PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Computer Science and Engineering & Information Science

Name of the Department: Computer Science and Engineering

Area of Specialization: Computer Networks

Name of the Faculty Member: Vetrimani Elangovan, Associate Professor, CSE

Tile of the Value Added Course: Introduction to OpenCV

Course Duration: [30 hours] [From Nov 22 to Feb 23]

Course Code: CSEV321

Introduction to the Course:

his OpenCV tutorial helps you learn OpenCV while giving you exposure to topics like face detection, object detection, optical flow, and much more. By the end of this free OpenCV course, you will gain a basic understanding about how to work with computer vision.

Course Content

Introduction to OpenCV for Beginners

Lesson 1 - Introduction

1.01 Introduction to OpenCV

Lesson 2 - Image Processing

2.01 Reading an Image

2.02 Displaying an Image

2.03 Saving an Image

2.04 Accessing Image Properties

2.05 Changing Color Space

2.06 Resizing The Image

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

2.07 Displaying Text

2.08 Drawing A Line

2.09 Drawing A Circle

2.10 Drawing A Rectangle

2.11 Drawing A Ellipse

2.12 Displaying Images In Multiple Modes

2.13 Playing Webcam

2.14 Capturing Videos Using OpenCV

2.15 Playing Video From File

2.16 Basic Operations On Images Using OpenCV

2.17 Access Pixel Values And Modify Them

2.18 Access Image Properties

2.19 Setting Region Of Image

2.20 Splitting And Merging Images

2.21 Change The Image Color

2.22 Blend Two Different Images

2.23 Apply Different Filters On Image

2.24 Image Thresholding

2.25 Contour Detection And Shape Detection

2.26 Color Detection

2.27 Object Replacing In 2D Image Using OpenCV

Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Computer Science and Engineering & Information Science

Name of the Department: Computer Science and Engineering

Area of Specialization: Computer Networks

Name of the Faculty Member: Dr.N.Rajkumar, Associate Professor, CSE, AYESHA SIDDIQHA

Tile of the Value Added Course: Introduction to MYSQL

Course Duration: [30 hours] [From Nov 22 to Feb 23]

Course Code: CSEV324

Introduction to the Course:

An introduction to the fundamentals of SQL and relational databases using database programming techniques emphasizing database structures, modeling, and database access. This course instructs the student in the essential concepts and design methodology for the Relational Database Model as implemented in MySQL.

Prerequisites This MySQL course is designed for beginners having no prior Database knowledge. However, if you have a basic knowledge of computer, database, and Database Management Systems, it will help you learn MySQL more easily and efficiently.

Course Outcomes: On successful completion of the course the students shall be able to :

01: Understand basic concepts of how a database stores information via tables.

02: Learn how to retrieve and manipulate data from one or more tables.

03 Understand the advantages of stored procedures along with storing data using variables and functions.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module-1: Database Introduction (10 Hrs)

- Introduction to database server
- MYSQL Installation
- Data Types overview
- Constraints

Module -2: SQL Query Section (10 Hrs)

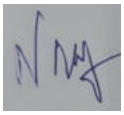
- Data Definition Language (DDL)
- Data Control Language (DCL)
- Data Manipulation Language (DML)
- Select Queries
- SQL Join
- Sub Queries
- Group By Queries
- SQL Functions (including date function, aggregation, string formatting)
- View and Querying to View

Module -3: PL/SQL (10 Hrs)

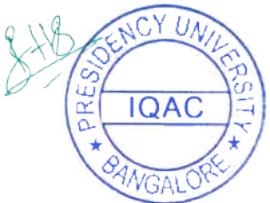
- Function
- Procedure
- Cursor
- Trigger

Reference:

1. https://www.w3schools.com/MySQL/default.asp
2. https://www.javatpoint.com/mysql-tutorial
3. https://www.hostinger.in/tutorials/what-is-mysql
4. https://www.tutorialspoint.com/mysql/index.htm



Name &Signature of the Faculty Member **Approval by Program Head**



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Data Analysis

Name of the Faculty Member: Ms Ashishika Singh, Assistant Professor, CSE

Tile of the Value Added Course: Fundamentals of SQL Programming

Course Duration: [30 hours] [From 02 Feb 23 to 15 Feb 23]

Course Code: CSEV325

Introduction to the Course:

This course is designed to implement database design using MySQL (My Structured Query Language- Open Source) in information technology applications. All the exercises will focus on the fundamentals for creating, populating, sophisticated, interactive way of querying, and simultaneous execution of the transactions of database.

Prerequisites: NIL

Course Outcomes: On successful completion of the course the students shall be able to :

01 Solve Structured Query Language (SQL) queries to create, read, update, and delete relational database data.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: SQL Commands [30 Hours]

Topics covered

1. To study and implement Data Definition Language (DDL) commands and Data Manipulation Language (DML) commands of MySQL.
2. Identify the given requirements; valid attributes and data types and Perform DDL and DML operations on a given scenario. [Student Databases]
3. To implement different types of MySQL constraints and relational, logical, pattern matching, BETWEEN, IS NULL, IN and NOT IN Special Operators.
4. Create tables using PRIMARY KEY, NOT NULL, UNIQUE, FOREIGN KEY and demonstrate the working of relational, logical, pattern matching, BETWEEN, IS NULL, IN and NOT IN Special Operators on Student Database.
5. Enforce different types of data and referential integrity constraints. Then try queries with special operators based on the student database. [Student database]
6. To try for aggregation of data in to groups and sub-groups using Group by, HAVING clauses and sort data using Order By Clauses.
7. To study and implement different types of Set and Join Operations
8. Demonstrate different types of Set Operations (UNION, UNION ALL, INTERSECT, MINUS) and Join Operations (INNER JOINs, OUTER JOINS, CROSS JOIN, NATURAL JOIN) on two or more tables of Banking Database.
9. To study and implement Views in MySQL.
10. To study and implement Triggers in MySQL.

Reference:

- https://www.tutorialspoint.com/dbms/dbms_quick_guide.htm
- https://tdan.com/normalizing-with-entity-relationship-diagramming/4583
- https://www.geeksforgeeks.org/database-recovery-techniques-in-dbms/
- https://onlinecourses.swayam2.ac.in/cec22_cs08/preview
- https://www.youtube.com/channel/UCeGIQ_4YG6zOT0VO52CY9Rg

Name &Signature of the Faculty Member **Approval by Program Head**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Web Development

Name of the Faculty Member: Ms.Pushpalatha,Assistant Professor,CSE Dept.

Tile of the Value Added Course: Introduction to RDF and XML Programming

Course Duration: [21 hours] [From DEC 22 to FEB 22]

Course Code: CSEV329

Introduction to the Course:

The aim of this course is to teach the students the concepts, technologies and techniques underlying and making up the XML and RDF. At the end of the course the student should be able to: understand and discuss fundamental concepts, advantages and limits of the XML and RDF; understand and use the RDF framework and associated technologies such as RDFA; understand the basic concepts of OWL.

Prerequisites

Object Oriented Programming (CSE 204)

Web Technologies (CSE 264)

Course Outcomes: On successful completion of the course the students shall be able to :

CO 1 Explain the basics of XML,XML Schema **[Comprehension]**
CO 2. Describe Knowledge Representation for the RDF **[Knowledge]**
CO 3. Illustrate the role of RDFS and inference engines in semantic web **[Application]**
CO 4. Explain the basics of OWL **[Comprehension]**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Intoduction to XML [10 Hours]

Topics covered

1. XML Syntax
2. XML Elements
3. Tree Structure
4. XML DOM
5. XML Parser
6. XML Programs

Module 2: RDF and RDFS [8 hours]

1. RDF Syntax
2. Difference between XML and RDF
3. Creation of RDF Documents
4. RDFS
5. Difference between RDF and RDFS

Module 3: OWL [3 hours]

1. OWL-Introduction

2. OWL Properties

3. Pizza ontology using Protégé tool-case study

Reference:

https://presidencyuniversityin-my.sharepoint.com/:b:/g/personal/pushpalatha_m_presidencyuniversity_in/EYOL-sqCr59Nom9KpFuLf0oBju8JC2uvmPPmq1K-gUllUA?e=Ne3DF4

https://presidencyuniversityin-my.sharepoint.com/:b:/g/personal/pushpalatha_m_presidencyuniversity_in/ETUdZ276uQ5KuUBqHBAvg7sBGawLz4rz9SVx2GxZt86WXw?e=xBTBQz

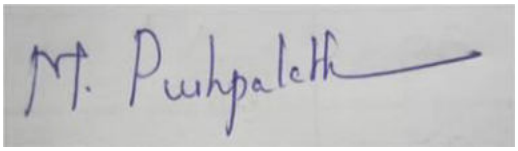
https://presidencyuniversityin-my.sharepoint.com/:b:/g/personal/pushpalatha_m_presidencyuniversity_in/EVbo90JIYdtIhOWM2XnekBwBCjhvCyYYfH60XlLDhkGypg?e=oOHove

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

https://presidencyuniversityin-my.sharepoint.com/:b:/g/personal/pushpalatha_m_presidencyuniversity_in/EbIpqjYf16FGuusDkeyESsQBH80GAo9RJEkPuyjjkMD2eg?e=1n8HWI



Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Soft Computing

Name of the Faculty Member: Ms. Tulika Dutta, CSE

Tile of the Value Added Course: Evolutionary Computation for Single and Multi-Objective Optimization (using Python)

Course Duration: [30 hours] [From 27th Jan, 2023 to 17th Feb,2023]

Course Code: CSEV330

Introduction to the Course:

Evolutionary computation (EC) is a sub-field of computational intelligence that use ideas and get inspiration from natural evolution. It is based on Darwin's principle of evolution where the population of individuals iteratively performs search and optimization. EC techniques can be applied to optimization, learning, design and many more. This course will concentrate on the concepts, algorithms, hand-calculations, graphical examples, and applications of EC techniques. Topics will be covered include binary and real-coded genetic algorithms, differential evolution, particle swarm optimization, multi-objective optimization and evolutionary algorithms, and statistical assessment. Students will be taught how these approaches identify and exploit biological processes in nature, allowing a wide range of applications to be solved in industry and business. Students will have the opportunity to build and experiment with several different types of EC techniques through-out the course.

Prerequisites: Basics understand of problem Solving, programming skils in Python

Course Outcomes: On successful completion of the course the students shall be able to :

01: Understanding the concepts of Evolutionary Computation based on different natural phenomena.

02: Problem solving using various EC techniques like Genetic Algorithm and Particle Swarm Optimization.

03: Implementing Single Objective Optimization and Multi-Objective Optimization techniques.

Ms. Tulika Dutta

Tulika Dutta

Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Computer Science & Engineering

Name of the Faculty Member: Mr.Sachin Jain, Assistant Professor, CSE

Tile of the Value Added Course: pointers, string and file prograaming in c

Course Duration: [30 hours] [From 03 Dec 22 to 28-Jan-23]

Course Code: CSEV332

Introduction to the Course:

This course intend to provide an practical understanding of computer science engineering concepts for better life long learnig. This couse will also be helpful forto be graduate studensts to have an quick and practical revesion of computer science engineering concepts through which they can accept coming challenges in their profession carrier.

Prerequisites: Basics understand of problem Solving, programming skils, Data Structure

Course Outcomes: On successful completion of the course the students shall be able to :

01: Enhance Problem solving and programming skils by performing experiments

02: Demonstrate basic and advanced concepts of data structure.

03 Apply basic concepts C programming in real life prolems

Course Content

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Module 1: Pointers **[8 Hours]**

Topics covered

1. Introduction of Poiunters
2. Types of the pointers
3. More on integer and character pointers
4. Pointer to a functions
5. Manipulation using pointer

Module 2: String **[10 hours]**

1. Introduction to String
2. Character and String constants
3. String arrays
4. String Functions
5. Programms on string

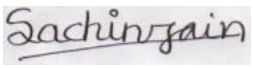
Module 3: File Programming **[6 hours]**

1. Introduction to files
2. Function to manipulate the file
3. Programs on file

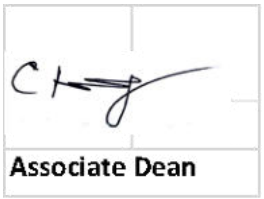
Reference:

1. https://onlinecourses.nptel.ac.in/noc23_cs02/announcements?force=true

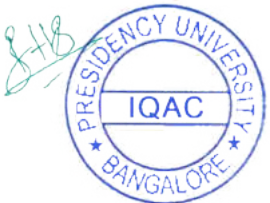
Sachin Jain



Name &Signature of the Faculty Member



Approval by Program Head



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Software testing and methodologies

Name of the Faculty Member: S.Thabassum khan, CSE

Tile of the Value Added Course: Hands-on training on Software testing and methodologies

Course Duration: [30 hours] [From Nov 22 to Dec 22]

Course Code: CSEV334

Introduction to the Course:

This course intend to provide an practical understanding of computer science engineering concepts for better life long learnig. Software Testing is evaluation of the software against requirements gathered from users and system specifications. Testing is conducted at the phase level in software development life cycle or at module level in program code. Software testing comprises of Validation and Verification.. This couse will also be helpful forto be graduate studensts to have an quick and practical revesion of computer science engineering concepts through which they can accept coming challenges in their profession carrier.

Prerequisites: Basics understand of Testing tools, Verification , Validation, Software Engineering,

Course Outcomes: On successful completion of the course the students shall be able to :

01: Enhance skils by performing virtual experiments .

02: Demonstrate basic and advanced concepts of Softwware testing.

