

Shri G. S. Institute of Technology & Science, Indore

Department of Humanities and Social Sciences, Indore

Agenda for BOS Meeting to be convened on 09.12.2022 in HSS department

BOS meeting is convened on 09.12.2022 at 3:00 pm at HSS department. All members are requested to attend the same. Agenda items are as under:

1. Scrutinising course outcomes and bringing uniformity in numbers of Course outcomes (COs) in all the departmental syllabi.
2. Review of syllabus in light of Course outcomes, PEOs and POs. finalising new syllabi if changes required.
3. Transfer of audit subjects - Constitution of India and Essence of Indian Knowledge Tradition (EIKT) - to respective branches (with reference to Order No./Dir/131/2022/655 dated 02.11.2022 and No. dir/131/2022/682 dated 9.11.2022 as well as onwards discussions with the Dean, Academic)
4. Restructuring classwork(CW) of 100 marks in Subject VHPE as under
 - a. Internal viva and Activity/assignment submission: 30
 - b. Attendance: 20
 - c. quizzes/Tests: 50 (average of best two out of three)
5. CO-PO-PEO mapping for syllabi.
6. Any other point with permission of the chair.

To,

All the Member, BOS

(Dr. Avdhesh Dalpati)

Chainman, BOS

Shri G. S. Institute of Technology & Science, Indore

Department of Humanities and Social Sciences, Indore

Minutes for BOS Meeting convened on 09.12.2022 in HSS department

BOS meeting has been convened on 09.12.2022 at 2:00 pm at HSS department. Following members were present in the meeting.

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|----|-----------------------|----------------|
| 1. | Dr. A Dalpati, | Chairman, BOS |
| 2. | Mr. Ajay Bansal | Member, Expert |
| 3. | Dr. S. Guha | Member, Expert |
| 4. | Dr. Neeraj Kumar Jain | Member |
| 5. | Dr. Sarika Tiwari | Member |
| 6. | Dr. Neha Motwani | Member |
| 7. | Dr. Chhavi Giri | Member |
| 8. | Dr. Garima Dubey | Member |

Following members couldn't attend the meeting:

1. Dr. Gyan Prakash (Expert)
2. Mr. Rohit Anchaliya, Member, BOS

Agenda items are as under:

1. Scrutinising course outcomes and bringing uniformity in numbers of Course outcomes (COs) in all the departmental syllabi. And Review of CO-PO-PSO mapping (course articulation matrix)
2. Review of syllabus in light of Course outcomes, PSOs and POs. finalising new syllabi if changes required.
3. Transfer of audit subjects - **Constitution of India** and **Essence of Indian Knowledge Tradition (EIKT)** - to respective branches (with reference to Order No./Dir/131/2022/655 dated 02.11.2022 and No. dir/131/2022/682 dated 9.11.2022 as well as onwards discussions with the Dean, Academic)
4. Restructuring classwork (CW) of 100 marks in Subject VHPE as under
 - a. Internal viva and Activity/assignment submission: 30
 - b. Attendance: 20
 - c. quizzes/Tests: 50 (average of best two out of three)
5. Any other point with permission of the chair.

Minutes of the meeting are as follows in view of agenda items:

- Item 1. 1. The Course outcomes (COs) were revised for subjects:
- a) HU22005/24005/25005/27005 and HU21507/26507/28507/29507 commonly nomenclated as "Economics for Engineers".
 - b) HU21481/26481/28481/29481 and HU 22881/24881/25881/27881 commonly nomenclated as "Values, Humanities and Professional Ethics" (VHPE).
 - c) HU 23504 "Engineering Economics and Financial Analysis"
2. Review of CO-PO-PSO mapping (course articulation matrix) was done and modified.
- Item 2. Minor changes (less than 10%) were made in following subjects (old and new syllabi enclosed):
1. HU 10651 Technical English
 2. HU22005/24005/25005/27005 Economics for Engineers
 3. HU21507/26507/28507/29507 Economics for Engineers
 4. HU 23504 Engineering Economics and Financial Analysis
- Item 3. Passed
- Item 4. Classwork (CW) of 100 marks in Subject VHPE should be revised as under
- i. Internal viva and Activity/assignment submission: 30
 - ii. Attendance: 20
 - iii. quizzes/Tests: 50 (average of best two out of three)
- Item 5. No matter was raised.

