

**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR**  
**FOUR YEAR BACHELOR OF TECHNOLOGY (B. Tech..) DEGREE COURSE**  
**SEMESTER: VI (C.B.C.S.)**  
**BRANCH: COMPUTER SCIENCE AND ENGINEERING**

**Examination Scheme and Syllabus**

**Sixth Semester:-**

S. N.	Subject	Teaching Scheme			Evaluation Scheme			Credits	Category
		L	T	P	CA	UE	Total		
1	Compiler Design	4	-	-	30	70	100	4	PCC-CS
2	Compiler Design -Lab	-	-	2	25	25	50	1	PCC-CS
3	Elective-II	3	-	-	30	70	100	3	PEC-CS
4	Elective-III	3	-	-	30	70	100	3	PEC-CS
5	Open Elective-I	3	-	-	30	70	100	3	OEC
6	Professional Skills Lab II	-	-	2	25	25	50	1	PCC-CS
7	Hardware Lab	-	-	2	25	25	50	1	ESC
8	Mini Project	-	-	6	50	50	100	3	PROJ-CS
9	Economics of IT Industry	2	-	-	15	35	50	2	HSMC
10	Intellectual Property Rights (Audit Course)	2	-	-	50	-	-	Audit	PCC
	<b>Total</b>	<b>17</b>	<b>-</b>	<b>12</b>			<b>700</b>	<b>21</b>	

**Elective-II:** - 1. Machine Learning 2. Internet of Things 3. Cluster and Cloud Computing

**Elective-III:** - 1. Data Science 2. Distributed Operating Systems 3. Human Computer Interaction

**Open Elective 1:-** 1. Linux Fundamentals 2. Android Application Development 3. Blockchain Technologies

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Subject: **Economics of IT industry**

Subject Code: **BTECH-CSE-608T**

Load	Credits	College Assessment Marks	University Evaluation	Total Marks
<b>2 Hrs /Week</b>	<b>2</b>	<b>15</b>	<b>35</b>	<b>50</b>

**Course Objective:**

Objective of the course is to make learners aware about the impact of Information Communication technology (ICT) and Information Technology (IT) revolution on Indian Economy and their seamless interaction.

1. The learners will be able to distinguish between Micro and Macro economics
2. The learners will be able to relate economics concept with IT industry
3. The learners will be able to identify key trends in IT industry
4. The learners will be able to understand the key economic drivers of IT industry.

**SYLLABUS:**

**UNIT 1:**

Difference between Micro and Macroeconomics, law of demand and supply, concept and types of elasticity of demand, deflation and recession.

**UNIT 2:**

Role of Information and technology industry in economic growth of the country, labour intensive verses capital intensive industry, the concept of digital economy and digital age, digital divide, various phases of business cycle.

**UNIT 3:**

Merger and acquisition, types of merger, advantages of merger, hostile takeover, concept of top line and bottom line growth, Contribution of E-Commerce in economic growth, information technology and environment- the challenge of E - waste.

**UNIT 4:**

Venture and angel funding as sources of finance, organic verses inorganic growth model, 5 level capability maturity model of IT industry, Concept of agile organization

**List of Reference Books:**

1. Modern economic theory by K.K.Dewett,
2. Information and economic development by Yutuka Khurana, IGI Global publisher.
3. The economics of information technology by Paul Jowett, Margaret Rothwell. St Martin Press New York.
4. Industrial Economics. By, Ranjana Seth, Ane Book Pvt Ltd.