03 Apply basic concepts of software engineering an in real life prolems.

Course Content

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Module 1:Basic of Testing **[15 Hours]**

Topics covered

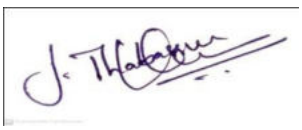
1.What is Automation Testing?
2. Types of Automation Testing
3 Automated Functional Testing
4. Advantages of Automation Testing
5. Challenges in Automation Testing
6. Automated Performance Testing
7. Automated Mobile Test Testing
8. Automated API/Web Services Testing

Module 2: Automated Testing Process: **[15 hours]**

1.Define scope of automation
2.Create Automation Framework
3.Create Test Scripts/Test cases
4.Execute Automated Test Cases
5.Analyze Test Results & Report Defects
6.Track Defects and conduct Regression testing
7.Maintain automation resources

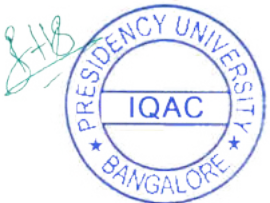
Reference:

1. https://www.vlab.co.in/broad-area-computer-science-and-engineering
2. http://ps-iiith.vlabs.ac.in/
3. http://vlabs.iitkgp.ac.in/se/
4. http://cse01-iiith.vlabs.ac.in/
5. https://cse29-iiith.vlabs.ac.in/



S.Thabassum Khan

Name &Signature of the Faculty Member **Approval by Program Head**



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Computer Science and Engineering & Information Science

Name of the Department: Computer Science and Engineering

Area of Specialization: Networking

Name of the Faculty Member: Dr. Robin Rohit Vincent , Associate Professor, CSE

Tile of the Value Added Course: Routing and Switching using Packet Tracer

Course Duration: [30 hours] [From 06th February 2023 to 20th February 2023]

Course Code: CSEV336

Introduction to the Course:

This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. You will perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN.

Prerequisites: Basic knowledge of network fundamentals, IP addressing, Subnetting

Course Outcomes:

On successful completion of the course the students shall be able to :

1. **Configure devices using security best practices.**
2. **Explain how Layer 2 switches forward data.**
3. **Implement VLANs and trunking in a switched network.**
4. **Troubleshoot inter-VLAN routing on Layer 3 devices.**
5. **Explain how STP enables redundancy in a layer 2 network.**
6. **Troubleshoot EtherChannel on switched networks.**
7. **Implement DHCPv4 to operate across multiple LANs.**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Basic Device Configuration **[5 Hours]**

4.1. Configure a Switch with Initial Settings
4.2. Configure Switch Ports
4.3. Secure Remote Access
4.4. Basic Router Configuration
4.5. Verify Directly Connected Networks
4.6. PT - Configure SSH
4.7. PT Configure Router Interfaces

Module 2: Switching Concepts **[3 hours]**

2.1. Frame Forwarding
2.2. Collision and Broadcast Domains

Module 3: VLANs **[5 hours]**

3.1. Overview of VLANs
3.2. VLANs in a Multi-Switched Environment
3.3. VLAN Configuration
3.4. VLAN Trunks
3.5. Dynamic Trunking Protocol
3.6. PT - Who Hears the Broadcast
3.7. PT - Investigate a VLAN Implementation
3.8. PT - VLAN Configuration
3.9. PT - Implement VLANs and Trunking

Module 4: Inter-VLAN Routing **[5 hours]**

4.1. Inter-VLAN Routing Routing Operation
4.2. Router-on-a-Stick Inter-VLAN Routing
4.3. Inter-VLAN Routing using Layer 3 Switches
4.4. Troubleshoot Inter-VLAN Routing
4.5. Configure Router-on-a-Stick Inter-VLAN Routing
4.6. PT - Configure Layer 3 Switching and Inter-VLAN Routing
4.7. PT - Inter-VLAN Routing Challenge

Module 5: STP Concepts **[3 hours]**

5.1. Purpose of STP
5.2. STP Operations
5.3. Evolution of STP
5.4. PT - Investigate STP Loop Prevention

Module 6: EtherChannel **[4 hours]**

6.1 EtherChannel Operation
6.2 Configure EtherChannel
6.3 Verify and Troubleshoot EtherChannel
6.4 PT - Configure EtherChannel

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

6.5 PT - Implement Etherchannel

Module 7: DHCPv4 **[5 hours]**

7.1. DHCPv4 Concepts
7.2. Configure a Cisco IOS DHCPv4 Server
7.3. Configure a DHCPv4 Client
7.4. PT - Configure DHCPv4

9. Assessment Pattern

Assessments Methods	Outcomes	Total Marks
Module 1-4 Exam	1,2,3,4	25
Module 5-7 Exam	5,6,7	25
Final Exam	1-7	50
Total Marks		100

Reference:

1. **Cisco Networking Academy, & Johnson, A. (2017). Scaling Networks v6 Labs & Study Guide (Lab Companion) (1st ed.). Cisco Press.**
2. **Cisco Networking Academy. (2017). Connecting Networks V6 Companion Guide. United Kingdom: Pearson Education.**
3. **Donohue, D. and Stewart, B. (2010) CCNP routing and switching quick reference a quick review of CCNP routing and switching exam topics. Indianapolis: Cisco Press.**
4. **https://itexamanswers.net/ccna-2-v7-exam-answers-switching-routing-and-wireless-essentials-v7-0-srwe.html**
5. **https://www.geeksforgeeks.org/computer-network-tutorials/?ref=ghm**

Name &Signature of the Faculty Member **Approval by Program Head**

Dr. Robin Rohit Vincent

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: **School of Engineering**

Name of the Department: **Computer Science and Engineering**

Area of Specialization: Deep Learning

Name of the Faculty Member: Mr.Aarif Ahamed S,Mr.Likhith S.R

Tile of the Value Added Course: **Mini Projects on Deep learning to deep Learning**

Course Duration: 30 hours

Course Code: CSEV339

Introduction to the Course:

Deep learning is a sub domain of Artificial Intelligence which enables computers to carry out the tasks without the human intervention. It is inspired by the biological element of the human brain i.e. Neuron. Popular deep learning algorithms includes Multi-layer perceptron (MLP), Deep Convolution Neural Networks (CNN), Recurrent Neural Networks, Long Short Term Memory (LSTM) Networks, Deep Autoencoders and Boltzmann Machines (BM).Due to their flexibility and high accuracy these models gave record breaking results in the field of image classification, text processing and speech recognition. Every year since, deep learning has continued to get more powerful and improved models for solving problems in many different domains.

Prerequisites:Basics understand of problem Solving, programming skils,

Course Outcomes: On successful completion of the course the students shall be able to :

1. Learnt how to modify state-of-the-art deep learning architectures for a new dataset/task.

2. Know the basic model types used in deep learning, e.g., Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Generative Adversarial Networks (GANs).

3. Understand the basic concepts of neural networks and deep learning methods.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Deep learning basics: **[8 Hours]**

1. What is Deep Learning?
2. How Does Deep Learning Work?
3. Example of Deep Learning at Work
4. Rise of Deep Learning
5. Deep Learning in Action
6. Deep Learning Applications(1. Virtual Assistants,2. Chatbots,3. Healthcare,4. Entertainment)

Module 2:Convolutional neural networks **[10 hours]**

1. What are CNNs and why do we need them?,
2. The basic building blocks of CNNs,Pooling layer,dropout,fully connected layer,padding
3. Study of some famous CNN architectures(AlexNet, VGG16, ResNet, Incepion Net)

Module 3: Google Colab, Transfer Learning **[12 hours]**

1. Intro to Google Colab,How to use aGPU or TPU for free
2. Tensorflow 2.0 in Google Colab
3. Uploading your own data to Google Colab
4. Some Pre-trained Models (VGG, ResNet, Inception, MobileNet)
5. Mini project-1
6. Mini project-2

Reference:

1. Deep Learning by Goodfellow, Bengio, and Courville. Available at the link for free. Copyright 2016 MIT Press.
2. **https://www.simplilearn.com/tutorials/deep-learning-tutorial**
3. **https://www.javatpoint.com/deep-learning**
4. **https://www.guru99.com/deep-learning-tutorial.html**
5. **https://www.geeksforgeeks.org/introduction-deep-learning/**
6. **https://www.simplilearn.com/tutorials/deep-learning-tutorial/what-is-deep-learning**

Signature of Instructor-in-Charge	
	Associate Dean

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Computer Science & Engineering and IS

Name of the Department: Computer Science and Engineering

Area of Specialization: Software Engineering

Name of the Faculty Member: Dr. Mohammadi Akheela Khanum, Professor, CSE

Tile of the Value Added Course: Fundamentals of Software Quality and Project Management

Course Duration: [30 hours] [From Nov 22 to Feb 2023]

Course Code: CSEV342

Introduction to the Course: This course is a value added course , the contents of which aims to develop an understanding of the fundamentals of software project management and quality assurance which are applicable during software development. It makes the learner understand the various project cost and effort estimation models . It also helps the learner understand and apply the quality assurance activities.

Prerequisites: Basic understanding of the software engineering concepts.

Course Outcomes: Upon successful completion of the course the students shall be able to :

01: Demostrate an understanding of the fundamentals of project management practices.

02: Demonstrate basic and advanced concepts of project scheduling and risk management.

03 Apply basic concepts of project estimations and quality assurance in software development.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction [8 Hours]

1. Introduction to project and project management.
2. Stepwise approach to planning software projects
3. Programme management and project evaluation.

Module 2: Project estimation and Planning [12 hours]

1. Over and Under estimation
2. Parametric Estimation Models-COCOMO, Function Point Analysis (FPA)
3. Activity Planning- Scheduling, PERT, CPM

Module 3: Risk Management and Quality Assurance [10 hours]

1.Categories of risk.
2. Boehm's top 10 development risks
3. Risk Planning.
3. Sofwtare Quality Assurance Plan.
4. ISO standards.
5. CMM.

Reference:

1. **Sofwtare Project Management- Bob Hughes and Mike Cotterell, 4th Ed. TMH.**
2. Capability Maturity Model (CMM) & it's Levels in Software Engineering (guru99.com)
3. Software Engineering | ISO 9000 Certification - javatpoint

Name &Signature of the Faculty Member **Approval by Program Head**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction [12 Hours]

Topics covered

1. Introduction to Ad Hoc networks – definition, characteristics features, applications.
2. Modulation techniques
3. multiple access techniques
4. IEEE 802 Networking standard
5. WirelessWANs- The cellular concept, cellular architecture, the first generation cellular systems, the second generation cellular systems, the third generation cellular systems.
6. Ad HocWireless Networks- Introduction, Issues in Ad HocWireless Networks, Ad Hoc Wireless Internet.

Module 2: MAC Protocols [10 hours]

1. Design Issues, goals and Classification.
2. Contention based protocols
3. Contention based protocols with reservation mechanisms,
4. Contention based MAC protocols with Scheduling mechanisms

Module 3: Routing Protocols [8 hours]

1. Design Issues, goals and Classification.

2. Table driven routing protocols

3. On-demand routing protocols

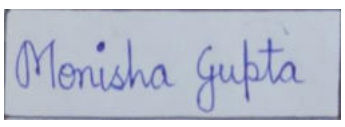
4. Hybrid routing protocols

5. Hierarchical routing protocols

Reference:

1. C.Siva Ram Murthy and B.S.Manoj, “Ad hoc Wireless Networks Architectures and protocols”, 2nd edition, Pearson Education. 2007.

2. Stefano Basagni, Marco Conti, Silvia Giordano and Ivan stojmenovic, “Mobile ad hoc networking”, Wiley-IEEE press, 2004.



Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Data structures

Name of the Faculty Member: Ms.Aruna S, CSE

Tile of the Value-Added Course: Advanced data structures and algorithms using C

Course Duration: [30 hours] [Nov22 to Dec22]

Course Code: CSEV348

Introduction to the Course:

In this course we will understand different data structures and how to use them effectively for solving problems. It is expected that the students have basic experience in any high-level programming language. Data structures and algorithms are a crucial part of programming interviews. This course is a complete course on Advanced data structure and algorithms. The main focus here will be mastering the Data structures, implementing those and some problems explaining application of those data structures and understand different programming paradigms, analysis of algorithms and applying different data structures.
In this course, we will cover the following topics:

- Time and Space complexity of algorithms
- Trees - Representation, binary trees, binary search trees, balanced binary search trees, and related problems
- Graphs - representation, traversal of graph using breadth-first search, depth first search, graph algorithms
- Hash Table

Prerequisites: Knowledge in C programming

Course Outcomes: On successful completion of the course the students shall be able to:

01: Design programs using various data structures including hash tables, Binary and general search trees, graphs etc.

02 Implement and know the applications of algorithms

03 Implement all data structures in a high-level language for problem solving.

04 check the correctness of algorithms using inductive proofs and loop invariants.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

05 Compare functions using asymptotic analysis and describe the relative merits of worst-, average-, and best-case analysis

Course Content

Advanced data structures and algorithms using C

Module 1 : Introduction to Algorithm specifications [5 hours]

Algorithm Specifications: Performance Analysis and Measurement (Time and space analysis of algorithms- Average, best and worst case analysis), - Divide and Conquer – Binary Search - greedy algorithm- Map colouring

Module 2: Introduction to Tree [10 hours]

Terminology, Binary Trees, Properties of Binary trees, Array and linked Representation of Binary Trees, Binary Tree Traversals - Inorder, postorder, preorder; Additional Binary tree operations. Binary SearchTrees – Definition, Insertion, Deletion, Traversal, Searching, Application of Trees-Evaluation of Expression

Module 3: Introduction to Graph [10 hours]

Definitions, Terminologies, Matrix and Adjacency List Representation Of Graphs, Elementary Graph operations, Traversal methods: Breadth First Search and Depth First Search.

Module 4: Hashing [5 hours]

Hashing – General Idea, Hash Function, Separate Chaining, Hash Tables without linked lists: Linear Probing, Quadratic Probing, Double Hashing

Reference: Seymour Lipschutz, "Data Structures", Tata McGraw- Hill Publishing Company Limited, Schaum‟s Outlines, New Delhi.

