

SCHOOL OF HUMANITIES & SOCIAL SCIENCES


Value Added Course

Total Hours: 35 hours

Session: 2021-22

TEXT & PERFORMANCE

Course Code: (ENG-VA-006)

 407, Seminar Hall,
Third Floor, Central
Block

Course Expert

Dr. Priya Raghav

Course Outcome

Communicate complex ideas about the play text, production and related research.

Justify ideas and approaches to performance based acting theories and historical Contexts.

Course Objective

This course on Text and Performance combines Indian theories of dramaturgy along with a practical understanding of the stage. These range from the classical theories of Rasa to the more modern ones that emerged in the twentieth century.

Course Highlight

Module -I: Popular Theatrical Forms and Practices: Nautanki, Jatra, Tamasha, Bhramyamaan Theatre, Street Theatre, Campus Theatre

Module -II: Theories of Drama Bharata, Rasa

Module -III: Theatrical Production, Direction production stage props costume lighting backstage support

SCHOOL OF BASIC AND APPLIED SCIENCES

Value Added Course Total Hours: 32 hours Session: 2021-22

MATLAB Training

Course Code: (EE-VA-004)

 137, Seminar Hall,
Ground Floor,
Central Block

Expert Name

Dr. Binay Kumar

Course Outcome

Use the MATLAB GUI effectively.

Design simple algorithm to solve problems.

Write simple programs in MATLAB to solve scientific and mathematical problems.

Course Objective

Understanding the MATLAB environment.

Being able to do simple calculations using Matlab

Being able to carry out simple numerical computation and analyses using MATLAB

Highlight of The Course

Module 1: Basic Arithmetic's Operations

Module 2: Basic Graphs in 2-D

Module 3: Graphs of Trigonometric Functions

Module 4: Solution of Basic equations

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 36 hours

2021-22

MEDIA AND COMMUNICATION

Course Code: (ENG-VA-007)

 137, Seminar Hall,
Ground Floor,
Central Block

Course Expert

Dr. Priya Raghav

Course Outcome

- Identify New Media & its role in Society along with media laws and ethics
- acquire fundamental knowledge of Mass communication & Journalism and related study area
- Demonstrate skills for appropriate advertising & public relations

Course Objective

The goal of this course is to provide students with a comprehensive grasp of the activities of the Media and Entertainment industries, as well as the information and abilities required to become an expert media professional prepared to face the industry & difficulties.

Highlight of the Course

Module-I: Fundamentals of Internet & New Media, Human Communication and Presentation Skills, Introduction to the Art of Story Telling, Reporting and Writing

Module -II: Media Laws and Ethics, Editing and Design, Basics of Knowledge Society, Understanding Social Media, Media and Contemporary Affairs

Module -III: Visual Communication and Photography, Advertising & Public Relations, Scripting for Broadcast Media, Arts & Entertainment Journalism

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 32 hours

PSYCHOLOGICAL FIRST AID

Session: 2021-22

Course Code: AP-VA-004

 337, Seminar Hall ,
Second Floor,
Central Block

Course Expert

Dr. Manisha Singh

Course Outcome

To define and implement the strategies Psychological first aid.

To display Fundamental Counseling and Communication Skills.

To recognize and Address Common Psychological Obstacles.

Course Objective

This course aims to provide the students to give immediate and practical aid to people who have been through a terrible situation.

Highlights of the Course

Module-I: Understand the Principles of Psychological First Aid

Module -II: Identification and recognizing Signs of Psychological Distress

Module -III: Promotion of a Trauma-Informed Approach

Module -IV: Establishment of Rapport and Communication

Module-V: Create a Safe and Supportive Environment

VALUE ADDED COURSE ON LABVIEW PROGRAMMING

DURATION: 32 HOURS

INTRODUCTION TO COURSE



This comprehensive program is designed for individuals seeking a detailed exploration of LabVIEW's graphical programming environment. From grasping the intricacies of data acquisition and instrumentation to mastering programming fundamentals, participants will delve into advanced techniques like event handling and dynamic data handling. Through real-world applications and projects, this course aims to provide a hands-on experience, ensuring participants gain practical skills that can be immediately applied. By the course's conclusion, you'll possess the confidence to navigate LabVIEW effectively, employ fundamental and advanced programming concepts, and adeptly tackle engineering challenges.

Trainee/Expert Name:

Ms. Preeti Mahajan

Lingaya's Vidyapeeth

COURSE OBJECTIVES

This LabVIEW Programming course covers a spectrum of objectives, starting with a foundational understanding of LabVIEW's graphical programming environment and key features. Course will then progress to mastering data acquisition and instrumentation techniques, learning to interface LabVIEW with sensors and instruments.

