NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

Department of Humanities and Social Sciences

UG Courses Syllabi

with effect from AY 2024-25

in view of NEP 2020

Semesters	Course Code	Course Name	Course Type	Contact Hours			Credits C	Prerequisite	Remarks
				L	T	P			
I	HS151	Communication Skills	SECC(L)	0	1	2	2	None	
II	HS102	Creativity, Innovation and Entrepreneurship	SECC	2	0	0	2	None	
	HS104	Ethics and Morals	VAC	2	0	0	2	None	
IV	HS272	Communication, Media and the Society	OE	2	0	0	2	None	
	HS274	Corporate Communication	OE	2	0	0	2	None	
V	HS371	Soft Skills and Self Management	OE	2	0	0	2	None	
	HS373	Accounting and Financial Methods	OE	2	0	0	2	None	
VI	HS302	Indian Culture and Civilization	VAC (IKS)	2	0	0	2	None	
	HS372	New Media Studies	OE	2	0	0	2	None	
VII	HS471	Engineering Psychology	OE	2	0	0	2	None	8 Weeks (NPTEL)
	HS473	Management Information System	OE	2	0	0	2	None	12 Weeks (NPTEL)
	HS475	E-Business	OE	2	0	0	2	None	12 Weeks (NPTEL)
	HS477	Sociology of Development	OE	2	0	0	2	None	12 Weeks (NPTEL)
	HS479	Science, Technology and Society	OE	2	0	0	2	None	12 Weeks (NPTEL)

SECC(L): Skill Enhancement Compulsory Course (Lab)
SECC: Skill Enhancement Compulsory Course
VAC: Value Added Course
IKS: Indian Knowledge System
OE: Open Elective

B.Tech. 1ˢᵗ Semester

<table>
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(logo)</td><td colspan="8">National Institute of Technology Meghalaya
An Institute of National Importance</td><td colspan="3">CURRICULUM</td></tr>
<tr><td colspan="5">Programme Bachelor of Technology</td><td colspan="3">Year of Implementation</td><td colspan="3">2024-25</td></tr>
<tr><td colspan="5">Department Humanities and Social Sciences</td><td colspan="3">Semester</td><td colspan="3">I</td></tr>
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Course Code	Course Name	Pre-Requisite	Credit Structure				Marks Distribution	
			L	T	P	C	Continuous Assessment	Total
HS151	**Communication Skills**	**Nil**	**0**	**1**	**2**	**2**	**01 Experiment X 10**	**100**

	Course Objectives		Course Outcomes	COs	Statement	Bloom's Taxonomy
	To introduce the basic concepts of communication			HS151.1	Describe and apply the skill of listening in Communicative English	Apply
	To improve English communication skills of students which are essential to succeed in today's business environment.			HS151.2	Demonstrate good reading skills in English	Apply
	To improve oratory skills and body language			HS151.3	Demonstrate good writing skills in English	Apply
	To develop the ability to critically analyze topics and contexts independently or in groups			HS151.4	Demonstrate good oratory skills in English	Apply

Mapping with Program Outcomes (POs) / Mapping with PSOs

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS151.1	-	-	-	-	-	-	-	-	1	3	-	3			
HS151.2	-	-	-	-	-	-	-	-	1	3	-	3			
HS151.3	-	-	-	-	-	-	-	-	1	3	-	3			
HS151.4	-	-	-	-	-	-	-	-	1	3	-	3			
HS151	-	-	-	-	-	-	-	-	1.0	3.0	-	3.0			

SYLLABUS

No.	Activities/Experiments	Hours	COs
I	Short speeches or other audio files: Listening; Conversing with the teacher or other students; Writing a summary; Speaking and recording of important points	6	HS151.1
II	Short movies or other video files: Watching; Conversing with the teacher or other students; Writing a summary; Speaking and recording of important points	6	HS151.1
III	Unseen comprehension: Reading passages or essays; Conversing with the teacher or other students; Writing a summary or answering questions	6	HS151.2
IV	Written composition: Writing paragraphs and argumentative and narrative essays; Letter writing–official, personal, job application; Notice writing; Reports	12	HS151.3
V	Oratory: Greetings & introductions; Extempore; Debate; Group discussion; Individual/group seminar presentations; Vocabulary building; Taking and giving interviews; pronunciation skills exercises	12	HS151.4
	Total Hours	**42**	

Essential Readings

1. C. Muralikrishna and Sunita Mishra, *Communication Skills for Engineers*, Pearson, 2ⁿᵈ Edition, 2011.
2. Nitin Bhatnagar and Mamta Bhatnagar, *Communicative English for Engineers and Professionals*, Pearson, 2010.

