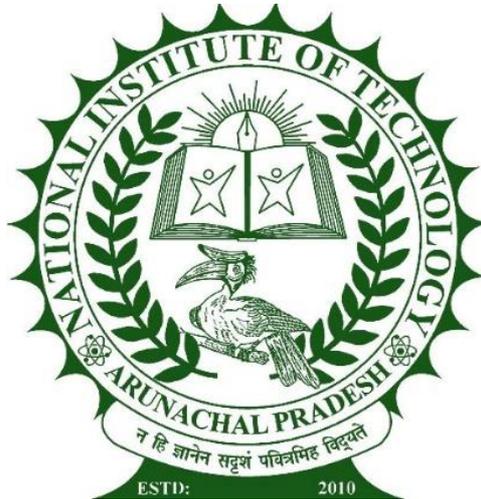Course Curriculum for M. Tech.

in

Management & Humanities

(For students admitted in 2019-20 onwards)

National Institute of Technology Arunachal Pradesh

P.O. - Yupia, Dist.–Papumpare, Arunachal Pradesh, Pin–791112
Phone No: 0360-2284801/2001582
Fax No: 0360-2284972
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INSTITUTE VISION

To transform into an acclaimed institution of higher learning with creation of an impact on the north eastern region in terms of innovation and entrepreneurship

INSTITUTE MISSION

To generate new knowledge through state of the art academic program and research in multidisciplinary field

To identify regional, Indian and global need to serve the society better.

To create an ambience to flourish new ideas, research and academic excellence to produce new leaders and innovators

To collaborate with other academic, research institutes and industries for wholistic growth of the students

Utilization of available big resources to encourage entrepreneurship through formation of startups.

DEPARTMENT VISION

"Department of Management & Humanities at NIT Arunachal Pradesh shall endeavour to promote entrepreneurial culture and develop communication skills of the students to enable them in contributing to the development of the society and the nation. It also nurtures human values among students.

DEPARTMENT MISSION

"The mission of the Department is to impart knowledge of Communication, Entrepreneurship, and Engineering Ethics to create quality Human Capital for the industries, who can lead ethically and contribute for sustainable development of the society and to develop inquisitive and cognitive mindset of students to have better outlook towards both professional and personal life.

Programme Educational Objectives (PEOs)

After successful completion of the program, the graduates will be:

1. Able to apply concepts and theories of management and communication in professional and personal life.
2. Able to design and craft interdisciplinary and innovative ideas.
3. Able to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Programme Outcomes (PEOs)

The followings are the programme outcomes:

1. Develop a sense of personal, social, and moral responsibility.

2. 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, and give and receive clear instructions.

3. Provide knowledge that enables the students to get the required inputs to become competent industrial engineers and managers acceptable to the present day industries.

4. Promote student's lifelong learning skills, entrepreneurial ability, ethical practices, creativity and communication.

COURSE STRUCTURE

1st Sem

Sl. No	Course Code	Course Title	L	T	P	C
1.	MH-501	Research Methodology	3	0	0	3

2nd Sem

Sl. No	Course Code	Course Title	L	T	P	C
1.	MH-521	Industrial Management	3	0	0	3
2.	MH-522	Entrepreneurship	3	0	0	3
3.	MH-523	Technical Writing	3	0	0	3

*Name of the Module: **Research Methodology***
*Module Code: **MH-501***
*Semester: **1ST***
*Credit Value: **3[L=3, T =0 P=0]***

A. Objectives
The course is design to meet the following objectives:
1. Research is a process of planning, acquiring, analyzing and disseminating relevant data, information and insights to decision makers in ways that mobilize the organization to take appropriate actions that, in turn, maximize the performance.

B. Course Content
Introduction to Research
Meaning and Significance of Research, Different Approaches to Research – Scientific Methods and Non-scientific Methods; Types of Research; Research Process; Ethics in Research.

The Research Problem and Design
Formulation and Definition of Research Problem, Variables**,** Formulation of Research Hypotheses, Research Design – Meaning and Formulation; Research Design Classification – Exploratory Research Design (Secondary Data & Qualitative Research), Descriptive Research Design (Survey & Observation) and Causal Research Design (Experimentation); Potential Sources of Errors in Research.

Sampling Design and Measurement Techniques,
The Sampling Design Process; Types of sample Design –Probability and Non-probability Sampling Designs; Size of Sample; Sampling Errors; Concept of Measurement and Scaling; Important Scaling Techniques – Comparative and Non-comparative; Reliability and Validity of Measurement.

Data Collection, Processing, Analysis and Report Writing
Questionnaires and Observation Forms; Questionnaire Design Process; Collecting Primary Data through – Observations, Semi-structured Interviews, In-depth Interviews and Questionnaire; Processing of Research Data – Editing, Coding, Classification and Tabulation, Exploring, Displaying and Examining Data; Basic Data Analysis–Descriptive Statistics; Univariate Statistics – Hypotheses Testing; Bivariate Analysis – Test of Differences and Measures of Association; Multivariate Analysis, Importance of the Report & Presentation; Various Report Format; Report Writing; Oral Presentation; Research Follow-up.

C. Text Books
1. *John W Creswell, Research Design, 4th Edition, New Delhi Sage Publishers India 2019*
2. *William Zikmund, Barry Babin, Jon Carr, Mitch Griffin, Business Research Methods, 8th Edition, Boston, Cengage Learning, 2013.*

D. Reference Books

1. *Alan Bryman and Emma Bell, Business Research Methods, 3rd Edition. New York, Oxford University Press, 2011.*
2. *C.R.Kothari, Research Methodology, 2nd Edition, New Delhi, New Age International Publication, 2004*
3. *D.R Cooper, PS Schindler, Business Research Methods New York, Tata McGraw Hill,- 2014*

E. Programme outcomes

On the successful completion of the course, the student would be able to
1. Understanding of Research process, types, Formulate the research problem and Design the research
2. Able to collect data and Analyze the data using SPSS
3. Interpret the results and Write the report

*Name of the Module: **Industrial Management***
*Module Code: **MH- 521***
*Semester: **2nd***
*Credit Value: **3 [L =3; T = 0; P = 0]***

A. Objectives
The course is designed to meet the objectives of:

1. Imparting theoretical lectures with case discussion.
2. Providing teaching with inclusive learning.
3. Making students aware about the importance of this subject in their future career.

B. Course Content

Concept of Management: Various approaches to management, management as an art, a Science and a profession, Managerial Skills, Process Management, Planning Mission, Goals, Strategy, Program and Procedure; Decision making process, decision making under risk and uncertainty, Models of decision making., Organizational Structure, Span of control, Staffing function with emphasis on performance appraisal, training and development, Motivation and Leadership, Control function- Process and Techniques

Production Management: Types of Production, Locational Decision, Plant Layout and Design, Production.

Planning Scheduling and Control: Work Study, Method Study and Wage, Payment Schemes and Bonus, Productivity concept and measurement.

