CYBER SECURITY AND DIGITAL FORENSICS

Course Code: IT 803

Credit Units: 03
Total Hours: 30

Course Objective:
To provide an understanding Computer forensics fundamental. To analyze various computer forensics technologies. To provide computer forensics systems. To identify methods for data recovery. To apply the methods for preservation of digital evidence.

Module I: Introduction: (6 Hours)
Introduction, Classifications of Cybercrimes: E - Mail Spoofing, Spamming, Cyber defamation, Industrial Spying/Industrial Espionage, Hacking, Software Piracy, Password Sniffing, Credit Card Frauds, Cyber stalking, Botnets , Phishing, Pharming, Man - in - the - Middle attack, Password Cracking, Key loggers and Spywares, Virus and Worms, Trojan Horses and Backdoors, DoS and DDoS Attacks , SQL Injection, Buffer Overflow,

Module II: Divide and Conquer: (6 Hours)
Introduction to Cyber Security, Cyber Security Goals, Cyber Security policy, Domain of Cyber Security Policy, Elements, Cyber Security Evolution, Implementing Hardware Based Security, Software Based Firewalls, Security Standards, Assessing Threat Levels, Forming an Incident Response Team,

Module III: Digital Forensics Fundamentals: (6 Hours)
Introduction to Digital Forensics, Use of Digital Forensics in Law Enforcement, Digital Forensics Assistance to Human Resources/Employment Proceedings, Digital Forensics Services, Benefits of Professional Forensics Methodology.

Module IV: Types of Computer Forensics Technology: (6 Hours)
Types of Military Computer Forensic Technology, Types of Law Enforcement: Computer Forensic Technology, Types of Business Computer Forensic Technology, Specialized Forensics Techniques, Hidden Data and How to Find It, Spyware and Adware. Protecting Data from Being Compromised, Avoiding Pitfalls with Firewalls,

Module V: Cyber Law and Cyber Crime: (6 Hours)
Introduction to IT laws & Cyber Crimes, Cyber Laws, IPR, Legal System of Information Technology, Social Engineering. Reporting Cybercrime, Difference between cyber forensics and cyber security.

Examination Scheme:

Components	A	CT	S/V/Q/HA	EE
Weightage (%)	5	15	10	70

CT: Class Test, HA: Home Assignment, S/V/Q: Seminar/Viva/Quiz, EE: End Semester Examination; A: Attendance

Course Outcomes:
- Understand the definition of Digital forensics fundamentals.
- Describe the types of digital forensics technology.
- Analyze various digital forensics systems.
- Illustrate the methods for data recovery, evidence collection and data seizure.
- Summarize duplication and preservation of digital evidence.

Text & References:

Texts:
- Nina Godbole and Sunit Belpure , Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives , Wiley
- Jennifer L. Bayuk, J. Healey, P. Rohmeyer, Marcus Sachs, Jeffrey Schmidt, Joseph Weiss Cyber Security Policy Guidebook , John Wiley & Sons 2012.
- Vivek sood, Cyber law simplified, Tata Mc GrawHill, E ducation (India). Eoghan Casey , Handbook of digital forensic and investigation.

References:
- Clint P Garrison, Digital forensic for network, internet and cloud computing.
- Panagiotis Kandlis, Digital crime and forensic science in cyberspace, information society S.A Greece IDEA Group Publishing.
- John R. Vacca, Computer Forensics: Computer Crime Scene Investigation, 2nd Edition, Charles,River Media, 2005 ISBN: 1584503890 , 9781584503897

ENVIRONMENTAL STUDIES-I

Course Code: EVS – 142   **Credit Units: 02**
                                                             Total Hours: 20

Course Objectives

The term environment is used to describe, in the aggregate, all the external forces, influences and conditions, which affect the life, nature, behavior and the growth, development and maturity of living organisms. At present a great number of environmental issues, have grown and complexity day by day, threatening the survival of mankind on earth. Environment study is quite essential in all streams of studies including environmental engineering and industrial management. The objective of environmental studies is to enlighten the masses about the importance of the protection and conservation of our environment and control of human activities which has an adverse effect on the environment.