Supplementary Readings

1. J. K. Gangal, *A Practical Course for Developing Writing Skills in English*, PHI, 2011.
2. John Seely, *Oxford Guide to Effective Writing and Speaking*, Oxford University Press, 3ʳᵈ Edition, 2013.
3. Sanjay Kumar and Pushp Lata, *Communication Skills*, Oxford University Press, 2ⁿᵈ Edition, 2015.

B.Tech. 2nd Semester

	National Institute of Technology Meghalaya An Institute of National Importance					**CURRICULUM**	

Programme	**Bachelor of Technology**				Year of Implementation		**2024-25**
Department	**Humanities and Social Sciences**				Semester		**II**

Course Code	Course Name		Prerequisite	Credit Structure				Marks Distribution			
				L	T	P	C	INT	MID	END	Total
				2	**0**	**0**	**2**	**50**	**50**	**100**	**200**
HS102	**Creativity, Innovation and Entrepreneurship**		**Nil**	**COs**	**Statement**				**Bloom's Taxonomy**		

Course Objectives	To introduce the basic aspects of creativity, innovation and entrepreneurship	Course Outcomes	HS102.1	Describe the basic concepts of creativity, innovation and entrepreneurship	Understand
	To familiarize the importance of creativity, innovation, and entrepreneurship		HS102.2	Describe and illustrate the importance of creativity	Apply
	To discuss the role and importance of creativity, innovation, and entrepreneurship for social development		HS102.3	Describe and illustrate the importance of innovation	Apply
	To discuss the stages of the entrepreneurial process for the successful development of entrepreneurial projects		HS102.4	Describe and illustrate the importance of entrepreneurship	Apply

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS102.1	-	-	1	-	1	2	2	-	3	2	3	2			
HS102.2	-	-	1	-	1	2	2	-	3	2	3	2			
HS102.3	-	-	3	-	1	2	2	-	3	2	3	2			
HS102.4	-	-	3	-	1	2	2	-	3	2	3	2			
HS102	-	-	2.0	-	1.0	2.0	2.0	-	3.0	2.0	3.0	2.0			

SYLLABUS

No.	Content	Hours	COs
I	Meaning and definition of creativity, innovation, and entrepreneurship; Relation between creativity, innovation, and entrepreneurship; Differences between creativity and innovation; Differences between creativity and entrepreneurship; Differences between innovation and entrepreneurship; Event funding	06	HS102.1
II	Individual creativity, behaviour and psychological aspects of creativity; Idea generation; Creativity tools and techniques; Creativity in groups	06	HS102.2
III	Innovation and competitive advantage; Framework of innovative strategies; Organizational issues of innovation; Innovation in a competitive environment; Sources of innovation; Innovation selection; Effective implementation of innovative ideas	08	HS102.3
IV	Historical development of entrepreneurship; Types of entrepreneurship; Entrepreneurial opportunities; Entrepreneurial processes; Entrepreneurial strategies; Entrepreneurial practice; Sources of entrepreneurial ideas; Entrepreneurial project; Start-up; Contributions of entrepreneurs in society	08	HS102.4
	Total Hours	28	

Essential Readings

1. Pradip N. Khandwalla, *Lifelong Creativity: An Unending Quest*, Tata McGraw Hill, 2004.

2. Vinnie Jauhari and Sudanshu Bhushan, Innovation Management, Oxford Higher Education, 2014.

3. Robert D. Hisrich et. al. *Entrepreneurship*, McGraw Hill Higher Education, 6th Edition, 2004.

Supplementary Readings

1. D. H. Holt, *Entrepreneurship: New Venture Creation*, Prentice Hall, 1992.

2. Lewrick, M., Link, P., and Leifer, L., *The Design Thinking Toolbox: A Guide to Mastering the Most Popular and Valuable Innovation Methods,* John Wiley & Sons, 2020.

