



# Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi  
Affiliated to JNTUH, Hyderabad.

## **COURSEFILE**

**ON**  
**BUSINESS ECONOMICS AND FINANCIAL ANALYSIS**  
**Course Code–SM402MS**

**II B .Tech II-SEMESTER**

**A.Y.2022-2023**

**Prepared by**

**Mr. U.Fanidara Bhardwaj Sharma**  
**Assistant Professor**

*B. Ravi Kaul*  
Computer Science & Engg. Dept.  
SRI INDU INSTITUTE OF ENGG & TECH.  
Sheriguda(V), Ibrahimpatnam(M), R.R.Dist-501 1C.

  
**PRINCIPAL**  
Sri Indu Institute of Engineering & Tech.  
Sheriguda(VIII), Ibrahimpatnam  
R.R. Dist. Telangana-501 510.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year	2022-2023
Course Title	<b>BUSINESS ECONOMICS AND FINANCIAL ANALYSIS</b>
Course Code	<b>SM402MS</b>
Programme	B.Tech
Year & Semester	I year II-semester
Branch & Section	CSE-B
Regulation	R18
Course Faculty	<b>Mr.U.Fanidara Bhardwaj Sharma</b> Assistant Professor

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## INSTITUTE VISION AND MISSION

### Vision:

To become a premier institute of academic excellence by providing the world class education that transforms individuals into high intellectuals ,by evolving them as empathetic and responsible citizens through continuous improvement.

### Mission:

**IM1:** To offer outcome-based education and enhancement of technical and practical skills.

**IM2:** To Continuous assess of teaching-learning process through institute-industry collaboration.

**IM3:** To be a centre of excellence for innovative and emerging fields in technology development with state-of-art facilities to faculty and students fraternity.

**IM4:** To Create an enterprising environment to ensure culture ,ethics and social responsibility among the stakeholders.

*B. Rakha Kaur*  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### DEPARTMENT VISION AND MISSION

#### Vision:

To become a recognized center in the field of Electronics and Communication Engineering by producing creative engineers with social responsibility and address ever-changing global challenges.

#### Mission:

**DM1:** To facilitate an academic environment that enables student's centric learning.

**DM2:** To provide state-of-the-art hardware and software technologies to meet industry requirements.

**DM3:** To continuously update the Academic and Research infrastructure.

**DM4:** To Conduct Technical Development Programs for overall professional caliber of Stake Holders.

*B. Renuka Kaul*  
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## PROGRAM EDUCATIONAL OBJECTIVES

Program Educational objectives are to Promote:

**PEO1:** Graduates with a strong foundation in Electronics and Communication Engineering, Science and Technology to become successful in the chosen professional career.

**PEO2:** Graduates with ability to execute innovative ideas for Research and Development with continuous learning.

**PEO3:** Graduates inculcated with industry based soft-skills to enable employability.

**PEO4:** Graduates demonstrate with ability to work in interdisciplinary teams and ethical professional behavior.

## PROGRAM SPECIFIC OUTCOMES

**PSO1: Design Skills:** Design analysis and development of an economical system in the area of Embedded system & VLSI design.

**PSO2: Software Usage:** Ability to investigate and solve the engineering problems using MATLAB, Keil and Xilinx.

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## PROGRAM OUTCOMES

- 1. ENGINEERING KNOWLEDGE:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. PROBLEM ANALYSIS:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. DESIGN/DEVELOPMENT OF SOLUTIONS:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. MODERN TOOL USAGE:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 6. THE ENGINEER AND SOCIETY:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. ENVIRONMENT AND SUSTAINABILITY:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. ETHICS:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. INDIVIDUAL AND TEAM WORK:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. COMMUNICATION:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.
- 11. PROJECT MANAGEMENT AND FINANCE:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. LIFE-LONG LEARNING:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**  
**HYDERABAD B .Tech in COMPUTERSCIENCE AND ENGINEERING**  
**COURSE STRUCTURE & SYLLABUS(R18)**

Applicable From 2018-19 Admitted Batch

**II YEAR I SEMESTER**

S.No.	Course Code	Course Title	L	T	P	Credits
1	CS301ES	Analog and Digital Electronics	3	0	0	3
2	CS302PC	Data Structures	3	1	0	4
3	MA303BS	Computer Oriented Statistical Methods	3	1	0	4
4	CS304PC	Computer Organization and Architecture	3	0	0	3
5	CS305PC	Object Oriented Programming using C++	2	0	0	2
6	CS306ES	Analog and Digital Electronics Lab	0	0	2	1
7	CS307PC	Data Structures Lab	0	0	3	1.5
8	CS308PC	IT Workshop Lab	0	0	3	1.5
9	CS309PC	C++ Programming Lab	0	0	2	1
10	*MC309	Gender Sensitization Lab	0	0	2	0
		<b>Total Credits</b>	<b>14</b>	<b>2</b>	<b>12</b>	<b>21</b>

**II YEAR II SEMESTER**

S.No.	Course Code	Course Title	L	T	P	Credits
1	CS401PC	Discrete Mathematics	3	0	0	3
2	SM402MS	Business Economics & Financial Analysis	3	0	0	3
3	CS403PC	Operating Systems	3	0	0	3
4	CS404PC	Database Management Systems	3	1	0	4
5	CS405PC	Java Programming	3	1	0	4
6	CS406PC	Operating Systems Lab	0	0	3	1.5
7	CS407PC	Database Management Systems Lab	0	0	3	1.5
8	CS408PC	Java Programming Lab	0	0	2	1
9	*MC409	Constitution of India	3	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>2</b>	<b>8</b>	<b>21</b>

**B.Tech. IIYear IISemester**

**Course Objective:**To learn the basic business types,impact of the economy on Business and Firms specifically.To analyze the Business from the Financial Perspective.

**Course Outcome:** The students will understand the various Forms of Business and the impact of economic variables on the Business. The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt. The Students can study the firm's financial position by analyzing the Financial Statements of a Company.

**UNIT-I: Introduction to Business and Economics**

**Business:** Structure of Business Firm, Theory of Firm, Types of Business Entities, Limited Liability Companies, Sources of Capital for a Company, Non-Conventional Sources of Finance.

**Economics:** Significance of Economics, Micro and Macro Economic Concepts, Concepts and Importance of National Income, Inflation, Money Supply and Inflation, Business Cycle, Features and Phases of Business Cycle. Nature and Scope of Business Economics, Role of Business Economist, Multidisciplinary nature of Business Economics.

**UNIT -II: Demand and Supply Analysis**

**Elasticity of Demand:** Elasticity, Types of Elasticity ,Law of Demand, Measurement and Significance of Elasticity of Demand, Factors affecting Elasticity of Demand, Elasticity of Demand in decision making ,Demand Forecasting: Characteristics of Good Demand Forecasting, Steps in Demand Forecasting, Methods of Demand Forecasting.

**Supply Analysis:** Determinants of Supply, Supply Function and Law of Supply.

**UNIT-III: Production, Cost, Market Structures &Pricing**

**Production Analysis:** Factors of Production, Production Function, Production Function with one variable input, two variable inputs ,Returns to Scale ,Different Types of Production Functions.

**Cost analysis :** Types of Costs, Short run and Long run Cost Functions.

**Market Structures:** Nature of Competition, Features of Perfect competition, Monopoly, Oligopoly, Monopolistic Competition.