The meeting ended with the thanx to the chair.

HOD, HSS

Chairman, BOS

**DEPARTMENT OF HUMANITIES AND SOCIAL
SCIENCES I Year BE (4YDC)**

HU 10551 TECHNICAL ENGLISH

HOURS PER WEEK			CREDITS			MAXIMUM MARKS				
T	P	T u	T	P	Tu	THEORY		PRACTICAL		TOTAL MARKS
2	2	-	3	1	-	C W	END SEM	SW	END SEM	150
						30	70	20	30	

PRE-REQUISITE:

The student must possess basic knowledge of English Grammar and basic ability to read, write and speak English language

COURSE OBJECTIVES:

The objective of this course is to enable the students to recognize the relationship of effective communication skills to succeed in academic, work and social environments and to develop both written and oral communication skills to comprehend and produce clear, complete and accurate messages. This course also intends to impart business correspondence and improve English phonetics enabling the students to speak and write English correctly and with confidence.

COURSE OUTCOMES:

After successful completion of the course, *students will develop competency in the following areas:*

- CO1: Communicate effectively with good interpersonal skills; speak in public, engage the audience, make a presentation using Power-Point and tackle group discussion.
- CO2: Speak English with clarity using correct pronunciation and accent in all situations
- CO3: Comprehend a particular piece of information, absorb what is read and hone the art of condensation and effective writing skills with correct syntax and grammar in all formal situations.
- CO4: Collect, analyze, document, and report information clearly, concisely and logically.
Also, apply technical information and knowledge in practical documents.
- CO5: Produce clear, complete, concise, concrete and precise messages in day to day business transactions while drafting applications and E-Mails.

COURSE CONTENT:

UNIT I: Communication Skills

- (i) Meaning & Process
- (ii) Significance of Effective communication.
- (iii) Presentation Strategies: Techniques of Oral Presentations, Defining the Purpose, Analyzing the Audience, Establishing the main idea, Selecting the Appropriate Channel and Medium. Power Point Presentation.
- (iv) Group Discussion.

UNIT II: Application of Linguistic Ability

- (a) English IPA (Types of speech sounds.)
- (b) Monophthongs
- (c) Diphthongs.
- (d) Consonants.
- (e) Phonetic Transcription

UNIT III: Advanced Writing Skills:

- (i) Composition :
 - (a) Meaning & Significance
 - (b) Exercise on free essay writing on technical and current topics with particular emphasis on clear expressions.
- (ii) Precis
 - (a) Reading and Comprehension

- (b) Basic rules and practice of writing précis.

UNIT IV: Academic Writing and Technical Report Writing:

- (i) Introduction to Technical and Academic Writing
- (ii) Features & Principles of Technical Report
- (iii) Structure & Format of Technical Report
- (iv) Samples & Models for practice

UNIT V: Business Correspondence

- (i) Business & Official letters
- (ii) Structure & Layout of Business letters
- (iii) Types of Letters: Job Application, Letters of enquiry, Quotations, Orders and Complaints.
- (iv) E-Mail writing

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessionals, Mid-Sem Tests, Assignments, End-Sem. Practical Exam, Practical sessional, quizzes, and presentations.

BOOKS RECOMMENDED:

1. Sharma, R.C. and Krishna Mohan, *Business Correspondence and Report Writing*, New Delhi: Tata McGraw-Hill, 2009.
2. Raman, Meenakshi and Sangeeta Sharma, *Technical Communication*, New Delhi: OxfordUniv. Press, 2011.
3. Kapoor A.N., *Business Letters for Different Occasions*, New Delhi: S. Chand & Co. Pvt.Ltd., 2012.
4. Thomson, A.J. and A.V.Martinent, *A Practical English Grammar*, New Delhi: Oxford University Press,1986.