Name &Signature of the Faculty Member **Approval by Program Head**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Data Structures and Algorithms

Name of the Faculty Member: Mr Asad Mohammed Khan,Assistant Professor, CSE

Tile of the Value Added Course: Advanced data structures and algorithms using C

Course Duration: [18 hours] [From 23-01-2023 to 15-02-2024]

Course Code: CSEV348

Introduction to the Course:

This "Advanced Data Structures and Algorithms using C" course provides a comprehensive explanation of different types of data structures and algorithms. Throughout the course a step by step approach is followed to make you understand different algorithms. Through this course you can build a strong foundation and it will help you to crack Data Structures and Algorithms in C coding interviews questions and work on projects. Good foundation on Data Structures and Algorithms in C interview topics helps you to attempt tricky interview questions.

Prerequisites: Basics understand of problem Solving, programming skills, Data Structure, Algorithm.

Course Outcomes: On successful completion of the course the students shall be able to :

01: Enhance Problem solving and programming skills.

02: Understand and Apply advanced concepts of Data Structures.

03: Understand and Apply advanced concepts of Algorithms.

04: Apply advanced concepts of data structures and algorithms in real life problems.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Advanced Data Structures [6 Hours]

Topics covered

1. Trees : AVL Tree
2. Threaded Binary Tree
3. Expression Tree,
4. B Tree explained and implemented in C

Module 2: Advanced Algorithms [6 hours]

1. Graphs : Adjacency matrix
2. Adjacency list, Path matrix
3. Warshall's Algorithm
4. Traversal, Breadth First Search (BFS), Depth First Search (DFS),

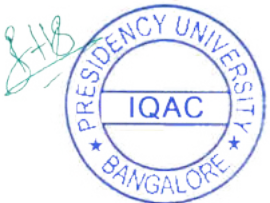
Module 3: Real life problem solving [6 hours]

1. Dijkstra's Shortest Path Algorithm
2. Prim's Algorithm
3. Kruskal's Algorithm for minimum spanning tree

Reference:

1. https://www.udemy.com/course/data-structures-and-algorithms-in-c-2/
2. https://www.geeksforgeeks.org/advanced-data-structures/
3. https://www.javatpoint.com/advance-data-structures/
4. https://unstop.com/courses/details/advanced-data-structures-algorithms

Name &Signature of the Faculty Member **Approval by Program Head**



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Quantum Computing

Name of the Faculty Member: Dr Jayakumar Vaithiyashankar, Assistant Professor, CSE

Tile of the Value Added Course: Quantum Computing using IBM Qiskit Framework

Course Duration: [30 hours] [From Aug 22 to Feb 23]

Course Code: CSEV350

Introduction to the Course:

This course provides an introduction to the theory and practice of quantum computation. Topics covered include: quantum mechanics to understand quantum computation. Quantum algorithms. The Shor's factorization algorithm Grover's search algorithm Mathematical models of quantum computation, Quantum Machine Learning, and to physical systems.

Prerequisites: Basics understand of Linear Algebra, Probaility and statistics.

Course Outcomes: On successful completion of the course the students shall be able to :

1. Understand the basic principles of quantum computation and quantum mechanics.
2. Design quantum circuits using quantum gates.
3. Analyze the behavior of basic quantum algorithms.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction to Quantum Computing [10 Hours]

Introduction to quantum computing. Qubits, Bloch sphere, multiple qubits,

Module 2: Quantum Mechanics and Quantum States [10 hours]

quantum states and measurements, Postulates of quantum mechanics, Classical computation vs quantum computation.

Module 3: Quantum States [10 hours]

The model of quantum computation, Quantum circuits: single qubit gates, multiple qubit gates, design of quantum circuits.

Text Book

1. Nielsen, M., & Chuang, I. (2010). Quantum Computation and Quantum Information: 10th Anniversary Edition. Cambridge: Cambridge University Press. doi:10.1017/CBO9780511976667
2. McMahon D. Quantum Computing Explained. Hoboken N.J: Wiley-Interscience : IEEE Computer Society; 2008.

References

1. Benenti G., Casati G. and Strini G., Principles of Quantum Computation and Information, Vol. I: Basic Concepts, Vol II: Basic Tools and Special Topics, World Scientific. (2004)
2. Pittenger A. O., An Introduction to Quantum Computing Algorithms (2000).

E book link R1:

http://community.qiskit.org/textbook

E book link R2

https://github.com/Qiskit

R3 Web resources:

- Abraham Asfaw and Antonio Corcoles & et al. "Learn Quantum Computation Using Qiskit", 2020, http://community.qiskit.org/textbook
- IBM Qiskit Global Summer School 2021: Quantum Machine Learning, https://qiskit.org/events/summer-school/
- https://quantum-computing.ibm.com/
- https://qiskit.org/

Dr. Jayakumar Vaithiyashankar
Name &Signature of the Faculty Member

Approval by Program Head

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School:School of Computer Science and Engineering and Information Science

Name of the Department: Computer Science and Engineering

Area of Specialization: Agricultural Informatics (Bio-Informatics)

Name of the Faculty Member: Dr.S.RADHA RAMMOHAN

Tile of the Value-Added Course: INTRODUCTION TO IT PROTOCOLS IN AUTOMATION

Course Duration: [30 hours] [Nov22 to Dec22]

Course Code: CSEV351

Lecture 1: Introduction to Industrial Automation and Control

2. Lecture 2: Architecture of Industrial Automation Systems.

3. Lecture 3: Introduction to sensors and measurement systems

4. Lecture 4: Temperature measurement

5. Lecture 5: Pressure and Force measurements

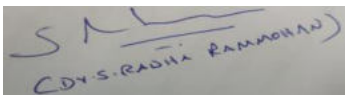
6. Lecture 6: Displacement and speed measurement

7. Lecture 7: Flow measurement techniques

8. Lecture 7: Measurement of level, humidity, pH etc

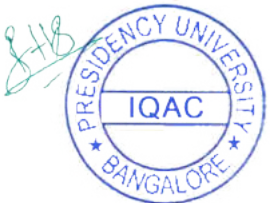
9. Lecture 8: Signal Conditioning and Processing

10. Lecture 10: Estimation of errors and Calibration



Name &Signature of the Faculty Member

Approval by Program Head



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School:School of Computer Science and Engineering and Information Science

Name of the Department: Computer Science and Engineering

Area of Specialization: Agricultural Informatics (Bio-Informatics)

Name of the Faculty Member: Dr. M Swapna, Associate Professor, CSE Department

Tile of the Value-Added Course: Agri-Informatics

Course Duration: [30 hours] [Nov22 to Dec22]

Course Code: CSEV352

Introduction to the Course:

This course includes Fundamentals, Applications of Agriculture, basics on plant genomics, plant image classification. The associated laboratory is designed to implement basic machine learning application using python. The image processing, image analysis techniques and concepts on agricultural applications using machine and deep learning techniques.

Prerequisites: python Basics.

Course Outcomes: On successful completion of the course the students shall be able to:

01: Understand the concepts of plant cell biology and plant genomics.

02: Brief idea about implementation of machine and deep learning application with practical(python) knowledge.

03: Learn Image classification using plant real-world examples.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction to Plant Cell and Plant Biology [7 Hours]

1. The Cell: The Basic Unit of Life
2. Protein Synthesis

Module 2: Processing of Biological Sequences using python [10 hours]

1. Biological Sequences: Representations and Basic Algorithms
2. Transcription and Reverse Complement
3. Translation
4. Processing Sequences with Bio Python

Module 2: Finding Patterns in Sequences [10 hours]

1. Importance of finding pattern in finding pattern matching
2. Naïve algorithm for fixed pattern Findings
3. Heuristic Algorithm: Boyer-Moore

Module 3: Agricultural Machine Learning [13 hours]

1. Basic Machine Learning Application
2. Plant Image classification application using python

Reference:

1. Bioinformatics Algorithms Design and Implementation in Python, Miguel Rocha, Pedro G.Ferreira.
2. The Role of Bioinformatics in Agriculture, Santhosh Kumar

M Swapna

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Data Analytics

Name of the Faculty Member: Mrs.Kalpana.K, Asst. Professor, CSE

Tile of the Value Added Course: Ethics for Data Analytics

Course Duration: [30 hours] [From 30/01/23 to 16/02/ 22]

Course Code: CSEV353

Introduction to the Course:

This course intend to provide an practical understanding of computer science engineering concepts for better life long learnig. The awareness that data science and its algorithms have an increased and fundamental impact on society is vivid around the world. There are ongoing or starting discussions in many countries and organisations in legal and political context, actually too many to cite. Instead, we refer to any search in news portals, social media and internet with terms as algorithm, impact, society

Prerequisites: Basics understand of problem Solving, programming skils, Analytical tools, Statics, Hadoop Technologies, etc.

Course Outcomes: On successful completion of the course the students shall be able to :

01: Develop relevant programming abilities

02: Demonstrate proficiency with statistical analysis of data.

03 Develop the ability to build and assess data-based models

04. Execute statistical analyses with professional statistical software

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Topics covered

Module 1: Data Analytics: Understanding Customers [12 Hours]

Discussion on Data gathering, preparation, and exploration. data representation and transformation, computing with data, data modeling, data visualization and presentation, science about data science

Module 2: Ethical issues in data science [10 hours]

The awareness that data science and its algorithms have an increased and fundamental impact on society is vivid around the world. There are ongoing or starting discussions in many countries and organisations in legal and political context, actually too many to cite. Instead, we refer to any search in news portals, social media and internet with terms as algorithm, impact, society

Module 3: Guidance for data science [5 hours]

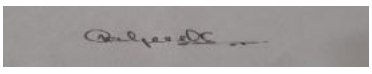
The guidance for digital technologies in media in general is loud and all across the globe, leading to various initiatives and groups engaging in discussions around ethical rules for developing and implementing those technologies.

Reference:

1. https://in.coursera.org/professional-certificates/google-data-analytics
2. https://www.iare.ac.in/sites/default/files/lecture_notes/APA%20Lecture%20notes.pdf
3. https://www.udemy.com/topic/data-analysis/
4. https://grow.google/intl/en_in/data-analytics-course/

Name & Signature of the Faculty Member

Mrs.Kalpana.K



Approval by Program Head

Dr.Shanmugarathinam.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: MEDICAL IMAGE COMPRESSION

Name of the Faculty Member: Ms. Swathi Pai M, Assistant Professor, CSE

Tile of the Value Added Course: Data Compression

Course Duration: [30 hours] [From Jan 23 to Feb 23]

Course Code: CSEV354

Introduction to the Course:

The course provides an overview of classical and modern techniques and algorithms of various types data compression. It coversstatistical and dictionary methods, lossless and lossy compression algorithms in graphics, video and audio compression

Prerequisites: Digital image processing, UG mathematics, vectors, basic programming skills

Course Outcomes: On successful completion of the course the students shall be able to :

01: define compression; understand compression as an example of representation;

02: understand the idea of lossless and lossy compression;

03: understand the most common file formats for image, sound and video;

04: distinguish the basic techniques of lossless compression

Course Content

Module I: Information theoretic foundations [12 Hours]

Compression techniques; Modeling and coding. Mathematical preliminaries for lossless compression: Overview; Basic concepts of Information Theory; M odels; Coding; Algorithmic information theory; Minimum description length principle. Physical models , Probability models , Markov models , composite source model ,Coding: uniquely decodable codes , Prefix codes

Module II: Arithmetic coding [10 hours]

The Huffman coding algorithm, Minimum variance Huffman codes; Application of Huffman coding for text compression. Adaptive Huffman coding: Update procedure , Encoding procedure

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

, Decoding procedure. Golomb codes , Rice codes , Tunstall codes, Applications of Hoffman coding: Loss less image compression , Text compression , Audio Compression.

Module III : Loss Less Coding [5 hours]

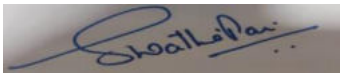
Coding a sequence , Generating a binary code , Comparison of Binary and Huffman coding, Applications: Bi-level image compression-The JBIG standard ,Dictionary Techniques: Introduction , Static Dictionary: Diagram Coding , AdaptiveDictionary. the LZ77 Approach,Applications: File Compression-UNIX compress , Image Compression: The Graphics Interchange Format (GIF) , Compression over Modems: V.42 bits , Predictive Coding: Prediction with Partial match (ppm): The basic algorithm , The ESCAPE SYMBOL , length of context , The Exclusion Principle , The Burrows-Wheeler Transform: Moveto-front coding , CALIC , JPEG-LS , Multi-resolution Approaches , Facsimile Encoding , Dynamic Markoy Compression

Text

- **Sayood, Khalid, Introduction to Data Compression, 3rd Edition, Morgan Kaufmann, 2006.**

References

- **Anderson, J.B. and Mohan, S., Source and Channel Coding, Kluwer, 1991.**
- **Gersho, A. and Gray, R.M., Vector Quantization and Signal Compression, Kluwer, 1992.**
- **Netravali, A.N., Digital Pictures, Representation and Compression, Plenum, 1989.**



Name &Signature of the Faculty Member

Associate Dean

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Big Data Analytics

Name of the Faculty Member: Mr. Gnanakumar G, Assistant Professor, CSE

Tile of the Value Added Course: Introduction to Scala Programming

Course Duration: [30 hours] [From Nov 22 to Dec 22]

Course Code: CSEV355

Introduction to the Course:

Scala is a general-purpose, high-level, multi-paradigm programming language. It is a pure object-oriented programming language which also provides the support to the functional programming approach. There is no concept of primitive data as everything is an object in Scala. It is designed to express the general programming patterns in a refined, concise, and type-safe way. Scala programs can convert to bytecodes and can run on the JVM(Java Virtual Machine). Scala stands for Scalable language. It also provides the Javascript runtimes. Scala is highly influenced by Java and some other programming languages like Lisp, Haskell, Pizza, etc.

Prerequisites: Basics understand of problem Solving, programming skils, Data Structure.

Course Outcomes: On successful completion of the course the students shall be able to :

01: To build software development skills using scala programming for real-world applications.

