

SNDT Women's University

Department of Family Resource Management

Name of Program: Master of Resource Management & Ergonomics

Program Outcomes		
<ol style="list-style-type: none"> 1. The primary goal of this program is to impart early knowledge on health & safety at workplace to prevent the future occupational and non-occupational risks. 2. Environment & Energy management studies will provide skills needed to protect & promote sustainability, improve environment and know-how of use & misuse of resources. 3. To develop competency skills in management & expand leadership qualities 4. Demonstrate the understanding of business opportunities for future ventures. 5. Demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems. 		
Program Specific Outcomes		
<ol style="list-style-type: none"> 1. The Master of Resource Management & Ergonomics Program will prepare students to achieve: 2. Ability to organize Ergonomics Awareness programs for employees, employers, school and college teachers, and other professionals 3. Knowledge and skills will help to determine the prevalence, predisposing factors, presenting features and outcome of treatment for RSI & MSD problems. 4. Develop products that solve common workplace problems by using ergonomic research methods and theoretical knowledge. 5. Have an ability to apply knowledge of the sciences of ergonomics, human factors, work environment and workplace ergonomics 6. Demonstrate an ability to work effectively with others & communicate effectively. 7. Ability to identify and explain issues facing start-ups and entrepreneurial businesses; emphasizing on financing, marketing and organization. 8. Application of consumer knowledge in buying practices & use of legal aids 9. Apply the knowledge of finance in wise investments opportunities & daily life. 		
Course Outcomes		
MSc-RESOURCE MANAGEMENT & ERGONOMICS – SEMESTER - I		
Course Code	Course Name	Course Outcomes
19101	Environmental Studies (Th)	<ol style="list-style-type: none"> 1. Develop new patterns of behavior among individuals, groups and society as a whole towards environment. 2. Prepare every person with opportunities to acquire the knowledge, values, attitude, commitment and skills needed to protect and improve environment 3. Examine the sources and effects of different types of pollutants in air, water, soil and noise pollution. 4. Understand the need to prevent pollution and conserve the environment biodiversity

		5. Appreciate and promote sustainability.
19102	Energy Management (Th)	<ol style="list-style-type: none"> 1. Understand the meaning of energy and energy conservation. 2. Use different methods of energy conservation. 3. Understand renewable and non-renewable energy sources and 4. Use renewable and non-renewable energy resources efficiently 5. Select right type of fuel resources for doing various activities. 6. Apply in day-to-day activities efficiently
19103	Ergonomics & Work Environment (Th)	<ol style="list-style-type: none"> 1. Understand the role of ergonomics and work environment in our daily life 2. Know the relationship between Man- Machine and Environment 3. Know the needs of special population and will be able to provide them with better facilities needed and to ensure safety and contribute to improve the quality of life 4. Describe the effects of different type of environment on human body 5. Understand the problems arising due to pollution and need to prevent pollution and conserve the environment
19104	Ergonomics & Work Environment (Pr)	<ol style="list-style-type: none"> 1. Understand the role of ergonomics and work environment in our daily life 2. Carry out the Investigation and analysis of Man- Machine and Environment 3. Learn compendium of methods and techniques available for assessment 4. Apply different methods of assessment in different work areas 5. Understand the needs of special population 6. Apply knowledge of anthropometry in designing for special population 7. Understand how people behave in various environment 8. Describe stress and its effects on human body 9. Practically assess the environmental factors like heat, light, noise and vibration. 10. Understand the problems arising due to pollution and how to test the pollutants in environment and how to conserve the environment 11. Write reports, presentation of data, gathering data, assess the impact of environment on humans 12. Know the lab. Assessment through field visits

19105	Human Resource Management (Th)	<ol style="list-style-type: none"> 1. Understand the nature and fundamentals of human resources. 2. Use different methods in managing human resources. 3. Select the hiring employees and deciding employee remuneration. 4. Proficient in motivating and maintaining employees. 5. Capable of developing industrial relations. 6. Understand various methods of training methods and its implementation
19191	Elective Environmental Studies (Pr)	<ol style="list-style-type: none"> 1. Understand different types of Natural Resources and Ecosystems 2. Examine the different means of monitoring, controlling the pollution 3. Develop strategies for Solid Waste Management and Land pollution 4. Prepare a research paper for presentation/ publication based on field data.
MSc-RESOURCE MANAGEMENT & ERGONOMICS – SEMESTER - II		
00201	Research Methodology (Theory)	<ol style="list-style-type: none"> 1. Develop a scientific approach and know the processes of research 2. Develop the competence for selecting methods and tools appropriate for research topics 3. Understand concepts of statistical measures of central tendency, dispersion, variability and probability
19201	Financial Management (Theory)	<ol style="list-style-type: none"> 1. Get conversant with the Financial System in India 2. Know the principles, mechanisms and concepts of investment 3. Formulate investment goals intelligently and make wise investment decisions 4. Develop competence to administer the financial planning process and financial controls 5. Apply the techniques for managing personal and family finance
19202	Consumer Behavior & Consumerism (Theory)	<ol style="list-style-type: none"> 1. Know the determinants of consumer behavior and the techniques of decision-making process for buying 2. Know the legal rights and responsibilities of consumers 3. Know the importance of consumer legislations and their limitations 4. Describe the impact of global trade in the Indian Consumer Market
19203	Work & Work Posture Analysis (Theory)	<ol style="list-style-type: none"> 1. Understand and apply knowledge of Physical performance in daily life.

