

List of Add on/ Certification Courses offered during A.Y. 2023-24

Sr No	Program Name	Name of Add on /Certificate programs offered	Number of Students completing the course in the year
1	MBA	Digital Marketing	62
		Advance MS- Excel	40
2	MCA	Mern Stack Development	60
		Advance Java Spring Hibernate and collection framework selenium Hands on training	60
3	Mechanical Engineering	Autocad & GD&T	26
		CATIA	29
		Solid works	27
4	Civil Engineering	Autodesk Revit	26
		ETAB	41
		BIM-Revit	20
5	Computer Engineering	Advance Python	289
		Data Science with Python	70
6	Basic Engineering	Spectrum of AI	200
7	Artificial Intelligence and Data Science	Data Science using Python	36

Dr. Soumitra Das
Incharge Principal



Ref: ICEM/MCA/2023-24/

Date: 07/09/2023

Department of MCA

NOTICE

This is to inform all SYMCA (SEM-III) students that, 30Hrs. Certification Course on “MERN Stack Development” is scheduled from 11/09/2023 to 15/09/2023. Attendance will be strictly monitored.

Venue: MCA Classroom 4th floor ICEM


Prof. Milind P. Deshpande
Course Coordinator




Dr. Darshana Desai
HOD-MCA



ICEM/MCA/2023-24

Date: : 07/09/2023

Department of MCA

Session Planner "MERN Stack Development" 2023-2024

Class: SYMCA – Sem III

Time: 10.00 am to 5.00pm

Sr. No.	Date	Subject/Topic
1.	11/09/2023	Introduction of Fullstack process and Brief of HTML,CSS,JS
2.	12/08/2023	Reactjs(SETUP OF REACTJS,JSX,LIFE CYCLE OF REACTJS,HOOKS,AXIOS
3.	13/08/2023	Nodejs(http,express,socket I,o,pm2)
4.	14/08/2022	Nosql Database(Mongodb, connectivity with nodejs,mongoose, command how its works with nodejs)
5.	15/08/2023	Scratch to end spotify project

Prof. Milind P. Deshpande
Course Coordinator



Dr. Darshana Desai
HOD-MCA



ICEM/MCA/2023-24

Date: 20/09/2023

Department of MCA

Report on 30 Hrs “MERN Stack Development”

Date: 11/09/2023 to 15/09/2023

Participants: SYMCA students

Venue: SYMCA Classroom

Trainer: Mr. Harsh Sareen ,Freelancer Trainer

Brief Description:

The MERN Stack Development Certification Program for SY MCA students was conducted in the MCA Department from 11/09/2023 to 15/09/2023. The program aimed to provide students with in-depth knowledge and practical experience in various Full Stack Development topics.

Throughout the five sessions, the students were exposed to essential of full stack development. Each session included both theoretical explanations and hands-on exercises to reinforce learning.

Which also covers the following topics in details with hands on training

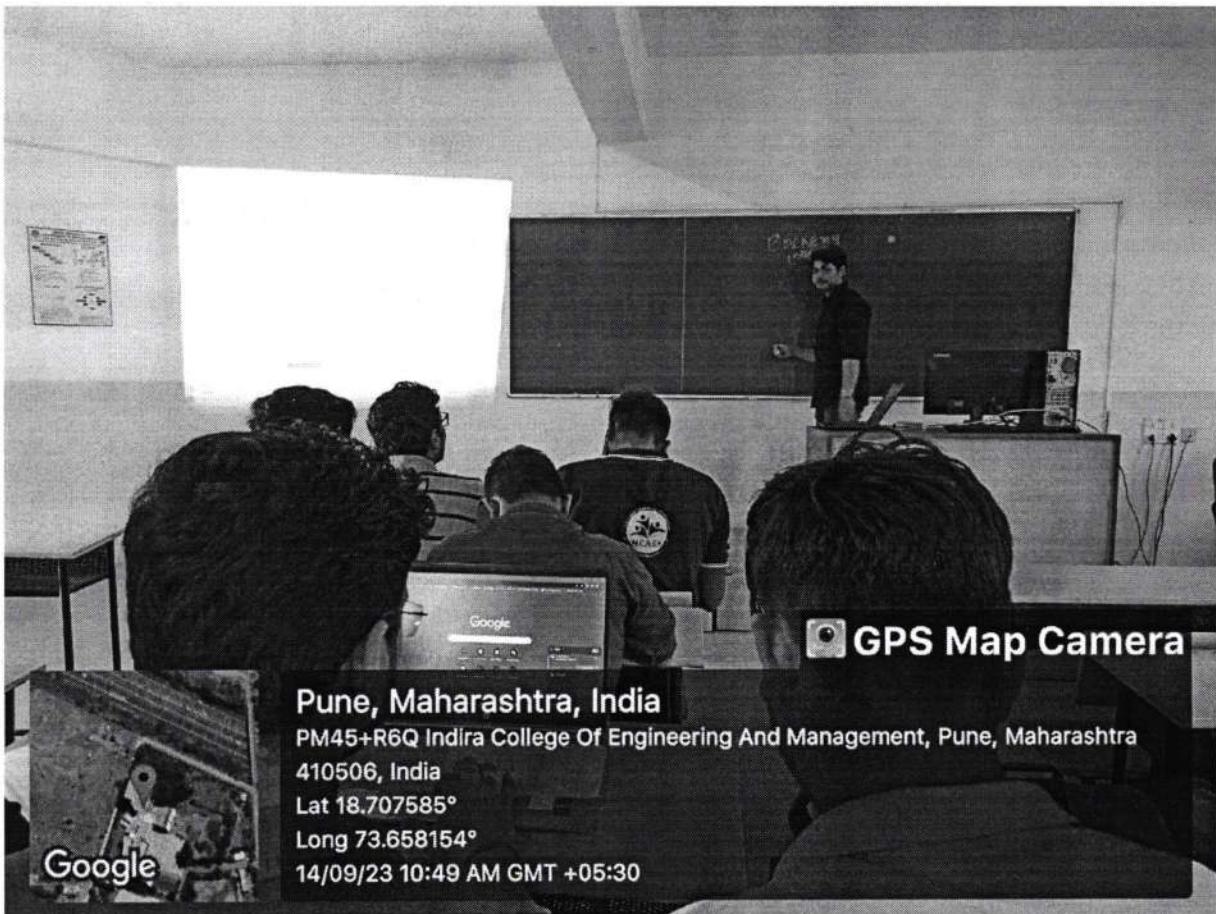
1. Introduction of Fullstack process and Brief of HTML,CSS,JS
2. Reactjs(SETUP OF REACTJS,JSX,LIFE CYCLE OF REACTJS,HOOKS,AXIOS
3. Nodejs(http,express,socket I,o,pm2)
4. Nosql Database(Mongodb, connectivity with nodejs,mongoose, command how its works with nodejs)
5. Scratch to end spotify project