Course Contents:

Module I: The multidisciplinary nature of environmental studies (6 Hrs)

Definition, scope and
importance Need for public
awareness

Module II: Natural Resources (8 Hrs)

Renewable and non-renewable resources:
Natural resources and associated problems

Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.

Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, case studies.

Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
Role of an individual in conservation of natural resources.
Equitable use of resources for sustainable lifestyles.

Module III: Ecosystems (3 Hrs)

Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession
Food chains, food webs and ecological pyramids
Introduction, types, characteristic features, structure and function of the following ecosystem:
   a. Forest ecosystem
   b. Grassland ecosystem
   c. Desert ecosystem
   d. Aquatic ecosystems (ponds, streams, lakes, rivers, ocean estuaries)

Module IV: Biodiversity and its conservation (3 Hrs)

Introduction – Definition: genetic, species and ecosystem diversity Biogeographical classification of India
Value of biodiversity: consumptive use,

productive use, social, ethical aesthetic and option values Biodiversity at global, national and local levels

India as a mega-diversity nation, Hot-spots of biodiversity

Threats to biodiversity: habitat loss, poaching of wildlife, man wildlife conflicts, Endangered and endemic species of India

Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity

Course Outcome

Upon course completion, students will be able to understand:

- The multidisciplinary nature of environmental studies, including its definition, scope and need for public awareness.
- Our natural resources including renewable and non-renewable resources comprising of forest, water, mineral, food, energy and land resources.
- The ecosystem, their structure and function, energy flow, bio-geochemical cycles, community ecology, ecological succession, ecological pyramids, forest, grassland, aquatic and tundra ecosystem.
- Biodiversity and its conservation.
- Ecosystem diversity, species diversity and genetic diversity.
- Biological classification of India.
- Value of biodiversity.
- Biodiversity at global national and local level.
- Conservation of biodiversity.
- Characteristic of ideal ecosystem.
- Study of an artificial ecosystem.

Examination Scheme:

Components	CT	HA	S/V/Q	A	ESE
Weightage (%)	15	5	5	5	70

Text & References:

- Chauhan B. S. 2009: Environmental Studies, University Science Press New Delhi.
- Dhameja S.K., 2010; Environmental Studies, Katson Publisher, New Delhi.
- Smriti Srivastava, 2011: Energy Environment Ecology and Society, Katson Publisher, New Delhi.
- Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
- Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380 013, India, Email:mapin@icenet.net (R)
- Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)
- Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopaedia, Jaico Publ. House, Mumbai, 1196p
- De A.K., Environmental Chemistry, Wiley Eastern Ltd. Down to Earth, Centre for Science and Environment (R)

- Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute Oxford Univ. Press. 473p

- Hawkins R.E., Encyclopaedia of Indian Natural History, Bombay Natural History Society, Bombay (R) Heywood, V.H & Waston, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.

- Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284

- p. McKinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.

- Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB) Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)

- Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p

- Rao M N. & Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut

- Survey of the Environment, The Hindu (M)
- Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science

- Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)

- Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB) Wanger K.D., 1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p

ENVIRONMENTAL STUDIES-II

Course Code: EVS– 242   **Credit Units: 02**
                                                             Total Hours: 20

Course Objectives

☐ To understand various types of environmental pollution.
☐ To educate masses, in general and students, about the issues related to degradation of environment and social issues related to environment.
☐ To understand sustainable development.
☐ To understand environmental assets, local flora and fauna through field surveys.

Course Contents:

Module I: Environmental Pollution (7 Hrs)

Definition, causes, effects and control measures of:Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear pollution. Solid waste management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.

Module II: Social Issues and the Environment (7 Hrs)

From unsustainable to sustainable development, Urban problems and related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns Case studies.Environmental ethics: Issues and possible solutions

Climate change, Global warming, Acid rain, Ozone layer depletion, Nuclear Accidents and Holocaust case studies. Fireworks/Crackers – Introduction, ill effects on environment and humans.

Wasteland reclamation, Consumerism and waste products, Environmental Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act. issues involved in enforcement of environmental legislation Public awareness

Module III: Human Population and the Environment (4 Hrs)

Population growth, variation among nations. Population explosion – Family Welfare Programmes

Environment and human health. Human Rights. Value Education. HIV / AIDS. Women and Child Welfare. Role of Information Technology in Environment and Human Health.