3. Hisrich, R. D., Peters, M. P., and Shepherd, D. A., *Entrepreneurship,* New York: McGraw-Hill, 2020.

National Institute of Technology Meghalaya
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CURRICULUM

Programme	**Bachelor of Technology**		Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**		Semester	**II**

Course Code	Course Name		Prerequisite	Credit Structure				Marks Distribution			
				L	T	P	C	INT	MID	END	Total
				2	0	0	2	50	50	100	200

HS102	**Creativity, Innovation and Entrepreneurship**	**Nil**	**COs**	**Statement**	**Bloom's Taxonomy**
Course Objectives	To introduce the basic aspects of creativity, innovation and entrepreneurship		HS102.1	Describe the basic concepts of creativity, innovation and entrepreneurship	Understand
	To familiarize the importance of creativity, innovation, and entrepreneurship	Course Outcomes	HS102.2	Describe and illustrate the importance of creativity	Apply
	To discuss the role and importance of creativity, innovation, and entrepreneurship for social development		HS102.3	Describe and illustrate the importance of innovation	Apply
	To discuss the stages of the entrepreneurial process for the successful development of entrepreneurial projects		HS102.4	Describe and illustrate the importance of entrepreneurship	Apply

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS102.1	-	-	1	-	1	2	2	-	3	2	3	2			
HS102.2	-	-	1	-	1	2	2	-	3	2	3	2			
HS102.3	-	-	3	-	1	2	2	-	3	2	3	2			
HS102.4	-	-	3	-	1	2	2	-	3	2	3	2			
HS102	-	-	2.0	-	1.0	2.0	2.0	-	3.0	2.0	3.0	2.0			

SYLLABUS

No.	Content	Hours	COs
I	Meaning and definition of creativity, innovation, and entrepreneurship; Relation between creativity, innovation, and entrepreneurship; Differences between creativity and innovation; Differences between creativity and entrepreneurship; Differences between innovation and entrepreneurship; Event funding	06	HS102.1
II	Individual creativity, behaviour and psychological aspects of creativity; Idea generation; Creativity tools and techniques; Creativity in groups	06	HS102.2
III	Innovation and competitive advantage; Framework of innovative strategies; Organizational issues of innovation; Innovation in a competitive environment; Sources of innovation; Innovation selection; Effective implementation of innovative ideas	08	HS102.3
IV	Historical development of entrepreneurship; Types of entrepreneurship; Entrepreneurial opportunities; Entrepreneurial processes; Entrepreneurial strategies; Entrepreneurial practice; Sources of entrepreneurial ideas; Entrepreneurial project; Start-up; Contributions of entrepreneurs in society	08	HS102.4
	Total Hours	28	

Essential Readings

4. Pradip N. Khandwalla, *Lifelong Creativity: An Unending Quest*, Tata McGraw Hill, 2004.

5. Vinnie Jauhari and Sudanshu Bhushan, Innovation Management, Oxford Higher Education, 2014.

6. Robert D. Hisrich et. al. *Entrepreneurship*, McGraw Hill Higher Education, 6th Edition, 2004.

Supplementary Readings

4. D. H. Holt, *Entrepreneurship: New Venture Creation*, Prentice Hall, 1992.

5. Lewrick, M., Link, P., and Leifer, L., *The Design Thinking Toolbox: A Guide to Mastering the Most Popular and Valuable Innovation Methods,* John Wiley & Sons, 2020.