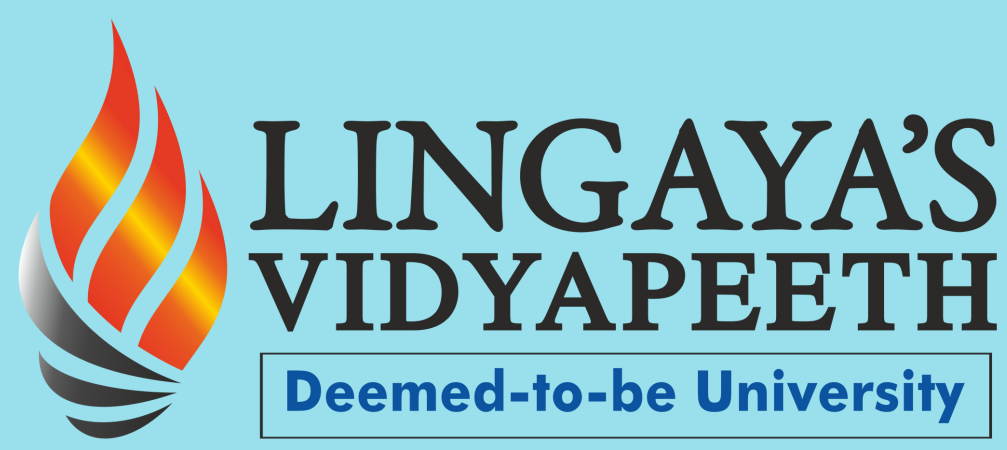
COURSE MODULES

- Introduction to LabVIEW
- Data Acquisition and Instrumentation
- Programming Basics
- Advanced LabVIEW Programming
- Real-world Applications

COURSE OUTCOMES

- **Master LabVIEW Basics:** Demonstrate proficiency in LabVIEW's graphical programming environment
- **Apply Data Acquisition Techniques:** Effectively interface LabVIEW with sensors and instruments, acquiring, processing, and visualizing data.
- **Utilize Programming Fundamentals:** Develop LabVIEW programs

Session: 2020-21



SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course Total Hours: 33 hours

COMMUNICATION SKILLS IN ENGLISH

Course Code: ENG-VA-005

 **337, Seminar Hall ,
Second Floor,
Central Block**

Course Instructor

Dr. Priya Raghav

Course Outcome

Communicate effectively

Demonstrate qualities of a good listener

Demonstrate advanced grammar techniques

Course Objective

To make students proficient in being able to communicate efficiently for course work, taking up internships and jobs in MNC's. The course covers all kinds of communication and Soft Skills required for corporate working.

Highlight of the Course

Module 1: Introduction to Communication, Process, kinds. Written Oral Communication Barriers to Communication

Module 2: Active Listening, Effective Speaking, Powerful Presentations, Presentation Strategies, Interviews, Group Discussion Techniques.

Module 3: Writing Skills-Letters (Personal, Official) Orders, Invitations, Notes, Memo's email. /Technical Writing. Report Writing. Technical Proposals, Research Paper Writing, Dissertation, Thesis Writing

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2020-21

MBA-VA-006

Value Added Course

Total Hours: 30 hours

EXCEL SKILLS FOR BUSINESS



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Meenakshi Kaushik

Course Objective

1. The objective of the Excel Skills for Business course is to provide skills.
2. Participants with a comprehensive understanding of functionalities and how they can be applied in various business contexts.

Course Outcome

1. Demonstrate proficiency in basic to advanced Excel functions, formulas, and features.
2. Construct and manipulate spreadsheets for data organization, analysis, and reporting purposes.

Highlight of the Course

1. Step-by-step tutorials covering Excel fundamentals,
2. Intermediate techniques, and advanced functionalities.
3. Practical exercises and case studies simulating real-world

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2020-21

HM-VA-004

Value Added Course

Total Hours: 30 hours

FOOD AND BEVERAGE MANAGEMENT



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Meenakshi kaushik

Course Objective

1. The objective of the Food & Beverage Management course is to provide hospitality.
2. Beverage operations in the hospitality industry.

Course Outcome

1. Understand the role of food and beverage operations within the broader hospitality.
2. Analyses consumer trends, preferences, and market demands related to food and beverage offerings.

Highlight of the Course

1. Illustrating successful food and beverage
2. Management strategies employed by industry leaders.
3. Sector sharing insights and best practices.

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 30 hours

NEW MEDIA CONTENT WRITING

Session: 2020-21

Course Code: (JMC-VA-003)

137, Seminar Hall,
Ground Floor,
Central Block

Website
Content

Course Expert

Dr. Priya Raghav

Course Outcome

Comprehend how to write with clarity, purpose and precision

Understand how to modify writing styles based on the media employed

Use these skills to pursue higher education in other allied fields

Blog/Article
Writing

Course Objective

New Media Content Writing is a practical course for students and the goal of this course is to inform, educate, or persuade readers, and it can be used for a variety of purposes, including: building brand awareness.

Course highlight

Module-I: The basics of writing mechanics – Grammar, vocabulary, phrases and clauses

Module-II: How to write – construction of clear, simple and precise sentences.

Module-III: Writing for the reader – Role of reader and broadening the Reader–Response theory.

Module-IV: Understanding writing for different media through examples

Module-V: 2.2.Different forms of media – Print, social media websites, blogs, online platforms etc

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2020-21

BBA-VA-001

Value Added Course

Total Hours: 30 hours

PERFORMANCE MANAGEMENT



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Rachna Kalsan

Course Objective

1. The objective of the Food & Beverage Management course is to provide students foods
2. Provide Food and beverage operations in the hospitality industry.

Course Outcome

1. Understand the importance of performance management in achieving organizational goals and objectives.
2. Define performance expectations and establish measurable goals and objectives for employees.

Highlight of the Course

- 1.Theoretical frameworks and models exploring
- 2.feedback models, and performance appraisal methods.
- 3.Case studies and real-world examples illustrating

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2020-21

COM-VA-002

Value Added Course

Total Hours: 30 hours

SALES AND DISTRIBUTION MANAGEMENT



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr Richa Khugshal

Course Objective

1. The objective of the Sales & Distribution Management course is to provide Strategies.
2. Another practices involved in managing sales and distribution channels effectively.