		<ol style="list-style-type: none"> 2. Understand the Anatomy, Biomechanics and work physiology aspects of human body. 3. Know the impact of workstation design on human health. 4. Apply the knowledge of various human body system to physical performance.
19204	Work & Work Posture Analysis (Pr)	<ol style="list-style-type: none"> 1. To become aware of the role of Physical performance in daily life. 2. To gain knowledge about the Anatomy, Biomechanics and work physiology aspects of human body. 3. To understand right postures to be adopted while working & impact of incorrect posture on human health. 4. To understand the impact of workstation design on human health.
19291	Elective-II (Financial Management)	<ol style="list-style-type: none"> 1. Get conversant with the Indian Financial System and financial concepts 2. Know the principles, mechanisms and concepts of investment 3. Formulate investment goals intelligently and make wise investment decisions 4. Develop competence to administer the financial planning process and financial controls 5. Apply the techniques for managing personal and family finance
MSc-RESOURCE MANAGEMENT & ERGONOMICS – SEMESTER - III		
00301	Research & Statistical Applications (Th)	<ol style="list-style-type: none"> 1. Discriminate between parametric and non-parametric tests 2. Learn to apply statistical tests for data analysis for both large and small samples 3. Know how to interpret the results of statistical analysis of data 4. Be able to summarize data and present it using tables and graphs 5. Develop skills for preparation of research proposals 6. Understand the components of a research report
19302	Job Analysis & Optimization (Th)	<ol style="list-style-type: none"> 1. Develops skill in assessing job content, types of job and its impact on human performance 2. Analyze the job and observe that job demands do not exceed those capabilities. 3. Assess the impact of work on productivity and recommend methods & demonstrate skills for improvement 4. Have knowledge about Factories Act, rules & regulations and safety of employees 5. Understand the human computer interaction and

		apply in designing other MME system
19303	Job Analysis & Optimization (Pr)	<ol style="list-style-type: none"> 1. Develops skill in assessing working environment conditions and its impact on human body 2. Learns the impact of work-related issues on work output 3. Develops skill in assessing job content, types of job and its impact on human performance
19304	Organizational Behaviour (Th)	<ol style="list-style-type: none"> 1. Understands the behaviour of individuals and group processes in organizations. 2. Know the processes used in organization to achieve efficiency and effectiveness 3. Know organizational structure through practical experience 4. Understand different personality traits of individuals, their values, attitudes, and perceptions 5. Know the characteristics and qualities needed for leadership and importance of motivation 6. Understand the group behavior, power and politics used in organizations 7. Understand the reasons for conflicts and how to resolve them 8. Know the importance and impact of organizational structure, culture and changes taking place in organization
19305	Occupational Health & Safety (Th)	<ol style="list-style-type: none"> 1. Understands the Safety and health policy, importance of training 2. Understand the occupations that are hazardous and measures undertaken to make workplace safe 3. Know the different types of occupational hazards and occupational diseases and disorders 4. Know the impact of occupational hazards on human health 5. Know the importance of occupational hygiene at workplace 6. Use the knowledge of occupational laws, rules and regulations for solving workers problems related to health and safety 7. Set the stage for an overview of health care, Risk and the harm caused by the healthcare, Human error and complex systems, Ethics, professional behaviors and regulation, 8. Understand what to do when things go wrong and how to prevent them from going wrong.
19191	Elective Entrepreneurship Management (Th)	<ol style="list-style-type: none"> 1. Understand the concept of entrepreneurship & idea generation 2. Learns the process and procedures of setting up small enterprise

		<ol style="list-style-type: none"> 3. Develops entrepreneurial skills to manage an enterprise successfully 4. Develop new and innovative business opportunities to meet the complex demands of the current and future business environments. 5. Prepare a start-up business plan emphasizing financing, marketing and organization. 6. Identify sources of potential funding and financing for business start-ups
MSc-RESOURCE MANAGEMENT & ERGONOMICS – SEMESTER - IV		
00401	Dissertation (Pr)	<ol style="list-style-type: none"> 1. Learn to select a thesis research topic and develop it in consultation with her supervisory 2. The research project should be designed for completion, together with other program requirements, within a year period. 3. The thesis should provide evidence of the student's ability to carry out independent investigations and to present the results in a clear and systematic form.
00402	Internship (Pr)	<ol style="list-style-type: none"> 1. Learn to connect academic studies to practical applications and gain work experience 2. Prepare the student for professional training and understand the working in an organization. 3. Student records the practical work undertaken during the internship
19403	Consumer Ergonomics (Theory)	<ol style="list-style-type: none"> 1. Becomes aware of role of human factor and designing of consumer products 2. Application of ergonomics in consumer product design 3. Becomes aware of role of human factor in designing of product 4. Learn to apply knowledge of ergonomics in product assessment and product development
19491	Ergonomics in Everyday Life (Elective)	<ol style="list-style-type: none"> 1. Awareness & use of ergonomics concept in day-to-day life 2. Able to conduct some routine basis that is appropriate to the workplace conditions. 3. Inculcate analyzing skills with respect to work place design, working postures and lifting tasks. 4. Eliminate or control Work-related Musculoskeletal Disorders (WMSD) and hazards by providing ergonomics guidelines