6. Hisrich, R. D., Peters, M. P., and Shepherd, D. A., *Entrepreneurship,* New York: McGraw-Hill, 2020.

B.Tech. 4th Semester

Programme	**Bachelor of Technology**		Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**		Semester	**IV**

Course Code	Course Name	Prerequisite	Credit Structure				Marks Distribution			
			L	T	P	C	INT	MID	END	Total
			2	**0**	**0**	**2**	**50**	**50**	**100**	**200**
HS272	**Communication, Media and the Society**	**Nil**		**COs**	**Statement**			**Bloom's Taxonomy**		

Course Objectives	To introduce the processes involved in effective communication	Course Outcomes	HS272.1	Describe the concept and processes involved in effective communication	Understand
	To familiarize the concepts of mass media		HS272.2	Explain effective use of mass media	Understand
	To familiarize the concepts of social media		HS272.3	Explain effective use of social media	Understand
	To familiarize the impact of communication and media on society		HS272.4	Explain the demonstrate the impact of communication and media on society and culture	Apply

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS272.1	-	-	1	-	-	3	1	1	2	3	1	3			
HS272.2	-	-	1	-	-	3	2	2	2	3	1	3			
HS272.3	-	-	1	-	-	3	2	2	2	3	1	3			
HS272.4	-	-	2	-	-	3	2	2	2	3	1	3			
HS272	-	-	1.25	-	-	3.0	1.75	1.75	2.0	3.0	1.0	3.0			

SYLLABUS

No.	Content	Hours	COs
I	Communication; Definition and processes; Forms of communication; Levels of communication; Effective communication; Communication as subversion	06	HS272.1
II	Mass media; Types of mass media; Modes of mass media; Affect and effect; Encoding and decoding; Effectiveness of mass media	06	HS272.2
III	Social media; Digital experience; Literacy redefined; The user; Technologies and applications; Digitization of media; Types of social media; Impact of social media; Internet/online activism; Citizen journalism	06	HS272.3
IV	Communication and the society; Effective social communication; Changing character of communication; Culture and communication; Ideology and communication; Media and society; Media and social difference; Impact of media on individual and society; Media and cultural changes; Ethical issues; Cyber crime	10	HS272.4
	Total Hours	28	

Essential Readings

1. John Fiske, *Introduction to Communication Studies*, Routledge, 3rd edition, 2010.

2. Paul Hodkinson, *Media, Culture and Society: An Introduction*, Sage, 2nd edition, 2017.

Supplementary Readings

1. Katherine Miller, *Communication Theories: Perspectives, Processes and Contexts*, McGraw Hill, 2nd edition, 2004.

2. John Street, *Mass Media, Politics and Democracy*, Palgrave Macmillan, 2nd edition, 2011.

3. Christian Fuchs, *Social Media: A Critical Introduction*, Sage, 2nd edition, 2017.

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CURRICULUM

Programme	**Bachelor of Technology**	Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**	Semester	**VI**

Course Code	Course Name	Prerequisite	Credit Structure				Marks Distribution			
			L	T	P	C	INT	MID	END	Total
			2	**0**	**0**	**2**	**50**	**50**	**100**	**200**
HS274	**Corporate Communication**	**Nil**		**COs**	**Statement**			**Bloom's Taxonomy**		

Course Objectives		Course Outcomes		
	To introduce the concepts of corporate communication	HS274.1	Explain the key concepts and roles of corporate communication	Understand
	To explain the application of corporate communication to real-life corporations	HS274.2	Explain and apply the tools of corporate communication	Apply
	To familiarize corporate communication strategies	HS274.3	Describe and create corporate communication strategies	Create
	To illustrate the way corporations and organizations communicate	HS274.4	Illustrate the way corporations and organizations communicate, externally and internally	Apply
	To explain the concept of Corporate Social Responsibility	HS274.5	Analyze the role of Corporate Social Responsibility and Image Management	Analyze

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS274.1	-	-	-	-	-	2	-	2	3	3	3	2			
HS274.2	-	-	-	-	-	2	-	2	3	3	3	2			
HS274.3	-	-	-	-	-	2	-	2	3	3	3	2			
HS274.4	-	-	-	-	-	2	-	2	3	3	3	2			
HS274.5	-	-	-	-	-	2	-	2	3	3	3	2			
HS274	-	-	-	-	-	2.0	-	2.0	3.0	3.0	3.0	2.0			