Case Studies

Module IV: Field Work (2 Hrs)

Visit to a local area to document environmental assets-river / forest/ grassland/ hill/ mountain. Visit to a local polluted site – Urban / Rural / Industrial / Agricultural. Study of common plants, insects, birds. Study of simple ecosystems-pond, river, hill slopes, etc.

<u>**Course Outcome**</u>

Upon course completion, students will be able to:
- Explain various types of environmental pollutions.
- Understand role of individual in abatement of environmental pollution.
- Explain methods to mitigate disasters.
- Learn various environmental protection laws.
- Learn role of IT in environment and human health.

Examination Scheme:

Components	CT	HA	S/V/Q	A	ESE
Weightage (%)	15	5	5	5	70

Text & References:

- Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
- Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad 380 013, India,Email:mapin@icenet.net (R)
- Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p Clark R.S., Marine Pollution,Clanderson Press Oxford (TB)
- Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopaedia,Jaico Publ. House, Mumbai, 1196p
- De A.K., Environmental Chemistry, Wiley Eastern Ltd. Down to Earth, Centre for Science and Environment (R)
- Gleick, H.P. 1993. Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security.Stockholm Env. Institute Oxford Univ. Press. 473p
- Hawkins R.E., Encyclopaedia of Indian Natural History, Bombay Natural History Society, Bombay (R)Heywood, V.H & Watson, R.T. 1995. Global Biodiversity Assessment. Cambridge Univ. Press 1140p.
- Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284
- p. McKinney, M.L. & School, R.M. 1996. Environmental Science Systems & Solutions, Web enhanced edition. 639p.
- Mhaskar A.K., Matter Hazardous, Techno-Science Publication (TB) Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
- Odum, E.P. 1971. Fundamentals of Ecology. W.B. Saunders Co. USA, 574p
- Rao M N. & Datta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p. Sharma B.K., 2001. Environmental Chemistry. Geol Publ. House, Meerut
- Survey of the Environment, The Hindu (M)
- Townsend C., Harper J, and Michael Begon, Essentials of Ecology, Blackwell Science
- Trivedi R.K., Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)
- Trivedi R. K. and P.K. Goel, Introduction to air pollution, Techno-Science Publication (TB) Wanger K.D.,1998 Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p

Behavioural Science - I

Course Code: BSU-143   **Course Credit: 01**

Course Objective:

This course aims at imparting an understanding of:
- Understanding self & process of self exploration
- Learning strategies for development of a healthy self esteem
- Importance of attitudes and its effective on personality
- Building Emotional Competency

Course Contents:

Module I: Self: Core Competency   (2 Hours)
- Understanding of Self
- Components of Self – Self identity
- Self concept
- Self confidence
- Self image

Module II: Techniques of Self Awareness   (2 Hours)
- Exploration through Johari Window
- Mapping the key characteristics of self
- Framing a charter for self
- Stages – self awareness, self acceptance and self realization

Module III: Self Esteem & Effectiveness   (2 Hours)
- Meaning
- Importance
- Components of self esteem
- High and low self esteem
- Measuring your self esteem

Module IV: Building Positive Attitude   (2 Hours)
- Meaning and nature of attitude
- Components and Types of attitude
- Importance and relevance of attitude

Module V: Building Emotional Competence   (2 Hours)
- Emotional Intelligence – Meaning, components, Importance and Relevance
- Positive and negative emotions
- Healthy and Unhealthy expression of emotions

Student learning outcomes
- Student will Develop accurate sense of self
- Student will nurture a deep understanding of personal motivation
- Student will develop thorough understanding of personal and professional responsibility
- Student will able to analyse the emotions of others for better adjustment.

Examination Scheme:

Evaluation Components	Attendance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	5	10	15	70	100

Text & References:

- Organizational Behaviour, Davis, K.
- Hoover, Judhith D. Effective Small Group and Team Communication, 2002,Harcourt College Publishers
- Dick, Mc Cann & Margerison, Charles: Team Management, 1992 Edition, viva books
- Bates, A. P. and Julian, J.: Sociology - Understanding Social Behaviour
- Dressler, David and Cans, Donald: The Study of Human Interaction
- Lapiere, Richard. T – Social Change
- Lindzey, G. and Borgatta, E: Sociometric Measurement

in the Handbook of Social Psychology, Addison – Welsley,
US.