Material management: Inventory Planning, Procurement functions, Procedures and Control, Storing planning procedure and control, Issue and Pricing, Inventory Control Techniques, Value Analysis and Engineering.

C. Text Books

1. *Khanna, O.P. Industrial Engineering and Management, New Delhi, Dhanpat Rai Publishers, 2018.*

2. *Raju, N.V.S., Industrial Engineering & Management, First Edition, New Delhi, Cengage Learning India, 2013.*

D. Reference Books

1. *Badiru, A, Hand Book of Industrial and System Engineers, Second Edition, Boca Raton CRC press, 2020.*
2. *Blanchand, B &Fabrycky,J. W, System Engineering Analysis, Fourth Edition, Englewood Cliffs, NJ, Prentice Hall, 2005.*

D. Programme Outcomes

1. Student shall be able to describe basic concepts and theories within the area of industrial management.
2. The student shall be able to use these concepts and theories in limited analysis of an organization.
3.   With the backup knowledge their performance will be definitely much better in their workplace

Module Name: **Entrepreneurship**
Module Code: MH522
Semester: 2ⁿᵈ M.Tech
Credit: 3[L=3, T =0, P=0]

A. Objectives:
The course is designed to meet the following objectives:
1. to understand basic concepts of entrepreneurship and its role and importance for economic development,
2. to allow students to identify and create business opportunities that may be commercialized successfully,
3. to motivate students to develop their skills on the traits that they want to carry forward,
4. to develop personal creativity and entrepreneurial initiative for successful development of entrepreneurial ventures.

B. Course Content:

Introduction to Entrepreneurship:
Meaning, Role of Entrepreneur, Entrepreneur Process: different approaches, Motivation for becoming an Entrepreneur. SME Concept, its role, status, prospects and policies for promotion of SMEs, Importance of Entrepreneurship, Qualities of successful Entrepreneur, Functions of an Entrepreneur, Types of Entrepreneur, Issues & Problems Entrepreneurial Practices, idea generation, startup policy.

Entrepreneurship models
Growth Strategies, Value position, Market Segments, Value Chain Structure, Revenue Model, Entrepreneurship Development Programmes (EDPs), Factors & Models of Entrepreneurial Development, Women Entrepreneurship: Opportunities, promotion Hurdles and Prospects of women Entrepreneurs.

Business Plans and IPR
Risk Management, Feasibility Study, Forecasting, Business plan, Strategic Plan vs Business Plan, Innovation and creativity, Design Thinking, Opportunity Identification, Idea generation, IPR, Sustainable Entrepreneurship.

Forest based Industries
Farm based enterprises for production and post production of Agriculture produce and horticulture produce, Livestock production, Handlooms & Sericulture; Handicraft, coir, jute & leather, Role of Entrepreneurial Institutions in Entrepreneurship Development, Director of Industries; DIC; SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISBUD; State Financial Corporation SIC, Various Schemes and Incentives.

C. Text Books:

1. *Vasant Desai, Small-Scale Industries and Entrepreneurship, Himalaya Publishing House, 2011.*
2. *Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd and Sabyasachi Sinha, Entrepreneurship, McGraw Hill, 2020.*
3. *B. Badhai, Entrepreneurship Development, B. K. Publications Private Limited, 2019.*

D. Reference Books:
1. *Rajeev Roy, Entrepreneurship, Oxford University Press, 2011.*
2. *Charantimath Poornima, Entrepreneurship Development and Small Business Enterprises, Pearson Education, 2018.*
3. *Madhukar Shukla, Social Entrepreneurship in India: Quarter Idealism and a Pound of Pragmatism, SAGE Publications India Pvt Ltd, 2020.*

E. Programme Outcomes:
Students successfully completing this module will be able to:
1. Students will be able to start their venture more scientifically.

2. Students will be able to start their venture by linking with the financial institutions

3. Mobilize resources (both human and material) for future growth, development and protection of their enterprise

*Name of the Module: **Technical Writing***
*Module Code: **MH-523***
*Semester: 2ⁿᵈ **M.Tech***
*Credit Value: **3 [L=3, T=0, P=0]***

A. Objectives:

The course is designed to meet the following objectives:

- To make learners understand the significance of Technical Writing
- To make learners identify the kind of language required for Technical Writing
- To enable the learners practice the style and structure of different kinds of Technical Writing

B. Course Content:

Introduction to Technical Writing: Definition, History of Technical Writing, Characteristics of Technical Writing, Importance of Technical Writing, Types of Technical Documents, Difference between Technical and Non-technical Writing.

Language in Technical Writing: Analysis and Mechanism of Elements in Sentences-the Parts of Sentences, the Clauses, the Correct Verb Usage: Tense, Voice and Mood, Coordination and Subordination, Pronoun Reference and Antecedents, Recursion, Nominalization.

Different Kinds of Technical Writing: research papers, user manuals, thesis, various Technical Reports, Technical E-mails, Project Proposals, Brochures, Questionnaires, PowerPoint and poster presentation. Brainstorming, Note-Taking, Writing Paragraphs: Structure and Development, Methods of Development, the Paraphrase of Literature Review and its mechanics (et.al, ibid...,), Plagiarism.

Style and Structure of Technical Writing: Style and Format, A Review of Common Errors (ESL trouble spots) and Tips for style and word choice, Terminology and Jargon, Bibliographies and References, the Mechanics: Punctuations, Acronym and Abbreviation, Figures (Graphs) and Tables, Flowcharts, Sections and Section Numbering, and other elements in technical writing, Assessing Audience and Context, Proofreading, Checklist for Proofreading.

C. Text Books:

1. *Gerald J. Alred, et. al, Handbook of Technical Writing, 10ᵗʰ Edition, Publisher: IEEE, 2011.*
2. *Phillip A. Laplante, Technical Writing, A Practical Guide for Engineers and Scientists, Taylor & Francis, 1ˢᵗ Edition, 2012.*
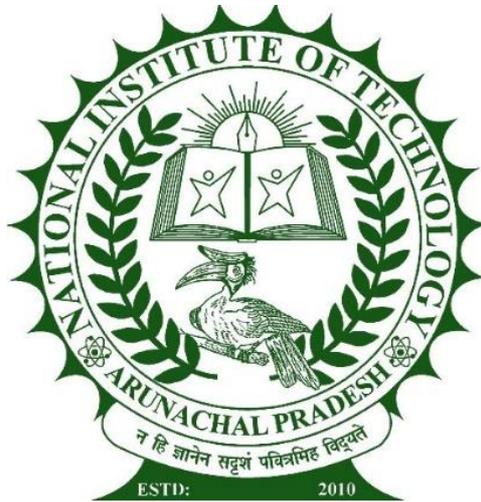
D. Reference:

1. *Biber, D., & Gray, B.. Grammatical complexity in academic English: Linguistic change in writing, Cambridge: Cambridge University Press. 2016.*
2. *Ken Hyland, Feng (Kevin) Jiang, Is academic writing becoming more informal? English for Specific Purposes 45 40–51. 2017.*
3. *Bennet, K,. English academic style manuals: A survey, Journal of English for Academic Purposes, 8, 43-54. 2009.*
4. *S. Ravilla. The Elements of International English Style: A Guide to Writing English Correspondence, Reports, Technical Documents, and Internet Pages for a Global Audience, IEEE Transactions on Professional Communication, Volume: 49, Issue: 3, Sept. 2006.*

E. Programme Outcomes:

The learners will be able to

- understand the significance of Technical Writing

- identify the kind of language required for Technical Writing

- practice the style and structure of different kinds of Technical Writing

Course Curriculum for PhD

in

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After successful completion of the program, the graduates will be:

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Programme Outcomes (PEOs)

The followings are the programme outcomes:

1. Develop a sense of personal, social, and moral responsibility.

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4. Promote student's lifelong learning skills, entrepreneurial ability, ethical practices, creativity and communication.