SYLLABUS

No.	Content	Hours	COs
I	Definitions and concept of corporate communication; Role, scope and objectives of corporate communication; Kinds of communication in an organisation; Areas of strategic thinking in corporate communication; Ethics and laws in corporate communication; Present state of corporate communication; Corporate social responsibility	06	HS274.1
II	Corporate communication tools; Lobbying; Sponsorship; Financial communication; Corporate reputation; Corporate identity	04	HS274.2
III	Strategy in corporate communication; Defining strategy and its role; Campaign planning; Areas of strategic consideration; Case studies in corporate communication campaigns	06	HS274.3
IV	Internal communication; Role and scope of internal communication; Tools of internal communication; Kinds of writing for media; Understanding requirements of media writing; Crisis communication; Defining conflict; Defining disasters; Kinds of disasters; Corporate communication and damage salvage; Use of media in times of crisis	08	HS274.4
V	Corporate social responsibility; Defining corporate social responsibility; Role, scope and need for corporate social responsibility; Corporate social responsibility and image management; Case studies in corporate social responsibility	04	HS274.5
	Total Hours	**28**	

Essential Readings

1. Richard R Dolphin, *The Fundamentals of Corporate Communication*, Routledge, 2011.

2. Paul Argenti and Janis Forman, *The Power of Corporate Communication: Crafting the Voice and Image of your Business*, McGraw-Hill Education, 1st edition, 2002.

Supplementary Readings

1. Matthew W. Ragas and Ron Culp, *Business Acumen for Strategic Communicators: A Primer*, Emerald Publishing, 2021.

2. David Chandler, *Corporate Social Responsibility: A Strategic Perspective*, Business Expert Press, 2014.

B.Tech. 5th Semester

<table>
<tr><td rowspan="3"></td><td colspan="6">National Institute of Technology Meghalaya
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Programme	**Bachelor of Technology**		Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**		Semester	**V**

Course Code	Course Name	Prerequisite	Credit Structure				Marks Distribution			
			L	T	P	C	INT	MID	END	Total
			2	0	0	2	50	50	100	200

HS371	**Soft Skills and Self Management**	**Nil**	**COs**	**Statement**	**Bloom's Taxonomy**

Course Objectives	To familiarize the students with the various communication skills	Course Outcomes	HS371.1	Demonstrate good overall communication skills	Apply
	To introduce the use of technology for effective communication		HS371.2	Use effectively technology for communication	Apply
	To familiarize the students with the importance of building good relationships		HS371.3	Develop good relationships and resolve conflicts	Create
	To familiarize the students with the various survival skills		HS371.4	Identify and use survival skills and habits	Apply

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS371.1	-	-	-	-	2	-	-	2	3	3	3	3			
HS371.2	-	-	-	-	2	-	-	2	3	3	3	3			
HS371.3	-	-	-	-	2	-	-	2	3	3	3	3			
HS371.4	-	-	-	-	2	-	-	2	3	3	3	3			
HS371	-	-	-	-	2.0	-	-	2.0	3.0	3.0	3.0	3.0			

SYLLABUS

No.	Content	Hours	COs
I	Visual, nonverbal and aural communication; Understanding the communicative environment; What to listen for and why; When to speak and how; Communication styles; Speaking in groups; Visual culture; Visual perception; Self image; Body language for interviews and group discussions; The face, its expressions and what it says	08	HS371.1
II	Technology and communication; Technological personality; Mobile personality; E-mailing principles; How not to send e-mails; E-mail etiquette; Netiquette; Multimedia presentation and interaction; What to present and how; Overcoming fear; Becoming a professional	06	HS371.2
III	Individuals, groups and cultures; Building relationships; Human perceptions; Understanding people; Understanding group dynamics; Ethics in relationship; Inter-personal conflicts; Conflict resolution skills; The art of persuasion; From persuasion to negotiation; Social network and media; Social skills; Leadership qualities	07	HS371.3
IV	Survival strategies; Motivating oneself; Self-management skills; Managing time; Types of stress; Regulating stress; Resilience; Work-life balance; Applying soft-skills in workplace; Habits and guiding principles; Identifying good and bad habits; Habit cycle; Breaking bad habits; Forming habits of success	07	HS371.4
	Total Hours	28	