Finally, the students learned about the MERN Stack Development using above topics and a small project is assigned to them.

The students actively participated in the sessions, and their progress was assessed through



Practical assignments and quizzes. At the end of the program, each student received a certification of completion, acknowledging their dedication and successful completion of the MERN Stack Development Certification Program.



Prof. Milind P. Deshpande
Course Coordinator

14/09/23



Dr. Darshana Desai
HOD-MCA

Dr. Darshana Desai

Introduction to Training Topics

Welcome to our upcoming training program, where we will embark on an exciting journey into the world of Civil Engineering and the powerful tools it encompasses. Over the course of four intensive days, we will dive deep into key topics designed to equip you with practical knowledge and skills that are essential in today's dynamic Civil Engineering landscape.

By the end of these Five days(30 Hr), Students not only have gained a profound understanding of these crucial topics but also practical skills that can propel your career in Civil Engineering forward. We encourage active participation, open dialogue, and hands-on learning throughout the program.

So, let's embark on this knowledge-packed journey together. Get ready to explore, learn, and grow as we dive into the world of Civil Engineering, BIM, Revit, and the exciting possibilities of Artificial Intelligence. Let's make the most of this opportunity to enhance our skills and stay at the forefront of innovation in the industry.

Technical Week		
Course Content		
Days	Topics	Hrs
Day 1	Mindset of civil student and Indutry requirment	6
	Overview of Building Information Modeling (BIM) and its importance	
	Overview of Revit and its benefits Test 1	
	Artificial intelligence & Civil Industry	
	Basics of Revit	
	Understanding the Interface	
	Navigating the Revit interface, including the Ribbon, Properties panel, and Project browser	
Customizing the interface and general options, Navigation, Zooming, panning, and rotating the view"		

Day 2	Project 1: Simple House	6
	Setting up a project	
	Creating levels and walls	
	Selecting objects and using filters	
	Adding floors, doors, windows,	
Day 3	adding components	6
	Adding families downloading families	
	stairs, and railing	
Day 4	Section	6
	Camera	
	walkthrough	
Day 5	Rendering	6
	Sheets	
	LinkedIn profile with respect to Civil Engineer	
	Role Artificial intelligence in Civil Engineering and how to Prepre for new era of A.I. as a Civil Engineer	
	Test	





Civil Department
2023-24

Revit Structure Syllabus

Duration: (30 hours)

Unit 1:

Hours: 05

- 1. New Features**
 - a. New Features
- 2. New Features for Revit Structure**
 - a. Introduction to Autodesk Revit Structure
 - b. Basic Concepts and Principles
 - c. The Revit Structure User Interface
 - d. Building Information Modeling and Revit Structure, Getting Help
- 3. Getting Started wit a Structural Project**
 - a. Starting a New Structural Project
 - b. Snaps Tool, Opening, Saving and Closing a Project
 - c. Options Dialog Box
- 4. Setting up a Structural Project**
 - a. Creating Project Templates
 - b. Using Levels
 - c. Using Grids
 - d. Working with Reference Planes

Unit: 2

Hours: 05

- 1. Structural Columns and Walls**
 - a. Structural Columns
 - b. Structural Walls
- 2. Foundations, Beams, Floors, and Open Web Joists**
 - a. Understanding Foundations
 - b. Adding Foundations
 - c. Structural Floors
 - d. Beams and Open Web Joists
- 3. Editing Tools**
 - a. Creating Selection Sets
 - b. Moving and Copying
 - c. Rotating, Mirroring and Arraying
 - d. Additional Editing Tools, Creating Groups
- 4. Documenting Models and Creating Families**
 - a. Dimensioning
 - b. Adding Text and Tags
 - c. Creating Families
- 5. Standard Views, Details, and Schedules**
 - a. Standard Views
 - b. Callout Views



Civil Department
2023-24

- c. Drafting Details
- d. Graphical Column Schedules

Unit 3:

Hours: 05

- 1. 3D Views, Sheets, Analysis, Reinforcements, and Massing**
 - a. 3D Views, Generating Shadows and Solar Studies
 - b. Working with Sheets
 - c. Understanding the Analytical Model
 - d. Working with Analytical Models
 - e. Adding Reinforcements, Linking Building Models
 - f. Introducing Massing
 - g. Editing Massing Geometry
 - h. Creating Building Elements from Massing Geometry
- 2. Linking Revit Models with Robot Structural Analysis**
 - a. Linking Revit Models with Robot Structural Analysis
- 3. Setting Up The Revit Structure Interface**
 - a. Revit Structure 2015 Interface
 - b. Setting up Revit Structure File Locations
- 4. Family Concepts and Techniques**
 - a. Family Types
 - b. Adding to the Family
- 5. Creating Custom Families**
 - a. Creating a Composite Metal Deck Family
 - b. Creating a Tapered Concrete Column Family

Unit 4:

Hours: 05

- 1. Creating Structural Walls and Floors**
 - a. Architectural Walls and Structural Walls
 - b. Structural Floor Placement and Options
 - c. Using Structural Beam Systems
- 2. Creating Foundations**
 - a. Isolated and Wall Foundations
 - b. Slab and Floor Slab Foundations
- 3. Reinforcement**
 - a. Rebar and Fabric Settings
 - b. Reinforcement Settings



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4. Structural Column Families

- a. Setting Up a Structural Column Family
- b. Inventor

Unit: 5

Hours: 05

1. Creating Specific Family Types

- a. Typical Concrete Corbelling Profile
- b. Typical Annotation Arrow Symbol

2. Structural Analysis

- a. Preparing Projects for Structural Analysis
- b. Creating Analytical Views

3. Project Team Collaboration

- a. Introduction to Worksets
- b. Working with Worksets

Unit 6:

Live Project

Hours: 05

Prof. Vishal Chaugule

Student Training coordinator

Prof. Sachin Ingle

Academic Coordinator

Prof. Savita Jangle

I/C HOD



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ETABS Syllabus

Duration: (30 hours)

S N	Topic Covered	Contact Hours
1	Introduction History and Advantages of ETABS, What ETABS Can Do!, An Integrated Approach, Modeling Features, Analysis Features, Design Features, Detailing Features	6 Hrs
2	The ETABS System Overview of the Modeling Process, Physical Modeling Terminology, Story Definition, Towers, Units, Coordinate Systems and Grids, Structural Objects, Groups, Properties, Nonlinear Hinges, Load Patterns, Vertical Loads, Temperature Loads, Automated Lateral Loads, Functions P-Delta, Modal Cases, Load Cases, Load Combinations, Design Settings, Detailing ,Output and Display Options	9 Hrs
3	ETABS Modeling Techniques Begin a New Model, Select the Base Units and Design Codes, Set up Grid Lines, Draw Grids, Define and edit Story Levels, Draw Dimension Lines, Draw Joint Objects, Save the Model Editing Properties Replicate, Extrude Joints to Frames, ExtrudeFrame to Shells, Merge Joints Align, Joints/Frames/Edges Move, Joints/Frames/Shells Edit Frames, Edit Shells, Edit the Model Geometry, View the Model Defining Properties Material Properties, Section Properties, Load Patterns, Mass source, Load Cases, Load Combinations, Draw Structural Objects Draw Beam/Column Objects, Draw Floor/Wall Objects, Assigning Properties- Assign Joint, Frame, Shell, Joint, Assign Loads to Frame Shell, Checking the model for any errors and eliminating if any	9 Hrs
4	ETABS Analysis Techniques Linear Static Analysis, P-Delta Analysis, Nonlinear Static Analysis, Modal Analysis, Mass Source, Response Spectrum Analysis, Linear Time History Analysis, Nonlinear Time History Analysis	6 Hrs

Prof. Vishal Chaugule
Student Training coordinator

Prof. Sachin Ingle
Academic Coordinator

Prof. Savita Jangle
I/C HOD



Department of Computer Engineering

Ref. No: ICEM/COMP/2023-24/

Date: 9th Sept 2023

Notice

All Students of BE are hereby informed that 30hrs Certification Course under VAC (Value Added Course) on Advanced Python is scheduled from 11th to 15th Sept 2023. Therefore, all should have to attend compulsory otherwise strict action will be taken if your attendance is not 100%.

The details are as follows.

Date: 11th to 15th September 2023

Time: 10:00 AM-5:00 PM

Mode: Offline

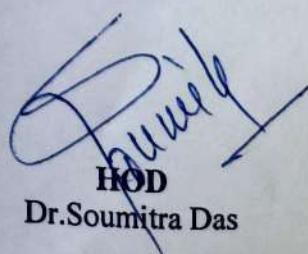
Venue: CKP hall, 4th Floor Computer Engineering

Note:

- Attendance is Compulsory otherwise Rs.500 should be fine per day.
- Uniform and ID Card is Mandatory.


VAP Coordinator
Prof.Reshma Kohad




HOD
Dr.Soumitra Das

Savitribai Phule Pune University
Third Year of Computer Engineering (2019 Course)
Value Addition Program

Teaching Scheme: **Course:** Advanced Python(TE)

Prerequisite Courses: basics python library and function knowledge is essential
 basic understanding of data analysis is required

Course Objectives:

- To Explore the latest Visualization and data Manipulation Concept.
- To Familiarize with the core concepts of frontend and backend programming.
- To Explore the latest libraries using advance program.

Course Outcomes:

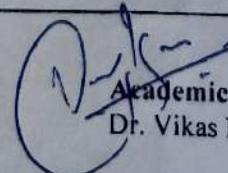
After learning the course, students will be able to:

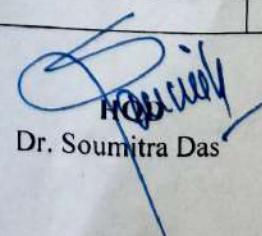
- Implement different Libraries for functions analyzing and manipulating.
- Explore the latest features of Numpy, Pandas & other Libraries.
- Implement data visualization and Module Building.

Detailed Syllabus

UNIT	Description	Duration (Hr)
I	Introduction to Python: Basics of Python, Installation Process , different Function, Overview of libraries, Standard Modules & Packages in python	06
II	Implementation of Seaborn Library Introduction of seaborn, Installation of seaborn library, overview of seaborn plotting function, seaborn object, properties. Styling and Themes in Seaborn Plotting chart using different function. Case study: Design plot graph of Height and Weight	08
III	Implementation of Numpy and Panda Library : Introduction of Numpy & Pandas Library, Installation Process, Handleing Data Structure using Numpy, Data Frames Using Pandas Data Manipulation using Numpy and Pandas Case Study :	08
IV	Introduction of Scikit-learn and Matplotlib Library: • Overview of scikit Library, Installation of scikit, features of scikit, Model Processing, data representation, Implementation of Linear Modelling. Overview of Matplotlib Library, Installation of Matplotlib, Library, Plotting Section in Matplotlib. Implementation of Example using Matplotlib Library Case study: i) Estimate API using linear Regression ii) How to Plot List of X, Y Coordinates in Matplotlib	08
		30 (Hr)


