Engineering III Semester B.E. (Computer Science and Engineering)												
Sr. No.	Course Code	Category	Course Name	Hours/Week			Credits	Maximum Marks				
				L	T	P		Theory		Practical		Total
								Internal	University	Internal	University	
1	BECSE301T	Basic Sciences courses	Applied Mathematics – III	3	1	-	4.00	30	70	-	-	100
2	BECSE302T	Professional core courses	Object Oriented Programming with Java	3	1	-	4.00	30	70	-	-	100
3	BECSE303T	Professional core courses	Operating System	3	-	-	3.00	30	70	-	-	100
4	BECSE304T	Professional core courses	Computer Architecture & Digital System	3	1	-	4.00	30	70	-	-	100
5	BECSE305T	Professional core courses	Ethics in IT	3	-	-	3.00	30	70	-	-	100
6	BECSE306T	Humanities Social and Management Courses	Universal Human Values	2	-	-	2.00	15	35	-	-	50
7	BECSE307T	Mandatory Course	Environment Science (Audit)	2	-	-	0.00	-	-	-	-	-
8	BECSE302P	Professional core courses	Object Oriented Programming with Java Lab	-	-	2	1.00	-	-	25	25	50
9	BECSE303P	Professional core courses	Operating System Lab	-	-	2	1.00	-	-	25	25	50
10	BECSE308P	Professional core courses	Computer Workshop-I Lab	-	-	2	1.00	-	-	25	25	50
Total				19	3	6	23.00	165	385	75	75	700

*S. V. Sonekar*  
Dr. S. V. Sonekar  
Chairman.

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

SEMESTER: SIXTH (C.B.S.)

BRANCH: COMPUTER SCIENCE & ENGINEERING

Sr. No.	Subject	Workload				Credit				Marks				
		L	P	T	Total	L	P	T	Total	Theory		Practical		Total Marks
										Sess.	Univ.	Sess.	Univ.	
1 BECSE306T	Artificial Intelligence	4	-	1	5	4	-	1	5	20	80	-	-	100
2 BECSE307T	Design Patterns	4	-	1	5	4	-	1	5	20	80	-	-	100
3 BECSE307P	Design Patterns lab	-	2	-	2	-	1	-	1	-	-	25	25	50
4 BECSE308T	Software Engineering & Project Management	4	-	1	5	4	-	1	5	20	80	-	-	100
5 BECSE309T	Computer Networks	4	-	1	5	4	-	1	5	20	80	-	-	100
6 BECSE309P	Computer Networks Lab	-	2	-	2	-	1	-	1	-	-	25	25	50
7 BECSE310T	Functional English	2	-	1	3	2	-	1	3	10	40	-	-	50
8 BECSE311P	Mini Project	-	2	-	2	-	2	-	2	-	-	25	25	50
	<b>Total</b>	<b>18</b>	<b>6</b>	<b>5</b>	<b>29</b>	<b>18</b>	<b>4</b>	<b>5</b>	<b>27</b>	<b>90</b>	<b>360</b>	<b>75</b>	<b>75</b>	<b>600</b>