



Course Title: Introduction to Supply Chain Management

Course Description:

This course provides an overview of the principles and practices of supply chain management (SCM). It covers the key components of SCM, including procurement, production, distribution, and logistics. Students will learn about the role of SCM in enhancing organizational efficiency, competitiveness, and customer satisfaction.

Course Objectives:

1. Understand the concept and importance of supply chain management.
2. Identify the key components and processes of supply chain management.
3. Analyze supply chain strategies and their impact on business performance.
4. Explore the role of technology in modern supply chain management.
5. Examine the challenges and trends in supply chain management.

Week 1: Introduction to Supply Chain Management

- Definition and importance of supply chain management
- Evolution of supply chain management
- Supply chain management vs. logistics

Week 2: Supply Chain Strategy

- Strategic importance of supply chain management
- Supply chain integration and coordination
- Aligning supply chain strategy with business goals

Week 3: Procurement and Strategic Sourcing

- Procurement process and its objectives
- Strategic sourcing and supplier selection
- Supplier relationship management

Week 4: Operations and Production Management

- Production planning and scheduling
- Lean manufacturing principles
- Total quality management in supply chain



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

Week 5: Inventory Management

- Inventory control techniques
- Inventory optimization models
- Inventory costing methods

Week 6: Distribution and Logistics

- Distribution network design
- Transportation modes and selection
- Warehousing and materials handling

Week 7: Information Technology in Supply Chain Management

- Role of technology in SCM
- Supply chain software and tools
- Internet of Things (IoT) and blockchain in SCM

Week 8: Sustainability and Ethics in Supply Chain

- Sustainable supply chain practices
- Ethical issues in supply chain management
- Corporate social responsibility (CSR) in SCM

Week 9: Global Supply Chain Management

- Globalization and its impact on supply chains
- Managing global suppliers and risks
- Cultural considerations in global SCM

Week 10: Current Trends and Future of Supply Chain Management

- Emerging trends in SCM
- Digital transformation in supply chain
- Future challenges and opportunities

Assessment:

- Midterm Exam (30%)
- Group Project (30%)
- Class Participation (10%)
- Final Exam (30%)



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

Textbook:

"Introduction to Operations and Supply Chain Management" by Cecil B. Bozarth and Robert B. Handfield (or any relevant textbook)

Additional Resources:

- Articles from academic journals
- Case studies and real-world examples
- Online tutorials and videos



Signature: _____

I/c Principal

Dr. Vedprakash Patil College, Hatta
Tq. Basmath Dist. Hingoli



Course Title: Basics of Statistical Analysis and Probability

Course Description:

This course introduces fundamental concepts in statistical analysis and probability theory. Students will learn about basic probability models, descriptive statistics, inferential statistics, and methods for analyzing and interpreting data. Emphasis will be placed on practical applications and problem-solving techniques.

Course Objectives:

1. To understand the fundamental principles of probability theory.
2. To learn basic descriptive statistics and graphical representations of data.
3. To explore various probability distributions and their properties.
4. To understand sampling distributions and the central limit theorem.
5. To learn basic inferential statistical techniques, including estimation and hypothesis testing.
6. To develop skills in data analysis using statistical software.

Course Outline:

Week 1: Introduction to Probability

- Basic concepts of probability
- Sample spaces, events, and probability axioms
- Counting techniques: permutations and combinations

Week 2: Probability Distributions

- Discrete probability distributions: Binomial and Poisson distributions
- Continuous probability distributions: Uniform, normal, and exponential distributions
- Properties and applications of common probability distributions

Week 3: Descriptive Statistics

- Measures of central tendency: mean, median, mode
- Measures of dispersion: range, variance, standard deviation
- Graphical representations of data: histograms, box plots, scatter plots

Week 4: Sampling and Sampling Distributions

- Simple random sampling and sampling methods



- Sampling distributions: sampling distribution of the mean
- Central limit theorem and its implications

Week 5: Estimation

- Point estimation: methods of estimation
- Interval estimation: confidence intervals for population parameters
- Properties of estimators: bias, efficiency, consistency

Week 6: Hypothesis Testing

- Basic concepts of hypothesis testing
- One-sample and two-sample hypothesis tests
- Type I and Type II errors, significance levels, and power of tests

Week 7: Correlation and Regression Analysis

- Correlation analysis: Pearson correlation coefficient
- Simple linear regression: fitting a regression line, interpretation of results
- Assumptions and limitations of regression analysis

Week 8: Introduction to Statistical Software

- Introduction to statistical software packages (e.g., R, Python, SPSS)
- Basic data manipulation and visualization techniques using software

Assessment:

- Weekly quizzes or assignments to assess understanding of concepts
- Midterm exam covering material from Weeks 1-4
- Final project involving data analysis and interpretation using statistical software
- Participation in class discussions and activities

Textbook:

"Statistics: Concepts and Controversies" by David S. Moore and William I. Notz



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

References:

- "Introduction to Probability and Statistics" by William Mendenhall, Robert J. Beaver, and Barbara M. Beaver
- "Probability and Statistics for Engineering and the Sciences" by Jay L. Devore



Signature: _____

Uc Principal

Dr. Vedprakash Patil College, Hatta
Tq. Basmath Dist. Hingoli



Course Title: Introduction to Human Resource Management

Course Description:

This course provides an overview of the fundamental concepts and practices in human resource management (HRM). It covers topics such as recruitment, selection, training, performance management, compensation, employee relations, and legal issues.