VAP Coordinator
 Prof.Reshma Kohad


Academic Coordinator
 Dr. Vikas Nandgaonkar


HOD
 Dr. Soumitra Das





Date: 15/09/2023

Event Report**Academic Year: 2023-24****Semester-I****Name of the event:** Five days Workshop on "Learning Advance Python with Hands-on Practice"

Date and Time	11/09/2023 to 15/09/2023, 10.00 AM - 05.00 PM
Event Venue	Indira College of Engineering and Management, Parandwadi, Pune
Organized by	Department of Computer Engineering
Targeted Audience	T.E. Students of ICEM, Parandwadi, Pune
Resource Person	Prof. Tushar Kute, MITU Skillologies, Pune, India

Event Contents:

1. Understanding the concepts of Advance Python.
2. Hands-on practice on Advance Python.

Details of the event:

The Department of Computer Engineering of ICEM, Parandwadi, has organized a five days Workshop on "**Learning Advance Python with Hands-on Practice**" from **11th September 2023 to 15th September 2023** by inviting an eminent guest to deliver sessions on concepts of Advance Python.

The session speaker **Prof. Tushar Kute** had a nice talk on the basic understanding and the concepts of Data structures, Datasets, and programming with real time examples.

Day	Topics covered
Day 1	Python Basics and Data Structures Python syntax and essential concepts. Data structures: list, tuple, set, and dictionary. Introduction to linear algebra and linear regression.
Day 2	Numpy and Pandas





Indira College of Engineering and Management

Department of Computer Engineering



	In-depth study of Numpy for numerical computing. Comprehensive understanding of Pandas for data manipulation.
Day 3	Advanced Pandas Techniques Utilized Pandas for data appending, concatenation, merging, and joining. Explored string functions, data export, cleaning, and scaling.
Day 4	Data Visualization with Matplotlib Data visualization with Matplotlib. Various plots, including line plots.
Day 5	Tkinter, Machine Learning, and Regression Tkinter for building graphical user interfaces. Introduction to machine learning concepts. Classification, regression, and unsupervised learning. Regression Analysis Regression analysis as a statistical method for understanding relationships between variables. Importance of dependent and independent variables. Practical application of linear regression. Data preprocessing techniques like feature scaling and cleaning. Basics of classification algorithms. Introduction to unsupervised learning and clustering.

He had a very interactive session with the students and it was an effective two-way communication of the speaker and the participants.

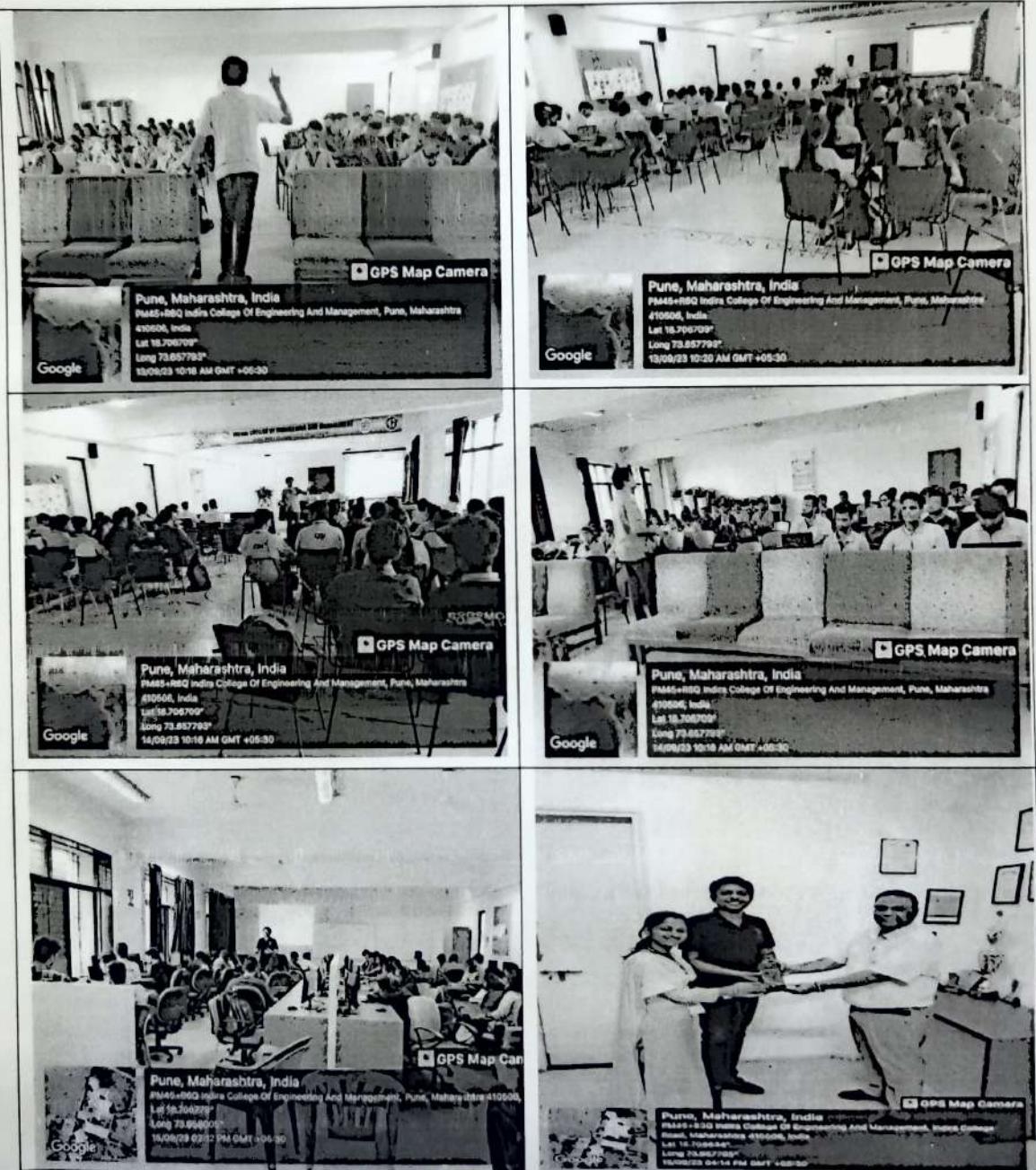




SHREE CHANAKYA EDUCATION SOCIETY'S

Indira College of Engineering and Management

Department of Computer Engineering



Prof. Harshal Mahajan
(Event Coordinator)



Dr. Soumitra Das
(HoD, Dept. of Computer Engg.)