02: Demonstrate basic and advanced concepts of scala programs

03: To understand and apply the concepts of Classes, Inheritance, Abstract class, Exception handling and Collections in real-world applications.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction to Scala Programming **[12 Hours]**

1. Introduction
2. History and Features
3. Variable and Data Types
4. Conditional Expressions
5. Pattern Matching
6. While Loop
7. For Loop
8. Break statements and comments
9. Functions

Module 2: Scala OOPs Concepts **[12 hours]**

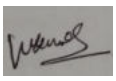
1. Object and Classes
2. Constructors
3. Method Overloading
4. This keyword
5. Inheritance
6. Method Overriding
7. Field Overriding
8. Final
9. Abstract class

Module 3: Scala Exceptions and Collections **[8 hours]**

1. Exception Handling
2. Try Catch Block
3. Finally Block
4. Throw and Throws keyword
5. Custom Exception
6. Collections – Set, List, Queue, Maps, HashMap & ListMap

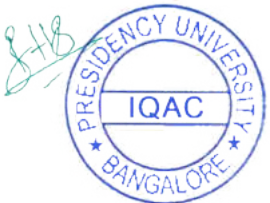
Reference:

1. The Scala Programming Language (scala-lang.org)
2. https://www.javatpoint.com/scala-tutorial



Name &Signature of the Faculty Member
Mr. Gnanakumar G

Approval by Program Head



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Web Designing

Name of the Faculty Member: Mr.Muthuraju V, CSE

Tile of the Value Added Course: Fun with Java script Gaming

Course Duration: [30 hours] [From Jan 15 to Feb 15]

Course Code: CSEV361

Introduction to the Course :

This course intend to provide an practical understanding of computer science engineering concepts for better life long learnig. The course will use a "learn by doing" approach. Each student wil learn the basics of java script and use the concepts to create a simple games using java script, HTML and CSS only.

At the end of this course students will be able to create simple java script games that can be hosted on websites and made available to outer world.

Prerequisites : Basic understanding of HTML, CSS.

Course Outcomes: On successful completion of the course the students shall be able to **:**

C01: Enhance Problem solving and programming skils by performing virtual experiments on virtual labs

C02: Demonstrate basic concepts of java script.

C03: Apply basic concepts of java script to create simple games

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Basics of Java Script and Java Script Objects **[10 Hours]**

Topics covered

1. Introduction to client side scripting, JavaScript Basics
2. General Syntax – Primitives, Operation, Expressions
3. Screen Input & Keyboard Output
4. JavaScript Objects
5. Functions
6. JavaScript Objects: String, Math
7. JavaScript Objects: Date, Arrays
8. JavaScript Objects: Window, Document

Module 2: Java Script Objects **[12 hours]**

Topics covered

1. DOM – Introduction
2. Creating DOM Elements
3. Accessing & Modifying DOM
4. Events & Event Handlers
5. Event Bubbling
6. Mouse & Keyboard Events

Module 3: Mini Project (Simple Game Design) **[08 hours]**

Build a mini project using the concepts learnt

Reference:

1. **Text Book :** Programming The World Wide Web, Robert W. Sebesta
2. **Web :** https://www.w3schools.com

Muthuraju V

Name &Signature of the Faculty Member

Associate Dean

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Computer Science and Engineering

Area of Specialization: Network Security

Name of the Faculty Member: Dr. Ramesh Sengodan, CSE

Tile of the Value-Added Course: Network Security Algorithms in Distributed Systems

Course Duration: [30 hours] [Jan23 to Feb23]

Course Code: CSEV365

Introduction to the Course:

This course has been designed to enable to understand how applications communicate over the network in a secured way using algorithms. It prevents cybercriminals from gaining access to valuable data and sensitive information. When hackers get hold of such data, they can cause a variety of problems, including identity theft, stolen assets and reputational harm. Algorithms are important for both writing secure code and specific areas as others have mentioned like cryptography. This course gives a complete idea about security algorithms starting from the basics to the intermediate level. This course includes three modules such as Introduction to Network Security, Private/Symmetric key encryption algorithms, and Public/Asymmetric key encryption algorithms.

Prerequisites: Computer Networks.

Course Outcomes: On successful completion of the course the students shall be able to:

01: Brief idea about Network Security and types of algorithms.

02: Depth understanding and importance of most common type of NSA in real-life.

03: Learning and apply the algorithms in real-world examples.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content

Module 1: Introduction to Security algorithms [10 Hours]

1. Network Security Model
2. Functionality of Encryption and Decryption algorithms
3. Need for Security algorithms
4. Types of Security algorithms
5. Application of Security algorithms
6. Hashing
7. Digital Signature

Module 2: Private/Symmetric Key Encryption algorithms [10 hours]

1. DES
2. 3DES
3. AES
4. Blowfish
5. RC4
6. RC5

Module 3: Public/Asymmetric key Encryption algorithms [10 hours]

1. RSA
2. ElGamal
3. ECC
4. DH
5. DSS-DSA
6. Mathematical operations on im

Reference:

1. https://www.tutorialspoint.com/cryptography/index.htm
2. William Stallings,"Cryptography and Network Security Principle and Practice",5th edition,2011.

Name &Signature of the Faculty Member **Approval by Program Head**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School:School of Information Science

Name of the Department: Bachelor of Computer Applications

Tile of the Value Added Course: Data Visualization Using Tableau

Course Duration: 30 hours

Course Code: CSEV320

COURSE PREREQUISITES:

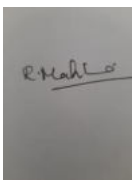
- No programming experience required.
- Interested in using data to make better business decisions.

Introduction to the Course: Data visualization skills are tremendously important in today's data driven economy. Collecting and analysing data is just one step; to communicate your results to clients or your managers, you need to present the data in a coherent and intuitive way. Charts or graphs allow the human brain to visualize and understand large amounts of complex data.

This course will teach you to use data visualization to explore and understand data, and then communicate insights in a powerful and meaningful ways.

Course Outcomes: On successful completion of the course the students shall be able to :

- Explore why visualization is so important in analytics.
- Learn about exploratory versus explanatory visualizations.
- Apply data types and ways to encode data



HOD
Dr Mahalakshmi R
Name &Signature of the Faculty Member

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management
Name of the Department: Management
Area of Specialization: FINANCE
Name of the Faculty Member: Dr. ANITHA.S.YADAV
Title of the Value Added Course: Fireless Cooking

Course Duration: [30 hours] [Nov 2022]

Course Code: SOMV035

Introduction :

Cooking is an art. In today's fast paced target driven corporate life with unscheduled working hours and eating habits, it becomes essential for future managers to have some basic knowledge and skills of preparing safe and good food for themselves. The objective of course is to equip managers with quick and hassle-free fireless cooking skills. This course will encourage the future managers to think out of the box and help solve day to day problems. The course provides hands-on experience and will assist bringing in creativity to various task assigned to them from time to time.

Prerequisites of the course: None

Course Outcomes: On successful completion of the course the students shall be able to:

01. Prepare basic fruit salads
02. Prepare Veg. sandwich
03. Make dish from various sprouts

Course Content:

Module1: Fruit Salads and Dry fruits Burfi

Module2: Veg Sandwich

Module3: Sprouts and its health benefits.

PRESIDENCY UNIVERSITY IQAC BANGALORE

Approval by the HOS.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management **Name of the Department**: MBA

Area of Specialization: Research Methods, Business Analytics, GM, HR/OB & Marketing

Name of the Faculty Member/Members: Dr.Senthilkumar Ranganathan

Tile of the Value Added Course: Yoga for Physical, Mental and Spiritual Discipline

Course Duration: [30 hours] []

Course Code: SOMV075

Introduction to the Course:

The word 'Yoga' is derived from the Sanskrit root 'Yuj', meaning 'to join' or 'to yoke' or 'to unite'. As per Yogic scriptures the practice of Yoga leads to the union of individual consciousness with that of the Universal Consciousness, indicating a perfect harmony between the mind and body, Man & Nature.

Yoga is an old discipline from India. It is both spiritual and physical. Yoga uses breathing techniques, exercise and meditation. It helps to improve health and happiness. Yoga is the Sanskrit word for union. Patanjali was a pioneer of classical yoga. He defined yoga as "the cessation of the modification of the mind" (stopping changing the mind).

A person doing yoga will move from one posture (called asana) to another. For example, the "sun-salutation" contains 12 poses of asanas, one after the other, and is said to help balance body and soul. There is a specific mantra for each asana. The "sun-salutation" is popularly known as "Suryanamaskar".

Course Outcomes: On successful completion of the course the students shall be able to :

- Understand the knowledge about the theory and practice of Yoga
- Understand the knowledge of Kriyas, Asanas, Mudras, Bandas, Pranayama and meditative postures.
- Learn the various postures of suryanamaskara for physical, mental and Spiritual discipline

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content:

Unit-I: Introduction: Yoga its Meaning and Definition.-Aim and Objectives of Yoga-Origin, history and development of yoga.-Relevance and scope of Yoga in modern age - Misconceptions about yoga and their solutions- Difference between yogic and non-yogic system of exercises.

Unit-II: Essentials of Yoga Practices-Disciplines and failures in Yogic Practices-Place & Timing of Yogic practices-Diet for Yoga Practitioner: pathya&apathy- Obstacles in the Path of Yoga Practice-Sequence for yogic practices

Unit-III: Karma Yoga, Bhakti Yoga, Jnana Yoga, Hatha yoga, Raja yoga and Mantra Yoga.

Pranayama: Nadisuddhi – Suryabhedan - Seetali - .Sitkari - Asanas:Meditative

Postures:. Sukhasana - Swastikasana - Ardhapadmasana - Padmasana - Siddhasana - Vajrasana

Relaxation postures: Shavasana - Makharasana -Matsya kridasana

Unit-IV: Suryanamaskara:. Pranamasana - Hasta uttanasana - Padahastasana - Aswasanchalanasana - Dandasana - Ashtangasana - Bhujangasana - Parvatasana

Akhila. R. Vidya

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School:School of ManagementName of the Department: Management

Area of Specialization: GeneralName of the Faculty Member: Dr.K.Thriveni Kumari

Tile of the Value Added Course: Life skills for Millennial Executives

Course Duration: [30 hours] [From July 12th to 20th August 2022]

Course Code: SOMV089

Introduction to the Course: Life Skills for Millennial Executives (LSME) is one of the finest life skills training for management students. The course is widely used as a skills training supplement in courses such as Interpersonal Relations, Organizational Behavior, Management, Human Relations, Supervision and Organizational Development. The course focuses on key life skills required to guide management students on self awareness, emotional and stress handling strategies.

Prerequisites of the course: Nil

Course Outcomes: On successful completion of the course the students shall be able to:

04. To inculcate the key life skills

05. Understand the need for life skills at workplace and business.

Course Content:

3. **Module1: Introduction to Life Skills:** Introduction to life skills, meaning and need. Role of life skills in the family, workplace and in the society. Life sills in business setting. **Practical:** case studies and role plays
4. **Module1: Self-Awareness:** Introduction to self awareness, activities to know oneself, Johari Window, SWOT analysis and role of self-awareness in relationships and career- Self awareness and a learning leader. .**Practical:** Self-awareness questionnaire, exercises

Module2: Emotions and Stress: Emotions and types, nature, process of handling emotions in self and in others and short term and long term strategies. Stress- meaning need and types, reasons for getting stressed and strategies to handle stress in relationships and at work place. **Practical:** Emotional and stress handling techniques.

REGISTRAR

Approval by the HOD.

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management
Name of the Department: Management
Area of Specialization: BUSINESS MANAGEMENT
Name of the Faculty Member: Dr. B G SAISHA
Tile of the Value Added Course: A PRACTICAL APPROACH FOR SCANNING BUSINESS ENVIRONMENT
Course Duration: [30 hours] [From Nov.10th 2022 to 31st Dec 2022]
Course Code: SOMV090

Introduction to the Course: This course is intended to enhance the knowledge of environmental scanning as a process that systematically surveys and interprets relevant data to identify external opportunities and threats that could influence future business decisions. It can be used as a part of strategic planning process. Environmental scanning needs practical approach. This course helps in deep understanding of the right approaches through latest case studies.

Environmental scanning is an important component of strategic planning as it provides information on factors that will affect the business organization in future. The information gathered will allow leadership to proactively respond to external impacts.

Prerequisites of the course: Strategic planning

Course Outcomes:

Scanning of Business Environment as a subject for managers emphasize on knowing the environment with current changing trends, problems and possible remedies.

This course helps in understanding needs to have knowledge about what business is and how it is governed by its external forces.

This course will provide a better understanding of components of external scanning that could be considered.

Course Content:

Module **1:** Purpose of business, Scope of Business, Characteristics of contemporary business, Significance of Business Environment scanning. The process of Environmental analysis.

Module 2: Technological Environment and its analysis. Status of Technology in India, Technology and Business.

Module 3: Political Environment, Parts of Indian Constitution, Economic significance of Fundamental Rights. Business responsibilities to Government and Government responsibilities to Business.

Module 4: Economic Environment, its nature, Economic factors, Growth strategy, Basic Economic systems, Rationale for globalization.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Reference

1. ASWATHAPPA, K. BUSINESS ENVIRONMENT (2019) HIMALAYA PUBLICATIONS 5TH EDITION.

2. CHERUNEELAM FRANCIS, BUSINESS ENVIRONMENT (2018) HIMALAYA PUBLICATIONS
3. PAUL JUSTIN, BUSINESS ENVIRONMENT – TEXT AND CASES, (2019) TATA McGRAW HILL

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management
Name of the Department: Management
Area of Specialization: General
Name of the Faculty Member: Dr Syed Mohammad Ghouse
Tile of the Value Added Course: Campus to corporate Course Duration: [30 hours] [From July 15to august 31st 2022]
Course Code: SOMV091

Introduction to the Course:

This course is intended Campus to corporate is the type of module for the young student's transition from their campus life to the corporate world. It is vital for the students those who are employed as skilled employees and also it will help the average employee turn into an excellent performer. Recruiters from the corporate want to select and promote students who are good at communicating and writing and other soft skills ,recruiter always have a lookout for an individual who is good at taking initiatives and responsibilities and who can work under pressure .but campus provides technical expertise on the subject but not the experience and soft skill development there is a big difference on how corporate and campus work, making students go way through transition from campus to corporate is crucial and challenging

Prerequisites of the course: Nil

Course Outcomes: On successful completion of the course the students shall be able to:

1. Recognize Difference between campus and corporate life.
2. Gain awareness of opportunities for growing themselves in corporate sector.
3. Build your capability to communicate effectively and build trust.
4. Understand corporate qualities, skills and their roles.