Essential Readings

1. Gulati, Sarvesh, *Corporate Grooming and Etiquette*, Rupa & Co, 2010.

2. Petes S. J., Francis, *Soft Skills and Professional Communication,* Tata McGraw-Hill Education, 2011.

Supplementary Readings

1. Dorch, Patricia, *What Are Soft Skills?* Execu Dress Publisher, 2013.

2. Tuhovsky, Ian, *Communication Skills Training*, Rupa Publication India, 2nd edition, 2019.

Programme	**Bachelor of Technology**		Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**		Semester	**VI**

Course Code	Course Name		Prerequisite	Credit Structure				Marks Distribution			
				L	T	P	C	INT	MID	END	Total
				2	**0**	**0**	**2**	**50**	**50**	**100**	**200**
HS373	**Accounting and Financial Methods**		**Nil**	**COs**		**Statement**				**Bloom's Taxonomy**	

Course Objectives		COs	Statement	Bloom's Taxonomy
This course introduces the concepts of accounting principles	Course Outcomes	HS373.1	Describe the basics of accounting and to identify events that need to be recorded in the accounting records.	Understand
This course familiarizes financial statements		HS373.2	Analyze financial statements effectively	Analyze
This course familiarizes financial management		HS373.3	Apply the concept of financial management	Apply
This course explains cost analysis techniques and capital budgeting		HS373.4	Explain and use important cost analysis techniques and capital budgeting techniques in project evaluation	Apply

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS373.1	-	1	-	-	-	1	-	1	-	-	3	2			
HS373.2	-	1	-	-	-	1	-	1	-	-	3	2			
HS373.3	-	1	-	-	-	1	-	1	-	-	3	2			
HS373.4	-	1	-	-	-	1	-	1	-	-	3	2			
HS373	-	1.0	-	-	-	1.0	-	1.0	-	-	3.0	2.0			

SYLLABUS

No.	Content	Hours	COs
I	Accounting principles; Types of accounting; Concepts and conventions of accounting; Double entry system of accounting; Basis books of accounts of sole proprietary concern; Preparation of journal, ledger and trial balance	06	HS373.1
II	Trading account; Profit and loss account; Balance sheet of sole proprietor concern; Manufacturing accounts of partnership firms, Limited company; Fund; Fund flow; Preparation and interpretation of fund flow statement; Meaning, preparation and interpretation of the cash flow statement; Working capital management	09	HS373.2
III	Goals of financial management; Key activities in financial management; Meaning of ratios; Types of ratios; Advantages and limitations of ratios	04	HS373.3
IV	Break even analysis, Uses and limitations of break even analysis, Construction of break even chart, Marginal costing; Practical application of marginal costing; Capital budgeting; Pay back period; Accounting rate of return (ARR); Net present value (NPV); Internal rate of return (IRR)	09	HS373.4
	Total Hours	**28**	

Essential Readings

1. T. S. Grewal, *Introduction to Accountancy*, S. Chand and Company (P) Ltd., 2016.

2. M. Y. Khan & P. K. Jain, *Financial Management: Text, Problems and Cases*, McGraw Hill Education, 6th edition, 2011.

Supplementary Readings

1. Mukherjee and Hanif, *Modern Accountancy*, Tata McGrow Hill and Co. Ltd., 2nd edition, 2017.

2. Jennifer Francis, et al., *Financial Accounting: An Introduction to Concepts, Methods and Uses*, Cengage Learning, International edition, 2012.