COURSE STRUCTURE

Sl. No	Course Code	Course Title	L	T	P	C
1.	PHD040	English Language and Literature	3	0	0	3
2.	PHD041	Contemporary Literary Theories	3	0	0	3
3.	PHD042	Indian Writing in English	3	0	0	3
4.	PHD043	Principles and Practices of Management	3	0	0	3
5.	PHD044	Stress Management	3	0	0	3
6.	PHD045	Tourism Management	3	0	0	3
7.	PHD047	Entrepreneurship	3	0	0	3
8.	PHD048	Human Resource Planning	3	0	0	3
9.	PHD049	Micro-finance	3	0	0	3
10.	PHD052	Higher Education Management	3	0	0	3
11.	PHD062	Eco-Criticism	3	0	0	3
12.	PHD066	Principle and Practice of Social Entrepreneurship	3	0	0	3
13.	PHD068	Training and Development	3	0	0	3
14.	PHD218	Library Automation and Digitization	3	0	0	3
15.	PHD219	Organizational Behavior	3	0	0	3
16.	PHD220	Financial Accounting	3	0	0	3
17.	PHD102	Linguistics	3	0	0	3
18.	PHD103	Financial Management	3	0	0	3

*Name of the Module: **English Language and Literature***
*Module Code: **PHD040***
*Semester: **PhD***
*Credit Value: **3 [L=3, T=0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
- To make the learners distinguish different ages of English Literature and to identify the notable writers and their works in each age
- To explore the learners to different Genres of Literature with notable examples
- To make the learners understand different kinds of Literature at the global level and to identify the notable writers and their works in each literature
- To get learners introduced to the history of English Language

B. Course Content:

Introduction to the History of English Literature: Historical Perspective and Background, The Elizabethan Age, Chaucer Age, The Shakespeare Age, The Jacobean Age, The Restoration Period, The Augustan Age, The Romantic Age, The Victorian Age Modernism and Postmodernism.

Introduction to Literary Genres: Tales, Fables, Folklore, Legends, Drama and Plays, Lyrics, Prose and Sonnets, Prose Poetry, Essays, Novels, Short stories, Biography and Autobiography.

Introduction to Global Literature: European literature, American literature, African literature, Asian literature and Canadian literature.

Introduction to the History of English Language: Place of English in the Indo-European family, Grimm's law, Verner's law-mutation, Old English, Middle English, Impact of Renaissance and Reformation on the growth of the English language. The rise and growth of standard English.

C. Text Books:
1. *Andrew Sanders, Short Oxford History of English Literature, OUP, 2004.*
2. *Michael Alexander, A History of English Literature, Macmillan, 2013.*

D. Reference:
1. *M.H. Abrams, A Glossary of Literary Terms, Cengage, 2011.*
2. *Subhamoy Das, A Critical Handbook of Literature in English. New Delhi: Jawahar pub.& dist. 2015*

E. Programme Outcomes:
   The learners will be able to
* distinguish different ages of English Literature and to identify the notable writers and their works in each age
* explore to different Genres of Literature with notable examples
* understand different kinds of Literature at the global level and to identify the notable writers and their works in each literature
* understand the history of English Language

*Module Name: **Contemporary Literary Theories***
*Module Code: **PHD041***
*Semester: **PhD***
*Credit: **03 [L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To introduce the major principles of current critical approaches and theories.
2. To focus on developing the students' critical analysis on texts.
3. To analyse texts constructively beyond emotion and personal preference.

B. Course Content:

Understanding the Criticism

Introduction to Literature and Critical Practice- Literature Teaching and Testing- Traditional Literary Criticism.

Critical Approaches

Formalism- Practical Criticism-New Criticism- Colonialism-Modernism-Structuralism-Stylistics

Current Critical Theories

Post Structuralism- Deconstruction- Misreading- Post Freudian Criticism- Social Discourse-Reader Oriented Theories- Post Colonialism-Post Modernism- Post Structuralism

Other Approaches

Gender Based Theories (Feminism, LGBT, Queer Theory)-Historicism- Cultural Materialism-Marxism-Cultural Studies-Eco Criticism

C. Text Books:

1. *Krishnaswamy.N, Ram R.V Working with Contemporary Literary Theory (2015) Bloomsbury Publishing India, New Delhi*
2. *William E. Cain et al, The Norton Anthology of Theory and Criticism, W. W. Norton, 2010.*
3. *Raman Selden et al., A Reader's Guide to Contemporary Literary Theory, Longman, 2005.*

D. Reference Books:

1. *Evan Gottlieb, Engagements with Contemporary Literary and Critical Theory, Routledge, 2019.*
2. *M. A. R. Habib, Literary Criticism from Plato to the Present: An Introduction, Wiley-Blackwell, 2012.*
3. *Pramod K. Nayar, Contemporary Literary and Cultural Theory: From Structuralism To Ecocriticism, Pearson, 2010.*

E. Programme Outcomes:

- Logical and systematic analysis of discourse.
- Able to apply different theories to the interpretation or analysis of works of literature.
- Evaluate the strengths and weaknesses of different theoretical arguments.

Name of the Module: **Indian Writing in English**
Module Code: **PHD042**
Semester: **PhD**
Credit Value: 3 [L=3, T=0, P=0]

A. Objectives:

The course is designed to meet the following objectives:
1. To acquire the knowledge and perspectives in Indian Writing in English (IWE).
2. To understand the various features of Indian literature in English.
3. To get a glimpse of the Northeast literatures in English.

B. Course Content:

Introduction to Indian Writings in English: Arrival of East India Company and the associated impact, History of Indian Writing in English, Pre-independence Works.

Indian Fiction: Evolution of Indian fiction, *Cry the Peacock* - Anitha Desa, *English Teacher* - R. K.Narayan, *The Hidden Land* - Mamang Dai.

Indian Drama: Classical Indian Drama- *Natyasastra*, Pre-Independence Indian English Drama, Modern Indian English Drama.

Indian Poetry: Early Indian English poetry, Poetry after the 1950s, Popular works of poets- Nilmoni Phukan, Temsula Ao, Robin Ngangom, Chandrakanta Murasingh, Kynpham Sing Nongkynrih.