- Rose, G.: Oxford Textbook of Public Health, Vol.4, 1985.
- LaFasto and Larson: When Teams Work Best, 2001, Response Books (Sage), New Delhi
- J William Pfeiffer (ed.) Theories and Models in Applied

Behavioural Science, Vol 2, Group (1996); Pfeiffer & Company

- Smither Robert D.; The Psychology of Work and Human Performance, 1994, Harper Collins College Publishers

Behavioral Science - II

Course Code: BSU-243   **Course Credit: 01**
                                             Total Hours: 10

Course Objective:
This course aims at enabling students towards:
- ☐ Understand the importance of individual differences
- ☐ Better understanding of self in relation to society and nation
- ☐ Facilitation for a meaningful existence and adjustment in society
- ☐ Inculcating patriotism and national pride   **(2 Hours)**

Course Contents:

Module I: Individual differences & Personality
- ☐ Personality: Definition& Relevance
- ☐ Importance of nature & nurture in Personality Development
- ☐ Importance and Recognition of Individual differences in Personality
- ☐ Accepting and Managing Individual differences   **(2 Hours)**
- ☐ Intuition, Judgment, Perception & Sensation (MBTI)
- ☐ BIG5 Factors

Module II: Managing Diversity   **(2 Hours)**
- ☐ Defining Diversity
- ☐ Affirmation Action and Managing Diversity
- ☐ Increasing Diversity in Work Force
- ☐ Barriers and Challenges in Managing Diversity

Module III: Socialization
- ☐ Nature of Socialization
- ☐ Social Interaction
- ☐ Interaction of Socialization Process
- ☐ Contributions to Society and Nation

Module IV: Patriotism and National Pride (2 Hours)
- ☐ Sense of pride and patriotism
- ☐ Importance of discipline and hard work
- ☐ Integrity and accountability

Module V: Human Rights, Values and Ethics (2 Hours)
- ☐ Meaning and Importance of human rights
- ☐ Human rights awareness
- ☐ Values and Ethics- Learning based on project work on Scriptures like- Ramayana, Mahabharata, Gita etc.

Student learning outcomes

▪Student will be able to identify, understand, and apply contemporary theories of leadership to a wide range of situations and interactions

▪Student will be able to understand and respect individual difference, so to enhance the relationship ☐Learn social responsibility and develop a sense of citizenship

▪Student will be able to identify and understand the impact of culture on one's leadership style

Examination Scheme:

Evaluation Components	Atten dance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	5	10	15	70	100

Suggested Readings:
- ☐ Davis, K. Organizational Behaviour,
- ☐ Bates, A. P. and Julian, J.: Sociology - Understanding SocialBehaviour
- ☐ Dressler, David and Cans, Donald: The Study of Human Interaction
.☐Lapiere, Richard. T – Social Change
- ☐ Lindzey, G. and Borgatta, E: Sociometric Measurement in the Handbook of Social Psychology, Addison – Welsley, US.
- ☐ Rose, G.: Oxford Textbook of Public

Health, Vol.4, 1985. Robbins O.B.Stephen;.
Organizational Behaviou

Behavioural Science – III

Course Code: BSU-343   **Course Credit: 01**

Course Objective:
To enable the students:
- Understand the process of problem solving and creative thinking.
- Facilitation and enhancement of skills required for decision-making.

Course Contents:

Module I: Thinking as a tool for Problem Solving (2 Hours)
- What is thinking: The Mind/Brain/Behavior
- Critical Thinking and Learning:
- Making Predictions and Reasoning
- Memory and Critical Thinking
- Emotions and Critical Thinking
- Thinking skills

Module II: Hindrances to Problem Solving Process (2 Hours)
- Perception
- Expression
- Emotion
- Intellect
- Work environment

Module III: Problem Solving (2 Hours)
- Recognizing and Defining a problem
- Analyzing the problem (potential causes)
- Developing possible alternatives
- Evaluating Solutions
- Resolution of problem
- Implementation
- Barriers to problem solving:
- Perception
- Expression
- Emotion
- Intellect
- Work environment