**Pricing :** Types of Pricing, Product Life Cycle based Pricing, Break Even Analysis ,Cost Volume Profit Analysis.



#### **UNIT-IV: Financial Accounting:**

Accounting concepts and Conventions, Accounting Equation, Double-Entry system of Accounting, Rules for maintaining Books of Accounts, Journal, Posting to Ledger, Preparation of Trial Balance, Elements of Financial Statements, Preparation of Final Accounts.

#### **UNIT-V: Financial Analysis through Ratios:**

Concept of Ratio Analysis, Importance, Liquidity Ratios, Turnover Ratios, Profitability Ratios, Proprietary Ratios, Solvency, Leverage Ratios– Analysis and Interpretation (simple problems).

#### **TEXTBOOKS:**

1. D.D.Chaturvedi, S. L. Gupta, Business Economics - Theory and Applications, International Book House Pvt.Ltd.2013.
2. Dhanesh K Khatri, Financial Accounting, Tata Mc–Graw Hill, 2011.
3. Geethika Ghosh, Piyali Gosh, Purba Roy Choudhury, Managerial Economics, 2e , Tata McGraw Hill Education Pvt.Ltd.2012.

#### **REFERENCEBOOKS:**

1. Paresh Shah, Financial Accounting for Management 2e, Oxford Press, 2015.
2. S.N.Maheshwari, Sunil K Maheshwari, Sharad K Maheshwari, Financial Accounting, 5e, Vikas Publications, 2013.



## SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)  
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist.,

Telangana – 501 510 Website: <https://siiet.ac.in/>

### Cos and Mapping with PO/PSO

Course : Business Economics & Financial Analysis (C222) Class: II

#### CSE Course Outcomes

CO Number	Course Outcomes(CO)
C222.1	The students will understand various forms of Business and the impact of economic variables on the business.(Understanding)
C222.2	Understand the significance of elasticity of demand and its forecasting, law of demand and its exceptions and supply analysis.(Analyzing)
C222.3	Understand production analysis function with different variables and cost analysis functions.(Analyzing)
C222.4	To adopt the principles of accounting to record, classify and summarize various transactions in books of accounts for preparation of final accounts.(Analyzing)
C222.5	Understand the Ratio analysis to give an idea about financial forecasting, financial planning ,controlling and decision making.(Analyzing)
C222.6	Understand the implementation of different structures of markets covering how price-output is determined under different market structures.(Implementing)

#### Mapping of course outcomes with program outcomes:

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C222.1	3	-	-	-	-	2	-	-	-	-	-	-	-	-
C222.2	-	3	1	-	-	-	-	-	-	2	-	-	-	-
C222.3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C222.4	3	-	-	2	-	-	-	2	-	-	2	-	-	-
C222.5	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C222.6	3	2	-	-	-	-	2	-	-	-	-	-	-	-
AVG	2.6	2.7	1	2	-	2	2	2	-	2	2	-	-	-



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### CO-PO/PSO Mapping-Justification

**Course: Business Economic & Financial Analysis**

**Class: IICSE (C222)**

**P01. ENGINEERING KNOWLEDGE :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**P02. PROBLEM ANALYSIS:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**P03. DESIGN/DEVELOPMENT OF SOLUTIONS:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**P04. CONDUCT INVESTIGATIONS OF COMMON PROBLEMS:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**P06. THE ENGINEER AND SOCIETY:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**P07. ENVIRONMENT AND SUSTAINABILITY:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**P08. ETHICS:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**P010. COMMUNICATION:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

**P011. PROJECT MANAGEMENT AND FINANCE:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

### **CO-PO mapping Justification**

**C222.1 The students will understand various forms of Business and the impact of economic variables on the business.**

<b>PO1</b>	Understanding various forms of business involves analyzing data, making projections, and evaluating financial aspects. Mathematics is crucial for tasks such as financial modeling, statistical analysis, and optimization.
<b>PO6</b>	Businesses operate in diverse cultural environments. The engineer needs to be culturally sensitive and consider how business decisions may impact different cultural contexts.

**C222.2. law of demand and its exceptions and supply analysis. Understand the significance of elasticity of demand and its forecasting**

	<b>Justification</b>
<b>PO2</b>	In engineering problem-solving, resource management is a common challenge. Engineers need to analyze and optimize the supply side of a system to ensure the availability of necessary resources for their projects.
<b>PO3</b>	Engineers designing products must consider market dynamics. For instance, in the development of luxury goods or niche products, the law of demand may exhibit exceptions.
<b>PO10</b>	Engineers must be able to articulate economic principles and their implications in a way that is understandable to both technical and non-technical audiences.

**C222.3. Understand production analysis function with different variables and cost analysis functions.**

<b>PO1</b>	Mathematics is a fundamental tool for modeling and analyzing engineering systems.
<b>PO2</b>	Engineers must first identify complex problems within the realm of production and cost analysis.

**C222.4 .To adopt the principles of accounting to record, classify and summarize various transactions in books of accounts for preparation of final accounts.**

<b>PO1</b>	Specialized knowledge is crucial for applying accounting principles in engineering contexts.
<b>PO4</b>	In adopting accounting principles, engineers engage in ongoing research to understand and apply the latest accounting regulations, standards, and methodologies.
<b>PO8</b>	Engineers, in adopting accounting principles, commit to avoiding conflicts of interest that might influence financial reporting.
<b>PO11</b>	Engineers, as part of project management and finance, adopt accounting principles to maintain accurate financial records for project-related transactions.

**C222.5. Understand the Ratio analysis to give an idea about financial forecasting, financial planning, controlling and decision making.**

<b>PO1</b>	Engineers, especially those with a specialization in financial engineering, bring domain-specific knowledge to ratio analysis.
<b>PO2</b>	Engineers apply mathematical principles to calculate financial ratios, leveraging their understanding of natural sciences and engineering sciences to interpret the implications of these ratios.

**C222.6. Understand the implementation of different structures of markets covering how price-output is determined under different market structures.**

<b>PO1</b>	Engineers use quantitative methods to analyze economic variables that influence price and output in different market structures.
<b>PO2</b>	Engineers, in understanding market structures, identify and formulate problems such as the impact of market competition, pricing strategies, and resource allocation.
<b>PO7</b>	Engineers, when analyzing and designing solutions for market structures, must consider the potential impact on public health and safety.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**ACADEMIC CALENDAR 2022-23**

**B. Tech./B.Pharm. II YEAR I & II SEMESTERS**

**I SEM**

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	<b>28.11.2022</b>	
2	1 <sup>st</sup> Spell of Instructions	28.11.2022	21.01.2023 (8 Weeks)
3	First Mid Term Examinations	23.01.2023	30.01.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	04.02.2023	
5	2 <sup>nd</sup> Spell of Instructions	31.01.2023	29.03.2023 (8 Weeks)
6	Second Mid Term Examinations	31.03.2023	08.04.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.04.2023	15.04.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	15.04.2023	
9	End Semester Examinations	17.04.2023	29.04.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 93

**II SEM**

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	<b>01.05.2023</b>	
2	1 <sup>st</sup> Spell of Instructions (including Summer Vacation)	01.05.2023	08.07.2023 (10 Weeks)
3	<b>Summer Vacation</b>	15.05.2023	27.05.2023 (2 Weeks)
4	First Mid Term Examinations	10.07.2023	15.07.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	22.07.2023	
6	2 <sup>nd</sup> Spell of Instructions	18.07.2023	11.09.2023 (8 Weeks)
7	Second Mid Term Examinations	12.09.2023	16.09.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	19.09.2023	23.09.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	23.09.2023	
10	End Semester Examinations	25.09.2023	07.10.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 92