C. Text Books:
1. *K.R. Srinivasa Iyengar, Indian Writing in English, Asia Publishing House, 2019.*
2. *Arvind Krishna Mehrotra,A History of Indian Literature in English C. Hurst & Co. Publishers, 2003.*

D. Reference:
1. *K.A. Agrawal, Indian Writing in English: A Critical Study, Atlantic, 2018.*
2. *Appudurai, Arjun, Appadurai, Arjun. Modernity at Large: Cultural Dimensions of Globalization, University of Minnesota Press, Minneapolis, 2005*

E. Programme Outcomes:

- Students have understood how well the Indian culture is reflected in Literature.
- An understanding of the socio cultural aspect would have been reached.
- By the end of course the students would have gained knowledge about the masterpieces in Indian literature and insights on Northeast literary works.

Name of the Module: **Principles and Practices of Management**
Module Code: **PHD43**
Semester: **PhD**
Credit Value: **3[L=3, T =0 P=0]**

A. Objectives:

The course is design to meet the following objectives:

1. This course is foundation course of management, where it creates basic awareness of management from principles and practice point of view
 2. Understand and explain the concept of management and its managerial perspective.
3. It shall equip students to map complex managerial aspect arise due to ground realities of an organization.
4. Students gain knowledge of contemporary issues in Management principals and various approaches to resolve those issues.

B. Course Content:

Introduction to Management
Concept, Nature, Importance, Management: Art and Science, Management As a Profession, Management Vs. Administration, Management Skills, Levels of Management in various types of organizations, Characteristics of Quality Managers. Evolution of Management: Early contributions, Taylor and Scientific Management, Fayol's Administrative Management, Bureaucracy, Hawthorne Experiments and Human Relations, Social System Approach, Decision Theory Approach. Social Responsibility of Managers and Ethics in Managing.

Functions of Management:
Introduction to Functions of Management Planning: Nature, Scope, Objectives and Significance of Planning, Types of Planning, Process of Planning, Planning Premises and Forecasting, Key to Planning and Barriers to Effective Planning, Decision Making in Organizing: Concept, Management theories, Organisational Theories, Forms of Organisational Structure, Departmentalization, Span of Control, Delegation of Authority, Authority & Responsibility, Organisational Design (OD) and The Systems approach to Management.

Staffing

 Concept, System Approach, Manpower Planning, Job Design, Recruitment & Selection, Training & Development, Performance Appraisal Directing: Concept, Direction and Supervision Motivation: Concept, Motivation and Performance, Special Motivational

techniques: Money, participation, reward systems, Quality of Work Life, Job Enrichment & Morale Building.

Leadership

Concept and Functions, Process and models of Leadership Development, Contemporary views on Leadership: Transformational-Transactional, Charismatic-Visionary leadership. Controlling: Concept, Types of Control, Methods: Pre-control: Concurrent Control: Post-control, An Integrated Control System.

C. Text Books:

1. *Gary Dessler Human Resource Management, 15th Edition, New York, Pearson, 2017.*
2. *Paul Thornton, Management Principles and Practices, 6th Edition, WestmarkDr, Dubuque, Kendall Hunt Publishing Company, 2017.*

D. Reference Books:
1. *F.W. Taylor, Principles of Scientific Management, London, Whiteleaf International, 2012.*
2. *Atreyee Ganguly, Principles of Management by New Delhi ,Cengage India, 2020.*
3. *T.N. Chhabra, Principles & Practices of Management, New Delhi, Dhanpat Rai Publications, 2018.*

E. Programme outcomes

On the successful completion of the course, the student would be able to:

- To gain an understanding and awareness and knowledge of contemporary issues and approaches to principals of management organizational leading them to understand and approach a managerial issue related to managerial challenges of solving organizational problems with managerial practices and interventions.

*Module Name: **Stress Management***
*Module Code: **PHD044***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To learn concept and definition of stress management.
2. To learn Nature, stages, symptoms of stress
3. To learn Types of stressor and elimination of stress
4. To learn Job/work Stress and their management.

B. Course Content:

Introduction of Stress

What is stress, sources of stress, types of stress, personality factors and stress, Stress and the college students, stress and nervous system, organisational stress

Nature, Stages & Symptoms

Hypothalamic-Pituitary-Adrenal(HPA) Axis, Effect of Stress on Immune System, Health Risk Associated with Chronic Stress, Stress and Major Psychiatric Disorders, Understanding your stress level, Role of personality pattern, self-esteem, locus of control

Stressors and their Elimination

Role of thoughts beliefs and emotions, Role of thoughts beliefs and emotions, Life situation intrapersonal: (Assertiveness, Time Management)

Stress Management Techniques

Developing Cognitive Coping Skills, Autogenic Training, imagery and progressive relaxation techniques, Exercise and health, DIY strategies stress Management and case study

C. Text Books:

1. *Ruth Baer, Stress Management, Global Vision Publishing House, 2nd edition 2019*
2. *Chaitow L., Bradley D., Gilbert C, Multidisciplinary Approaches to Breathing Pattern Disorders, Churchill Livingstone 2002.*

D. Reference Books:

1. *Dr. Wasiyoddin R. Mujawar, Psychology of Social Work Practice, Oxford publication 2019.*
2. *Dr. Viswanathan Gopalan, Stress Management: an Integrated Approach, GenNext Publication 2016.*

E. Programme Outcomes:
- Identify the stress, symptoms, and sources.
- Learn stress management skills and techniques.
- Able to manage work /job stress in their professional and personal life.

*Module Name: **Tourism Management***
*Module Code: **PHD045***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:

The course is designed to meet the following objectives:

1. Develop understanding about the concept and theories of tourism industry
2. Give insight into the tourism industry.

B. Course Content:

Understanding Tourism Operation

Introduction, definition, types of tourism, travel motivator, travel agents & tour operators (roles& functions & their types), Modes of transportation, types of accommodation, elements of tourism operation (Accessibility, Accommodation, Amenities, Attraction & Activities), Managing linkages with service suppliers, Tourism policy 2020 Govt. Of India.

Significance of Tourism Industry

Contribution of tourism industry on the social, cultural and economic development of the nation, employment generation & regional development. Positive& negative impact of tourism.

Tourism Marketing

Tourism product (types & characteristics), tourism marketing mix, market segmentation (definition, basis of segmentation & advantages of market segmentation). Home stay for NER

Customer Service

Concept & definition, importance of customer care & providing quality service in tourism, handling customer complaints. Successful story and case stdy.

C. Text Books:

1. *S.R. Chauhan, Sustainable Tourism, Global Vision Publishing 2019.*
2. *A. K. Bhatia, Tourism Management & Marketing, Sterling Publishers Pvt. Ltd.2004.*

D. Reference Books:

1. *Ashok Aima, Vinay Chauhan, Jaya Bhasin, Contemporary Trends In Tourism And Hospitality Management, Primus Books, 2013.*
2. *Jag Mohon Negi, Travel Agency & Tour Operation, Concept & Principles, Kanishka 2002.*

E. Programme Outcomes:

- Gets skills and techniques of tourism industry.
- Students can be aware about the various areas that can be explored for further research & development.