Module IV: Plan of Action (2 Hour)
- Construction of POA
- Monitoring
- Reviewing and analyzing the outcome

Module V: Creative Thinking (2 Hours)
- Definition and meaning of creativity
- The nature of creative thinking
- Convergent and Divergent thinking
- Idea generation and evaluation (Brain Storming)
- Image generation and evaluation
- Debating
- The six-phase model of Creative Thinking: ICEDIP model

Student learning outcomes

- Student will be able to understand and solve the problems effectively in their personal and professional life.
- Students will outline multiple divergent solutions to a problem,
- Student will able to create and explore risky or controversial ideas, and synthesize ideas/expertise to generate innovations.

Examination Scheme:

Evaluation Components	Attendance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	5	10	15	70	100

Suggested Readings:

☐   Michael Steven: How to be a better problem solver, Kogan Page, New Delhi, 1999 ☐Geoff Petty: How to be better at creativity; Kogan Page, New Delhi, 1999

☐   Richard Y. Chang and P. Keith, Kelly: Wheeler Publishing, New Delhi, 1998. ☐Phil Lowe Koge Page: Creativity and Problem Solving, New Delhi, 1996

☐   J William Pfeiffer (ed.) Theories and Models in Applied Behavioural Science, Vol 3, Management (1996); Pfeiffer & Company

☐   Bensley, Alan D.: Critical Thinking in Psychology – A Unified Skills Approach, (1998), Brooks/Cole Publishing Company.

Course Code: BSU-443   **Course Credit: 01**
Total Hours: 10

Course Objective:
This course aims at imparting an understanding of Values, Ethics & Morality among students for making abalanced choice between personal & professional development.

Course Contents:

Module I: Introduction to Values & Ethics   **(2 Hours)**
Meaning & its type
Relationship between
Valuesand Ethics Its
implication in one's life

Module II: Values Clarification & Acceptance   **(2Hours)**
Core Values-Respect, Responsibility, Integrity,
Resilience, Care, &Harmony Its process-Self
Exploration
Nurturing Good values

Module III: Morality   **(2 Hours)**
Difference between morality,
ethics &values Significance of
moral values

Module IV: Ethical Practice   **(2 Hours)**
Ethical Decision
makingChallenges
in its
implementation
Prevention of
Corruption&Crime

Module V: Personal & Professional Values   **(2 Hours)**
Personal values-Empathy, honesty,
courage, commitment Professional
Values-Work ethics,respect for others
Its role in personality development Character building- New-self awarness

Student learning outcomes

☐   Able to answer the question: What do I stand for?

☐   Ability to apply a coherent set of moral principles within
professional andspecialized contexts

☐   Willing to make unpopular but right decision

☐   Committed to working for justice and peace locally and globally.

Examination Scheme:

Evaluation Components	Attendance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	**5**	**10**	**15**	**70**	**100**

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Text & References:

Cassuto Rothman, J. (1998). From the Front Lines, Student Cases in Social Work Ethics. NeedhamHeights, MA: Allyn and Bacon.

Gambrill, E. & Pruger, R. (Eds). (1996). Controversial Issues in Social Work Ethics, Values, &Obligations. Needham Heights, MA: Allyn and Bacon, Inc.

BEHAVIOURAL SCIENCE-V

Course Code: BSU-543　　　　　　　　　　**Course Credit: 01**
　　　　　　　　　　　　　　　　　　　　　　Total Hours: 10

Course Objective:
☐　To inculcate in the students an elementary level of understanding of group/team functions
☐　To develop team spirit and to know the importance of working in teams

Course Contents:

Module I: Group formation (2 Hours)
- Definition and Characteristics
- Importance of groups
- Classification of groups
- Stages of group formation
- Benefits of group formation

Module II: Group Functions (2 Hours)
- External Conditions affecting group functioning: Authority, Structure, Org. Resources, Organizational policies etc.
- Internal conditions affecting group functioning: Roles, Norms, Conformity, Status, Cohesiveness, Size, Intergroup conflict.
- Group Cohesiveness and Group Conflict
- Adjustment in Groups