REFERENCES RECOMMENDED:

1. Lesikar, Petlit, and Flatley, *Lesikar's Basic Business Communication*, New Delhi: TataMcGraw-Hill, 1999.
2. Bhatia, R.C., *Business Communication*, New Delhi: Ane Books Pvt. Ltd., 2012.
3. Magan, Sangeeta, *Business Communication*, New Delhi: Biztantra Publications, 2010.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

II B.E. (4YDC)

HU 22005/24005/25005/27005: ECONOMICS FOR ENGINEERS

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
3	-	-	3	-	30	70	-	-	100

PRE-REQUISITES: NIL

COURSE OBJECTIVES: -

1. To develop the optimizing skills of technology-use in engineering problems
2. To articulate economic analytical skills so as to contextualize the solutions of engineering problems.
3. To explore the potential of students in economic perspective of engineering professional goals.
4. To make sense of need of entrepreneurship and understand the financial reports of a business.

COURSE OUTCOMES: after completion of course, the students will be able to:

1. Explain economic cyclic flow and estimate the demand and demand elasticity for a product.
2. Plan the production and analyse the production-cost-profit relation and select the suitable project for investment.
3. Estimate price and the equilibrium for a firm/organization in different competitive market situations.
4. Prepare and review the financial statements of an accounting entity.
5. Identify the problems, see the opportunity, and ideate the solution to the problems.

COURSE CONTENT:

UNIT 1. Nature and scope of economics, Economic cyclic flow, Central Economic problems, macro and microeconomics, concept, determinants and law of demand and supply, Elasticity of demand, Equilibrium price, consumer surplus and equilibrium.

UNIT 2. Production, cost and revenue: Production function, laws of return to variable proportion, Laws of return to scale, cost concepts, cost functions and their inter relation, Revenue Concepts and functions, break-even analysis, Time value of money and Investment analysis- NPV and IRR.

UNIT 3. Pricing and Market: Price determination and firm's equilibrium under perfect competition and monopoly, price discrimination under monopoly, imperfect competitions – monopolistic competition, collusive and non-collusive oligopoly.

UNIT 4. Entrepreneur, entrepreneurship and start-up, small medium and large-scale enterprise, characteristics of an entrepreneur, forms of business organization, phases of startup, problems, opportunities, Design thinking and Ideation. Business model.

UNIT 5. Accountancy: Accountancy and bookkeeping, GAAP, Assets, Liabilities and Capital, types of accounts, Journal, Ledger, Trial Balance and Financial Statements, Financial Ratio Analysis.

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessional, Mid-Sem Tests, and Assignments

Books & Reference Recommendation:

1. Jhingan M.L., Economics of development and Planning, Vrinda Publication (40th Ed./latest).
2. Ahuja H. L., Advance economic theory, S Chand Publication, (21st Ed./Latest)
3. Riggs, Bedworth and Randhawa, Engineering Economics, Tata McGraw-Hill, (4th Ed./latest)
4. Principles of accountancy, Nirmal Jain,
5. Entrepreneurship by Rajeev Roy, 2nd edition

**DEPARTMENT OF HUMANITIES AND SOCIAL
SCIENCES II B.E.(4YDC)
HU 21507/26507/28507/29507: ECONOMICS FOR ENGINEERS**

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
3	-	-	3	-	30	70	-	-	100

PRE-REQUISITES:

NIL COURSE

OBJECTIVES:-

1. To develop the optimizing skills of technology-use in engineering problems
2. To articulate economic analytical skills so as to contextualize the solutions of engineering problems.
3. To explore the potential of students in economic perspective of engineering professional goals.
4. To make sense of need of entrepreneurship and understand the financial reports of a business.

COURSE OUTCOMES: after completion of course, the students will be able to:

1. Explain economic cyclic flow and estimate the demand and demand elasticity for a product.
2. Plan the production and analyze the production-cost-profit relation and select the suitable project for investment
3. Estimate price and the equilibrium for a firm/organization in different competitive market situations.
4. Prepare and review the financial statements of an accounting entity.
5. Identify the problems, see the opportunity, and ideate the solution to the problems

COURSE CONTENT:

UNIT 1. Nature and scope of economics, Economic cyclic flow, Central Economic problems, macro and microeconomics, concept, determinants and law of demand and supply, Elasticity of demand, Equilibrium price, consumer surplus and equilibrium.