  
29/11/22  
REGISTRAR

(Autonomous Institution under UGC)



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### TIME TABLE FOR AY-2021-22

Class: II-B.Tech CSE-B

Semester: II

LH. NO: A-302

W.E.F. 21-03-2022

Period/ Day	1	2	3	4	1:00 - 1:30	5	6	7
	9:40-10:30	10:30-11:20	11:20-12:10	12:10-1:00		1:30-2:20	2:20-3:10	3:10-4:00
Monday	OS	DM	DBMS/JAVA(T)	LIB	L U N C H	BEFA	COI	DBMS
Tuesday	DM	JAVA LAB(BATCH-I)/DBMS LAB BATCH-II)				BEFA	OS	SPORTS
Wednesday	BEFA	JAVA	OS	JAVA/DBMS(T)		OS LAB(BATCH-II)/DBMS LAB(BATCH-I)		
Thursday	DM	OS	DBMS	COI		COUN	JAVA	DM
Friday	JAVA	OS	COI	JAVA		DBMS	CO-C/SS/DAA	
Saturday	DBMS	OS LAB(BATCH-I)/JAVA LAB(BATCH-II)				BEFA	INT	DM

(T) – Tutorial (concern faculty)

Subject Code	Subject Name	Name of the Faculty	Subject Code	Subject Name	Name of the Faculty
CS401PC	Discrete Mathematics	Mr.B.Mahesh	CS408PC	Java Programming Lab	Dr.C.Thirumalai Selvan/Mrs J Pujitha/ Mr J Anandrao
SM402MS	Business Economics & Financial Analysis	Mr.U.Fanidara Baradwaj	*MC409	Constitution of India	Mr A.Mahesh Babu
CS403PC	Operating Systems	Ms.S.Anitha	INT	Internet	Mrs.R.Padma
CS404PC	Database Management Systems	Mrs.S.Akhila	LIB	Library	Mrs.R.Padma
CS405PC	Java Programming	Dr.C.Thirumalai Selvan/ Mrs N Shilpa		CO-C/SS/DAA	Mrs M Karuna
CS406PC	Operating Systems Lab	Ms.S.Anitha/ Mrs R Padma/Mrs M Karuna	SPORTS	Sports	Mr.A Vijay Kumar
CS407PC	Database Management Systems Lab	Mrs.S.Akhila / Mrs G Swapna/ Mrs J Priyanka	COUN	Counselling	Mrs E Rupa
Class In-Charge : Ms.S.Anitha		Mentor 1: Ms.S.Anitha	Mentor 2: Mrs.S.Akhila		

Class In-Charge

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### LESSONPLAN

Course Title	<b>Business Economics and Financial Analysis</b>
Course Code	SM402MS
Programme	B. Tech
Year & Semester	II- year II-semester
Regulation	R18
Course Faculty	Mr. U. Fanidhara Bharadwaj Sharma, Assistant Professor, MBA

Lecture No	Topics to be covered	TA/TM	Reference
<b>UNIT-1</b>	<b>Business: Structure of Business Firm, Theory of Firm</b>	T2	BB
1	Types of Business Entities	T2	BB
2	Limited Liability Companies	T2	BB
3	Sources of Capital for a Company	T2	BB
4	Non-Conventional Sources of Finance	T2	BB
5	Significance of Economics, Micro and Macro Economic Concepts	T1	BB
6	Concepts and Importance of National Income,	T1	BB
7	Inflation, Money Supply and Inflation	T1	BB
8	Business Cycle, Features and Phases of Business Cycle	T1	PPT
9	Multi disciplinary nature of Business Economics	T1	BB
<b>UNIT- 2</b>	<b>Demand and Supply Analysis Elasticity, Types of Elasticity</b>	T1,R2	BB
10			
11	Law of Demand	T2,R 2	BB
12	Measurement and Significance of Elasticity of Demand	T2,R 2	BB
13	Factors affecting Elasticity of Demand	T2,R 1	BB
14	Elasticity of Demand in decision making	T2	BB
15	Demand Forecasting	T2,R1	BB
16	Characteristics of Good Demand Forecasting	T2,R2	BB
17	Steps in Demand Forecasting	T1	PPT
18	Methods of Demand Forecasting	T2	BB
19	Determinants of Supply	T1,R2	BB
20	Supply Function and Law of Supply	T2,R1	BB



<b>UNIT3</b> 21	<b>Production ,Cost ,Market Structures &amp; Pricing</b> <b>Production Analysis</b> Factors of Production, Production Function	T1,R1	BB
22	Production Function with one variable input, two variable inputs	T1	BB
23	Returns to Scale, Different Types of Production Functions.	T1,R1	BB
24	Types of Costs	T1,R1	BB
25	Short run and Long run Cost Functions	T1,R1	BB
26	Nature of Competition	T1,R2	BB
27	Features of Perfect competition	T1,R1	BB
28	Monopoly, Oligopoly	T1,R2	BB
29	Monopolistic Competition	R1	BB
30	Types of Pricing, Product Life Cycle based Pricing	T2,R2	BB
31	Break Even Analysis, Cost Volume Profit Analysis.	T2	PPT
<b>UNIT- 4</b> <b>32</b>	<b>Financial Accounting</b> Accounting concepts and Conventions	T2,R2	BB
33	Accounting Equation, Double-Entry system of Accounting	R2	BB
34	Rules for maintaining Books of Accounts	T2,R1	BB
35	Journal ,Posting to Ledger	T2,R2	PPT
36	Preparation of Trial Balance	T2,R1	BB
37	Elements of Financial Statements	T2	BB
38	Elements of Financial Statements	T2	BB
<b>UNIT-5</b>	<b>Financial Analysis through Ratios</b>		
39	Concept of Ratio Analysis	T2,R2	BB
40	Importance ,Liquidity Ratios	T2,R2	BB
41	Turn over Ratios	T2	PPT
42	Profitability Ratios	T1, R1	BB
43	Solvency	T1, R1	BB
44	Leverage Ratios	T1	BB
45	Analysis and Interpretation(simple problems).	T2	BB

#### TEXTBOOKS:

4. D.D.Chaturvedi, S.L.Gupta, Business Economics - Theory and Applications, International Book House Pvt.Ltd.2013.
5. Dhanesh K Khatri ,Financial Accounting, Tata Mc–GrawHill,2011.
6. Geethika Ghosh, Piyali Gosh, Purba Roy Choudhury, ManagerialEconomics,2e, Tata McGrawHillEducationPvt.Ltd.2012.

#### REFERENCEBOOKS:

3. Paresh Shah, Financial Accounting for Management 2e, Oxford Press,2015.
4. S.N.Maheshwari, Sunil K Maheshwari, Sharad K Maheshwari ,Financial Accounting, 5e, VikasPublications, 2013.