A. Objectives:
The course is designed to meet the following objectives:
1. to understand basic concepts of entrepreneurship and its role and importance for economic development,
2. to allow students to identify and create business opportunities that may be commercialized successfully,
3. to motivate students to develop their skills on the traits that they want to carry forward,
4. to develop personal creativity and entrepreneurial initiative for successful development of entrepreneurial ventures.

B. Course Content:

Introduction to Entrepreneurship:
Meaning, Role of Entrepreneur, Entrepreneur Process: different approaches, Motivation for becoming an Entrepreneur. SME Concept, its role, status, prospects and policies for promotion of SMEs, Importance of Entrepreneurship, Qualities of successful Entrepreneur, Functions of an Entrepreneur, Types of Entrepreneur, Issues & Problems Entrepreneurial Practices, idea generation, startup policy.

Entrepreneurship models
Growth Strategies, Value position, Market Segments, Value Chain Structure, Revenue Model, Entrepreneurship Development Programmes (EDPs), Factors & Models of Entrepreneurial Development, Women Entrepreneurship: Opportunities, promotion Hurdles and Prospects of women Entrepreneurs.

Business Plans and IPR
Risk Management, Feasibility Study, Forecasting, Business plan, Strategic Plan vs Business Plan, Innovation and creativity, Design Thinking, Opportunity Identification, Idea generation, IPR, Sustainable Entrepreneurship.

Forest based Industries
Farm based enterprises for production and post production of Agriculture produce and horticulture produce, Livestock production, Handlooms & Sericulture; Handicraft, coir, jute & leather, Role of Entrepreneurial Institutions in Entrepreneurship Development, Director of Industries; DIC; SIDO; SIDBI; Small Industries Development Corporation (SIDC); SISI; NSIC; NISBUD; State Financial Corporation SIC, Various Schemes and Incentives.

C. Text Books:

1. *Vasant Desai, Small-Scale Industries and Entrepreneurship, Himalaya Publishing House, 2011.*
2. *Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd and Sabyasachi Sinha, Entrepreneurship, McGraw Hill, 2020.*
3. *B. Badhai, Entrepreneurship Development, B. K. Publications Private Limited, 2019.*

D. Reference Books:
1. *Rajeev Roy, Entrepreneurship, Oxford University Press, 2011.*
2. *Charantimath Poornima, Entrepreneurship Development and Small Business Enterprises, Pearson Education, 2018.*
3. *Madhukar Shukla, Social Entrepreneurship in India: Quarter Idealism and a Pound of Pragmatism, SAGE Publications India Pvt Ltd, 2020.*

E. Programme Outcomes:
Students successfully completing this module will be able to:
1. Students will be able to start their venture more scientifically.

2. Students will be able to start their venture by linking with the financial institutions

3. Mobilize resources (both human and material) for future growth, development and protection of their enterprise

*Module Name: **Human Resource Planning***
*Module Code: **PHD048***
*Semester: **PhD***
*Credit Value: **3 [L=3, T =0 P=0]***

A. Objectives
The course is designed to meet the following objectives

1. To recruit and maintain the HR of requisite quantity and quality.
2. To appraise the surplus or shortage of human resources and take actions accordingly.
3. To minimize imbalances caused due to non-availability of human resources of right kind, right number in right time and right place.
4. To estimate the cost of human resources.

B. Course Content:

Introduction to Manpower Planning
Factors Affecting Manpower Planning, Need for Manpower Planning, Five Steps in Manpower Planning, Importance of Manpower Planning, Obstacles in Manpower Planning, Advantages of Manpower Planning, Successful Manpower Planning, Demand Forecast Development, Effective Decision Making, Gaining Senior Management Support, Meeting the Organization's Goals and Objectives, Forecasting, Demand Forecasting techniques, Supply Forecasting.

Human Resource Accounting
Introduction, Definition of Human Resource Accounting, Need, Significance, Objectives for HRA, Advantages of HRA, Methods of HRA, Objections to HRA, Controlling Manpower Costs, True Costs of Planning and Recruitment, Human Resource Accounting in India

Developing a Manpower Plan*: Developing a Manpower Plan, Competency Mapping (Skill Inventory), Components of Resourcing Strategy, Business Scenario Planning, Estimating Future Human Resource requirements, Labour Turnover, Action Planning, Role of HR in Developing Resource Capability, Resourcing Strategy, Selection Process, Selection Methods, Psychological tests, Types of tests, Validity of tests, interpreting test results, Psychometric tests, online test, Importance of tests, Interviews, Benefits of an Induction program, Training, , Career Planning, Succession planning, Talent management, Employee turnover Employee exit process (Managing organizational release).

Recent Trends in Manpower Development and Planning:
Introduction, Competency mapping, Knowledge management, E-Manpower Development, E-Manpower planning.

C. Text Books

1. *JFahed-Sreih , Human Resource Planning for the 21stCentury, London, IntechOpen, 2018.*
2. *Monica Belcourt, Human Resource Planning, Toronto Nelson Education (Nelson Education series in Human Resources Management), 2013.*

D. Reference Books:

1. *Monica Belcourt and Mark Podolsky Strategic human resources planning, Seventh Edition, Toronto Nelson Education, 2018*
2. *Human Resource Planning, Jaipur National University, Jaipur.JNU, 2013*
3. *Human Resource Planning: Relevance and Debates In: People Resource in, Stephen, T., London: Chartered Institute of Personnel and Development, 2008.*

E. **Program Outcomes**:
 On completion of this course, the student will have reliably demonstrated the ability to:
1. analyze the theory and concepts of human resource planning.
2. identify the evolution of HRP throughout the organization.
3. relate and apply models and methods used in forecasting.
4. describe the applications of a Human Resources Information System.
5. evaluate the organization's planning program.

*Module Name: **Microfinance***
*Module Code: **PHD049***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To Know Microfinance Business concepts and their environment.
2. To know the SHGs movements for the economic development in India.

B. Course Content:

Introduction of Microfinance

Introduction, history of Microfinance, Worldwide developments, Contemporary aspects, institutional supports, NABARD.

Microfinance in India

Introduction, History of Microfinance in India, Recommendations of various committees, Outreach of Microfinance, Banking potential for Microfinance in India.

Government and Microfinance

Introduction, SHGs and different schemes, SHG and Poverty Alleviation Programs, SHG and Special Programs/ Schemes, successful case study SHG organisation, Benefit of SHGs to members, Benefits to women, Benefits to Banks, Benefits to Government, Benefits to Voluntary Agencies and Benefits to Society.

Case study and Successful story

Lesson from Lessons from Muhammad Yunus and the Grameen Bank , Related to Microfinance Support Institutions in the Formal Sector, Grameen Bank, India's top leading MFIs.