Course Outcome

1. Understand the role and significance of sales and distribution management.
2. Analyse market dynamics, consumer behaviour, and competitive landscapes to develop effective sales and distribution strategies.

Highlight of the Course

1. Case studies and real-world examples illustrating successful
2. Leading companies across different industries
3. Business leaders sharing insights, best practices, and practical advice.

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 30 hours

SCIENCE OF WELL-BEING 2020-21

Course Code: PT-VA-001)

📍 307, Seminar Hall ,
Second Floor,
Central Block

Course Expert

Dr. Manisha Singh

Course Outcome

Understand the role of behavioral change in enhancing well-being, including the development of positive habits and effective goal-setting.

To engage in reflective exercises, self-assessment, and journaling to enhance self-awareness and identify areas for personal growth.

Course Objective

The "Science of Well-Being" course goals focus on providing participants with a strong grasp of positive psychology ideas and techniques for improving overall well-being.

Course Highlight

Module-I: Fundamentals of Positive Psychology: Meaning and concept of positive psychology, Scientific study of factors that contribute to human flourishing and well-being.

Module -II: Exploration of subjective well-being, including aspects such as life satisfaction Types of emotions, good emotions and a feeling of purpose, Factors contributing to people & overall feeling of pleasure and life satisfaction.

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2020-21

MBA-VA-002

Value Added Course

Total Hours: 32 hours

SOCIAL MEDIA MARKETING



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr Richa Khugshal

Course Objective

1. Demonstrate an understanding of the role and significance of social media in contemporary marketing practices.
2. Identify and analyse target audiences on various social media platforms.

Course Outcome

1. The objective of the Social Media Marketing course is to equip students with the knowledge, skills.
2. Through theoretical study, practical application, and case. analyses, students will gain an understanding of the principles.

Highlight of the Course

1. Step-by-step tutorials covering Excel fundamentals.
2. Intermediate techniques, and advanced functionalities.

SCHOOL OF BASIC AND APPLIED SCIENCES

Value Added Course

Total Hours: 38 hours

Understanding Production Of Value-Added Products From Fruits & Vegetables

(ND-VA-007)

 337, Seminar Hall,
Second Floor,
Central Block

Expert Name

Dr. Anurakshee Verma

Course Outcome

Recognize & comply safe working practices & environment regulation.

Work in a team, understand and practice soft skills.

Identify defects by physical observation & its causes in canned foods.

Course Objective

Practice in judging the maturity of various fruits and vegetables.

Prepare, dry and store fruits and vegetables with appropriate methods.

Course Highlight

Module 1: Growth development & Fundamentals of fruits and vegetables.

Module 2: Value Added Products (VAP) from Fruits & Vegetables (Juice and Beverage)

Module 3: VAP (Jams, Jellies and Other Sugar Products)

Module 4: VAP (Pickles, Chutney& tomato products).

SCHOOL OF EDUCATION

2019-20

Value Added Course

Total Hours: 30 hours

EE-VA-001

INTRODUCTION TO YOGA



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Ms. Mamata Gupta

Course Objective

1. Introduce students to the historical and cultural roots of yoga, tracing its evolution and diverse influences.
2. Familiarize participants with fundamental yoga philosophy, including the eight limbs of yoga outlined in Patanjali & Yoga Sutras.

Course Outcome

1. Gain knowledge of the various styles of yoga and their unique characteristics.
2. Identify and apply yogic principles to enhance flexibility, strength, and balance.

SCHOOL OF EDUCATION

2019-20

Value Added Course

Total Hours: 34 hours

CT-VA-007

ROAD SAFETY MEASURES



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Ankur Tyagi

Course Objective

1. The primary objective of implementing safety education in schools and communities.
2. To educate and create awareness about traffic, rules and safety on the road.

Course Outcome

1. Recognize the magnitude of the roadway departure crash problem.
2. Assess strategies to reduce roadway departure crashes.

SCHOOL OF EDUCATION

2019-20

Value Added Course

Total Hours: 30 hours

EE-VA-001

GENDER SENSITIVITY



237, Seminar Hall , First
Floor, Central Block

Expert Name

Dr. Mouna Gupta

Course Objective

1. Raise awareness about the concept of gender and its various dimensions, including societal expectations and roles.
2. Examine the historical and cultural factors influencing gender perceptions and stereotypes.

Course Outcome

1. Demonstrate a comprehensive understanding of the concept of gender and its fluidity.
2. Analyze historical and cultural influences on gender roles, fostering an awareness of the implications for societal norms and expectations.

MECHANICAL ENGINEERING

Session: - 2019-20

Value Added Course

Total Hours: 32 hours

AUTOMOTIVE MECHANICS

(AU-VA-007)



137, Seminar Hall , Ground
Floor, Central Block

Expert Name

Mr. Saurabh Singh

Course Outcome

The underpinning knowledge and the relevant skills associated with this competency are to be developed in the student to display the following

Interpret various terminologies used in Automotive Mechanics.

Evaluate the vehicle performance based on given situation.

Course Objective

The course content should be taught and curriculum should be implemented with the aim to develop different types of skills leading to equip students with the knowledge and skills necessary to work as competent automotive mechanics, capable of diagnosing, repairing, and maintaining various components of vehicles.