Course Content:

Module1: Definition- Nature of campus- Five Key Elements- Importance of studentship- Formal student and Informal student- student required skills- difference between campus and corporate

Module2: student behaviour styles: behaviour based on traits, student types based on traits style Corporate behaviour; skill set require to enter into corporate, skill set development process.

Module3: Personality and traits – Personality Profiles- Profiles of effective student- The corporate etiquette, email etiquette . team work, personal grooming, negations skills, time management.

Module4: The use of teams in organizations: Group or team, benefits of team, limitations of using teams -types of teams – every student must know the campus and corporate operates at different scales and mechanisms .one must go through campus and corporate transition to develop the knowledge and skill required to fit perfectly in the corporate world

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Approval by the HOD

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: Marketing

Name of the Faculty Member: Dr. Mohamad Imrozuddin

Tile of the Value Added Course: Personality Development

Course Duration: [30 hours] [From November 10 to December 15, 2022]

Course Code: SOMV093

Introduction to the Course: The chances of being noticed increase by several folds, if you possess a good Personality. The first impression on the person in front of you is always good if you have an attractive personality. Personality is an important attribute in one 's life not only for success in professional life, but also determines your overall behaviour and attitude of the individual. If you aim to take your personality to a new height this certificate course in Personality Development and self-grooming will be of great help.

Prerequisites of the course: Establish a pre-transformation mind-set, Life-long Learning, create a lasting change

Course Outcomes: On successful completion of the course the students shall be able to:

1. The student will be able to understand, analyse develop and exhibit accurate sense of self.
2. Think critically.
3. Demonstrate knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment.
4. Learn to balance confidence with humility and overcome problems associated with personality

Course Content:

Module 1: Introduction to Personality Development **12 Hours**

Personality traits and theories, Self-Image and Self-Concept, Dressing Sense and Table Mannerisms, Diet, Exercise and Mental Health, Body Language. Understanding oneself is extremely important because it's our behaviour that through which the world sees us and understand us thus, this module aims to provide an insight into individual's personality and how to maintain and carry oneself through the understanding of self.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Module 2: Self-Grooming **9 Hours**

Self-Grooming: Group Dynamics, Team Building, Time Management, Positive Attitude, Self-esteem, Self-confidence, Assertiveness, Motivation Self grooming being an essential aspect of personality holds due importance. The above module emphasizes on creating positive attitude, confidence and mental ability to handle situations for constructive learning.

Module 3: Social and Corporate Etiquettes **9 Hours**

Social and Corporate Etiquettes: Interpersonal Relations, Communication in organizations, Personal Branding, Leadership Skills, Presentation Skills, Personal skills- Stress Management, Negotiation skills, Conflict Management, Anger Management Today the corporate set up often requires incumbents to work under pressure, handling stress and to meet deadlines ensuring effective service delivery. The module emphasizes on developing negotiation skills, self-presentation, creating a brand for self, stress management etc. as incumbents are required to work with groups from different disciplines, backgrounds, and expertise to accomplish organisational goals.

Reference Books:

1. The Art of Personal Grooming-Book by Bramara Shivanna.
2. Etiquette book by Cecil B. Hartley.

Journals & Internet references:

1. https://www-emerald-com-presiuniv.knimbus.com/insight/content/doi/10.1108/eb003997/full/html - Personality
2. https://www.cambridge.org/core/books/abs/identity-and-emotion/cognitiveemotional-selforganization-in-personality-development-and-personal-identity/23A379768DA41C0E16FB92B8994A0436# - Self Grooming

https://presiuniv.knimbus.com/openFullText.html?DP=https://www.gutenberg.org/ebooks/51887 - Etiquette

Akhila. R. Valeja

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management **Name of the Department: Management**

Area of Specialization: General **Name of the Faculty Member: Dr.Ramesh.M**

Tile of the Value-Added Course: SOCIAL CONNECT AWARENESS **Course Duration: [10-15 hours]**

Course Code: VAC

Introduction to the Course: The course will introduce social context and various players in the social space, and present approaches to discovering and understanding social needs. Social immersion and inspiring conversional will culminate in developing an actual, idea for problem-based intervention, based on an in-depth understanding of a key social problem.

Course Outcomes: On successful completion of the course the students shall be able to:

1. Understand social responsibility
2. **Practice sustainability and creativity**
3. Showcase planning and organizational skillsCourse

Content:

Module 1 Plantation and adoption of a tree: Plantation of a tree that will be adopted for TWOyears by an Individual or group of MBA students. They will also make an excerpt either as a documentary or a photoblog describing the plant's origin, its usage in daily life, and its appearance in folklore and literature.

Module 2 : Heritage walk and crafts corner: Heritage tour, knowing the history and culture of the city, connecting to people around through their history, knowing the city and its craftsman,photoblog and documentary on evolution and practice of various craft forms.

Food Walk City's culinary practices, food lore, and indigenous materials of the region used in cooking. Activitie

Module 3 : Organic farming and waste management: usefulness of organic farming, wet waste anagement in neighboring villages, and implementation in the campu

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Module 4 : Water Conservation: knowing the present practices in the surrounding villages and implementation in the campus, documentary or photo blog presenting the current practices.

Activities Jamming session, open mic, and poetry: Platform to connect to others. Share thestories with others. Share the experience of Social Connect. Exhibit the talent like playing instruments, singing, one-act play, art-painting, and fine art.

PEDAGOGY The pedagogy will include interactive lectures, inspiring guest talks, field visits, social immersion, and a course project. Applying and synthesizing information from these sources to define the social problem to address and take up the solution as the course project,with your group. Social immersionwith NGOs/social sections will be a key part of the course.
Will all lead to the course project that will address the needs of the social sector?

Prescribed Books:

V. Rajasenan, (2010). Life Skills, Personality and Leadership, Rajiv Gandhi National Institute of YouthDevelopment, Tamil Nadu.

2. A. Radhakrishnan, (2010). Life Skills Training for Positive Behaviour, Rajiv Gandhi National Institute ofYouth Development, Tamil Nadu.

References:

1. Dakar Framework for Action, (2000). Education for All: Meeting our Collective Commitments, Dakar,Senegal.

2. Life Skills Resource Manual, Schools Total Health Program, (2006). Health Education and PromotionInternational Inc., Chennai.

3. Kumar .J. Keval, (2008).Mass Communication in India, JAICO Publication India Pvt. Ltd

4. YUVA School Life Skills Programme: Handbook for Teachers, Vol. I – IV, (2008), Department ofEducation and State Council of Educational Research and Training, Delhi.

Web Sites:

1. UNESCO – http://www.unesco.org/

2. UNFPA - http://www.unfpa.org/

Journal:

1. Indian Journal of Life Skills Education, Rajiv Gandhi National Institute of Youth Development, Tamil Nadu.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Approval by the HOD

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: General

Name of the Faculty Member: Dr. R. Magesh Kumar

Tile of the Value Added Course: Applied econometric modeling on finance (E views)

Course Duration: [30 hours] [From Nov 2022 to 31st Dec 2022]

Course Code: SOMV099

Introduction to the Course:

The main aim of this course is to provide students with information and analysis on the cutting edge of statistics and econometrics related to finance. It focuses on finance topics that utilize econometrics principles to do financial modelling and forecasting. The course uses stock prices, gold and silver prices, other commodities, future and spot market prices, and certain macroeconomics data sets to make familiar with real world applications using E views.

Prerequisites of the course: Nil

Course Outcomes:

On successful completion of the course the students shall be able to:

01) Understand the various modelling techniques

02) Demonstrate using E views to do financial modelling and forecasting

03) Apply the time series econometric techniques for financial analysis and in financial market research

Course Content:

Unit 1: Introduction

A brief introduction to EViews, including a guide to finding your way around the EViews interface. An introduction to the Work file, EViews' main data file format, including how to create new, empty work files, and how to import data from other sources into your EViews work file.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Unit 2: Samples and Creating a series/groups

Samples are an important part of EViews, and allow you to easily work with different parts of your data. You will learn how to use EViews' deep understanding of time frequencies to easily select different date ranges to work with, or, if you are using cross-sectional data, pick different categories or cross-sections.

The Series object is the most fundamental object in EViews - they are the objects that contain your data. The Group object, which is simply a collection of Series objects, is also explained. Data handling/File management - Descriptive Statistics, Empirical distributions - Logics, dummy variables Tables, Cross Tabulations - Graphs and presentations of data

Unit 3: Data Modelling

Linear and multiple Regressions, diagnostics- forecasting - Generalized Least Squares-Binary dependent variable models – Probit and logit models - Basics of time series models- Correlograms, AR and ARMA Models

Unit 4: Advance Modelling Techniques

Conditional Heteroscedasticity Models- ARCH, GARCH - Multivariate GARCH models, Dynamic Conditional Correlation model - Unit Root and Co-Integration analysis - VAR and Error Correction models

Akhila. R. Udaya

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management
Name of the Department: Management
Area of Specialization: Management
Name of the Faculty Member: Dr. Y.Narasimha Raja
Tile of the Value Added Course: Highly Effective Public Speaking Skills
Course Duration: [30 hours]
Course Code: SOMV105

Introduction to the Course:

This course is intended to enhance the skills of students in the areas self help. There is no shortcut to an Impart the great speech. Public speaking is not having simple talk or reading the speech in front of an audience. "Public speaking is a systematic process, an act and an art of making a speech before an audience". The appropriate use of public speaking effectively is actually tougher than anticipated, mostly in front of an audience.

Effective public speaking will improve through practice and hard work. Public speaking is a unique skill. To learn public speaking skills, age has no limit, education is not a boundary, gender is not important, your qualification may not require, there is no differentiation between rich and poor to inculcate these skills and practices. Public speaking is the most important skill to have in all phases of life. Public speaking is applicable to all occupations, professions, and vocations. There is a myth that few people think that it will be applicable and restricted to only business professionals.

Public speaking is an exexpert skill that will apply and transform our every day. It opens nopensays to improve ourselves. It permits you to inhale new life into your thoughts and spread them to a more extensive audience. If your Idea is transformed to the audience, now it belongs to the individuals who can do the knowledge transformation to other people, in this way sharing the knowledge, ideas, and thoughts further

Prerequisites of the course: Nil

Course Outcomes: On successful completion of the course the students shall be able to:

- Effective Public Speaker
- No Stage Fear
- Effective Communicator
- Personality Development

Course Content:

Module -1 Overview of Public Speaking skills

What is Public Speaking, Importance of Public Speaking Skills, Benefits of Public speaking skills

Module -II Public Speaking skills Principles

Public Speaking skills Principles :-

REGISTRAR

Five Canons of Rhetoric" that the process of public speaking preparation consists of five main steps: 1.Invention 2. Arrangement. 3.Style, 4.Memory, 5. Delivery

Module-III 80 Modern skills to be Highly effective Public Speaker

1. Recognize who you are? In addition, what your strengths are.
2. Have self confidence, Learn about various kinds of public speaking and how to deliver a better speech.
3. Understand the similarities between Public Speaking & Conversation
4. Understand the distinctions between Public Speaking & Conversation
5. Organize the framework of your speech
6. Use of Language in an Appropriate Manner
7. Practice PREP framework.Monroe's Motivated Sequence
8. Attention
9. Create a Need of your speech
10. Justify the need of Speech
11. Visualize the future
12. Call for Action
13. The objectives to prepare the speech
14. Nervousness is Normal.
15. Practice and Prepare!
16. Voice modulation
17. Audience Relations
18. Improve your Language
19. Select a speech theme
20. Sincerity, Enthusiasm, Confidence, Simplicity (SECS)
21. Make a speech layout
22. Speech Writing Skills
23. Apply gestures
24. Practice
25. Be passionate & enjoy yourself.
26. Story Telling
27. Body language
28. Professional appearance
29. Speech Pace
30. Pitch
31. Core message
32. Composing for Impact the speech to the audience.
33. Prompt Communication
34. SMART Speech Preparation
35. Time Management
36. Eliminate filler words.
37. Take every opportunity to speak.
38. Mentally prepare.
39. Attend Other Presentations.
40. Knowledge

41. The context of your presentation
42. Three S -Stand. Settle. Smile.
43. Prepare in bullet form.
44. Concentration on Speech
45. Simple and clarity speech
46. Momentum for Continuity
47. Uniqueness in speech
48. Speech Impact
49. Monotone speeches should be avoided.
50. Do not hide from your audience.
51. Negative topics should avoided.
52. Speak about your requirements
53. Audio record will improve your speech
54. Reciprocity between the speaker &the audience
55. Speech consistency across time
56. Speaker with likable personality
57. Communication through Consensus
58. Learn how to learn?
59. Positivity is the direction for growth
60. Self-Recording videos
61. Stop taking things personally right away
62. Ask thought-provoking question to your audience.
63. Fluency in Language / speech
64. Create a framework.
65. Make changes to your speech
66. Taking a closer review of words
67. Assessment of audience feedback
68. Know the 8 errors of
69. Public Speaking and overcome
70. Allow yourself some time.
71. Take it slowly & sturdily
72. To prevent disappointment, arrive early.
73. Relax
74. Keep your notes in check.
75. Make sure you learn from your mistakes.
76. Include Humour in speech
77. Self-concept
78. Make use of common language.
79. Learn how to conclude a speech.
80. Additional key features

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Approval by the HOD.