Advance Excel Certification.
Session Planner

MBA Department .

Time: 9.00 am to 6pm.

Trainer: Mr. Sandeep Pawar.

Date	Session title conducted.
9 th Oct 2023	Introduction to Spreadsheets - Understanding Microsoft Excel, Excel Workbook Windows, Basic Spreadsheet Skills, Excel Help System, Opening and Closing Workbooks, Understanding Workbook File Formats, Creating New Workbooks, Selecting Cells, Auto Sum and Auto Fill Function, Cell Referencing and Request, Formatting Cells, Formatting Numbers, Placing Cell Alignment, Cell, Rows and Columns, Understanding Worksheets, Editing, Copying and Moving Cells, Page Layouts in Excel, Proofing Workbooks,
10th Oct 2023	Defining Names in Excel, Sorting Data, Using Excel Tables, Filtering Data in Excel, Understand Charts, Chart Design Options and Tools, Chart Format Tools, Combo Charts, Functions within Excel, Understanding Date Function, Information Functions, Logical Functions, Find and Replace, Headers and Footers, Adding Comments, Conditional Formatting
11 th Oct 2023	Using Text to Columns, The Paste Special Function, Data Validation, Subtotals and Grouping, Consolidating Data, Scenario Analysis, Data Tables in Scenario Analysis, What-if Analysis, Mats and Trig Functions, Text Functions in Excel, Using Lookup Functions, Vlookups, HLookups, Match, Using Statistical Functions, Database Functions, Financial Functions, Formula Auditing and Error Tracing, Hyperlinks in Excel, Linking Data, Understanding Pivot Tables, Using Pivot Charts, Workbook Properties, Protecting and Sharing Worksheets, Data Encrypting and Finalising Workbooks, Understanding Macros, Custom Number Formats in Excel, Using Custom Lists, Working with Templates, Tracking Changes in Excel, Merging and Compare Excel Workbooks

Training Coordinator
Prof. Priyanka Pawar



Dr. Archana Salve
HOD, MBA.



INDIRA COLLEGE OF ENGINEERING & MANAGEMENT

30 hrs Technical Training Course

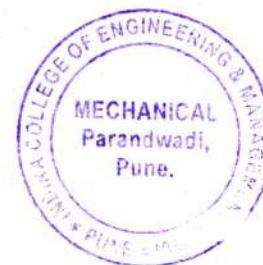
SOLID WORKS SYLLABUS

BE Mechanical

MODULE	WORKBENCH	TOPIC
10-09-2023	1	Line, Rectangle & Slot and its Sub options
		Circle, Arc & Polygon and its Sub options
		Spline, Ellipse, Fillet & Chamfer and its Sub options
		Text, Point, Trim & Offset Entities and its Sub options
		Smart Dimensions and its Sub options
		Mirror Entities, Pattern and its Sub options
		Move, Copy, Rotate, Scale & Stretch Entities
		Relation, Display/Delete Relations
10-10-2023	2	Concepts of Part Modeling
		Extruded Boss/Base & Extruded Cut
		Revolve Boss/Base & Revolve Cut
		Swept Base/Boss & Its Sub options
		Loft Boss/Base, Boundary Boss/Base
		Fillet & Chamfer and its sub options
		Linear/Circular/Curve Driven Pattern
		Fill/Mirror/Table/Sketch Driven Pattern
		Wrap, Mirror, Shell, Rib, Intersect, Draft & Hole
10-11-2023	3	Bottom Up Assembly
		Move Components
		Exploded View
		Bill of material
		tamplet edit
10-12-2023	4	Standard 3 View, Model-Projected-Auxiliary View
		Section-Detailed View, Broken Out Section, Break-Crop View
		Smart Dimension, Model Items,
		Note, Linear-Circular Note, Balloon, Auto Balloon,
		Surface Finish, Weld Symbol, Hole Callout
		Geometric Tolerance, Datum Feature
		Center Mark, Center Line, Area Hatch/Fill
		,Bill Of Material, Hole Table

Trainer

Dept. Coordinator



H.O.D. Mechanical
Head of Department
(Mechanical Engg.)