Highlight of the Course

Module 1. Introduction to Automotive Technology

Module 2. Steering System

Module 3. Vibration

Module 4. Vehicle Performance

SCHOOL OF BASIC AND APPLIED SCIENCES

Value Added Course

Total Hours: 32 hours

ENVIRONMENTAL MANAGEMENT SYSTEMS

 337, Seminar Hall ,
Second Floor,
Central Block

Expert Name

Dr. Shikha Gupta

Course Outcome

Grasp the fundamentals of Environmental Management Systems and their significance in fostering sustainability.

Navigate environmental regulations, ensuring organizational adherence to standards like ISO 14001.

Course Objective

This Environmental Management Systems (EMS) course is designed to provide participants with a comprehensive understanding of sustainable practices and responsible environmental stewardship. The course objectives encompass gaining insight into EMS frameworks.

Highlight of the Course

Module 1: Develop practical skills for EMS implementation, integration into management systems, and continuous improvement for optimal environmental performance.

Module 2: Acquire skills in sustainable resource management, including energy and water conservation and waste reduction.

Module 3: Implement effective measures for pollution prevention, drawing insights from case studies.

SCHOOL OF BASIC AND APPLIED SCIENCES

Value Added Course

Total Hours: 32 hours

Food Adulteration

Course Code: (ND-VA-001)

 337, Seminar Hall,
Second Floor,
Central Block

Expert Name

Dr. Rizwan Arif

Course Outcome

Get basic knowledge on various foods and about adulteration.

Understand the adulteration of common foods and their adverse impact on health

Comprehend certain skills of detecting adulteration of common foods.

Course Objective

To educate students about common food adulterants and their detection.

To introduce students to food safety and standardization acts.

To make students skilled in food adulteration testing and analytical instrumentation.

Course Highlight

Module 1: Common Foods and Adulteration

Module 2: Adulteration of Common Foods

Module 3: Methods of Detection of Adulterants

Module 4: Food Additives

SCHOOL OF BASIC AND APPLIED SCIENCES

Value Added Course

Total Hours: 40 hours

Introduction To Food Safety And Quality

Course Code: (ND-VA-004)

 137, Seminar Hall,
Ground Floor,
Central Block

Course Expert

Dr. Shikha Gupta

Course Outcome

Students will be able to apply protocol for safe food handling techniques water and waste management

Students will understand the role of food packaging and the importance of nutrition labeling

Course Objective

To understand the influence of nutrition on human growth and development. To study about the nutritional requirements and adaptations by the human body.

Course Highlight

Module 1: Food Hygiene and Adulteration

Module 2: Food Packaging and Labeling

Module 3: Food Spoilage

Module 4: Food Preservation

SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 31 hours

2019-20

PRACTICAL ENGLISH FOR PROFESSIONALS

Course Code: ENG-VA-002

 307, Seminar Hall ,
Second Floor,
Central Block

Course Instructor

Dr. Priya Raghav

Course Outcome

Speak and write professionally & effectively at workplace.

Produce a range of common workplace documents including emails, letters, memos, agenda, minutes, reports, etc

Course Objective

Who are still developing fluency in written and spoken English and wish to become successful communicators at workplace. This course objectives are:

Course Highlight

Module-I: Subject-verb agreement; Correct usage: Noun; Pronoun; Agreement; Indianisms, Modifiers; Articles; Prepositions; Clichés; Redundancies; Technical Style: Features; Choice of words; Sentences: Descriptive; Narrative; Expository; Defining & Classifying;

Module-II: Analysis of locale; Audience; Modulating Style & Content; Speaking with confidence; Kinesics; Paralinguistic features of Voice-Dynamics: Pitch; Intonation; Stress & Rhythm; Conversation & dialogues; Communication at work-place; etc. report.

VAC ON

Energy Conservation and
Management



**VENUE: N137,
CENTRAL BLOCK**

Department of Civil Engineering
Course Duration- 32 hours

RESOURCE PERSON

DR. VAISHALI SAHU,
THE NORTHCAP
UNIVERSITY,
GURUGRAM

OFFERED BY

Department of Civil Engineering,
Lingaya's Vidyapeeth, Faridabad



SCHOOL OF HUMANITIES & SOCIAL SCIENCES

Value Added Course

Total Hours: 32 hours

2018-19

CHILDREN LITERATURE

Course Code: ENG-VA-003

 337, Seminar Hall ,
Second Floor,
Central Block

Expert Instructor

Ms. Lavanya Paluri

Course Outcome

Identify various genres in English Literature

Critically analyze texts related to Children's Literature

Demonstrate correct reading techniques for better comprehension

Course Objectives

To provide a comprehensive list of selected literary works from different genres to give students an idea of the kind of literature that is available and to develop their taste for a particular genre of study in future.

Course Highlight

Module-I: Course Introduction/Defining Children's Literature

Module -II: Books

Module -III: A Timeline of Children's Literature

Module -IV: Storytelling / Puppets and Puppetry

Module-V: Fables & Parables, Selected Reading from favourite folktales

SCHOOL OF LAW

Value Added Course

Total Hours: 32 hours

CULTURAL & CONSTITUTIONAL FRAMEWORK OF INDIA

Session
2018-19

Course Code: MBA-VA-005

📍 307, Seminar Hall ,
Second Floor,
Central Block

Expert

Ms. Anjali Gambhir

Course Outcome

Understand the role of Constitution In The life of Indian Citizens and discuss the historical background of indian Constitution

Discuss the importance of preamble in the implementation of the constitution

Course Objective

To identify the importance of the fundamental rights as well as fundamental duties.