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management **Name of the Department: Management**

Area of Specialization: General **Name of the Faculty Member: Dr Samudyuti Ray**

Title of the Value Added Course**: Art of positive thinking**

Course Duration: [30 hours] [From April 11 to 31st May 2022]

Course Code: SOMV107

Introduction to the Course: Thinking plays a vital role in our day-to day life. Whatever work we do it is generated from thinking. There exists both positive and negative thinking. Mainly, positive thinking denotes approach towards life with a positive outlook. It does not suggest to avoid bad phases of life but suggest to collect best experiences from the bad situation. Through positive thinking individual can face unseen challenges and uncertainties of life and become successful. Also, it helps in building the attitude of seeing best in others and viewing self with positive outlook. Positive thinking helps in development of positive emotion. The purpose of this course is to help in learning the art of positive thinking which will help in having inner peace and balance in life due to positive mindset.

Prerequisites of the course: Nil

Course Outcomes: On successful completion of the course the students shall be able to:

6. Change mindset and attitude for betterment
7. Become optimistic and confident in nature
8. Understand the link between positive thinking and happiness

Course Content:

8. **Module1: Introduction to positive thinking**
9. **Module2: Methods of positive thinking**

Module 3: Importance of positive thinking leading to happiness.

PRESIDENCY UNIVERSITY IQAC BANGALORE

Approval by the HOD

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: General Management

Name of the Faculty Member: Dr. Praveen Mustoor

Tile of the Value-Added Course: Event Management

Course Duration: [30 hours] [From Nov 10 to 15th Dec 2022]

Course Code: SOMV109

Introduction to the Course: Event Management is a course meant for candidates who wish to take up Event management as their career or join an event management company. The course aims at developing event management skills and essentials of planning and implementing events for various types of events small and big. The course includes Strategic planning, organizing, budgeting and controlling all aspects of events.

The Course takes you through the types, characteristics, advantages and scope of events, and the opportunities in the event industry based on the diversity of events. Social (weddings, festivals, personal events etc); Cultural events (Fairs, Sports; Rural) Managed events like Promotional campaigns or Activations, Digital etc. Government events and many more….. Entrepreneurial competencies for an event organizer are covered in this Course along with the necessary soft skills and other skills, to fulfil the requirements for delivering a successful event. The Course provides knowledge on how to establish and run the events business and takes you through the process of business opportunity assessment and developing a good business plan.

Prerequisites of the course: Organizational , Leadership and Entrepreneurship Skills

Course Outcomes: On successful completion of the course the students shall be able to:

01. Plan any type of event

02. Arrange all the resources required for implementing any event

03. Understand the requirement of a client

04. Evaluate the success or failure of an event

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content:

Unit I: Event: Introduction, Meaning, Principles, 5C's of Event Management, Types (Social, Cultural and Corporate), Scope of Events, Characteristics of Events. (6 hours)

Unit II: Event Planning and Risk Management: Concept and designing, Feasibility Study, Understanding Risk involved in each category of events, Basics of Safety, Security and Rescue. Permits and Licenses for Events, Contracts & Agreements (8 hours)

Unit III: Event Supplies and Logistics: Checklist of material, Types, Category & List of Equipment, Buying, Hiring, Storing and Transportation, Role of Logistic Manager. Archiving events, Advantages, Importance, Limitations. (8 hours)

Unit IV: Corporate Event Management: Role and Responsibilities of Event Manager, Staffing & Team management, Crowd management, Pre and Post Event arrangements. Secretarial Practices.
(8 hours)

Reference: Text Books

1) Event Management, By Annie Stephen and Hariharan, Himalaya Publishing.

2) Events Management: An Integrated and Practical Approach, 1 st Edition By Razaq Raj, Paul Walters and Tahir Rashid

Akhila. R. Udaya

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: Life Skills

Name of the Faculty Member: Dr. Aurobindo Kiriyakere

Tile of the "Value Added Course": Essential Life Skills for Success

Course Duration: [30 hours] [From Nov, 10th to 15st Dec, 2022]

Course Code: SOMV110

Introduction to the Course: This course is intended to enhance the students' life skills for professional and personal success. Emphasis will be on the students to enhance their life skills which can help them grow in their professional life.

Prerequisites of the course: Basic Communication Skills

Course Outcomes: On successful completion of the course the students shall be able to:

CO1: Demonstrate their own potential in applying the knowledge of lifelong learning to become well rounded corporate professionals

CO2: Illustrate the knowledge and inputs from this course to build their own personal brand

CO3: Demonstrate the knowledge of mindsets and improve their own mindsets to become well rounded corporate professionals

CO4: Compare and demonstrate the impact of how digital reputation can affect their careers in the professional life

CO5: Demonstrate various methodologies learned to enhance and leverage their personal growth and development

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content:

1. **Module1: Develop Habits for Lifelong Learning:** Understand the importance of lifelong learning. Developing and cultivating habits for lifelong learning: Seeking new experiences, developing a passion, embracing change. Usage of tools like: Time Management, setting SMART goals, staying motivated. Introduction to 7 Habits of Highly Effective People applied to Lifelong Learning.

2. **Module2: Establish Your Personal Brand:** Introduction to personal branding: what is personal branding and its significance. Understand the need and the roadmap to establish your personal brand. Identifying one's own strengths – and use it to help build a personal brand on the social media. Learning to leverage your LinkedIn profile as your personal brand. General best practices for creating a personal brand: Dos & Don'ts, guidelines. Harvesting the power of social media for personal branding: Tools and processes

3. **Module3: Growth Mindset:** Introduction to Growth Mindset: Fixed and Growth Mindset. Why and how mindsets are important for personal and professional success. Understanding where and how mindsets originate. How to deal with failures, setbacks, criticisms, and challenges? Guidelines and practices for developing a growth mindset: Habits to establish and sustain a healthy lifestyle (physical and psychological). Best practices for nurturing growth mindset

4. **Module4: Understand Your Digital Footprint:** Understanding the importance of the landscape of professional digital social media and digital footprints. Introduction to Netiquette: General best practices, Dos and Don'ts. Understanding the concepts of confidentiality, non-disclosure, handling sensitive corporate information, digital security policies. Learn how to deal with Personal and Sensitive Personal Information: How to protect your digital identity and digital reputation: General best practices to protect your digital identity against cyber-crimes, scams, and frauds. Learn to differentiate between various postings on the social media: Expressing oneself professionally, empathy in the digital world. Understand how your views on the social media can be used for employment verification and background checks. How to create an impressive LinkedIn and Facebook profile for professional networking purposes. Understand the advantages of being active on various platforms on the internet for professional benefit.

PRESIDENCY UNIVERSITY ★ IQAC ★ BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY ★ Registrar ★ BANGALORE

5. **Module5: Manage your Personal and Professional Growth:** Introduction to managing personal and professional growth and development. Why and how to manage your personal and professional growth: tools, techniques, processes like personal SWOT, self-understanding, self-discipline. Personal audit, laws of personal boundaries, prioritization, development plans, and Deep Work Concepts of personal integrity and responsibility. Enhancing personal and professional learnings: sources and self-investment. Understanding to leverage the learnings on personal and professional growth and development.

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School	**:School of Management**
Name of the Department	**: Management**
Area of Specialization	**: Finance**
Name of the Faculty Member	**:Dr. Y. Venkata Rangaiah**
Title of the Value-Added Course	**: SAP- Fi/Co implementation Guide**
Course Duration	**: [30 hours] [From November 11 to 15th Feb2023]**
Course Code	**:** SOMV112

Course Overview:

1. **Basic Setting of the organization into sap**
2. **General Ledger**
3. **Account Payable**
4. **Account Receivable**

Prerequisites of the course: Accounting

Course Outcomes: On successful completion of the course the students shall be able to:

09. Students can Customize and Configured Organization structure into SAP System
10. Students can post the General Ledger transaction in to SAP System
11. Students can configure and post Account Receivable and Payable transactions

Course Content:

10. Basic Setting for Financial: Define Company, Define company code , Assign company code to company, Define segments, Maintain Chart of Accounts, Assign Company code to chart of accounts, Define Account Groups,Define retained earning account, Define fiscal year, Assign company code to fiscal year variant, Define variant for open posting periods, Assign variant to company code, Authorization Group, Document types and Number ranges, Define field status variant, Assign company code to field status variant, Define tolerance group for general ledger accounts, Define tolerance group for employee, Assign country to calculation procedure, Maintain controlling area, Profit centre group, Classify GL Accounts for document splitting , Leading ledger

11. General Ledger- GL master creation, Sample document, Park document, Hold document, Interest calculation, foreign currency revaluation, End user, Month end and year end activities.

12. Accounts Payable: Creation of Vendor account Group, Creation of number ranges for vender accounts, Assign number ranges to vendor account groups. Define

REGISTRAR

tolerance group for vendors, Creation of General Ledger master, Creation of General ledger master, Document types and number ranges, posting keys, APP.

13. **Account Receivables: Creation of Customer account Group, Creation of number rages for customer accounts, Assign number ranges to account groups, Creation of GL master, Creation Customer master, Document types and number ranges, posting keys, Dunning procedure.**

Reference

1. Bhushan J Mamtani : SAP FICO Covers SAP ECC 6.0 Black Book Dream Tech Press, India

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management Name of the Department: Management

Area of Specialization: General Name of the Faculty Member: Dr N Srikanth Reddy

Title of the Value Added Course: Data Visualization for Visual Analytics and Dashboards

Course Duration: [30 hours] [From 10th November 2022 till 15th December 2022]

Course Code: SOMV113

Introduction to the Course: As a Business Analyst, one should spend his time mastering the tools of visualization, for which, a right approach is required to master visualization. This course is intended to enhance the understanding of visualization by bringing in different perspectives, which integrates representation, appeal, and communication. At the end of the course, the students would not only be able to choose the right visual for their data but also will appreciate the wow factor of visualization. The hands-on approach will ensure that the student can immediately put what is learnt into practice.

Prerequisites of the course: Nil

Course Outcomes: On successful completion of the course the students shall be able to:

01. Choose visualization appropriate for the context within given constrains
02. Understand and choosing the right tools for visualization
03. Integrate storytelling with visual analytics and Dashboards
04. Course Content:

Module 1 : Understanding the dimensions of a visual, Understanding data and visual representation, choosing the right visual, avoiding the pitfalls of wrong visual, ethics in visual representation

Module 2 : Popular tools for data visualization, understanding the choice of tool, using the tools and guidelines to mastery.

Module 3: Storytelling, Visual Analytics and Dashboards

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Approval by the HOD.

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: Finance

Name of the Faculty Member: Dr. Prema Sankaran

Tile of the Value Added Course: Understanding the basics of an annual report

Course Duration: [30 hours] [From 15th November to 31st December 2022]

Course Code:

Introduction to the Course: This course is intended to enhance the experiential learning about company's operations and financial conditions so that current and potential shareholders can make informed decisions about investing in it. The financial statement documents help to understand the financial health and status of a company.

Prerequisites of the course: NIL

Course Outcomes: On successful completion of the course the students shall be able to:

12. **Understand the type of information contained in an annual report**
13. **Analyse and Interpret financial Statements**
14. **Understand the company principles and policies in preparing the annual report and financial statements.**

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

Course Content:

14. **Module1: Management Discussion and analysis:** overview of the company's activities – company's performance over the course of the year- general business environment.
15. **Module2: Financial documents and statements:** balance sheets, cash flow statements, income statements, and equity statements- balance sheets, cash flow statements, income statements, and equity statements.
16. **Module3: Auditor's Report:** Accounting principles-GAAP -accounting policies

Reference

1. Corporate Annual Reports

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: General Management

Name of the Faculty Member: Dr. Shaik Fakruddin Ali Ahmed

Tile of the Value-Added Course: NGO Management

Course Duration: [30 hours] [From Nov 10 to 15th Dec 2022]

Course Code: SOMV115

Introduction to the Course: NGO Management is a course meant for candidates who wish to take up social work as their career or join a non-government organization (NGO). The course trains an aspirant for a career which includes working for upliftment of the under privileged and in areas like environment, health, education, social services and community development. The course includes Sustainable Development, Strategic Management and Planning, Operational Planning, Communication, Leadership, Fundraising and Project Management. It focuses on the organization's goals and objectives, their execution, supervision.

Prerequisites of the course: Basic Project Management Skills

Course Outcomes: On successful completion of the course the students shall be able to:

15. **Project management Dimensions, Planning and its implementation,**
16. **Testify for the attainment of a socio-cultural perspective**
17. **aware of environmental factors and global Issues.**

Course Content:

17. **Unit I**: **Foundation of management and NGO'S understanding:** Management: Meaning, Definition, Concepts, Objectives and Functions- NGO's: Meaning, Definition, Concepts, Types, Functions, Approaches and Models - Vision, Mission and Goals in NGOs - Role of NGOs in Community Development.
18. **UNIT – II Legal Frame Work For Establishing Ngo's**

Legal - rational structure of Non-profits: Trusts and Societies with Special reference to Trust and Society Registration Acts- Foreign contributions and Regulation Act (FCRA) - Statutory Obligations- Income Tax Exemption (80-G, 12-A, & 35AC): Rules and Regulation - Resource Mobilization: Methods and Techniques of Fund Raising - International, National and Local Levels.

19. **Unit -III: Human Resource Management in NGO's and CSR Activities**

Leadership in the NGO's Context – Practice of Human resources Management in NGO's - Human resources management and role of creating change agents – Staffing, recruiting, induction and training- CSR Activities: Definition, concepts and need - Concentration areas of CSR - Role of social workers in CSR- National and International CSR activities: TVS, Infosys and Tata.

20. **Unit IV: Project Management**: Concept, Definition, Objectives, principles, Scopes, Importance and Methodology - Micro and Macro Level Planning - Project Dimensions: Identification – Need assessment

Reference: Text Books

1) Clark John. (1991). Voluntary Organizations: Their Contribution to Development. London: Earth Scan.