## **WEBREFERENCES:**

±

<b>S.No.</b>	<b>WebLink</b>
1	<a href="https://www.slideshare.net/AmitSarkar82/business-economics-basics">https://www.slideshare.net/AmitSarkar82/business-economics-basics</a>
2	<a href="https://egyankosh.ac.in/bitstream/123456789/67477/1/Unit-2.pdf">https://egyankosh.ac.in/bitstream/123456789/67477/1/Unit-2.pdf</a>
3	<a href="https://www.studocu.com/in/document/jawaharlal-nehru-technological-university-hyderabad/computer-science-and-engineering/befa-unit-iii-notes/29816347">https://www.studocu.com/in/document/jawaharlal-nehru-technological-university-hyderabad/computer-science-and-engineering/befa-unit-iii-notes/29816347</a>
4	<a href="https://icmai.in/upload/Students/Syllabus-2012/Study_Material_New/Inter-Paper5-Revised.pdf">https://icmai.in/upload/Students/Syllabus-2012/Study_Material_New/Inter-Paper5-Revised.pdf</a>
5	<a href="https://www.winvesta.in/blog/financial-ratio-analysis">https://www.winvesta.in/blog/financial-ratio-analysis</a>



## **SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**Accredited by NAAC with A+ Grade, Recognized under  
2(f) of UGC Act 1956 (Approved by AICTE, New Delhi  
and Affiliated to JNTUH, Hyderabad)**

**Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga**

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**Reddy Dist., Telangana – 501 510 Website:  
<https://siiet.ac.in/>**

### **LECTURE NOTES**

#### **UNIT- 1-5 Link:**

<https://drive.google.com/file/d/1if3-fr3IlzIgshtEqvDJZ7rkMI9VyNzp/view?usp=sharing>

#### **Powerpointpresentation**

#### **PPTlink:**

#### **UNIT 1**

[https://docs.google.com/presentation/d/1hwetwzRjNvQfJhoV54PwFfpnu3UpMum2/edit?usp=drive\\_link&ouid=101150747455356065138&rtpof=true&sd=true](https://docs.google.com/presentation/d/1hwetwzRjNvQfJhoV54PwFfpnu3UpMum2/edit?usp=drive_link&ouid=101150747455356065138&rtpof=true&sd=true)

#### **UNIT 2**

[https://docs.google.com/presentation/d/1YPOvPW56XGq1VvwE4D3TzMwoMYJq-8F3/edit?usp=drive\\_link&ouid=101150747455356065138&rtpof=true&sd=true](https://docs.google.com/presentation/d/1YPOvPW56XGq1VvwE4D3TzMwoMYJq-8F3/edit?usp=drive_link&ouid=101150747455356065138&rtpof=true&sd=true)

#### **UNIT 3**

[https://docs.google.com/presentation/d/1rQrzewFKg6RYJEPm9XCqPNBucvBNF9ax/edit?usp=drive\\_link&ouid=101150747455356065138&rtpof=true&sd=true](https://docs.google.com/presentation/d/1rQrzewFKg6RYJEPm9XCqPNBucvBNF9ax/edit?usp=drive_link&ouid=101150747455356065138&rtpof=true&sd=true)

#### **UNIT 4**

[https://docs.google.com/presentation/d/1uEabrDpUYgFkiF\\_fj7oJ3KCNWuTN\\_U4f/edit?usp=drive\\_link&ouid=101150747455356065138&rtpof=true&sd=true](https://docs.google.com/presentation/d/1uEabrDpUYgFkiF_fj7oJ3KCNWuTN_U4f/edit?usp=drive_link&ouid=101150747455356065138&rtpof=true&sd=true)

#### **UNIT 5**

[https://docs.google.com/presentation/d/1Xx4LxcHsP0Tyrb3UuuJ3sF2HYLwfy2Ck/edit?usp=drive\\_link&ouid=101150747455356065138&rtpof=true&sd=true](https://docs.google.com/presentation/d/1Xx4LxcHsP0Tyrb3UuuJ3sF2HYLwfy2Ck/edit?usp=drive_link&ouid=101150747455356065138&rtpof=true&sd=true)

CodeNo:154AH

**JAWAHARLALNEHRUTECHNOLOGICALUNIVERSITYHYDERABAD**  
**B. Tech II Year I Semester Examinations, August -**  
**2022BUSINESSECONOMICSANDFINANCIALANALYSIS**  
**CSE**

**Time:3Hours****Max.Marks:75**

**Answer any five**  
**questionsAllquestionscarryequ**  
**almarks**

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- 1.a) Discuss the nature and scope of Business Economics.  
b) What role does the managerial economist play in business? [7+8]
- 2.a) What is Inflation? Explain its economic effects on different people.  
b) Describe briefly the different phases of Business Cycle. [7+8]
- 3.a) Explain Law of demand and point out its assumptions and exceptions.  
b) Define Elasticity of demand. What is its practical significance? [8+7]
- 4.a) What is Demand forecasting? What are the characteristics of good demand forecasting?  
b) Describe the qualitative methods of demand forecasting. [7+8]
- 5.a) Give a broad classification of the factors of production.  
b) What do you understand by Return to scale? Discuss. [7+8]
- 6.a) Compare and contrast Perfect competition and Monopoly.  
b) Discuss the strategies that may be adopted during different stages of Product Life Cycle. [7+8]

7. The following is related to Khouisik for the year ending 2019. Prepare Trading Account, Profit and Loss Account and Balance Sheet. Closing stock was valued at Rs.20,800.

[15]

Particulars	Balance(Dr)	Balance(Cr)
Capital		48,800/-
Cash in hand	700/-	
Purchases & Sales	80,000/-	1,90,000/-
Bank loan		20,000/-
Returns	3,000/-	1,500/-
Carriage	3,400/-	
Stock on 1-4-2018	13,000/-	
Bills receivable	8,000/-	
Bills payable		6,000/-
Rent and taxes	7,200/-	
Salaries	24,000/-	
Wages	12,000/-	
Office expenses	1,200/-	
Trade expenses	800/-	
Discount	700/-	600/-
Sundry debtors	29,600/-	
Sundry creditors		13,000/-
Machinery	72,000/-	
Furniture	18,000/-	
Drawings	4,800/-	
Advertising	600/-	
Bank charges	100/-	
Insurance	800/-	
<b>TOTAL</b>	<b>2,79,900/-</b>	<b>2,79,900/-</b>

8.a) What is financial ratio analysis? Explain how accounting ratios are important in decision making.

b) A company has 15,000 shares, market price of which Rs.45 per share and its net profit after taxes for the financial year 2017-18 is Rs.4,50,000. Find Price - earning ratio and Earnings per share.

[7

+8]

---oo0oo---

**R18**

**Code No: 154AH**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech II Year II Semester Examinations, March - 2022  
BUSINESS ECONOMICS AND FINANCIAL ANALYSIS**

**(Common to CSE, IT, ITE)**

**Time: 3 Hours**

**Max. Marks: 75**

**Answer any five questions  
Each carries equal marks**

---

- 1.a) Discuss the nature and scope of Managerial economics. [8+7]  
b) Examine the sources of capital for a company. [8+7]
- 2.a) Discuss the micro and macro economic concepts and brief on the concepts of national Income. [8+7]  
b) Define a business cycle and narrate the features and phases of business cycle. [8+7]
- 3.a) Illustrate the different types of Elasticity of demand. [8+7]  
b) Describe briefly the factors affecting Demand Forecasting. [8+7]
- 4.a) Narrate the law of demand and its exceptions. [8+7]  
b) Distinguish between durable demand and perishable demand. [8+7]
- 5.a) Explain how Cost-Output relationship helps managers in decision making. [8+7]  
b) From the following particulars, calculate the Break-even point in terms of both quantity and value. Production in units - 10,000 Sales price - Rs. 5 per unit Variable Costs - Rs. 20,000 Fixed Costs - Rs. 12,000. [8+7]
- 6.a) How do you classify markets on the basis of competition. [8+7]  
b) Explain any four methods of pricing based on Strategy. [8+7]
- 7.a) Describe the advantages and disadvantages of double entry book keeping. [8+7]  
b) Mr. Normal has the following transactions in the month of April. Write Journal Entries for the transactions.  
10th April : Commenced business with a capital of Rs.1,00,000  
11th April : Purchased goods from Veeru for Rs.20,000  
13th April : Purchased Goods for Cash Rs. 15,000  
14th April : Purchased Goods from Abhiram for cash Rs.9,000  
16th April : Bought Goods from Shyam on credit Rs.12,000  
17th April : Sold goods worth Rs.15,000 to Tarun  
19th April : Sold goods for cash Rs.20,000  
20th April : Sold goods to Utsav for cash Rs.6,000  
21st April : Sold goods to Pranav on credit Rs.17,000  
22nd April : Returned goods to Veeru Rs. 3,000. [8+7]
- 8.a) Explain the funds flow statement with suitable example [8+7]  
b) Ratios are really helpful for financial statement analysis. Distinguish your answer. [8+7]