To learn procedure and effects of emergency, composition and activities of election commission and amendment procedure

Highlight

Module -I: The constituent assembly and the constitution - The module talks about the political history of framing the Constitution and the formation of Constituent assembly.

Module-II: features of the Constitution- In this module, the preamble of the Constitution of India will be taken as the basic text. the fundamental Constitutional principles and concepts like individual freedom, justice equality etc will be discussed

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2018-19

MBA-VA001

Value Added Course

Total Hours: 30 hours

DEVELOPING ENTREPRENEURIAL MINDS AND SKILLS



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Ms. Kriti

Course Objective

1. The objective of the Developing Entrepreneurial Minds & Skills.
2. To identify opportunities, innovate, and create value in various contexts.

Course Outcome

1. Cultivate an entrepreneurial mindset characterized by creativity.
2. Identify and evaluate opportunities for innovation, value creation.

Highlight of the Course

1. Inspirational talks and keynote presentations by successful
2. Industry disruptors sharing their personal stories
3. Interactive workshops, ideation sessions

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2018-19

ECO-VA-002

Value Added Course

Total Hours: 30 hours

ECONOMIC GROWTH & SUSTAINABLE DEVELOPMENT



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Prof. K.N Pandey

Course Objective

1. The objective of the Economic Growth & Sustainable Development.
2. Students with a deep understanding of the interplay between economic growth.

Course Outcome

1. Demonstrate proficiency in basic to advanced Excel functions
2. Construct and manipulate spreadsheets for data organization

Highlight of the Course

1. Step-by-step tutorials covering Excel fundamentals,
2. Intermediate techniques, and advanced functionalities.
3. Practical exercises and case studies simulating real-world business

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2018-19

BBA-VA-001

Value Added Course

Total Hours: 30 hours

PERFORMANCE MANAGEMENT



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Rachna Kalsan

Course Objective

1. The objective of the Food & Beverage Management course is to provide students foods
2. Provide Food and beverage operations in the hospitality industry.

Course Outcome

1. Understand the importance of performance management in achieving organizational goals and objectives.
2. Define performance expectations and establish measurable goals and objectives for employees.

Highlight of the Course

- 1.Theoretical frameworks and models exploring
- 2.feedback models, and performance appraisal methods.
- 3.Case studies and real-world examples illustrating

SCHOOL OF PHARMACY

Session: - 2018-19 Years

Value Added Course

Total Hours: 34 hours

DRUG ADDICTION AND TREATMENT

Course code: VA-005



137, Seminar Hall , Ground
Floor, Central Block

Expert Name

Dr Jakeer Husain

Course Objective

1. Learners will be able to list the current diagnostic criteria for substance use disorders
2. Learners will understand the existing clinical treatment approaches for substance use disorders, including alcohol, opioids, stimulants, and benzodiazepines.
3. Overcoming of drug addiction and principles appropriate technique for manufacturing Polymer matrix composites.

Course Outcome

Describe a variety of models and theories of addiction and other problems related to substance abuse.

Describe the behavioral, psychological, physical health and social effects of psychoactive substances on the person using and significant others.

Highlight of the Course

Module 1: A programme based on the guiding principles for school-based education for drug abuse prevention a

Module 2: A safe and supportive school environment

Module 3: Appropriate professional development

SCHOOL OF COMMERCE & MANAGEMENT

Session: - 2018-19

MBA-VA004

Value Added Course

Total Hours: 30 hours

PRE PLACEMENT PREPARATION



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Mr. Mohit Kapil

Course Objective

1. Master Digital Marketing Strategies and Tactics.
2. Develop Proficiency in Digital Marketing Analytics.

Course Outcome

1. The Pre-Placement Preparation course objective is providing Knowledge.
2. Skills, and confidence necessary to successfully navigate.

Highlight of the Course

1. Workshops and seminars covering various aspects of the job search
2. Interview techniques, networking strategies.
3. Environment and receive feedback from peers, instructors.

VALUE ADDED COURSE ON INTELLIGENT TECHNIQUES

DURATION : 30 HOURS

INTRODUCTION TO COURSE



An immersive journey into the forefront of technological innovation. This course is a dynamic exploration of artificial intelligence, machine learning, and cutting-edge techniques reshaping problem-solving paradigms. We delve into the theoretical foundations and real-world applications of intelligent systems, unlocking the transformative potential they bring to various domains. From understanding neural networks to harnessing natural language processing, this course empowers you to navigate the evolving landscape of intelligent technologies. Through engaging lectures, hands-on exercises, and insightful case studies, you'll develop a profound proficiency in leveraging these techniques. Whether you're a seasoned professional or a newcomer, join us in uncovering the fusion of innovation and intelligence that defines the future of problem-solving. Get ready to embark on a captivating odyssey into the realm of "Intelligent Techniques" and redefine possibilities in the digital age. Let the exploration begin!