Module III: Teams (2 Hours)
☐　Meaning and nature of teams
☐　External and internal factors effecting team
☐　Building Effective Teams
☐　Consensus Building
☐　Collaboration

Module IV: Leadership (2 Hours)
☐　Meaning, Nature and Functions
☐　Self leadership
☐　Leadership styles in organization
☐　Leadership in Teams

Module V: Power to empower: Individual and Teams (2 Hours)
☐　Meaning and Nature
☐　Types of power
☐　Relevance in organization and Society

Student learning outcomes
- Students will Develop critical and reflective thinking abilities
- Students will Demonstrate an understanding of group dynamics and effective teamwork
- Student will develop a range of leadership skills and abilities such as effectively leading change, resolving conflict, and motivating others
- Student will Gain knowledge and understanding of organization resources, policies, and involvement opportunities.
- Student will Develop strategies to recruit, retain, and continually motivate contributing members to the organization

Evaluation Components	Attendance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	5	10	15	70	100

Suggested Readings:

☐ Organizational Behaviour, Davis, K.

☐ Hoover, Judhith D. Effective Small Group and Team Communication, 2002, Harcourt College Publishers

☐ Dick, Mc Cann & Margerison, Charles: Team Management, 1992 Edition, viva books

☐ Bates, A. P. and Julian, J.: Sociology - Understanding Social Behaviour

☐ Dressers, David and Cans, Donald: The Study of Human Interaction

☐ Lapiere, Richard. T – Social Change

☐ Lindzey, G. and Borgatta, E: Sociometric Measurement in the

Handbook of Social Psychology, Addison – Welsley, US.

☐ Rose, G.: Oxford Textbook of Public Health, Vol.4, 1985.

☐ LaFasto and Larson: When Teams Work Best, 2001, Response Books (Sage), New Delhi

☐ J William Pfeiffer (ed.) Theories and Models in Applied

Behavioural Science, Vol 2, Group (1996); Pfeiffer & Company

☐ Smither Robert D.; The Psychology of Work and Human Performance, 1994, Harper Collins College Publishers

BEHAVIOURAL SCIENCE -VI

Course Code: BSU-643   **Course Credit: 01**

Total Hours: 10

Course Objective:

☐ To develop an understanding the concept of stress its causes, symptoms and consequences.

☐ To develop an understanding the consequences of the stress on one's wellness, health, and work performance.

Course Contents:

Module I: Stress   **(2 Hours)**

☐ Meaning & Nature

☐ Characteristics

☐ Types of stress

Module II: Stages and Models of Stress   **(2 Hours)**

☐ Stages of stress

☐ The physiology of stress

☐ Stimulus-oriented approach.

☐ Response-oriented approach.

☐ The transactional and interact ional model.

☐ Pressure – environment fit model of stress.

Module III: Causes and symptoms of stress   **(2Hours)**

☐ Personal

☐ Organizational

☐ Environmental

Module IV: Consequences of stress   **(2 Hours)**

☐ Effect on behavior and personality

☐ Effect of stress on performance

☐ Individual and Organizational consequences with special focus on health

**Module V: Strategies for stress management**   **(2 Hours)**

☐ Importance of stress management

☐ Healthy and Unhealthy strategies

☐ Peer group and social support

☐ Happiness and well-being.

Student learning outcomes

☐ Student will able demonstrate thorough understanding of stress and its effects

☐ Student will able to learn various coping strategies to deal stress effectively so to overcome the consequences and impact of stress on their health and wellbeing, ultimately it will enhance theirperformance.

Examination Scheme:

Evaluation Components	Attendance	Journal of Success (JOS)	Social Awareness Program (SAP) SAP Report/SAP Presentation	End Semester Exam	Total
Weightage (%)	5	10	15	70	100
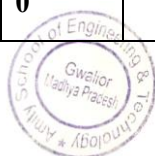
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Suggested Readings:

- ☐   Blonna, Richard; Coping with Stress in a Changing World: Second edition
- ☐   Pestonjee, D.M, Pareek, Udai, Agarwal Rita; Studies in Stress And its Management
- ☐   Pestonjee, D.M.; Stress and Coping: The Indian Experience