Course Objectives:

1. Understand the role and importance of HRM in organizations.
2. Gain knowledge of key HRM functions and processes.
3. Explore strategies for effective recruitment and selection of employees.
4. Learn methods for employee training and development.
5. Understand performance management and appraisal techniques.
6. Examine compensation and benefits systems.
7. Explore employee relations and conflict resolution.
8. Understand legal and ethical issues in HRM.

Week 1: Introduction to Human Resource Management

- Definition and scope of HRM
- Evolution of HRM
- Role of HRM in organizations

Week 2: Strategic HRM

- Strategic HR planning
- Aligning HRM with organizational goals
- HRM as a strategic partner

Week 3: Recruitment and Selection

- Job analysis and job design
- Recruitment methods and sources
- Selection techniques and processes

Week 4: Training and Development

- Training needs assessment
- Training methods and techniques



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

- Employee development programs

Week 5: Performance Management

- Performance appraisal process
- Performance feedback and coaching
- Managing performance issues

Week 6: Compensation and Benefits

- Types of compensation
- Pay structures and systems
- Employee benefits and perks

Week 7: Employee Relations

- Employee engagement
- Workplace communication
- Managing conflicts and grievances

Week 8: Legal and Ethical Issues in HRM

- Employment laws and regulations
- Equal employment opportunity
- Ethical considerations in HRM

Week 9: Emerging Trends in HRM

- HRM in the digital age
- Remote work and virtual teams
- Diversity and inclusion initiatives

Week 10: Case Studies and Applications

- Analysis of real-world HRM issues and challenges
- Application of HRM concepts to practical scenarios
- Group discussions and presentations

Assessment:

- Quizzes or exams covering each module
- Assignments (individual or group) on case studies or real-world HRM scenarios



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

- Participation in class discussions and activities

Textbook:

- "Human Resource Management: Gaining a Competitive Advantage" by Raymond A. Noe, John R. Hollenbeck, Barry Gerhart, and Patrick M. Wright (or any other relevant textbook)



Signature: _____

I/c Principal

Dr. Vedprakash Patil College, Hatta
Tq. Basmath Dist. Hingoli



Course Title: Introduction to Philosophy and Ethics

Course Description:

This course introduces students to fundamental concepts, theories, and methods in philosophy and ethics. Through readings, discussions, and critical analysis, students will explore various philosophical questions and ethical dilemmas, developing their analytical and critical thinking skills.

Course Objectives:

1. Understand the nature and scope of philosophy and ethics.
2. Analyze and evaluate philosophical arguments and ethical theories.
3. Apply philosophical and ethical concepts to real-world issues.
4. Develop skills in critical thinking, reasoning, and argumentation.

Week 1: Introduction to Philosophy

- Overview of Philosophy: Definition, branches, and historical development.
- Methods of Philosophy: Rationalism, empiricism, and the role of logic.
- Philosophical Inquiry: Asking questions, forming arguments, and seeking truth.

Week 2: Metaphysics and Epistemology

- Metaphysics: Nature of reality, existence, free will, determinism.
- Epistemology: Theories of knowledge, skepticism, rationalism vs. empiricism.

Week 3: Ethics: Introduction

- Definition and scope of ethics.
- Ethical theories: Consequentialism, deontology, virtue ethics.
- Moral reasoning and moral dilemmas.

Week 4: Ethical Theories

- Utilitarianism: Principle of utility, act vs. rule utilitarianism.
- Kantian Ethics: Categorical imperative, duty, autonomy.
- Virtue Ethics: Aristotle's virtue ethics, character development.

Week 5: Applied Ethics

- Bioethics: Ethical issues in medicine, euthanasia, cloning, genetic engineering.



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

- Environmental Ethics: Ethics of sustainability, animal rights, anthropocentrism vs. biocentrism.
- Business Ethics: Corporate social responsibility, ethical decision-making in business.

Week 6: Political Philosophy

- Theories of justice: Rawls' theory of justice, libertarianism, communitarianism.
- Political obligation and authority.
- Democracy and its critiques.

Week 7: Philosophy of Religion

- Existence of God: Arguments for and against the existence of God.
- Problem of evil.
- Faith and reason.

Week 8: Philosophy of Mind

- Mind-body problem: Dualism, materialism, functionalism.
- Consciousness and qualia.
- Artificial intelligence and personhood.

Week 9: Aesthetics

- Nature of beauty and art.
- Theories of aesthetics: Formalism, expressionism, mimetic theory.
- Artistic interpretation and criticism.

Week 10: Final Project and Review

- Students will work on a final project applying philosophical concepts and ethical theories to a contemporary issue or problem.
- Review of key concepts and theories covered in the course.

Assessment:

- Class participation and engagement: 20%
- Weekly assignments and quizzes: 30%
- Midterm exam: 20%
- Final project: 30%

Textbook:



Shri Dhaneshwari Manav Vikas Mandal's

Dr. Vedprakash Patil Art's, Commerce & Science Mahavidyalaya,

Hatta (Zero Phata), Tq. Basmath, Dist. Hingoli - 431705

(Affiliated to S.R.T.M.U., Nanded)

College Code : 535

E-mail ID : dvkpseniorcollege@gmail.com

Contact No.: 9970926193

- "Philosophy: The Quest for Truth" by Louis P. Pojman and Lewis Vaughn (or another introductory philosophy text)
- Additional readings will be assigned from various philosophical texts and articles.



Signature: _____

I/c Principal

Dr. Vedprakash Patil College, Hatta
Tq. Basmath Dist. Hingoli