**Trainer/Expert Name: Ms. Meenu Gupta,
Deptt. of CSE**

COURSE OBJECTIVES

This course aims to offer a foundation of intelligent system techniques and their application in various real-world domains and how to implement a system with "intelligent" functionality. Students will learn to judge when intelligent functionality and artificial intelligence may be a good solution for a problem and be able to choose suitable AI methods and techniques. Students will also acquire knowledge enabling them to develop necessary skills to design and implement an intelligent system.

SYLLABUS

UNIT 1

Introduction to Intelligent Techniques

UNIT 2

Fuzzy Systems

UNIT 3

Artificial Neural Networks

UNIT 4

Genetic Algorithm

UNIT 5

Hybrid Systems

COURSE OUTCOMES

- Describe in detail the class of problems that a specific type of artificial intelligence technique and/or algorithm is suitable to address,
- Show the ability to design and implement a prototype in artificial intelligence, furthermore, propose further improvements

VALUE ADDED COURSE ON PROJECT USING PHP

DURATION : 35 HOURS

Introduction to Course



Welcome to "Projects Using PHP," where we delve into the dynamic interplay between human cognition and technology. In this course, we explore the intricacies of effective interface design, usability, and user experience principles within PHP development.

From deciphering user psychology to implementing practical PHP applications, this course caters to seasoned developers and newcomers alike. Through hands-on practice with real-time projects, participants gain invaluable skills to analyze and enhance user interactions in PHP-based web applications, shaping the future of seamless digital experiences.

Course Objective

- Gain a solid understanding of PHP fundamentals.
- Realize Innovation in PHP Projects
- Explore database integration and manipulation with MySQL.

Course Contents

- UNIT 1** Introduction to PHP Development: Unveiling the Digital Landscape
- UNIT 2** Foundations of PHP-HCI Convergence: Navigating the Basics
- UNIT 3** Crafting Dynamic Interfaces: Real-World PHP Projects
- UNIT 4** Staying Ahead in PHP Development: Innovations and Trends
- UNIT 5** Mastering PHP-Driven Interaction: Culminating the Journey

Course Outcomes

- Possess a strong foundation in PHP programming.
- Be capable of building dynamic and interactive web applications.
- Understand database integration and management using MySQL.
- Have hands-on experience with real-world PHP projects.
- Receive a certificate of completion, validating their newfound skills.

SCHOOL OF EDUCATION

2017-18

Value Added Course

Total Hours: 32 hours

EE-VA-002

EDUCATIONAL LEADERSHIP



137, Seminar Hall , Second
Ground, Central Block

Expert Name

Dr. Sushma Rani

Course Objective

1. Understand Leadership Theories: Explore various leadership theories and models to develop a foundational understanding of effective leadership practices in educational.
2. Develop Decision-Making Skills: Learn frameworks and methodologies for making sound decisions in educational leadership roles.

Course Outcome

1. Enhanced Leadership Skills: Develop a deep understanding of leadership theories.
2. Team Building and Collaboration: Foster environments conducive to teamwork.

SCHOOL OF EDUCATION

2017-18

Value Added Course

Total Hours: 30 hours

EE-VA-001

INTRODUCTION TO YOGA



237, Seminar Hall , First
Floor, Central Block

Expert Name

Ms. Deepa Rani

Course Objective

1. Introduce students to the historical and cultural roots of yoga, tracing its evolution and diverse influences.
2. Teach the foundational yoga asanas (postures) and pranayama (breath control) techniques to enhance physical well-being.

Course Outcome

1. Explore the benefits of yoga for physical, mental, and emotional well-being.
2. Gain knowledge of the various styles of yoga and their unique characteristics.

MECHANICAL ENGINEERING

Session: - 2017-18

Value Added Course

Total Hours: 32 hours

AUTOMOTIVE SAFETY SYSTEM

(AU-VA-003)



137, Seminar Hall , Ground
Floor, Central Block

Expert Name

Mr. Ashutosh Kumar

Course Outcome

The underpinning knowledge and the relevant skills associated with this competency are to be developed in the student to display the following

Ability to develop with the knowledge and skills necessary to understand, design, implement, and maintain safety systems in automotive vehicles.

Course Objective

The course aims to equip students with the knowledge and skills needed to contribute to the design, development, and evaluation of automotive safety systems in adherence to industry standards and regulations.

Highlight of the Course

Module 1: Light Measurements, Testing equipment, calibration and photometric practice & New Technology in Automotive lighting

Module 2: Ergonomics and Human response to Impact

Module 3: Fundamentals of light vision and colour

Module 4: Vehicle safety systems

MECHANICAL ENGINEERING

Session: - 2017-18

Value Added Course

Total Hours: 34 hours

APPLICATION OF COMPOSITE MATERIALS IN AUTOMOBILES

(AU-VA-002)



337, Seminar Hall , Second
Floor, Central Block

Expert Name

Dr. Prashant Rawat

Course Outcome

1. Describe the functional requirements of reinforcement and matrix and classification of composites based on structure and matrix.
2. Describe the properties of fibers and matrix for manufacturing polymer and metal matrix composites.
3. Develop competency in composite manufacturing techniques and be able to select the appropriate technique for manufacturing Polymer matrix composites.

Course Objective

To impart knowledge about composite materials and their properties and structure.

To develop the student's skills in understanding the different manufacturing methods available for Metal Matrix and advanced composites.

Illuminate the knowledge and analysis skills to understand the response of composites to stresses.

Highlight of the Course

Module 1: Overview of Composite Materials and their Automobile Applications.