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**Sri Indu Institute of Engineering & Technology**  
**Sheriguda (v), Ibrahimpatnam (M),R.R.Dist-501510**  
**I-Mid Examination, NOV-2022**

Year & Branch: II CSE SEM II

date: 12/11/2022

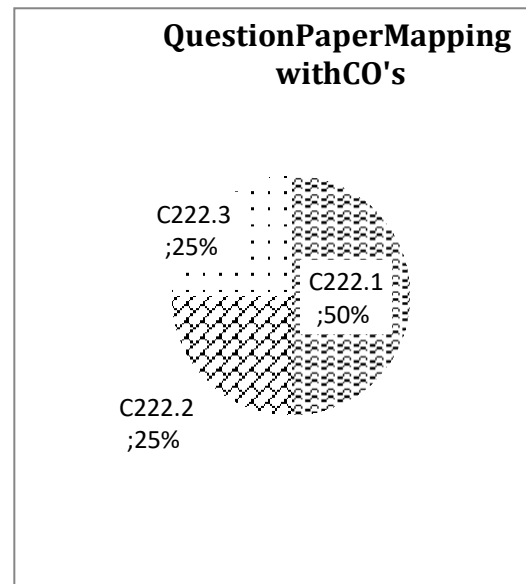
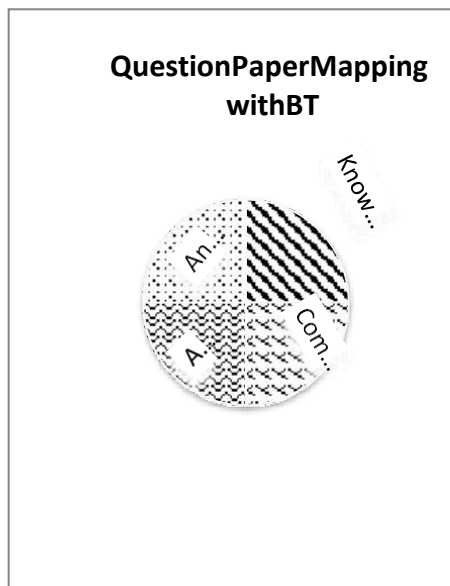
Subject: **Business Economics and Financial Analysis**

Maxmarks:10

Time:60 mins

Answer any TWO Questions .All Question carry Equal Marks

1. Describe business economics? Write the nature and scope of business economics?  
C222.1(comprehension)
2. List the sources of capital required for a joint stock company? C222.1(knowledge)
3. Compare the types of elasticity of demand? C2220.2(analysis)
4. Illustrate the law of variable proportion.C222.3(application)



**SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**Sheriguda (v), Ibrahimpatnam (m), RR.DIST-501510**  
**II-MID Examination JAN 2023**

Year & Branch–II CSE SEM II

date:20/01/2023

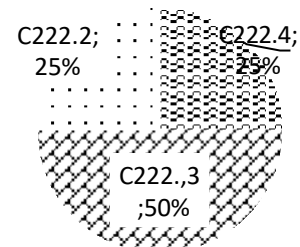
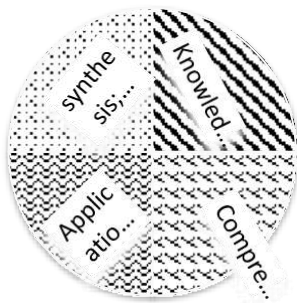
Subject: Business economics and financial analysis

Max Marks:10 Time:60mins

**Answer any TWO Questions All Questions carry Equal Marks**

1. Explain the classification of costs? C222.3(Comprehension)
2. State the importance of ratio analysis as a technique for analyzing of financial statements?  
C222.5(knowledge)
3. Illustrate the classification of accounts? C222.4(Comprehension)
4. Collect the information about concepts and conventions of accounting?C222.4(synthesis)

**QuestionPaperMappingwithBT**





**Sri Indu Institute of Engineering & Technology**  
**II B.Tech CSE II Sem., I Mid – Term Examinations,**  
**BUSINESSECONOMICS AND FINANCIAL ANALYSIS**  
**Objective Exam**

Name: \_\_\_\_\_ Hall Ticket No.

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**I CHOOSE THE CORRECT ALTERNATIVE:**

1. Long term assets without any physical existence possessing a value are called ( )  
A) Intangible assets  
B) Fixed assets  
C) Current assets  
D) Investments
  
2. The assets that can be easily converted into cash within a short period ie, one year or less are known as ( )  
A) Intangible assets  
B) Fixed assets  
C) Current assets  
D) Investments
  
3. Gross profit is ( )  
A) Cost of goods sold + Opening stock  
B) Sales-cost of goods sold  
C) Sales-purchase  
D) Net profit -expenses
  
4. Net profit is calculated in which of the following account ( )  
A) Profit and loss accounts  
B) Balance sheet  
C) Trial balance  
D) Trading account
  
5. The charges of placing commodities in to a sale able condition should be changed to ( )  
A) Trading account  
B) Profit and loss account  
C) Balance sheet  
D) None of the above
  
6. Working capital is the \_\_\_\_\_ ( )  
A) Capital borrowed from the banks  
B) Difference between current assets and liabilities  
C) Difference between fixed assets and current assets  
D) Cash and bank balance

7. Which of the following transactions will improve the current ratio? ( )
- A) Purchase of goods for cash
  - B) Payment to trade payables
  - C) Credit purchase of goods
  - D) Cash collected from trade receivables
8. Which of the following ratio measures short term solvency?
- (A) Liquidity ratios
  - B) Solvency ratios
  - C) Activity ratio
  - D) Profitability ratio
9. Liquidity ratios include ( )
- A) Current ratio
  - B) Quick ratio
  - C) Absolute liquid ratio
  - D) All of the above
10. Which of the following is not an indicator that a firm is over trading ( )
- A) A sharp increase in sales
  - B) Decrease in merging due to the use of the discounts
  - C) Increasing the size of overdraft
  - D) A decreasing debtor period

**II: FILL IN THE BLANKS:**

1. Suppliers personal account are seen in the\_\_\_\_\_.
2. Sales invoices are entered in\_\_\_\_\_.
3. If a trial balance totals do not agree, the difference must be entered in\_\_\_\_\_.
4. The debts which are to be repaid with in a short period(a year or less)are reffered to as\_\_\_\_\_.
5. Copyright, patents and trademarks are examples of\_\_\_\_\_.
6. Liquid ratio is equal to liquid assets divided by\_\_\_\_\_.
7. The\_\_\_\_\_is a measure of liquidity that excludes generally the least liquid asset.
8. Two basic measures of liquidity are\_\_\_\_\_.
9. The\_\_\_\_\_of a business count is measured by its ability to satisfy its short term obligations as they become due.
10. Grossprofit is to be distributed between the two periods on the basis of\_\_\_\_\_.

