

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Absorption Scheme for B.E.(C.B.S.) to B.Tech.(C.B.C.S)

Branch : COMPUTER ENGINEERING

THIRD SEMESTER (CBS)

THIRD SEMESTER (CBCS)

SR.NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/ Practical
1	BECES3-1	Applied Mathematics-III	Theory	BTCME301T	Mathematics - III	Theory
2	BECES3-2	Digital Electronics	Theory	BTCME302T	Digital Circuits & Fundamentals of Microprocessor	Theory
3	BECES3-2	Digital Electronics Lab	Practical	BTCME307P	Digital Circuits & Fundamentals of Microprocessor	Practical
4	BECES3-3	Concepts in Computer Engineering	Theory	BTCME603.2T	EII: Internet of Things	Theory
5	BECES3-4	Programming Methodology and Data Structures	Theory	BTCME404T	Data Structure	Theory
6	BECES3-4	Programming Methodology and Data Structures	Practical	BTCME404P	Data Structure Lab	Practical
7	BECES3-5	Introduction to Computer Network	Theory	BTCME305T	Introduction to Computer Network	Theory
8	BECES3-6	Environmental Engineering-I	Practical	BTCME308T	Environmental Science	Practical
9	BECES3-7	Computer Lab-I	Practical	BTCME307P	Computer Workshop-I (Lab)	Practical

Dr. Ravindra Joshi

A. Kulkarni

Ashesh Sharma

Dr. Akshay Malik
13/2/24

Dr. N.M. Tukade

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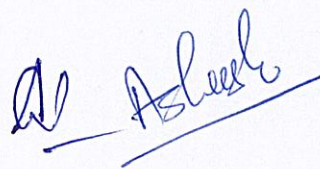
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FOURTH SEMESTER (CBS)

FOURTH SEMESTER (CBCS)

SR.NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/ Practical
1	BECES4-1	Discrete Structures	Theory	BTCME401T	Discrete Mathematics and Graph Theory	Theory
2	BECES4-2	File Structure and Data Processing	Theory	BTCME402T	Operating System	Theory
3	BECES4-3	Microprocessor	Theory	BTCME504.1T	E1: Microprocessors & Applications	Theory
4	BECES4-3	Microprocessor Lab	Practical	BTCME402P	Operating System Lab	Practical
5	BECES4-4	Numerical Computational Techniques	Theory	BTCME603.3T	EII-Soft Computing	Theory
6	BECES4-5	Object Oriented Methodology	Theory	BTCME303T	Object Oriented Programming	Theory
7	BECES4-5	Object Oriented Methodology Lab	Practical	BTCME303P	Object Oriented Programming Lab	Practical
8	BECES4-6	Computer Lab-II	Practical	BTCME407P	Web Technology Lab	Practical



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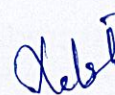
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FIFTH SEMESTER (CBS)

FIFTH SEMESTER (CBCS)

SR.NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/ Practical
1	BECE5-1	Theory of Computation	Theory	BTCME304T	Theory of Computation	Theory
2	BECE5-2	Computer Architecture Organization	Theory	BTCME405T	Computer Architecture Organization	Theory
3	BECE5-3	TCP/IP and Internet	Theory	BTCME602T	TCP/IP	Theory
4	BECE5-3	TCP/IP and Internet Lab	Practical	BTCME602P	TCP/IP Lab	Practical
5	BECE5-4	Computer Graphics	Theory	BTCME502T	Computer Graphics	Theory
6	BECE5-4	Computer Graphics Lab	Practical	BTCME502P	Computer Graphics Lab	Practical
7	BECE5-5	Industrial Economics and Enterprenurship Development	Theory	BTCME410T	Consumer Affairs	Theory
8	BECE5-6	Computer Lab -III (Based on VT)	Practical	BTCME606P	Emerging Technology Lab	Practical



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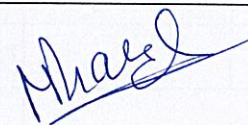
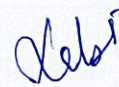
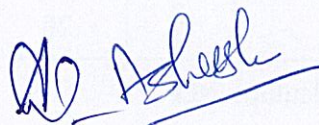
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Branch : COMPUTER ENGINEERING

SIXTH SEMESTER (CBS)

SIXTH SEMESTER (CBCS)