Module 2: High-Volume Thermoplastic Composite Technology for Automobile.

Module 3: Development of Low-Cost Carbon Fiber for Automobile Applications.

Module 4. Mechanical Properties of Advanced Pore Morphology Foam Composites.

VALUE ADDED COURSE ON Ergonomics Workplace Analysis

Ar. Jyoti Singh
Instructor

Course Duration: 32 hours

Introduction to course

To begin, let me give you an overview of ergonomics, which is a scientific field that studies how people interact with other objects. This is known as ergonomics workplace analysis. The goal of ergonomics and the range of specializations in this sector will be covered. Continue studying ergonomic approaches, the six HF/E technique categories, and the ergonomics awareness checklist in its entirety.

The study of what a user must do, in terms of action or cognitive process, to accomplish a task objective is known as task analysis, and it will be your next challenge. You will get knowledge about the goal of task analysis as well as its various methods. Examine Miller's task description and the cognitive and hierarchical task analysis that follows. After that, discuss the psychological foundations of job assessment.



Finally, we will present to you the concept of biomechanics in workplace assessment. Biomechanics is the study of forces that the human body produces and experiences. Discover worldwide models for safety and risks, biomechanical calculation principles, and workplace biomechanics and human variability. By the time this course ends, you will be able to evaluate the physical demands placed on employees by their jobs.

Course Objectives

- Enable awareness to all participants the importance and significance of having an ergonomically safe workplace.
- Integrate ergonomic concepts into organizational decision making strategies in terms of workplace health & Safety.
- Assess and comply with all Ergonomics legislation, standards and codes.
- Identify areas of improvement across the majority of all physical activities in the workplace implying ergonomics.

Course Content

UNIT 1 Introduction

UNIT 2 Workplace Evaluation

UNIT 3 Task Analysis

UNIT 4 Psychological Fundamentals of Workplace Evaluation

UNIT 5 Biomechanics in Workplace Evaluation

Course Outcomes

Upon successful completion of this module, you would be able to:

- Recognize the different and varied definitions of ergonomics.
- Describe the difference between ergonomics and human factors.
- Recognize the various disciplines within the study of ergonomics.
- Identify the systems approach for conducting ergonomic assessments

VALUE ADDED COURSE ON

Extended Three Dimensional Analysis of Building Systems

Course Duration: 30 hours

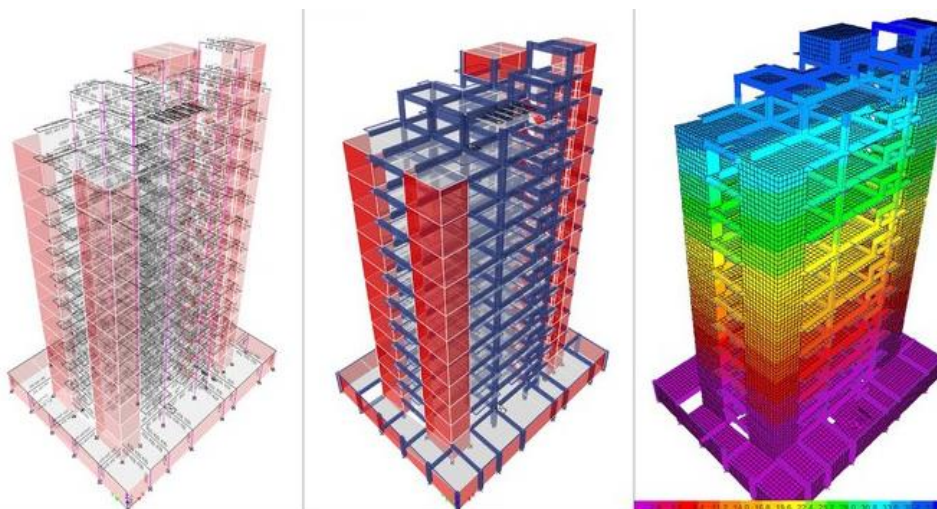
**Mr. Mahesh Kumar
Instructor**

Introduction to Course

A building's design encompasses a number of elements, including architecture, strength, durability, easy mobility, comfortable housing or work spaces, and convenient amenities that meet specific needs. The integration of technical, engineering, and architectural design applications results in a building design. It is simple to develop a building system that can be good both technically and architecturally with the aid of software like ETABS.

Extended Three Dimensional Analysis of Building System is the abbreviation for ETABS. A software project called ETABS is dedicated to the analysis and design of multistory buildings.

It improves the geometrical learning capacity of the construction system. In ETABS, model generation and result reporting are carried out at the object level. It enables the designer to focus on large-scale performance goals. It can easily manage push-over analysis, response history analysis, response spectrum analysis, and lateral processes. The data output options in ETABS, the special purpose software, are more advantageous for lateral design.



Course Objectives

- Detail steel member selection
- Drift optimization and stress checking processes
- Design steel connections
- Analyse large deformation nonlinear time analysis

Course Outcomes

At the end of the training, participants will be able to

- Work with people spanning in different disciplines with productive, innovative, and communicative skills.
- Create one model of the floor systems and the vertical and lateral framing systems and analyse and design the entire building due to the integrated system of ETABS.