Indira College of Engineering and Management
Parandwadi, Pune 410 506

Indira College of Engineering & Management

Department of Mechanical Engineering

30 Hrs Technical Training

Syllabus AUTOCAD with GD&T

from 11th March to 15th March 2024

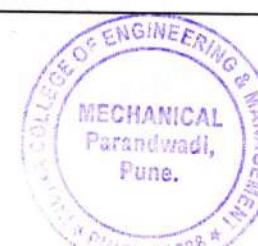
SR NO.	TOPIC	SUB TOPIC TO BE COVERED	DATE	TIME	BATCH	Hrs
1	Introduction to Engineering drawing and concept	concept of 2D and 3D drawing	11-03-2024	9:00AM to 5:00PM	SE Mech	6Hrs
2	Elements of Engineering Drawing	point				
		line				
		plane				
3	projection of	point				
		line				
		plane				
4	Plane and quadrant concept	arrangements of quadrants				
5	projection of	planer or lamina				
		solid objects				
6	Method of projections	First angle method of projection				
		third angle method of projection				
7	CO ORDINATE Systems	Co-ordinate system methods, Drawing Limits and Units set up in Autocad	12-03-2024	9:00AM	SE Mech	6Hrs
8	File save Management	Create .tmp file,save as .dwg file,dxf file and				
		creating Tamplate drawing from .dwg file				
9	LAYERS	basic draw tools and modify toolbar				
		Understanding the concept and				
		working with layers, Line type, line weight				
		creating drawing using Layer setting				
10	Draw toolbar	working with layers, Line type, line weight	13/03/2024	9:00AM to 5:00PM	SE Mech	6Hrs
11	Modify toolbar	Trim,extend,copy,offset,mirror,rotate,array,break commands with exercise				
12	Dimensioning	creating dimensions on drawing with exercise linear,align,radius, etc.	14/03/2024	9:00AM to 5:00PM	SE Mech	6Hrs
13	Variable radius curve and its practice with autocad	Practical application				
14	GD&T	Introductio to interchangibility				
		concept and deffn. In term GD&T				
		limits,fits,tolerance				
15	GD&T	concept of Geometric shapes and chakes	15/03/2024	9:00AM to 5:00PM	SE Mech	6Hrs
		parallality,perpendicularity,circularity,symetricity,position control frame				
		giving feature tolerance on drawing in autocd				
		exercise of one production drawing				
		post training cad test				

Trainer

Mr. Amit Vibhandik

Training Coordinator

Prof. S. A. Manwatkar



Dr. Prof. Chetankumar Sedani

INDIRA COLLEGE OF ENGINEERING & MANAGEMENT

Department of Mechanical Engineering

TECHNICAL TRAINING 30 Hrs Course

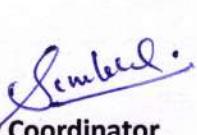
APEX Consultant

CATIA V5 SYLLABUS

SR No	Module	Session	Contents	Conducted On
1	Sketcher	1	CATIA as a CAD software :- Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management, drawing profiles. Major user industries of Catia.	09-11-2023
2		2	Sketcher: Profile toolbar, operation (corner, chamfer, relimitations, transformations, project 3D element), constraints, types of constraints,	09-11-2023
3		3	Sketcher:- sketch tools, tools (Sketch sloving status, sketch analysis, output feature), visualization toolbar, user selection	09-11-2023
4		4	Modeling of Machined component, Material Addition and Removal (Pad, Pocket, Shaft, Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole.	09-11-2023
5		5	Modeling of Machined component - 2. Pattern (Rectangular, Circular, User), Thread/Tap, Datum Features (Plane, Axes, Points), Simple Draft. Frequently used commands for Machined components	09-11-2023
6		6	Advance Design features :- Axis System, Types of draft, Shell, Stiffener, rib slot, Multisection solid, Removed multisection solid, Apply Material, Measure, Render.	09-12-2023
7		7	Introduction To Multibody concept:- Copy Paste, Paste special, Insert body, Boolean Operations (Add, remove, Intersect), Transformation (Translation, Mirror, Scaling, Affinity).	09-12-2023
7	Modelling of Machined Component (Part Design)			

8	Drafting	8	Multibody concept:- Standard example , Negative body concept (Boolean Operations)	09-12-2023
9			Advance Features:- Parameters, Formula, Relations, Design Table.	
10		9	Introduction To Drafting & Detailing Theory:- (types Generative – Interactive), Initial Drafting setting, Sheet Background, Views (ortho, ISO), Dimensions (Types- Generate Dimension & Create Dimension).	09-12-2023
11		10	Views:- (Aux, Section, Details, Clipping, Broken), View properties, DATUMS & Tolerance	14/9/2023
12	Surfacing	11	Annotations:- GD & T, Symbols, Note, Leaders, Table, Symbols (Machining, Roughness, Welding, Custom), Dress-up Toolbar.	15/09/2023
13			Surfacing Modeling based Plastic Component:- Environment, Tool bars, Surface Creation (Extrude, Revolve, Sphere, Cylinder), Surface Modification, Surface Editing (Trim, Split, Shape Fillet,	15/9/2023
14			Surfacing:- Offset(All 3 types), Fill, Blend, Join, healing, Project-Combine.	13/9/23
15		12	Advanced Surfacing:- Adaptive Sweep, Sweep(ALL), Multisection Surface.	13/9/23
16		13	Wire-frame Modeling:- Point, Line, Planes, Curves, Circle-Conic, STANDARD EXAMPLES. Use of wire frame modeling,	13/9/23
17		14	Sheet Metal Modeling of Sheet Metal Component: - Revision of sheet metal uses and design features, Tool Bars, Initial Parameters, Wall, Wall on edge, Flange, Cutout, Fold / Unfold. - Bending Operations:- Bend, Bend from Flat, Corner Relief, Corner Chamfer, Extrusion, Sheet metal Drafting.	14/9/2023
18	Wire-frame Modeling	15		
19		16		
20		17		
21				
22				

23	Assembly & Mechanism	18	Introduction to Assembly:- Types of assembly approach, Types of Constraints and DOF, placement of components in the Assembly, Manipulating Components, BOTTOM UP Approach	13/9/23
24		19	TOP DOWN Approach:- Part, Product, Component, Space Analysis, Reuse Pattern, Save management.	13/9/23
25		20	Assembly Drafting:- Scene(Exploded View), Bill of material, Ballon creation, Graph Tree Reordering.	13/9/23
26	TEST	21	Test Exam and Doubt clear sesseion	15/9/2023


Training Coordinator


Trainer


H.O.D. Mechanical





Ref. No: ICEM/FE/SAI/2023-24/43

Date: 8th Sept. 2023

Certificate course in Spectrum of AI Session Notice & Schedule

First Year Engineering Department of Indira college of engineering and Management, invites you for

30 hrs. Certificate Course on SAI (Spectrum of AI)

Venue: Online MS Team platform

Day and Date: Saturday, 9th Sept. 2023, Onwards...