C. Text Books:

1. *, P M, Suman & M Subramanyam,, Financial Inclusion through Micro FinanceNew Century Publications 2018.*
2. *Asif & Dipal Barua.. The Poor Always Pay Back: The Grameen II Story Dowla, Kumarian Press Inc.2006.*

D. Reference Books:

1. *Ledgerwood, Joanna and Victoria White, Transforming Microfinance Institutions: Providing Full Financial Services to the Poor,. World Bank, 2006.*
2. *Rutherford et. al, The Poor and Their Money, Oxford University Press, Delhi, 2000.*

E. Programme Outcomes:

- Understand the microfinance business models.
- Able to develop microfinance business supports whenever required.

*Module Name: **Higher Education Management***
*Module Code: **PHD052***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:

The course is designed to meet the following objectives:

1. To Study the growth and development of the higher education in terms of establishment, innovation and legality
2. To identify the problems, progress and prosperity in the form of Management of higher education with special reference to establishment, innovation and legality.
3. To do research and bring out new reforms and policy implementation for the management of higher education in the form of establishment, innovation and legality.

B. Course Content:

Introduction to Higher Education

Introduction, Aim and Objective of the student of Management of higher education of Arunachal Pradesh policy, program of establishment, innovation and legality. Establishment of higher education

Education Policy and program

Policies and programmes of establishment, innovations and legality of management of higher education in India and abroad comparison

Management of Higher Education

Public/Private Partnership, Governance, Access and Equity, Policy Planning for export, Economics of Higher Education, Evaluation and Assessment System, Assessment and Accreditation.

Innovation in higher education

Innovations in the higher education management, growth and strategies. Case study on higher education management.

C. Text Books:

1. *Rashmi Soni, Higher Education - India And Abroad University: The Seat of Higher Learning, Atlantic 2014*
2. *Jagannath Mohanty and Susandhya Mohanty ,Inclusive Education: Its Evolutionary Growth, Deep & Deep Publication, 2011.*

D. Reference Books:
1. *Kalika Yadav et. al,Innovations in Indian Education System, Shipra Publications, 2011.*
2. *Pawan Agarwal, Indian higher education: envisioning the future, Sage India, 2009.*
3. *B. M Naik and W.S Kandlikar, Higher and Technical education: book of Know, Gyan Publishing house, 2010.*

E. Programme Outcomes:
- Student will have thorough information about the growthand development of higher education with special information to establishment innovations and legality in the state of Arunachal Pradesh.
- Student will have new concept and method for the progress and prosperity of the management of higher education, innovation and legality in the state of Arunachal Pradesh.

*Module Name: **Ecocriticism***
*Module Code: **PHD062***
*Semester: **PhD***
*Credit: **3 [L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To give insights into the literature and ecology.
2. To analyse texts that illustrate environmental concerns and examine the various ways literature treats the subject of nature
3. To introduce the major principles of ecocritical approaches to analyse texts with various standpoints.
4. To highlight the validation of environmental management.

B. Course Content:

Introduction to Ecocriticism

Introduction and Definitions, History of Ecocriticism, Scope of Ecocriticism, Ecocritical Approaches to Literature: Ecocriticism and Green Studies, Principles of Ecocriticism.

Literature and Ecology

Deep Ecology, Beyond Ecology, Human Ecology, Literary Ecology, Ecological crisis.

Literature and Nature

Eco-consciousness, Environmental ethics, Environmental politics, The Nature of Natural History, Nature writing, End of nature, Nature writers, Reviewing Pastoral through ecocritical lens, The use of landscape, Ecofeminism, Ecopoetics.

Critical Studies of Environmental Literature

Taxonomy of nature writing, Environmental crisis and literary imagination, Development and   validation of critical factors of environmental management.

C. Text Books:

1. Cheryll Glotfelty, The ecocriticism reader: landmarks in literary ecology Harold Fromm -
Univ. of Georgia Press – 2009
2. Greg Garrard , Teaching ecocriticism and green cultural studies, Palgrave Macmillan – 2012
3. Greg Garrard, *The Oxford Handbook of Ecocriticism,* Oxford, 2014.

D. Reference Books:

1. *Carolyn Merchant, The death of nature: women, ecology, and the scientific revolution HarperOne, 2008.*
2. *ISLE Journal: Interdisciplinary Studies in Literature and Environment*
3. *Green Letters, Studies in Ecocriticism, Taylor & Francis Journal*

E. Programme Outcomes:
The learners will be able to

- Understand the complex and various representations/discourse of nature.
- Use the methodology based on ecocriticism to judge the ecological significance of texts, recognizing the limitations of the enquiry.

*Module Name: **Principle and Practice of Social Entrepreneurship***
*Module Code: **PHD066***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:

The course is designed to meet the following objectives:

> 1. Give insights into the theoretical aspects of Social Entrepreneurships, its concepts
> 2. Students will gain Knowledge of the contemporary issues in managing Social enterprises and approaches to solve the social problems with innovation and cost effective manner.

B. Course Content:

Social Entrepreneurship

Introduction to Social Entrepreneurship-Definitional Disputes, Characteristics of Social Entrepreneurs, Policy Gap in Indian Social Entrepreneurship related Policies, Legislative Activism.

Social Value Proposition

Identification of Social Business Opportunity, Sectors for Social Interventions, Triple bottom lines, Leveraging Digital Technology for Social Entrepreneurship, theories

Methods and Techniques of social entrepreneurship

Venture Planning, Venture Start-ups, Incubation & Training for Social Entrepreneurships, Social Investment funding sources, Impact Investors, CSR collaborations, Scaling Up, Measuring and Scaling of Social Impacts, Various methods and techniques, sources of finance and govt. schemes.

Case study/successful story

Role of SE for achieving SDGs, Role of Social Innovation - Case study in Health Sector, Case study of Best Social Entrepreneurs around the world, successful story,

C. Text Books:

1. *Madhukar Shukla,Social Entrepreneurship in India : Quarter Idealism and a Pound of Pragmatism, SAGE Publications India Pvt Ltd, 2020*
2. *David Bornstein and Susan Davis, Social Entrepreneurship: What Every One Needs To Know, Oxford University press 2010*

D. Reference Books:

1. *Michael P. Peters, Dean A. Shepherd and Sabyasachi Sinha, Entrepreneurship, Robert D. Hisrich, McGraw Hill, 2020.*
2. *Frank Martin and Marcus Thompson Palgrave, Social Enterprise Developing Sustainable Businesses, Macmillan 2010*

E. Programme Outcomes:
- The student would be able to Apply the concepts techniques to manage social enterprises.
- To lead to innovations to solve social problems with social entrepreneurship approaches.

*Module Name: **Training and Development***
*Module Code: **PHD068***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
      1. Give insights into the basic Training and Development in research.
      2. Develop an understanding and able to write about Training and Development in research field.