SYLLABUS

UNIT 1 Introduction

UNIT 2 Modelling

UNIT 3 Load Case

UNIT 4 Analysis - The Model

UNIT 5 Results Graphical Output

VALUE ADDED COURSE ON SMART CITIES

Course Duration: 32 hours

**Ar. Ishita Jindal
Instructor**

Introduction to Course

Cities, the birthplace and center of human invention and progress, are facing profound shifts in the core functions they play. In order to address a variety of urban issues, the international community has worked to converge and integrate environmental, digital, bio, and financial technologies through smart cities. To properly deploy important technologies in the development of new smart cities or in the revitalization of legacy cities to advanced smart ones, a thorough understanding of their true worth and viability of implementation is essential.



This course aims to give students a comprehensive understanding of the smart city from all angles. That includes covering the theoretical, political, economic, administrative, regulatory, and governance framework of the smart city; researching and analyzing global best practice cases of smart city implementation and their real operational characteristics; developing effective business models for sustainable business ecosystems in and around the smart city; and all other pertinent subjects of study and research.

Participants in the course will be able to take a step toward realizing their vision of a smart city that leads to a sustainable, resilient, and affluent future by creating an open, collaborative, citizen-centric, and digitally enabled operating model for their city.

Course Objectives

- To learn about the concepts and scope of Smart Cities
- To learn the methodology for development of smart city framework, enablers and responsibilities
- To learn about the latest smart and sustainable smart development
- To learn about digital transformation and big data analytics

SYLLABUS

UNIT 1 Introduction

UNIT 2 Smart Cities Framework, Responsibilities And Enablers

UNIT 3 Smart And Sustainable Urban Development

UNIT 4 Digital Transformation

UNIT 5 Big Data Analytics

Course Outcomes

- Understand the concepts and philosophy of Smart Infrastructure and Cities
- Learn the methodology and principles for sustainable development
- Understand and learn the methodology of smart growth
- Learn the methodology of Big Data Analytics
- Create ability for application of smart technologies
- Analyze and apply the techniques for ICT initiatives

VALUE ADDED COURSE ON FUNDAMENTALS OF CLOUD COMPUTING

DURATION : 35 HOURS

INTRODUCTION TO COURSE



We demystify the transformative world of cloud technology. Our main objective is to equip you with a solid foundation in understanding, deploying, and optimizing cloud-based solutions. As businesses increasingly leverage cloud platforms, it becomes imperative to comprehend the fundamentals that drive this digital revolution. Throughout this course, we'll unravel the key concepts, architectures, and services that define cloud computing. From Infrastructure as a Service (IaaS) to Software as a Service (SaaS), you'll gain insights into the diverse offerings of cloud providers. Join us on this journey to not only grasp the theoretical underpinnings but also engage in hands-on experiences, ensuring you're well-prepared to harness the power of the cloud. Let's embark on a learning adventure that demystifies cloud computing, paving the way for your proficiency in this essential technology. Get ready to soar in the cloud!

**Trainer/Expert Name: Mr. Kiran Kumar,
School of Computer Science & Engineering**

COURSE OBJECTIVES

- To learn the basics of cloud computing infrastructures.
- To study about the virtualization techniques involved in cloud computing.
- To gain knowledge about hadoop framework and map reduce concepts.
- To learn networking and database connectivity concepts and procedures in cloud environment

COURSE MODULES

- UNIT 1** Introduction to Fundamentals of Cloud Computing
- UNIT 2** Cloud platform and technologies
- UNIT 3** Cloud reference models with architectures
- UNIT 4** Hadoop framework, hdfs concepts
- UNIT 5** Procedure to install storage controller and interact with it

COURSE OUTCOMES

- Understand and learn the basics of cloud computing infrastructures.
- Study the virtualization techniques involved in cloud computing environment.
- Gain knowledge about hadoop framework and mapreduce concepts.
- Learn networking and data base connectivity concepts and procedures in cloud environment.

VALUE ADDED COURSE ON HUMAN AND COMPUTER INTERACTION DURATION : 30 HOURS

INTRODUCTION TO COURSE



Throughout this journey, we will unravel the intricate relationship between humans and technology, delving into the principles of effective interface design, usability, and user experience. The primary objective is to equip you with the knowledge and skills to understand, analyze, and enhance how people interact with computers. From exploring the psychology of user behavior to practical applications in design, we'll navigate the evolving landscape of digital interaction. Whether you're a seasoned designer or new to the field, this course offers a comprehensive exploration of the dynamic intersection between human cognition and technological interfaces. Get ready to embark on a captivating exploration of Human-Computer Interaction, where innovation and understanding converge to shape the future of seamless digital experiences. Your journey towards mastering the art and science of interaction begins now!

Trainer/Expert Name: Ms. Latha Banda,
School of Computer Science & Engineering

COURSE OBJECTIVES

The main objective is to get student to think constructively and analytically about how to design and evaluate interactive technologies.

Course Content

UNIT 1

Introduction to Human and Computer Interaction

UNIT 2

Menu Selection, Form Fill-In and Dialog Boxes

UNIT 3

Command and Natural Languages

UNIT 4

Quality of Service

UNIT 5

User Documentation and Online Help

COURSE OUTCOMES

- Explain the capabilities of both humans and computers from the viewpoint of human information processing.
- Describe typical human-computer interaction (HCI) models, styles, and various historic HCI paradigms.
- Apply an interactive design process and universal design principles to designing HCI systems.
- Describe and use HCI design principles, standards and guidelines.
- Analyze and identify user models, user support, socio-organizational issues, and stakeholder requirements of HCI systems.