\*\*\*\*\*

**Sri Indu Institute of Engineering & Technology**  
**II B.Tech CSE II Sem., II mid – Term Examinations, JAN 2023**  
**BUSINESS ECONOMICS AND FINANCIAL ANALYSIS**  
**Objective Exam**

Name: \_\_\_\_\_ Hall Ticket No.

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**I CHOOSE THE CORRECT ALTERNATIVE:**

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C) Current assets  
D) Investments
  
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C) Balance sheet  
D) None of the above
  
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- C) Credit purchase of goods
- D) Cash collected from trade receivables

8. Which of the following ratio measures short term solvency? ( )

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- B) Solvency ratios
- C) Activity ratio
- D) Profitability ratio

9. Liquidity ratios include ( )

- A) Current ratio
- B) Quick ratio
- C) Absolute liquid ratio
- D) All of the above

10. Which of the following is not an indicator that a firm is over trading ( )

- E) A sharp increase in sales
- F) Decrease in merging due to the use of the discounts
- G) Increasing the size of over draft
- H) A decreasing debtor period

**II: FILLIN THE BLANKS:**

1. Suppliers personal account are seen in the\_\_\_\_\_.
2. Sales invoices are entered in\_\_\_\_\_.
3. If a trial balance totals do not agree, the difference must be entered in\_\_\_\_\_.
4. The debts which are to be repaid with in a short period (a year or less)are reffered to as\_\_\_\_\_.
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8. Two basic measures of liquidity are\_\_\_\_\_.
9. The\_\_\_\_\_of a business count is measured by its ability to satisfy its short term obligations as they become due.
10. Gross profit is to be distributed between the two periods on the basis of\_\_\_\_\_.

**Sri Indu Institute of Engineering & Technology**  
Sheriguda (V), Ibrahimpatnam (M), R.R. Dist-501510  
**B-Tech I-Mid Examinations ,NOV-2022**

**Year & Branch: II-CSE**

**Date: 12-11-2022(FN)**

**Subject: BEFA**

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**ANSWER KEY**

**Descriptive paper keylink:**

<https://docs.google.com/document/d/1zup6hVmF-sZbDIxFNfmirSrhGD8HJp5i/edit?usp=sharing&oid=113645564463234631838&rtpof=true&sd=tru>

**e Key Paper**

**I. Choose the correct alternative:**

- 1) B
- 2) C
- 3) A
- 4) D
- 5) D
- 6) B
- 7) D
- 8) C
- 9) B
- 10) A

**Fill in the blanks:**

- 11) Limited liability company
- 12) macroeconomics
- 13) business
- 14) demand
- pull15) complemen  
tary
- 16) point elasticity of  
demand17) $e(p) = \frac{dQ/Q}{dP/P}$
- 18) technological
- 19) Supply function
- 20) four

**Sri Indu Institute of Engineering & Technology**

Sheriguda (V), Ibrahimpatnam (M), R.R. Dist-501510

**B-Tech II-Mid Examinations, JAN-2023**

**Year & Branch : II CSE**

**Date: 20/01/23 (FN)**

**Subject: BEFA**

---

**ANSWER KEY**

**Descriptive paper key link:**

**[https://docs.google.com/document/d/1eRXRVEsc0GYiafQN6vd5bnuB-IMNiW-L/edit?usp=drive\\_link&oid=116051710862202242536&rtpof=true&sd=true](https://docs.google.com/document/d/1eRXRVEsc0GYiafQN6vd5bnuB-IMNiW-L/edit?usp=drive_link&oid=116051710862202242536&rtpof=true&sd=true)**

**Objective/QuizKeyPaper**

**KeyPaperBEFA:**

1. A
2. C
3. B
4. A
5. B
6. B
7. B
8. A
9. D
10. D

**Fill in the blanks:**

1. Purchases ledger
2. The sales journal
3. A suspense account
4. Current liabilities
5. Intangible assets
6. Current liabilities
7. Liquid ratio, inventory ratio
8. Current ratio and quick ratio
9. Liquidity
10. Sales ratio



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1956(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)  
Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist.,**

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Telangana – 501 510 Website: <https://siiet.ac.in/>

### **ASSIGNMENT-1**

#### **SUBJECT: BUSINESS ECONOMICS AND FINANCIAL ANALYSIS**

- 1] Explain business economics. write the nature & scope of business economics. (Understanding)
- 2] What is Joint Stock Company? Discuss the source of capital required by a joint stock company. (Understanding)
- 3] What is a business cycle? Discuss the phases of business cycle?  
(Understanding)
- 4] Write the determinants of demand? (Applying)
- 5] Explain the types of elasticity of demand ?(Understanding)





## SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist.,

Telangana – 501 510 Website: <https://siiet.ac.in/>

Course Title	Business Economics and Financial Analysis
Course Code	SM402MS
Programme	B.Tech
Year & Semester	II year II-semester, CSE-B
Regulation	R18
Course Faculty	Mr.U.Fanidhara Bharadwaj Sharma Assistant Professor,

### Slow learners:

SNo	Rollno	No of backlogs	Internal-I Status	Internal-II Status
1	21X31A0568	4	17	16
2	21X31A0569	5	18	14
3	21X31A0571	4	22	21
4	21X31A0579	3	24	20
5	21X31A0580	3	14	14
6	21X31A0582	5	14	14
7	21X31A0587	4	18	16
8	21X31A0589	5	17	16
9	21X31A0592	4	16	15
10	21X31A0594	8	19	18
11	21X31A0596	4	21	22
12	21X31A0598	3	21	22
13	21X31A0599	3	20	19
14	21X31A05A0	4	15	15
15	21X31A05A1	4	19	19
16	21X31A05A6	5	14	14
17	21X31A05A9	3	21	20
18	21X31A05B0	3	19	20
19	21X31A05B1	5	21	22

20	21X31A05B4	4	14	14
22	21X31A05B6	4	19	20
23	21X31A05C0	3	20	20
24	21X31A05C4	4	17	17
25	22X35A0509	4	23	23

## ADVANCE LEARNERS

S.N O	ROLL.NO.	REFERENCE MATERIAL
1	21X31A0566	<p>1. PareshShah,FinancialAccountingforManagement2e, OxfordPress,2015.</p> <p>2. S.N.Maheshwari,SunilKMaheshwari,SharadK Maheshwari,FinancialAccounting,5e,VikasPu blications,2013.</p>
2	21X31A0567	
3	21X31A0570	
4	21X31A0572	
5	21X31A0573	
6	21X31A0574	
7	21X31A0575	
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44	22X35A0512	
45	22X35A0513	
46	22X35A0514	
47	22X35A0515	
48	22X35A0516	



## SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

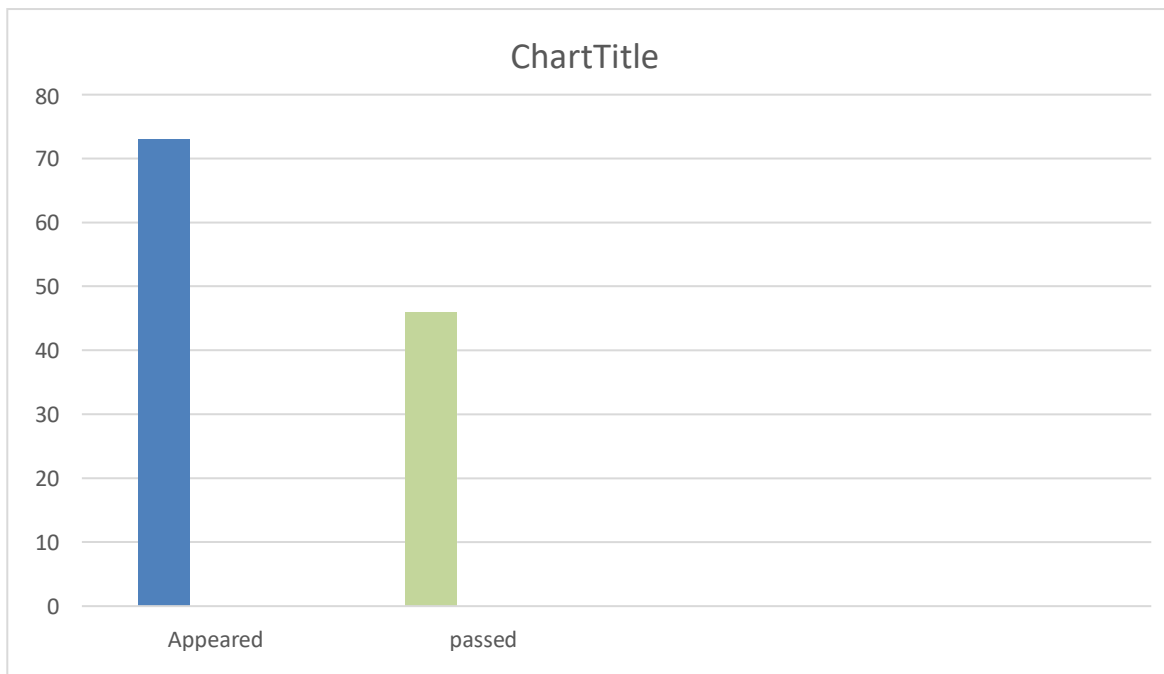
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Khalsa Ibrahimpatnam, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist., Telangana-501510  
Website: <https://siiet.ac.in/>

### BATCH CSE(CYBER) – IIBTECH IISEM CSE RESULT ANALYSIS

ACADAMICYEAR	COURSE NAME	NUMBER OF STUDENTS		QUESTION PAPER SETTING		PASS%
		APPEARED	PASSED	INTERNAL	EXTERNAL	
2022-23	Business economics and financial analysis	73	48	COURSE FACULTY	JNTUH	66

### BUSINESS ECONOMICS AND FINANCIAL ANALYSIS (C314) RESULT ANALYSIS



# SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution under UGC)

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(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)

Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy Dist., Telangana – 501 510

Website: <https://siiet.ac.in/>

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### REMEDIAL CLASSES TIME TABLE

A.Y 2022-23

SEMESTER-II

BRANCH/ SEC	MON 4.00 PM- 5.00 PM	TUE 4.00 PM-5.00 PM	WED 4.00 PM- 5.00 PM	THUR 4.00 PM- 5.00 PM	FRI 4.00 PM- 5.00 PM
II CSE-A	DM	JAVA	DBMS	BEFA	OS
II CSE-B	BEFA	DBMS	DM	OS	JAVA
II CSE-C	DBMS	OS	BEFA	JAVA	DM
III CSE-A	CD	ML	DAA	STM	FIOT
III CSE-B	DAA	FIOT	CD	ML	STM
III CSE-C	ML	STM	FIOT	CD	DAA
IVCSE-A	OB	TQM	DS	-	-
IV CSE-B	DS	OB	TQM	-	-
IV CSE-C	TQM	DS	OB	-	-

  
HOD

Computer Science & Engg. Dept.  
SRI INDU INSTITUTE OF ENGG & TECH.  
Sheriguda(V), Ibrahimpatnam(M), R.R.Dist-501 510.

  
PRINCIPAL  
PRINCIPAL

Sri Indu Institute of Engineering & Techn.  
Sheriguda(Vill), Ibrahimpatnam  
R R Dist Telangana -501 510



37	21X31A05A2	4		4						9	5	
38	21X31A05A3	4				3				10	5	
39	21X31A05A4	3				3				10	5	
40	21X31A05A5										5	
41	21X31A05A6	2								7	5	
42	21X31A05A7	4		4						10	5	
43	21X31A05A8										5	
44	21X31A05A9			4		3				10	5	
45	21X31A05B0			2		2				10	5	
46	21X31A05B1	2		3						8	5	
47	21X31A05B2					3		3		8	5	
48	21X31A05B3	4		5						9	5	
49	21X31A05B4										5	
50	21X31A05B5	3		3						9	5	
51	21X31A05B6			3		3				9	5	
52	21X31A05B7									10	5	
53	21X31A05B8			4		5				10	5	
54	21X31A05B9			4		1				9	5	
55	21X31A05C0			2						9	5	
56	21X31A05C1			2						10	5	
57	21X31A05C2			4		4				10	5	
58	21X31A05C3	4		4						9	5	
59	21X31A05C4	3				3				9	5	
60	21X31A05C5	3								10	5	
61	21X31A05C6	3				3				10	5	
62	21X31A05C7	4				3				10	5	
63	21X31A05C8	4		5						10	5	
64	21X31A05C9										5	
65	21X31A05D0			4		5				8	5	
66	22X35A0509	4				3				10	5	
67	22X35A0510			4		3				10	5	
68	22X35A0511	4				3				10	5	
69	22X35A0512			3				3		10	5	
70	22X35A0513			4		5				10	5	
71	22X35A0514	4				3				10	5	
72	22X35A0515	4				4				10	5	
73	22X35A0516			4		4				10	5	
Target set by the faculty/HOD		3.0 0	0.00	3.00	0.0 0	3.00	0.0 0	3.00	0.0 0	6.0 0	3.00	
Number of students performed above the target		30	0	26	0	34	0	7	0	70	60	

Number of students attempted	38	0	35	0	41	0	7	0	70	60
Percentage of students scored more than target	79%		74%		83%		100%		100%	100%

**CO Mapping with Exam Questions:**

CO- 1	Y		Y				Y		Y	Y
CO- 2					Y				Y	Y
CO- 3									Y	Y
CO- 4										
CO- 5										
CO- 6										

%Students Scored>Target%	79%		74%		83%		100%		100%	100%
--------------------------	-----	--	-----	--	-----	--	------	--	------	------

**CO Attainment based on Exam Questions:**

CO- 1	79%		74%				100%		100%	100%
CO- 2					83%				100%	100%
CO- 3									100%	100%
CO- 4										
CO- 5										
CO- 6										

CO	Subj	obj	Assig n	Overall	Level
CO-1	83%	100%	100%	98%	3.00
CO-2	79%	100%	100%	87%	3.00
CO-3		100%	100%	98%	3.00

Attainment Level	
1	40%
2	50%
3	60%

Attainment(InternallExamination)=

**3.00**

FacultySignature





# RI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

## **Course Outcome Attainment (Internal Examination- 2)**

Name of the faculty    Mr.U.Fanidara  
                                    Bharadwaj  
                                    Sharma