B. Course Content:
Introduction to training
Concept of training, Need for training, Importance of training, , Identification of training need, Objectives of training, types of training, x

Training Methods
Designing a training programme, Methods and Techniques of training, Evaluation Training Effectiveness, Types of Training, difference between training and development.

Executive development
Concept of Executive Development, Objectives of Executive Development, Importance of Executive Development, Process of Executive Development, Methods and techniques of Executive Development, Principles of Executive Development, case study

Training and Development in India
Training Policy in India, MDP in Public Sector organisations, MDP in Private Sector organisations, Management Associations and Management Consultancy, Critical Evaluation of Training Programmes in India.

C. Text Books:
1. *Dipak Kumar Bhattacharyya, Training and Development Theories and Applications, SAGE Publications Pvt. Ltd 2015.*
2. *Leslie Rae , Art of Training and Development in Management, Crest Publication 2007.*

D. Reference Books:

1. *R.K. Sahu,Training for Development, Excel Books India, 2009.*
2. *Steven A. Beebe, Timothy P. Mottet, K. David Roach, Training and Development: Enhancing Communication and Leadershsip Skills, Allyn and Bacon, 2004*

E. Programme Outcomes:
- Gets skills and techniques of training and development
- Learners apply training skills in professional field.

*Module name: **Library Automation and Digitization***
*Module code:**PHD218***
*Semester: **Ph.D***
Credit: 3 [L=3,T=0, P=0]

A. Objectives:

The course is designed to meet the following objectives:

1. Automation of housekeeping operations with special reference to open source library automation software Koha; rendering of computerized services;

2. To get knowledge regarding media resources and their preservation and maintenance; need and purpose of digitization; processes, methods and equipment used for digitizing.

3. Developing digital library using open source DSpace software.

B. Course content:

Library Automation: An Introduction, Evolution of Library Automation: A Saga of Five Decades, ILSs in India: Categories and Evaluation, Procedural Model of Library Automation, Library Automation: Functional and System-Level Requirements, Library Automation: Global Recommendations and RFP

ILS: Open Source and Open Standards, Introduction to Koha ILS, MARC 21 Based Cataloguing: An Introduction.

MARC 21 Cataloguing in Practice: Bibliographic and Authority Data Management, Library Automation work-flow: Acquisition and Serials Control, Library Automation work-flow: Circulation and MIS, OPAC and Enhanced OPAC, ILS Administration, Major Trends and Future of Library Automation, Searching and Browsing in WINISIS, Open Access to Information, Self-Archiving.

Digitization and DSpace: Digitization, DSpace, Digital Library Software and Evolution criteria, DSpace Administration – DSpace Administration – DSpace Administration – Metadata, Dublin Core, Member, Subscription and Submission.

Lucene Search Engine and Harvesting In DSpace: Lucene Search Engine, Persistent Identifiers and CNRI Handles in DSpace ,Backup / Export and Import, DSpace Statistics, DSpace Installation, Technology of Digital Library.

C.Text Books:

1. Naik , N. Insights into Library Automation and Digitisation, Delhi,Swastik Publications, 2013

2. Mange Ram, Automation and Digitization software of library: open source and commercial, First Edition, Agra, Y.K. Publisher, 2015
3. , Neelam Sharma,   Automation and Digitization of university Library: Status, Prospects and Problems New Delhi, Northern Book Centre, 2012

D.Reference Books:

1. Haravu, L. J, Library Automation: Design, Principles and Practice, 1ˢᵗed.. Mumbai: Allied Publishers Pvt Limited. 2004.

2. Kochar, R. S., &Sudarshan, K. N, Library Automation: Issues and Systems,. 1ˢᵗ ed.. New Delhi: APH Publishing Corporation, 2007.

3. Galloway, E & Brenner,Digital library projects at of University of Pittsburg. A. Encyclopedia of Library and Information Science, USA, 2003.

E. Programme outcomes:

   On completion of this course, the student will able to know

1. Innovations in Information and Communication Technologies (ICT) which has brought about drastic changes in the day to day functioning of libraries.

2. Introduction of the microcomputers that brought a transition from manual systems to automated systems in housekeeping operations of the libraries.

3. Recent trend on digitisation of the collection and building digital repositories.

A. Objectives:

1. The study and practice of OB has become all the more pertinent in this era of continuously changing global business scenario and has become more important in the global economy as employees with diverse backgrounds and cultural values work together successfully and resourcefully.
2. This course will help the students to internalize learning by critically examining concepts in the classroom setting and then by applying them to real life situations.

B. Course content:

Introduction to organizational behavior, assumptions of OB, principles of OB, levels of OB, scope of OB, OB and Human Resource Management, Applications of OB, Historical developments of OB, and emerging concerns.

Perception and Learning, Personality, attitude Emotion and Motivation – understanding perception, Basic elements of perception, c) Principles of perceptual selection, Perceptual biases in social perception, Implications for human resource management, Learning- defining learning, classical and operant conditioning learning in organizations, **Personality**–Defining Personality, Theories of personality, measuring personality, **Attitudes** – Definition, Key elements, Characteristics, Attitude measurement, Attitudes at workplace , Prejudice and discrimination at workspace. Emotions in workplace - a) Definition, Types of emotions, Related concepts Motivation – a) Definition, b) Process of motivation, c) Types of motives, d) Motivators at workplace, e) Motivation theories.

Interpersonal Dynamics, Team Dynamics, and Power and Leadership – Definition, Psychological Contract, Levels and types of conflict at workplace, h) Conflict management Styles, Team Dynamics – Types of Teams, Stages in group development, problems in team work, Power and Leadership - Defining Power, Organizational politics, Leadership Theories of leadership, Contemporary issues.

Organizational culture – Individual and organizational culture, Organization Change -Nature of the chance process, Types of chance, managing resistance to change, Organizational Development interventions.

C. Text Books:

1. S. P, Judge, A.T and Vohra, N.Organizational Behaviour, Robbins , 18th EdiKindle Edition , New Delhi, Pearson India Education Services Pvt.Ltd.,2019

2. Nelson, L.D, Quick, C.J and Khandelwan,P, Organizational Behaviour: A South –Asian Perspective. Second Edition, New Delhi, Cengage Learning, 2016.

D. Reference Books:

1. Greenberg, J and Baron, Behaviours in Organization. Tenth Edition, A. New Delhi, PHI learning private Ltd,2010.

2. Pareek, U.   Understanding Organizational Behaviour, Third Edition, New Delhi, Oxford University Press, 2011

E. Program outcomes:

On the successful completion of the course, the student would be able to:

1. Demonstrate their understanding and competence with respect to fundamental managerial skills: Leadership, effective interpersonal relationship, managing politics and conflict and building effective teams.
2. Analyse, practice, develop and demonstrate their ability to use their fundamental personal, interpersonal and team building skills for positive organizational culture.
3. Develop the skills to understand the behavioral reactions to change and design the strategies to deal with the change.