Time: 10 AM to 12:00 Noon

Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmEzYTAwMmItMDNjNS00NjMxLWE3NmUtNjg0NDJiODI0OWM5%40thread.v2/0?context=%7b%22Tid%22%3a%2274ce676a-aa6e-41c1-bc31-f80e23d060ce%22%2c%22Oid%22%3a%22c03b6eff-e0f0-4581-b1aa-c502841253c4%22%7d

Sr. No.	Name of the faculty	Topic Name	Date
1	Dr. Kiran Devade	AI Concept and Diversed areas	9-Sep-23
2	Dr. Manjusha Tomar	AI in Engineering Mathematics	16-Sep-23
3	Dr. Avinash Bansode	AI in Engineering Physics	23-Sep-23
4	Prof. Pratima Uplonkar	AI in Basic Electrical Engineering	30-Sep-23
5	Prof. Rupali Salunke	AI in Basic Electronics Engineering	7-Oct-23
6	Prof. Bhagwat Dhiraj	AI in Electronics Engineering	14-Oct-23
7	Prof. Shriknat Jambale	AI in Engineering Mathematics	21-Oct-23
8	Prof. Ashwin Dharme	AI in Mechanical Engineering	28-Oct-23
9	Prof. Supriya Kumbhar	AI in Manufacturing	4-Nov-23
10	Prof. Mandakini Dahiwade	AI in Engineering Chemistry	11-Nov-23
11	Prof. Shelly Sinha	AI in Computer Engineering	18-Nov-23
12	Prof. Mayur Napte	AI in Engineering Mathematics	25-Nov-23
13	Prof. Pallavi Javalkar	AI in Discrete Mathematics	2-Dec-23
14	Prof. Satyam Kalyane	AI in Civil Engineering	9-Dec-23
15.	Prof. Atul Gore	AI in Physical Education	16-Dec-23
16.	Certification Exam		

Prof. Supriya Kumbhar
Training Coordinator

Dr. Kiran Devade
FE Coordinator





INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Approved By AICTE New Delhi, DTE (MS) and Affiliated to Pune University

"Spectrum of AI" CERTIFICATION COURSE (30 hrs.)

Dept : Basic Engineering (First Year)

Schedule

AY : 2023-2024

Sr. No.	Date	Name of Faculty	Topic
1	9-Sep	Dr. Kiran Devade	AI Concept and Diversed areas
2	16-Sep	Dr. Manjusha Tomar	AI in Engineering Mathematics
3	23-Sep	Dr. Avinash Bansode	AI in Engineering Physics
4	30-Sep	Prof. Pratima Uplonkar	AI in Basic Electrical Engineering
5	7-Oct	Prof. Rupali Salunke	AI in Basic Electronics Engineering
6	14-Oct	Prof. Bhagwat Dhiraj	AI in Electronics Engineering
7	21-Oct	Prof. Shriknat Jambale	AI in Engineering Mathematics
8	28-Oct	Prof. Ashwin Dharme	AI in Mechanical Engineering
9	4-Nov	Prof. Supriya Kumbhar	AI in Manufacturing
10	11-Nov	Prof. Mandakini Dahiwade	AI in Engineering Chemistry
11	18-Nov	Prof. Shelly Sinha	AI in Computer Engineering
12	25-Nov	Prof. Mayur Napte	AI in Engineering Mathematics
13	2-Dec	Prof. Pallavi Javalkar	AI in Discrete Mathematics
14	9-Dec	Prof. Satyam Kalyane	AI in Civil Engineering
15	16-Dec	Prof. Atul Gore	AI in Physical Education

Training Coordinator
Ms. Supriya Kumbhar



H.O.D.
Dr. Kiran Devade

Note: Merging Conditions only based on : 1) SPPU Exam / IGI events / Issues / Rediness



Ref. No: ICEM/SAI /2023-24 /

Date:10/09/2023

Report on

Date: 9th September, 2023.

Mode & Venue: Online through MS Teams

Link to join:

https://teams.microsoft.com/l/meetupjoin/19%3ameeting_NmEzYTAwMmItMDNjNS00NjMxLWE3NmUtNjf0NDJiODI0OWM540thread.v2/0?context=%7b%22Tid%22%3a%2274ce676a-aa6e-41c1-bc31-f80e23d060ce%22%2c%22Oid%22%3a%22c03b6eff-e0f0-4581-b1aa-c502841253c4%22%7d

Details of the Session:

As a part of the Scope of Artificial Intelligence in different subjects, the FE department has started the conduction of sessions on its scope with live examples and case studies of AI. In the eve of the session start Dr. Kiran Sir was conducted a beautiful session with a history of Artificial Intelligence and the founder of AI explained very well. Sir also talked on the story of “Myth of Pygmalion and Galatea”, NLP in AI, etc.

Few Glimpses:

The screenshot shows a Microsoft Teams meeting interface. At the top, there's a header bar with tabs for Chat, People (which is selected), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. The main video feed on the left shows a man with grey hair, identified as Dr. Kiran Devade. Below the video feed, the title of the session is displayed: "Spectrum of Artificial Intelligence" and "Dr. Kiran Devade". On the right side, there's a "Participants" list showing several attendees, including Mandakini Dahiwade, Manjusha, Mayur Naple, Pratima Uploankar, ICEM Pranjali Go... (Guest), Abhi yadav (Guest), and Aditya Dhaygude (Guest). The bottom of the screen shows a taskbar with various application icons and system status indicators like battery level and network connection.



INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Parandwadi, Pune – 410506, Ph. 02114 661500, www.indiracem.ac.in

001

A Microsoft Teams meeting interface. On the left, a sidebar shows activity, chat, teams, assignments, calendar, calls, and apps. The main area displays a presentation slide about John McCarthy. The slide features a black and white photo of John McCarthy sitting at a desk with a computer monitor. To the right of the photo, his name 'John McCarthy' is displayed, followed by the title 'Father of AI', 'American Scientist', '1956', 'LISP Language', and 'Fortran'. On the far right, a participant list shows 'Kiran Devade' (host), 'ICEM KRIS...', 'Kiran Devade', 'ICEM SURE...', 'ICEM ADIT...', 'Sujit (Guest)', and 'View all'. A video feed of Kiran Devade is visible at the bottom right.