2) Jain R.B. (1995). NGO's in Development Perspective. New Delhi: Vivek Prakasan

3) Sakararan and Rodrigues. (1983). Handbook for the Management of Voluntary Organization. Madras: Alfa

PRESIDENCY UNIVERSITY IQAC BANGALORE

Approval by the HOD.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Management

Name of the Department: Management

Area of Specialization: Soft Skills

Name of the Faculty Member: Dr Virupaksha Goud

Tile of the Value-Added Course: Effective Reading, Writing and Listening Skills.

Course Duration: [30 hours] [From Nov 10th to 15th Dec 2022]

Course Code: SOMV116

Introduction to the Course: reading skills helps the student to improve proficiency with reading comprehension and study skills necessary for successful college reading. Writing skills helps the students to improve proficiency with different methods and purpose of writing. Exam writing skills help the student excel in exams.

Prerequisites of the course: Basic knowledge on Reading, writing and Listening skills

Course Outcomes: On successful completion of the course the students shall be able to:

01. Compose a variety of texts that demonstrate reading comprehension, clear focus, logical development of ideas, and use of appropriate language that advances the writer's purpose**.**

02. Determine and use effective rhetorical strategies for reading and writing

03. Develop and use effective reading and revision strategies to strengthen the writer's ability to compose college-level writing assignments.

Course Content:

Module 1: Effective pre-reading strategies: Identify the intended purpose and audience of the text, Identify the key information and supporting details, analyse textual information critically, adapt reading strategies according to structure of texts

Types of Reading: Scanning: skimming, Intensive Reading and Extensive Reading.

IQAC

REGISTRAR

Registrar

Common Problems in reading: issues with decoding, poor comprehension of reading skills, speed, mixed reading difficulties.

How to improve reading skills: Understanding the main idea and supporting details in written text. Identifying a writer's purpose, point of view, and intended meaning. Analysing the relationships among ideas in written material and drawing conclusions inductively and deductively from information stated or implied in text. Using critical reasoning skills to evaluate written materials.

Critical reading as a precursor to critical writing: - Note-taking, annotating, finding key points, understanding the context, identifying logical structures in argument within every paragraph and within the whole text. Organizing one's glossary of terms.

Module2: Exam writing skills: Read the instructions, choose which questions to answer, prioritize your question, write to-the-point answers, attempt all the questions, be presentable, check your answers, check how many marks are available, plan your time, plan each answer before you start writing

Module3: Effective revision strategies: Recognition versus recall, Passive revision techniques, Active revision techniques, Flashcards, Rhymes, stories or mnemonics, Sticky notes, Practice questions, Study groups, Mind maps and other notes, keeping motivated while revising

Module 4: Listening Skills: Meaning of Listening Skills? The Listening Process, Active Listening, What Makes a Good Listener, Examples of Effective Listening

Reference

1. Norman Lewis (2022) How To Read Better & Faster, Goyal Publishers; 4th Edition

2. Poorti Chourasiya (2022) How To Write Exams: Excel Your Exam Writing Skills, amazon Kindle Store

3.Kate Murphy (2021) You're Not Listening: What You're Missing and Why It Matters, Vintage Publishers.

PRESIDENCY UNIVERSITY IQAC BANGALORE

Approval by the HOD.

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School : **School of Management**

Name of the Department : **Management**

Area of Specialization : **General**

Name of the Faculty Member : **Dr. Vijaya Vardhan Manchala**

Title of the Value-Added Course : **An Introduction to Gender Mainstreaming**

Course Duration : **[30 hours] [From November 11 to 15th December 2022]**

Course Code :

Course Overview:

1. Consider the origins of gender mainstreaming, the debate within the space and what gender means to you.
2. Learn from other public servants who have used gender mainstreaming to rethink their approach to policy, using the methods and tools that they share with you.
3. Reflect on how you could apply a gender lens to your own policy area and the different gender considerations you could make to drive change within your department or agency.

Prerequisites of the course: Basic Project Skills

Course Outcomes: On successful completion of the course the students shall be able to:

18. **Students can frame the gender inclusive policies, programs, and services.**
19. **Students can build community of practices for gender mainstreaming**
20. **Students can apply intersectionality in the policy making for gender**

Learning Outcomes:

Students who want to learn how to integrate a gender perspective into policies, programs, and services. Students who want to get a grounding in what gender mainstreaming is and how they could apply some of its methods to their work.

REGISTRAR

Course Content:

21. **Module1: Introduction and Theory:** Introduction- Gender mainstreaming- Gender inequality information- Gender reflective worksheet – Vienna's methods for gender mainstreaming. Vienna's 4Rs method- Why government needs a gender data standard- Case study.
22. **Module2: Assessing and Advocating:** Assessing a gender policy- Integrate gender-based analysis- Building a policy statement-Advocating for gender mainstreaming.
23. **Module3: Building a community:** Case of Mongolia- Community of Practice- How to start and run the CoP- Building community of practice for gender mainstreaming- Intersectionality in government- Workshop

Reference

2. Manasi Sinha (2013), The Gender-Mainstreaming: Bridging Gender Inequality in India, Grin Publishing, India
3. Resource Book for Mainstreaming Gender in UN Common Programming at the country level – 2017

Akhila. R. Vidya

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)Name of the School : School of Management

Name of the Department : Management

Area of Specialization : General

Name of the Faculty Member : Dr. D.Baranikumar

Title of the Value-Added Course : E-GOVERNANCE & CYBER LAW

Course Duration : [30 hours] [From November 28 to 23th December 2022]

Course Code :

Learning Objectives:

The objective of the course is

To introduce the cyber world and cyber law in generalTo explain about the various facts of cyber crimes

To enhance the understanding of problems arising out of onlinetransactions and provoke them to findsolutions

To educate about the regulation of cyber space at national andinternational level.

Course Outcomes:

Learning Outcomes:

After completing the course, students will be familiar with

- Understanding concepts related to cyber world and cyber law in general
- Develop competitive edge on various facets of cyber crimes
- Problems arising out of online transactions andprovoke them to find solutions

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

- Intellectual property issues in the cyber space and the growth and development of the law
- Regulation of cyber space at national andinternational level.

Course Content:

Module 1: Introduction to Web Technology: Introduction, Computers and its Impact in Society, Overview of Computer and Web Technology, Need for Cyber Law, Introduction to e-governance, techniques, e-governance in India, Challenges faced, Indian theory of Public administration.

Module 2: International Cyber Law: Cyber Law - International Perspectives, International Telecommunication Union (ITU) , Asia-Pacific Economic Cooperation (APEC), Organization for Economic Co-operation and Development (OECD), World Bank, Commonwealth of Nations.

Module 3: Cyber Crimes & Legal Framework: Concepts of Cyber Crimes & Legal Framework, Cyber Crimes against Individuals, Institution and State, Hacking, Digital Forgery, CyberStalking/Harassment, Cyber Pornography,

Module 4: Dispute in Cyberspace: Dispute Resolution in Cyberspace 1.Concept of Jurisdiction 2.International Law and Jurisdictional Issues in Cyberspace. 3. Dispute Resolutions.

1. Reference

Bhansali, Information Technology Act, 2000, University Book House Pvt. Ltd., Jaipur (2003).

Satyanarayana.J, E Government: The Science of the Possible, PHI LearningPvt. Ltd., (2012)

SudhirNaib, Information Technology Act, 2005: A Handbook, OUP, NewYork,(2011)

Akila. R. Vidya

Approval by the HOD.

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Course Code: VAC22SOC002	**Course Title:** Accounts for Non accountants **Type of Course:** Value Added Course			
Version No.	1.0			
Course Pre-requisites	Nil			
Anti-requisites	None.			
Course Description	The course is conceptual in nature and is designed for students from non-accounting background to provide them basic insights about accounting practices.			
VAC Out Comes	On successful completion of the course the students shall be able to: CO1.Describe basic concepts of accounting (Knowledge) CO2.Explain formats of accounting (Comprehension)			
Course Content:				
Module 1	Introduction to Accounting	Discussion and Assignment	Discussion on preparation of resume	**15 Sessions**
Topics : Accounts meaning, importance, debit, credits, personal, nominal and real account, assets, liability				
Module 2	Introduction to Excel	Discussion, Assignment and Hands-on	Assignment on Is happiness a good thing or does it simply feel good?	**15 Sessions**
Topics : Journal, ledger, single entry, contra entry, balance sheet, profit and loss account, cash book, petty cashbook				
References **Web References:** 1. Jelsy Josheph Kuppapally, ACCOUNTING FOR MANAGERS, PHI, Delhi, 2010. 2. Paresh shah, BASIC ACCOUNTING FOR MANAGERS, Oxford, Delhi, 2007 3. Ambrish Gupta, FINANCIAL ACCOUNTING FOR MANAGEMENT, Pearson, Delhi, 2004				
The course is relevant to the development of Inter personal skills				
Catalogue prepared by	Dr. Pradeep Kumar Assistant Professor School of Commerce			

Dr. Vinay Joshi
Associate Dean – SOC

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Course Code: VAC22SOC004	**Course Title: Basics of Calligraphy** **Type of Course: Core, Theory and Practical course**			
Version No.	1.0			
Course Pre-requisites	Basic equipment of calligraphy			
Anti-requisites	--			
Course Description	This course provides guidance on the Basics of Calligraphy with focus on improving creative skills and stress reduction. Calligraphy is a visual art related to writing. It is the design and execution of lettering with a pen, ink brush, or other writing instrument. A contemporary calligraphic practice can be defined as "the art of giving form to signs in an expressive, harmonious, and skillful manner"			
Course Out Comes	At the end of the course, the student shall be able to: **CO 1:** Apply the techniques of calligraphy strokes for writing words and sentences. **(Application)** **CO 2:** Demonstrate the use of basic calligraphy in creating the Faux and fancy calligraphy fonts. **(Application)**			
Course Objective	This course is designed to improve the learner's LIFE SKILLS by using EXPERIENTIAL LEARNING Techniques of Hands-on experience.			
Course Content:				
Module 1	**Basics of Calligraphy**	**Lecture**	**Assignment**	**05 Sessions**
Calligraphy- Introduction, Holding of the Pen, Basic strokes of calligraphy, Upper-case letters, Lower-case letters, Writing words, Writing sentences in Old English Font Format.				
Module 2	**Fancy and Faux Calligraphy**	**Lecture**	**Assignment**	**05 Sessions**
Writing Fancy Fonts based on the purpose and occasion, Creating Faux Fonts and Calligraphy using Basic Writing tools.				
Targeted Application & Tools that can be used: **Microsoft PowerPoint Presentation**				
Project work/Assignment: Mention the Type of Project /Assignment proposed for this course: • Assignment: Creating Own fonts for an event's Banner or Logo at the University.				
Text Book: T1. Tofaletti, Laura. The Art of Calligraphy Letters: Creative Lettering for Beginners. Mango Media Inc., 2022. T2. Marsh, Don. Calligraphy. Penguin, 1996.				
Reference: **E-Book Collection: NA** **NPTEL Video Lecture Sessions: NA** **E-Reading/ Essential Reading/ Recommended Research Papers:** • Nornes, Abé Markus. Brushed in Light: Calligraphy in East Asian Cinema. University of Michigan Press, 2021. **PU E-Resources:** https://presiuniv.knimbus.com/user#/home				

- Glasgow, E. (2003), "An Elegant Hand: The Golden Age of American Penmanship and Calligraphy", Library Review, Vol. 52 No. 1, pp. 43-43. (https://www.emerald.com/)
- Chakrabarti, A. (Ed.). (2016). *The Bloomsbury Research Handbook of* **Indian Aesthetics and the Philosophy of Art** (Bloomsbury Research Handbooks in Asian Philosophy). London: Bloomsbury Academic. Retrieved November 25, 2022.(https://www.bloomsburycollections.com/)

Topics relevant to "LIFE SKILLS": Improvement in Creative Thinking and Stress Reduction.

Catalogue prepared by	Prof. Rajshree S

Dr. Vinay Joshi

Associate Dean – SOC

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Course Code: VAC22SOC005	**Course Title:** **Business in Metaverse** **Type of Course: Value Added Course (VAC)**			
Version No.	1.0			
Course Pre-requisites	• This course is positioned for final semester BBA 4.0 students only • Knowledge of digital marketing • Usage of various types of social media website			
Anti-requisites				
Course Description	This course focuses on the fundamental concepts and understanding the value that businesses can capture by participating in the upcoming metaverse economy. Furthermore, examples will be used to illustrate the concepts, and students will be able to dive into business applications such as healthcare, consumer goods, gaming, professional services, and so on.			
Course Objective	This course is intended to improve learners' **SKILL DEVELOPMENT** through the use of **Experiential Learning** Techniques such as Documentary Review Presentation, Case Discussions			
Course Out Comes	On successful completion of the course the students shall be able to: CO 1: Define the concepts of metaverse in industry **(Knowledge)** CO 2: Discuss the how firms and brands can engage in the metaverse space for value creation (**Comprehension)** CO3: Explains the overview of business applications in metaverse (**Application)**			
Course Content:				
Module 1	**Introduction to Metaverse**	**Knowledge Level**	Self-Learning	**10 Session**
Topics: Definition, Key features, metaverse technologies and why metaverse matter?;Metaverse – Landscape, web3.0, cryptocurrencies, NFT				
Module 2	**Metaverse Marketing Strategy**	**Comprehension Level**	Participative learning and Discussion	**10. Session**
Topics: Strategy in selling in the metaverse environment, sales forecasting, promotions and advertising; Consumer Experience – Consumer experiences in augmented reality (AR), Virtual reality (VR); Branding in metaverse				
Module 3	**Applications, challenges and Ethical issues**	**Application Level**	Participative Learning	**10 Session**
Topics: Applications of metaverse in B2B, B2C and various domain ; Omnipresent technology;				

challenges; ethics and user safety
Targeted Application & Tools that can be used: **Cases and videos will be able to help to students to understand the concepts**
Project work/Assignment: Mention the Type of Project /Assignment proposed for this course: **Project Work: Prepare a video presentation on applications of metaverse in Industry 5.0** **Assignment: 1. Using PU link to review the article** **2. Case Study on NIKIE, ACCENTURE & MAGIC LEAP**
Textbook 1. Hoffert, B. (2022). The Metaverse: And How It Will Revolutionize Everything.
References: 1. Hollensen, S., Kotler, P., & Opresnik, M. O. (2022). Metaverse–the new marketing universe. *Journal of Business Strategy*.. https://www-emerald-com-presiuniv.knimbus.com/insight/content/doi/10.1108/JBS-01-2022-0014/full/html.
Topics relevant to the development of **"EMPLOYABILITY SKILLS":** Solving the business cases improves the logical thinking and reasoning to make business strategy in metaverse era