*Name of the Module: **Financial Accounting***
*Module Code: **PHD220***
*Semester: **Ph.D***
Credit Value: 3[L=3, T =0 P=0]

A. Objectives

The course is design to meet the following objectives:

1. This course introduces students to the fundamental principles and procedures of accounting with emphasis on how financial statements communicate information about the business corporation's performance and position for users external to management.

2. Students will be able to understand how to record transactions, adjusting balances and preparing financial statements for service and merchandise firms according to established rules and procedures.

B. Course content

A primer on business organizations and need for accounting: Introduction to Accounting, Key accounting terms: Assets, Liabilities, Income, Expenses, Key accounting terms: Assets, Liabilities, Income, Expenses, Accounting equation, Type of businesses, Accounting as an information system, Walkthrough of financial statements, Accounting Principles: Income Statement, Accounting Principles II, Fundamentals of double entry system.

Accounting Cycle: Journal Entries, Leger Posting and Trial Balance, Output of Accounting cycle, Output of Accounting cycle: Final Accounts II.

Cash Flow Statement: Categorization of transactions, Cash Flow Statement II.

Analysis of Financial Statements: Liquidity Ratios, Solvency Ratios, Analysis of Financial Statements II, Profitability Ratios Turnover Ratios , Cost Volume Profit Analysis-Theoretical foundation for break-even analysis, Graphical representation , Techniques for Inventory Accounting and Control**:** Theoretical foundation for economic order quantity, ABC analysis, Stock accounting: LIFO, FIFO.

C. Text Books:

1. Dixon Cooper, Mitchell Franklin, and Patty Graybeal, Principles of Accounting Volume 1 - Financial Accounting, Georgia,12th Media Services,2019
2. Maheshwari, S.N., Maheshwari, S.K., and Maheshwari , S.K. A Textbook of Accounting for Management, 4th Edition, New Delhi, Vikas, 2018.

D. Reference Books:

1 *Narayanaswamy, R. Financial Accounting-A Managerial Perspective, 4th Edition, New Delhi, PHI., 2011*
2. Shah, P. Basic Financial Accounting for Management, Second Edition, New Delhi, Oxford University Press, 2013.

E. **Programme outcomes**

1. Students will have a basic understanding of how financial information is captured, recorded, reported and analysed.
2. Students will be able to judge and compare the financial health of different companies over a period of time.

*Module Name: **Linguistics***
*Module Code: **PHD102***
*Semester: **PhD***
*Credit: **3 [L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To teach the basic nature of language structure.
2. To understand and use methods of logical analysis in analyzing the data from a wide variety of languages and dialects.
3. To provide a broad interdisciplinary perspective in language to emphasize the connectedness and relevance of work to other fields.

B. Course Content:

Phonetics & Phonology
Phonetics, Voiced and voiceless sounds, Consonants, Place of articulation, Manner of articulation, Vowels, Diphthongs, Phonology, Phonemes, Phones and allophones, Minimal pairs and sets, Phonotactics, Syllables and clusters, Co-articulation effects, Assimilation, Elision, Normal speech, Stress, Accent, Intonation, Sound analysis-Praat & Spectrography.

Morphology
Morphology, Morphemes, Free and bound morphemes, Lexical and functional morphemes, Derivational and inflectional morphemes, Morphological description, Etymology, Coinage, Borrowing, Compounding, Blending, Clipping, Backformation, Conversion, Acronyms, Derivation, Prefixes and suffixes, Infixes.

Syntax & Semantics
Generative grammar, Syntactic structures, Deep and surface structure, Structural ambiguity, Recursion, Symbols used in syntactic description, Tree diagrams, Phrase structure rules, Lexical rules, Back to recursion, Complement phrases, Transformational rules,
Conceptual and associative meaning, Semantic features, Semantic roles, Agent and theme, Instrument and experiencer, Location, source and goal, Lexical relations, Synonymy, Antonymy, Hyponymy, Prototypes, Homophones and homonyms, Polysemy, Word play, Metonymy, Collocation.

Branches of Linguistics
Ecolinguistics, Sociolinguistics, Developmental linguistics, Neurolinguistics, Applied linguistics, Semiotics, Language documentation, Translation, Clinical linguistics, Computational linguistics, Evolutionary linguistics, Forensic linguistics.

C. Text Books:

1. George Yule, The Study of Language, CUP, 7th Edition, 2020.
2. David Crystal, A Dictionary of Linguistics and Phonetics, Wiley Publication, 6th Edition, 2008.

D. Reference Books:

1. Peter Ladefoged, A Course in Phonetics, Cengage, 7th edition, 2015.
2. Mark Aronoff & Kirsten Fudeman, What is Morphology? Wiley Publication, 2nd edition, 2010.
3. June Casagrande, The Joy of Syntax, Penguin, 2018.
4. John Lyons, Linguistic Semantics, CUP, 2012.

E. Programme Outcomes:
- Learning basic structures of languages.
- Ability to analyze languages phonetically, morphologically, syntactically and semantically.
- Nurture of critical thinking to apply linguistics theories in various interdisciplinary domains.

*Module Name: **Financial Management***
*Module Code: **PHD103***
*Semester: **PhD***
*Credit: **3[L=3, T =0, P=0]***

A. Objectives:
The course is designed to meet the following objectives:
1. To learn concept, definition and application of financial management.

B. Course Content:

Introduction financial management
Meaning, Scope of Finance, Objective of Financial management, Financial Decisions in Firm, Functions of Financial Management, Changing role of Financial Management

Capital budgeting
Meaning of Capital Budgeting, Significance, Capital Budgeting process, Project, Classification and Investment Criteria, Techniques of capital budgeting, TVM-Time value of Money. Capital Structure and Leverages: Meaning of Capital Structure, Optimum Capital Structure, Factors determining capital Structure, Theories of capital structure. Leverages, Operating Leverage, Financial Leverage and Combined Leverage,

Cost of Capital
Meaning, Computation of Cost of Capital of Equity, Preference, Debentures, Retained earnings, Public Deposits, Weighted Average Cost of Capital. Cost of Capital: Meaning, Computation of Cost of Capital of Equity, Preference, Debentures, Retained earnings, Public Deposits, Weighted Average Cost of Capital, Dividend Decisions: Meaning, Types of Dividend policies, Factors influencing dividend policy, Forms of Dividends, Dividend theories.

Working Capital Management
Meaning, Introduction, concepts of working capital, Factors Influencing working capital Requirements, Importance of adequacy of working capital, Components of working capital, Cash Management, Receivables Management and Inventory Management (Meaning and Importance Only), Simple Problems on working capital cycle and estimation on working capital.

C. Text Books:

1. *MY Khan and PK Jain. Financial Management & Practice Tata McGraw Hill,2017*
2. *Rajiv &Misra, Financial Management Oxford publication 2018*

D. Reference Books:
1. *I.M.Pandey, Financial Management, Tata McGraw Hill 2017*
2. *Chandra, Financial Management & Practice.Prasanna Tata McGraw Hill 2012*

E. Programme Outcomes:
1. Awareness of financial management
2. Enable to prepare capital budget and self learning by self practice.