UNIT 2. Production, cost and revenue: Production function, laws of return to variable proportion, Laws of return to scale, cost concepts, cost functions and their inter relation, Revenue Concepts and functions, break- even analysis, Time value of money and Investment analysis- NPV and IRR.

UNIT 3. Pricing and Market: Price determination and firm's equilibrium under perfect competition and monopoly, price discrimination under monopoly, imperfect competitions – monopolistic competition, collusive and non-collusive oligopoly.

UNIT 4. Entrepreneur, entrepreneurship and start-up, small medium and large-scale enterprise, characteristics of an entrepreneur, forms of business organization, phases of startup, problems, opportunities, Design thinking and Ideation. Business model.

UNIT 5. Accountancy: Accountancy and bookkeeping, GAAP, Assets, Liabilities and Capital, types of accounts, Journal, Ledger, Trial Balance and Financial Statements, Financial Ratio Analysis.

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessionals, Mid-Sem Tests, and Assignments

Books & Reference Recommendation:

1. Jhingal M.L., Economics of development and Planning, Vrinda Publication (40th Ed./latest).
2. Ahuja H. L., Advance economic theory, S Chand Publication, (21st Ed./Latest)
3. Riggs, Bedworth and Randhawa, Engineering Economics, Tata McGraw-Hill, (4th Ed./latest)
4. Principles of accountancy, Nirmal Jain,
5. Entrepreneurship by Rajeev Roy, 2nd edition

**DEPARTMENT OF HUMANITIES AND SOCIAL
SCIENCES II B.E.(4YDC) (IPE)
HU 23504/23503: ENGINEERING ECONOMICS & FINANCIAL ANALYSIS**

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
3	-	-	3	-	30	70	-	-	100

PRE-REQUISITES:

NIL COURSE

OBJECTIVES:

1. To develop the optimizing skills of technology-use in engineering problems
2. To articulate economic analytical skills so as to contextualize the solutions of engineering problems.
3. To explore the potential of students for evaluation investment opportunities in production projects.
4. To make sense of understanding the financial reports of a business organization.

COURSE OUTCOMES: After completion of course, the students will be able to:

1. Explain economic cyclic flow and estimate the demand and demand elasticity for a product.
2. Plan the production and analyze the production-cost-profit relation and select the suitable project for investment
3. Estimate price and the equilibrium for a firm/organization in different competitive market situations.
4. Prepare and review the financial statements of an accounting entity.
5. Apply Financial ratio technique for financial analysis and to prepare Fund Flow Statement

COURSE CONTENT:

UNIT 1 Nature and scope of economics, Economic cyclic flow, Central Economic problems, macro and microeconomics Laws of demand and supply, Demand curve and demand function, Cardinal and ordinal utility analysis of consumer equilibrium, price and income relations of consumer's equilibrium, Demand derivation, Elasticity of demand.

UNIT 2 Production, Cost and Price: Equilibrium price, Production function, Laws of returns to variable proportions, Laws of returns to scale, Cost concepts, cost functions and their interrelations, Break even analysis. Time Value of money & capital budgeting through NPV and IRR methods.

UNIT 3 Pricing and Market: Price determination and firm's equilibrium under perfect competition and monopoly, price discrimination under monopoly, imperfect competitions – monopolistic competition, collusive and non-collusive oligopoly.

UNIT 4 Accountancy and Business Organization: Book keeping and Accountancy, Trading account, Profit and loss account and balance sheets, Business and Industrial organization Types, features, merits and demerits

UNIT 5 Financial management and Analysis: Concept, Scope and functions and goals of financial management, Financial analysis, Ratio analysis, Fund flow analysis,

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessionals, Mid-Sem Tests, and Assignments.

TEXT BOOKS RECOMMENDED:

1. Dwivedi and Dwivedi: Engineering Economics, Vikas Publishing House, New Delhi India
2. Truett and Truett, Managerial Economics, Wiley India, New Delhi, India
3. Ghose, B .N., Managerial Economics and Business decisions, Ane Books Pvt. Ltd, New Delhi, India
4. Pandey I. M., Financial Management, Vikas Publishing House, New Delhi, India