Catalog prepared by	Dr. Shivakami Rajan Associate Professor School of Commerce

Dr. Vinay Joshi
Associate Dean – SOC

IQAC
PRESIDENCY UNIVERSITY
BANGALORE

REGISTRAR
Registrar
PRESIDENCY UNIVERSITY
BANGALORE

School of Engineering

Department of Electrical & Electronics Engineering

Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV005
Course Name:	Auto CAD for Electrical Engineers
Area of Specialization:	Electrcal Engineering
Course Description:	This course contains a detailed explanation of AutoCAD Electrical tools and features. Every tool and feature is thoroughly explained with the help of examples. After going through this course, you will be able to create professional electrical control drawings with ease such as ladder diagrams, schematic drawings, panel drawings, parametric and nonparametric PLC modules, point-to-point wiring diagrams, report generation, creation of symbols, Circuit Builder, Terminal symbols, and so on.
Course Outcome:	On successful completion of the course, the student shall be able to: CO.1. Explain all AutoCAD Electrical tools and features CO.2. Develop professional electrical control drawings with ease. CO.3. Create a Panel Drawings, Wiring Diagram and creation of symbol. CO.4. Explain the various types of wire selection and PLC selection in CAD.
Course Content:	**Module No 1:** Basics Of Electrical Drawings: Introduction, Need of Drawings, Electrical Drawings, Common Symbols in Electrical Drawings, Wire and its Types, Labeling. [5- Hours] **Module No 2:** Introduction to AutoCAD Electrical and Interface: Introduction, System Requirement, Starting AutoCAD Electrical/AutoCAD, Creating A New Drawing Document, Meaning of Default templates, Electrical Templates, Application Menu. Starting Drawing, Open Options, Opening Drawing File Save, Applying Password on File, Save As, Export, Publish, Print Drawing Tab Bar, Drawing Area, Command Window, Bottom Bar, Drafting Settings dialog box [8- Hours] **Module No 3:** Project Management: Introduction, Project Management, Workflow in AutoCAD Electrical, Starting a New Project, Changing Properties of a project, Adding drawings in the project, Retagging and renumbering ladders in the drawings of project, Plotting/publishing project files, INSERTING COMPONENTS: Inserting Components using Icon menu, Inserting Components using Catalog Browser, Inserting Components using User Defined list, Inserting Components using Equipment list, Inserting Components using Panel list, Inserting Components using Terminal (Panel list), Pneumatic, Hydraulic, and P&ID components [9- Hours] **Module No 4:** Wires, Circuits, and Ladders: Inserting Wires, Applying wire numbers, Inserting user defined circuits, Inserting ladders, Cable Markers, Circuit Builders. Plcs and Components: Introduction, Application of PLCs in manufacturing process, Inserting Parametric PLCs, Inserting PLCs (Full Unit), Inserting Connectors, Inserting Terminals. [8- Hours]
Instructor In-charge:	Mr. Ravi V Angadi

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

School of Engineering

Department of Electrical & Electronics Engineering

Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV011
Course Name:	**Fundamentals of Scilab programming**
Area of Specialization:	Electrical Engineering
Course Description:	This course will introduce the basic concepts of scientific programming and simulations using Scilab. It will enable to perform numerical computations and analysis in all major scientific areas in all branches of engineering. This course requires the fundaments of basic mathematics. This course is designed for beginners and at the end the students will get the ability to perform scientific computations and Simulink model development using XCos environment.
Course Outcome:	On successful completion of the course, the student shall be able to: 1] Describe the SCILAB software environment. 2] Discuss the concepts of basic SCILAB programming for engineering applications 3] Demonstrate the implementation of Xcos Simulink Environment 4] Interpret data from datasheet and to perform statistical analysis.
Course Content:	**Module No 1: Introduction to Scilab environment-** Scilab datatypes, variables and constants , Functions in Scilab Changing axes properties in scilab plots Plotting Bar graphs in Scilab [5- Hours] **Module No 2:** Entering Matrices and basic matrix operations of addition and multiplication transpose. Generating Matrices, the load Function, M-Files, Deleting Rows and Columns, Solving linear algebraic equations in Scilab [8- Hours] **Module No 3:** statistical computations, statistical functions- sum, mean value, median, Standard deviation [9- Hours] **Module No 4:** : Scilab toolboxes for the analyzing the systems, Solving Differential Equations in Xcos,Transfer function approach to solve ODEs [8-Hours]
Instructor In-charge:	Dr Joshi Manohar V

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

School of Engineering

Department of Electrical & Electronics Engineering

Value Added Course offered during the Odd Semester 2022-2023

Course Code:	EEEV012
Course Name:	Synchronized Phasor measurement in Grid using PMUs
Area of Specialization:	Power Systems
Course Description:	This Course introduces to Phasor measurement unit (PMU) technology used for wide area grid monitoring to avoid blackout conditions. Advanced DSP algorithms are used to estimate the phasor value of voltage and current signals which helps in monitoring the dynamic nature of the power system. It develops analytical abilities in students with the help of Lab-VIEW Software.
Course Outcome:	On successful completion of the course, the student shall be able to: **01** Summarize the Power system Contingencies **02** Analyze phasor estimate for voltage and current for micro grid and conventional grid. **03** Explain the algorithm of recursive and non-recursive DFT **04** Compute and minimize the cost of reactive power consumption.
Course Content:	**Module 1: Fourier Transform** Introduction to fourier transform, phasor estimation using discrete fourier transform method, phasor estimation using non-recursive and recursive discrete fourier transform method in micro-grid and conventional grid **Module 2: Lab-VIEW Modelling of Signal processing Algorithms** Lab-view model and results using non-recursive DFT algorithm, lab-view model and results using recursive DFT algorithm **Module 3: Phasor measurement Unit** introduction to phasor measurement unit, hardware setup of phasor measurement unit and results, hardware setup using NI my-RIO, cost calculation on the basis of reactive energy consumption
Instructor In-charge:	Mr. Bishakh Paul

PRESIDENCY UNIVERSITY IQAC BANGALORE

REGISTRAR Registrar PRESIDENCY UNIVERSITY BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Department of Media Studies

Value Added Courses to be offered during the Odd Semester 2022-2023

Course Code:	BAJV001
Course Name:	Smartphone Filmmaking
Area of Specialization:	Media studies
Course Description:	The students will learn the basics of filmmaking, such as storytelling, shot composition, lighting, audio, and editing. You will also learn how to use editing software to cut your videos together and add effects. By the end of this course, you will be able to use your smartphone to make high-quality videos that tell stories, capture attention, and engage viewers. No prior filmmaking experience is required. However, some familiarity with your smartphone's camera and editing software would be helpful. The course will be delivered over 10 weeks. Each week, you will watch video lectures, complete exercises, and participate in discussion forums. Your performance in the course will be assessed based on your participation in discussion forums, completion of exercises, and submission of a final project.
Course Outcome:	On successful completion of the course the students shall be able to: **1]** Understand the smartphone filmmaking and its role in various contexts [Knowledge] 2] Interpret the role of smartphone filmmaking in today's media industry [Comprehension] **3]** Describe the role of smartphone filmmaking in persuasion and dissemination of information among individuals and groups [Analysis] **4]** Enumerate various type of smartphone filming techniques and their usage. [Comprehension] 5] Evaluate the interplay of smartphone filmmaking and Society leading to development activity. [Application]
Course Content:	**Module 1 Introduction to Smartphone Filmmaking (6 Hours)** **Topics:** • **Overview of smartphone filmmaking as a creative medium.** • **Exploring the potential of smartphones for filmmaking.** • **Discussion on the importance of storytelling in filmmaking.** **Module 2** Essential Filmmaking Techniques **(6 Hours)** **Topics:** • **Understanding shot types and compositions.** • **Exploring camera angles and movements.** • **Learning about lighting and sound considerations for smartphone filmmaking** **Module 3 Filming Techniques and Tips: (6 Hours)** **Topics:**

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

	• **Exploring advanced filming techniques like time-lapse, slow-motion, and hyperlapse.** • **Discussing framing, focus, and exposure adjustments.** • **Providing tips for achieving professional-looking shots with smartphones.** **Module 4 Introduction to Kinemaster: (6 Hours)** **Topics:** • **Overview of the Kinemaster editing software for smartphones.** • **Exploring the features and capabilities of Kinemaster** **Module 5 Editing Basics: (6 Hours)** **Topics:** • **Learning how to import and organize video clips in Kinemaster.** • **Understanding the timeline, trimming, and splitting clips.** • **Exploring transitions, text overlays, and audio adjustments.**
Instructor In-charge:	Sarath A. Pradeep

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Department of Media Studies

Value Added Courses to be offered during the Odd Semester 2022-2023

Course Code:	BAJV002
Course Name:	Smartphone Photography
Area of Specialization:	Media studies
Course Description:	The students will learn the basics of photography, such as storytelling, shot composition, lighting, audio, and editing. You will also learn how to use editing software to cut your videos together and add effects. By the end of this course, you will be able to use your smartphone to make high-quality videos that tell stories, capture attention, and engage viewers. No prior photography experience is required. However, some familiarity with your smartphone's camera and editing software would be helpful. The course will be delivered over 10 weeks. Each week, you will watch video lectures, complete exercises, and participate in discussion forums. Your performance in the course will be assessed based on your participation in discussion forums, completion of exercises, and submission of a final project.
Course Outcome:	On successful completion of the course the students shall be able to: **1]** Understand the smartphone photography and its role in various contexts [Knowledge] 2] Interpret the role of smartphone photography in today's media industry [Comprehension] **3]** Describe the role of smartphone photography in persuasion and dissemination of information among individuals and groups [Analysis] **4]** Enumerate various type of smartphone filming techniques and their usage. [Comprehension] 5] Evaluate the interplay of smartphone photography and Society leading to development activity. [Application]
Course Content:	**Module 1 Introduction to Smartphone Photography (6 Hours)** **Topics:** • **Overview of smartphone photography as a creative medium.** • **Exploring the potential of smartphones for photography.** • **Discussion on the importance of storytelling in photography.** **Module 2** Essential Photography Techniques **(6 Hours)** **Topics:** • **Understanding shot types and compositions.** • **Exploring camera angles and movements.** • **Learning about lighting and sound considerations for smartphone photography**

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

	Module 3 Filming Techniques and Tips: (6 Hours) **Topics:** • **Exploring advanced filming techniques like time-lapse, slow-motion, and hyperlapse.** • **Discussing framing, focus, and exposure adjustments.** • **Providing tips for achieving professional-looking shots with smartphones.** **Module 4 Introduction to Kinemaster: (6 Hours)** **Topics:** • **Overview of the Kinemaster editing software for smartphones.** • **Exploring the features and capabilities of Kinemaster** **Module 5 Editing Basics: (6 Hours)** **Topics:** • **Learning how to import and organize video clips in Kinemaster.** • **Understanding the timeline, trimming, and splitting clips.** • **Exploring transitions, text overlays, and audio adjustments.**
Instructor In-charge:	Dr. Neha Saroj

REGISTRAR

PRESIDENCY UNIVERSITY Registrar BANGALORE

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Design **Area of Specialization:** Space Design

Name of the Department: Space Design **Name of the Faculty Member:** Anusha S

Title of the Value-Added Course: Defining Spaces in public realm

Course Duration: [30 hours] **[From** 26.12.2022 **to** 28.02.2023**]**

Course Code: SODV029

Introduction to the Course:

The course enables the students to learn that space also grows beyond what is defined with the walls. The focus is on different aspects of spaces that makes it dynamic over time and its users by taking the cases of our everyday surroundings. The intent of the course is for the students to observe, understand and interpret how spaces are created with respect to a certain activity or its user groups.

Course Outcomes: On successful completion of the course the students shall be able to:

1) Identify the potential spaces in our everyday surroundings
2) Observe on what defines the space actively in public realm
3) To be able to draw a pattern by analyzing different aspects of the space in public realm.

Course Content:

1)	Introduction to defining boundary and access for open spaces	10 Hours
2)	Study of different User Groups/ stakeholders involved	10 Hours
3)	Control and ownership over public spaces	10 Hours

(ANUSHA S)

Name & Signature of the Faculty Member **Approval by the HOD**

REGISTRAR

PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Design

Name of the Department: Game Design

Area of Specialization: 3d Generalist

Name of the Faculty Member: Karthik

Title of the VAC: Online Game and Its Review

Course Code: SODV038

Course Duration: [30 hours]

Introduction to the Course:

In order to increase sales, opportunities for improvement in game industries, and apply thinking preference to offer to personalize in-game products or promotions by using the framework of Player type theory and Whole brain thinking preference model relationship, the goal of this study is to map out and see the relationship between MMORPG game player personalities and style based on player type theory and game players' thinking preferences.

Course Outcomes: On successful completion of the course the students shall be able to:

1. **Discuss** the purpose of the online review
2. **Demonstrate** how the online games are played and reviewed
3. **Apply** the concept of reviewing for the marketing of the game.

Course Content:

1. How to check and identify the online game genre

(Sandbox, Real-time strategy (RTS), Shooters (FPS and TPS), Multiplayer online battle arena (MOBA),

REGISTRAR

Role-playing (RPG, ARPG, and More), Simulation and sports, Puzzlers and party games, Action-adventure, Survival and horror, Platformer) **2 Hours**

2. Play different genre games **25 Hours**
3. Review each game played **3 Hours**

(Karthik Manokaran)

Name & Signature of the Faculty Member **Approval by the HOD**