National Institute of Technology Meghalaya An Institute of National Importance		CURRICULUM

Programme	Bachelor of Technology		Year of Implementation	2024-25
Department	Humanities and Social Sciences		Semester	VI

Course Code	Course Name	Prerequisite	Credit Structure				Marks Distribution			
			L	T	P	C	INT	MID	END	Total
			2	0	0	2	50	50	100	200

HS302	Indian Culture and Civilization	Nil	COs	Statement	Bloom's Taxonomy

Course Objectives		Course Outcomes		
To introduce the fundamentals of Ancient Indian Science to understand the Indian systems of Mathematics, Physics, Chemistry, Metallurgy and Town Planning		HS302.1	Explain the concepts of Indian knowledge system and Indian culture and civilization.	Understand
To help students to trace, identify, and develop knowledge in ancient knowledge systems		HS302.2	Explain the Fundamentals of Ancient Indian Science	Understand
To help to understand the rational, verifiable and universal solution from the ancient Indian knowledge system		HS302.3	Explain the Fundamentals of Ancient Indian Mathematics and Computation	Understand
To build in the learners a deep-rooted pride in Indian knowledge, committed to sustainable development		HS302.4	Explain the Fundamentals of Ancient Indian Metallurgy and Architecture	Understand
		HS302.5	Explain the Fundamentals of Ancient Indian Philosophy, Literature, Culture, History and Governance	Understand

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS302.1	3	2	1	1	1	3	2	1	1	2	1	3			
HS302.2	3	2	1	1	1	3	2	1	1	2	1	3			
HS302.3	3	2	1	1	1	3	2	1	1	2	1	3			
HS302.4	3	2	1	1	1	3	2	1	1	2	1	3			
HS302.5	3	2	1	1	1	33	2	1	1	2	1	3			
HS302	3.0	2.0	1.0	1.0	1.0	3.0	2.0	1.0	1.0	2.0	1.0	3.0			

SYLLABUS			
No.	Content	Hours	COs
I	**Introduction**: Introduction to Indian Knowledge System (IKS); Importance of Ancient Knowledge; Unique aspects of Indian Knowledge System; Wisdom through the ages; Indian Philosophers; Indian culture and Civilization; Ancient Indian Science and Technology	05	HS302.1
II	**Sciences**: **Physics**: Astronomy; Positional Astronomy, Mahayuga & Kalpa system, Yuga system, Ayanas, Months, tithis and seasons, Time units, sun and moon's motion, Planet position, Ayanachalana, Zero-precision year, Katapayaadi system, Indian nakshatra system **Chemistry**: Chemistry in India; Vatsyayana, Nagarjuna, Khanda, Al-Biruni, Vagbhata—Building of the Ras-shala (laboratory), Working arrangements of Ras-shala, Material and equipment, Yasodhara Bhatta—Process of distillation, Apparatus, Saranasamskara, Saranataila	06	HS302.2
III	**Mathematics and Computation**: **Mathematics**: Mathematics in India: Baudhayana's Sulbasutras, Aryabhata, Bhaskaracharya-I, Severas Sebokht, Syria, Brahmagupta, Bhaskaracharya-II, Jyesthadeva, Vedic Mathematics **Computer Science**: Brahamgupta (vargaprakrati, bhramasphuta siddhanta, bhavana), Ayatavftta, Ganitasarasamgraha, Lilavathi, Ganesadaivajna, Randavantika, Suryasidhhanta, Grahalaghava, Sadratnamala, Mandavrtta, Sighrartta, Bijaganita, Bakshali manuscript	06	HS302.3
IV	**Engineering**: **Mechanical**: Metals and Metallurgy in India: Survarna (gold) and its different types, prosperities, Rajata (silver), Tamra (copper), Loha (iron), Vanga (tin), Naga /sisa (lead), Pittala (brass), Manufacturing process and ship building **Civil**: Architecture in India: Nagara (northern style), Vesara (mixed style), and Dravida (southern style), Indian vernacular architecture, Temple style, Cave architecture, Rock cut architecture, Kalinga architecture, Chandels architecture, Rajput architecture, Jain architecture, Sikh architecture, Maratha architecture, Indo-Islamic architectural, Indo-Saracenic revival architecture, Greco-Buddhist style	06	HS302.4
V	**Humanities and Social Sciences**: Ancient Indian Philosophy; Basic history of India, Literature and the Epics; Ancient Indian culture and civilization; Health, Wellness & Psychology; Yoga way of life; Governance, Public Administration & Management reference to Ramayana, Artha Sastra, Kauṭilyan State; History and culture of the Northeast; Indigenous system of forest management in Meghalaya	05	HS302.5
	Total Hours	28	