Academic Year:2022-23

Examination : Internal

Year: II Semester:II

Branch & Section:    CSE-B

Course Name:BEFA





CO-3		Y							Y	Y
CO-4	Y								Y	Y
CO-5			Y						Y	Y
CO-6					Y		Y		Y	Y

**CO Attainment based on Exam Questions:**

CO-1										
CO-2										
CO-3									100%	100%
CO-4	100%								100%	100%
CO-5			100%						100%	100%
CO-6					100%				100%	100%

CO	Subj	obj	Asgn	Overall	Level
CO-1					
CO-2					
CO-3		100%	100%	100%	3.00
CO-4	100%	100%	100%	100%	3.00
CO-5	100%	100%	100%	100%	3.00
CO-6	100%	100%	100%	100%	3.00

Attainment Level	
1	40%
2	50%
3	60%

Attainment(Internal Examination-2)=

**3.00**

Faculty Signature



# SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

## Course Outcome Attainment (University Examinations)

Name of the faculty: Mr.U.Fanidhara Bharadwaj Sharma

Academic Year: 2022-23

Branch & Section : CSE-B

Course Name:BEFA

Year /Semester: II/II S.No	RollNumber	MarksSecured
1	21X31A0566	30
2	21X31A0567	26
3	21X31A0568	9
4	21X31A0569	0
5	21X31A0570	26
6	21X31A0571	5
7	21X31A0572	26
8	21X31A0573	33
9	21X31A0574	26
10	21X31A0575	29
11	21X31A0576	26
12	21X31A0577	39
13	21X31A0578	26
14	21X31A0579	12
15	21X31A0580	1
16	21X31A0581	29
17	21X31A0582	8
18	21X31A0583	26
19	21X31A0584	35
20	21X31A0585	36
21	21X31A0586	26
22	21X31A0587	9
23	21X31A0588	26
24	21X31A0589	16
25	21X31A0590	26
26	21X31A0591	26
27	21X31A0592	1

S.No	RollNumber	MarksSecured
36	21X31A05A1	15
37	21X31A05A2	35
38	21X31A05A3	26
39	21X31A05A4	26
40	21X31A05A5	
41	21X31A05A6	2
42	21X31A05A7	28
43	21X31A05A8	
44	21X31A05A9	17
45	21X31A05B0	11
46	21X31A05B1	11
47	21X31A05B2	31
48	21X31A05B3	26
49	21X31A05B4	-1
50	21X31A05B5	29
51	21X31A05B6	10
52	21X31A05B7	
53	21X31A05B8	38
54	21X31A05B9	29
55	21X31A05C0	12
56	21X31A05C1	26
57	21X31A05C2	42
58	21X31A05C3	30
59	21X31A05C4	11
60	21X31A05C5	26
61	21X31A05C6	28
	21X31A05C7	41

28	21X31A0593	26
29	21X31A0594	14
30	21X31A0595	31
31	21X31A0596	17
32	21X31A0597	26
33	21X31A0598	17
34	21X31A0599	17
35	21X31A05A0	4
Max Marks		75
Class Average mark		26
Number of students performed above the target		48
Number of successful students		69

62		
63	21X31A05C8	34
64	21X31A05C9	26
65	21X31A05D0	34
66	22X35A0509	17
67	22X35A0510	29
68	22X35A0511	26
69	22X35A0512	26
70	22X35A0513	28
71	22X35A0514	26
72	22X35A0515	26
73	22X35A0516	42

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Percentage of students scored more than target	69%
<b>Attainment level</b>	<b>3</b>

AttainmentLevel	%students
1	40%
2	50%

3	60%
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# SRI INDU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

## Course Outcome Attainment

Name of the faculty : Mr.U.Fanidara  
Bharadwaj  
Sharma

Academic Year: 2022-23

Examination: Internal

Year : II

Semester : II

Branch & Section:

CSE –B

Course Name: BEFA

Course Outcomes	Ist Internal Exam	2nd Internal Exam	Internal Exam	University Exam	Attainment Level
CO 1	3.00		3.00	3.00	3.00
CO 2	3.00		3.00	3.00	3.00
CO 3	3.00	3.00	3.00	3.00	3.00
CO 4		3.00	3.00	3.00	3.00
CO 5		3.00	3.00	3.00	3.00
CO 6		3.00	3.00	3.00	3.00
<b>Internal &amp; University Attainment:</b>			3.00	3.00	
<b>Weightage</b>			25%	75%	
<b>Attainment for the course (Internal, University)</b>			0.75	2.25	
<b>CO Attainment for the course (Direct Method)</b>			3.00		

Overall course attainment level

**3.00**

Faculty Signature



# SRI INDU INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Computer Science & Engineering

## Program Outcome Attainment (from Course)

Name of Faculty: Mr.U.Fanidhara Bharadwaj Sharma      Academic Year: 2022-23  
 Branch&Section: CSE-B      Year: II  
 CourseName: BEFA      Semester: II

### CO-PO mapping

	PO 1	PO2	PO3	PO4	PO 5	PO6	PO 7	PO 8	PO 9	PO10	PO1 1	PO1 2	PSO1	PSO 2
CO1	3	2	2	2	-	-	-	-	-	-	-	2	-	-
CO2	3	2	2	3	-	-	-	-	-	-	-	2	-	-
CO3	3	3	2	3	-	-	-	-	-	-	2	2	-	-
CO4	3	3	2	3	-	-	-	-	-	-	2	2	-	-
CO5	3	3	2	2	-	-	-	-	-	-	-	2	-	-
CO6	2	2	2	1	-	-	-	-	-	-	3	2	-	-
<b>Course</b>	<b>2.83</b>	<b>2.50</b>	<b>2.00</b>	<b>2.33</b>							<b>2.33</b>	<b>2.00</b>		

CO	Course Outcome Attainment
CO1	3.00
CO2	3.00
CO3	3.00
CO4	3.00
CO5	3.00
CO6	3.00
<b>Over all course attainment level</b>	<b>3.00</b>

### PO-ATTAINMENT

	PO 1	PO 2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO1 1	PO1 2	PSO1	PSO 2
<b>CO Attainment</b>	<b>2.83</b>	<b>2.50</b>	<b>2.00</b>	<b>2.33</b>							<b>2.33</b>	<b>2.00</b>		

CO contribution to PO-33%,67%,100%(Level1/2/3)

Faculty Signature





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Khalsa Ibrahimpatnam, Sheriguda (V), Ibrahimpatnam (M), Ranga Reddy

Dist., Telangana – 501 510 Website: <https://siiet.ac.in/>

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### **ASSIGNMENTS AND REGISTERS**

#### **Assignment 1 script link:**

[https://drive.google.com/file/d/1YeRa2ezrydbHG8yGHJSIO0VRRHsmxuam/view?usp=drive\\_link](https://drive.google.com/file/d/1YeRa2ezrydbHG8yGHJSIO0VRRHsmxuam/view?usp=drive_link)

#### **Assignment 2 script link:**

[https://drive.google.com/file/d/1HE-RpFVPzBrbEYRYj-G163dsNwt2t4oJ/view?usp=drive\\_link](https://drive.google.com/file/d/1HE-RpFVPzBrbEYRYj-G163dsNwt2t4oJ/view?usp=drive_link)

#### **Attendance register link:**

[https://drive.google.com/file/d/1lBqzz4mHiDNZ-BsFiHQFSMIjT0Aafv6J/view?usp=drive\\_link](https://drive.google.com/file/d/1lBqzz4mHiDNZ-BsFiHQFSMIjT0Aafv6J/view?usp=drive_link)