SR.NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/ Practical
1	BECES6-1	System Software	Theory	BTCME406T	System Programming	Theory
2	BECES6-2	Design and Analysis of Algorithms	Theory	BTCME601T	Design and Analysis of Algorithms	Theory
3	BECES6-2	Design and Analysis of Algorithms Lab	Practical	BTCME601P	Design and Analysis of Algorithms Lab	Practical
4	BECES6-3	Database Management System	Theory	BTCME501T	Database Management System	Theory
5	BECES6-3	Database Management System Lab	Practical	BTCME501P	Database Management System lab	Practical
6	BECES6-4	Software Engineering & Project Management	Theory	BTCME504.3T	E1: Software Engineering	Theory
7	BECES6-4	Software Engineering & Project Management Lab	Practical	BTCME608P	Seminar/ Presentation on Current Trends	Practical
8	BECES6-5	Communicative English	Theory	BTCME505T	Humanities - II Effective Technical communication	Theory
9	BECES6-6	Mini Project & Industrial Visit	Practical	BTCME607P	Mini Project & Internship	Practical



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Seventh Semester As per (CBS) Pattern				As per CBCS			
SR. NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/Practical	Sem
1	BECME701T	Operating System	Theory	BTCME702T(i)	Elective 4: Deep Learning	Theory	7
2	BECME702T	Advance Microprocessor & Microcontroller	Theory	BTCME702T(ii)	Elective 4: Block chain Technology	Theory	7
3	BECME703T	Information Assurance and Network Security	Theory	BTCME701T	Cryptography & Network Security	Theory	7
4	BECME704T(ii)	Elective 1: Compiler Construction	Theory	BTCME703.1T	Ele - V – Compiler Design	Theory	7
5	BECME704T(ii)	Elective 1: Soft Computing	Theory	BTCME703.2T	Ele - V - Natural Language processing	Theory	7
6	BECME704T(ii)	Elective 1: Data Warehousing & Mining	Theory	BTCME604.3T	Data Warehousing & Mining	Theory	6
7	BECME705T(i)	Elective 2: Digital Signals & Image Processing	Theory	BTCME605.1T	Digital Image Processing	Theory	6
8	BECME705T(ii)	Elective 2: Web Technologies	Theory	BECME402 T	Web Technology	Theory	4
9	BECME705T(ii)	Elective 2: Enterprise Resource Planning	Theory	BTCME702T(iii)	Elective 4: Augmented & Virtual Reality	Theory	8
10	BECME703P	Information Assurance & Network Security Lab	Practical	BTCME701P	Cryptography & Network Security- Lab	Practical	7
11	BECME706P	Seminar on Project	Practical	BTCME707P	Project Phase –I	Practical	7

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 Dr. P. V. Kulkarni

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 A. Kulkarni (Ashresh Sharma)

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12	BECME702P	Advanced Microprocessors & Microcontrollers Lab	Practical	BTCME707P	Project Phase –I	Practical	7
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Eight Semester As per (CBS) Pattern

As per (CBCS) Pattern

SR. NO.	Code	Subject	Theory/ Practical	Code	Subject	Theory/Practical	Sem
1	BECME801T	Unix & Shell Programming	Theory	BTCME801T	GPU Architecture & Programming	Theory	8
2	BECME801P	Unix & Shell Programming	Practical	BTCME803P	Project Work**/ Industry Project (Phase- II)	Practical	8
3	BECME802T	Distributed & Grid Computing	Theory	BTCME604.1T	Distributed Computing	Theory	6
4	BECME802P	Distributed & Grid Computing Lab	Practical	BTCME803P	Project Work**/ Industry Project (Phase- II)	Practical	8
5	BECME803T(i)	Elective 3: Wireless Communication and Mobile Computing	Theory	BTCME605.2T	OE-I-Mobile Computing	Theory	6
6	BECME803T(ii)	Elective 3: Software Testing & Quality Assurance	Theory	BTCME703.3T	Ele - V - Introduction to Software Testing	Theory	7
7	BECME803T(ii i)	Elective 3: Bioinformatics and Cyber Security	Theory	BTCME801T	Elective 6: Social Networks	Theory	8
8	BECME804T(i)	Elective 4: Real time OS	Theory	BTCME802T	Elec 7: Predictive Analytics - Regression and Classification	Theory	8
9	BECME804T(ii)	Elective 4: Expert System Design	Theory	BTCME802T	Elec 7: Data Analytics using Python	Theory	8
10	BECME804T(ii i)	Elective 4: Multimedia System	Theory	BTCME704T	Data Visualization	Theory	7
11	BECME805P	Project	Practical	BTCME803P	Project Work**/ Industry Project (Phase- II)	Practical	8

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