Essential Readings

1. B Mahadevan, V. R. Bhat, N. Pavana R. N., *Introduction to IKS: Concepts and Applications*, PHI, 2023.

2. Kapur K. and A. K. Singh, *Indian Knowledge Systems*, *Vol. I.* Indian Institute of Advanced Study, Shimla, 2005.

Supplementary Readings

1. Sharma, A. K., *History of Science in India (Set)*, The Ramakrishna Mission Institute of Culture, 2012.

2. Nair, Shantha N., *Echoes of Ancient Indian Wisdom,* Hindology Books, 2008.

Programme	**Bachelor of Technology**		Year of Implementation	**2024-25**
Department	**Humanities and Social Sciences**		Semester	**VI**

Course Code	Course Name	Prerequisite	Credit Structure				Marks Distribution			
			L	T	P	C	INT	MID	END	Total
			2	**0**	**0**	**2**	**50**	**50**	**100**	**200**
HS372	**New Media Studies**	**Nil**	**COs**		**Statement**			**Bloom's Taxonomy**		

Course Objectives		Course Outcomes			
	To introduce the origin, history and evolution of New Media		HS372.1	Explain the origin, history and evolution of New Media	Understand
	To familiarize an informed acquaintance with the network society		HS372.2	Explain an informed acquaintance with the network society	Understand
	To familiarize the ethical and legal considerations surrounding the production and distribution of New Media		HS372.3	Evaluate the ethical and legal considerations surrounding the production and distribution of New Media	Evaluate
	To discuss the implications of New Media and the digital image to public lives in India		HS372.4	Evaluate the implications of New Media and the digital image to public lives in India	Evaluate

COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
HS372.1	-	-	-	-	1	1	1	1	1	3	1	3			
HS372.2	-	-	-	-	1	1	1	1	1	3	1	3			
HS372.3	-	-	-	-	1	1	1	1	1	3	1	3			
HS372.4	-	-	-	-	1	1	1	1	1	3	1	3			
HS372	-	-	-	-	1.0	1.0	1.0	1.0	1.0	3.0	1.0	3.0			

SYLLABUS			
No.	Content	Hours	COs
I	History and evolution of new media; New media and its aftermath; Concepts and role of new media; Interdisciplinary nature of new media; New media technologies; Advantage of new media over traditional media; Contemporary new media culture; Internet, knowledge and society; Politics of new media, New media research; AI in new media	8	HS372.1
II	Network and cyber-culture; Social-media and their impact on radio TV and newspapers; Origin and growth of world wide web and the Internet; Advertisements, marketing and online publicity; Use of blogs, tweets, etc. for story generation and development; Digital space of knowledge; Video games; Digital image; Virtual reality	8	HS372.2
III	Public domain and the digital commons; Copyright and IP; Piracy; Online ethics; Online streaming; Fan-subbing; Ownership/authorship debates; E-books and e-publishing; Internet and freedom of expression; Internet regulation in different countries and cyber laws	6	HS372.3
IV	New media in Indian politics: New media and the changing forms of politics and electoral behaviour in India; Indian media economy; Status of online journalism in India; Internet regulations in India; New media and popular culture in India	6	HS372.4
	Total Hours	28	

Essential Readings

1. Flew T., *New Media: An Introduction*, Oxford University Press, 2014.

2. Manovich, L., *The Language of New Media*, MIT Press, 2001.

Supplementary Readings

1. Manovich, L., *Instagram and Contemporary Image*, Web, 2016.

2. Athique, A., V. Parthasarathi, and S. V. Srinivas, *The Indian Media Economy*, Oxford University Press, 2018.

3. Sundaram, R., *Pirate Modernity: Media Urbanism in Delhi*, Routledge, 2010.