A Microsoft Teams meeting interface. The sidebar and main presentation area are identical to the first screenshot, showing the same presentation slide about John McCarthy. The participant list on the right shows 'Kiran Devade' (host), 'ICEM KART...', 'Kiran Devade', 'ICEM SURE...', 'ICEM ADIT...', 'Sujit (Guest)', and 'View all'. A video feed of Kiran Devade is visible at the bottom right.

FE Coordinator
Assist. Prof. Supriya Kumbhar



HOD, FE
Dr. Kiran Devade



Department of Computer Engineering

Ref. No: ICEM/COMP/2023-24/

Date: 9th Sept 2023

Notice

All Students of BE are hereby informed that 30hrs Certification Course under VAC (Value Added Course) on Advanced Python is scheduled from 11th to 15th Sept 2023. Therefore, all should have to attend compulsory otherwise strict action will be taken if your attendance is not 100%.

The details are as follows.

Date: 11th to 15th September 2023

Time: 10:00 AM-5:00 PM

Mode: Offline

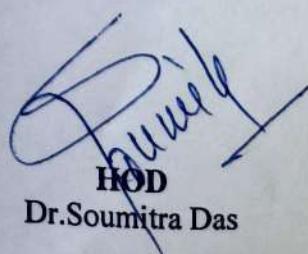
Venue: CKP hall, 4th Floor Computer Engineering

Note:

- Attendance is Compulsory otherwise Rs.500 should be fine per day.
- Uniform and ID Card is Mandatory.


VAP Coordinator
Prof.Reshma Kohad




HOD
Dr.Soumitra Das

Savitribai Phule Pune University
Third Year of Computer Engineering (2019 Course)
Value Addition Program

Teaching Scheme:

Course: Advanced Python(TE)

Prerequisite Courses: basics python library and function knowledge is essential
 basic understanding of data analysis is required

Course Objectives:

- To Explore the latest Visualization and data Manipulation Concept.
- To Familiarize with the core concepts of frontend and backend programming.
- To Explore the latest libraries using advance program.

Course Outcomes:

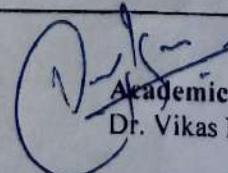
After learning the course, students will be able to:

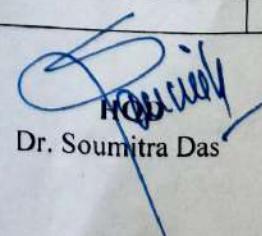
- Implement different Libraries for functions analyzing and manipulating.
- Explore the latest features of Numpy, Pandas & other Libraries.
- Implement data visualization and Module Building.

Detailed Syllabus

UNIT	Description	Duration (Hr)
I	Introduction to Python: Basics of Python, Installation Process , different Function, Overview of libraries, Standard Modules & Packages in python	06
II	Implementation of Seaborn Library Introduction of seaborn, Installation of seaborn library, overview of seaborn plotting function, seaborn object, properties. Styling and Themes in Seaborn Plotting chart using different function. Case study: Design plot graph of Height and Weight	08
III	Implementation of Numpy and Panda Library : Introduction of Numpy & Pandas Library, Installation Process, Handleing Data Structure using Numpy, Data Frames Using Pandas Data Manipulation using Numpy and Pandas Case Study :	08
IV	Introduction of Scikit-learn and Matplotlib Library: • Overview of scikit Library, Installation of scikit, features of scikit, Model Processing, data representation, Implementation of Linear Modelling. Overview of Matplotlib Library, Installation of Matplotlib, Library, Plotting Section in Matplotlib. Implementation of Example using Matplotlib Library Case study: i) Estimate API using linear Regression ii) How to Plot List of X, Y Coordinates in Matplotlib	08
		30 (Hr)


VAP Coordinator
 Prof.Reshma Kohad


Academic Coordinator
 Dr. Vikas Nandgaonkar


HOD
 Dr. Soumitra Das





Date: 15/09/2023

Event Report**Academic Year: 2023-24****Semester-I****Name of the event:** Five days Workshop on "Learning Advance Python with Hands-on Practice"

Date and Time	11/09/2023 to 15/09/2023, 10.00 AM - 05.00 PM
Event Venue	Indira College of Engineering and Management, Parandwadi, Pune
Organized by	Department of Computer Engineering
Targeted Audience	T.E. Students of ICEM, Parandwadi, Pune
Resource Person	Prof. Tushar Kute, MITU Skillologies, Pune, India

Event Contents:

1. Understanding the concepts of Advance Python.
2. Hands-on practice on Advance Python.

Details of the event:

The Department of Computer Engineering of ICEM, Parandwadi, has organized a five days Workshop on "**Learning Advance Python with Hands-on Practice**" from **11th September 2023 to 15th September 2023** by inviting an eminent guest to deliver sessions on concepts of Advance Python.

The session speaker **Prof. Tushar Kute** had a nice talk on the basic understanding and the concepts of Data structures, Datasets, and programming with real time examples.

Day	Topics covered
Day 1	Python Basics and Data Structures Python syntax and essential concepts. Data structures: list, tuple, set, and dictionary. Introduction to linear algebra and linear regression.
Day 2	Numpy and Pandas





Indira College of Engineering and Management

Department of Computer Engineering



	In-depth study of Numpy for numerical computing. Comprehensive understanding of Pandas for data manipulation.
Day 3	Advanced Pandas Techniques Utilized Pandas for data appending, concatenation, merging, and joining. Explored string functions, data export, cleaning, and scaling.
Day 4	Data Visualization with Matplotlib Data visualization with Matplotlib. Various plots, including line plots.
Day 5	Tkinter, Machine Learning, and Regression Tkinter for building graphical user interfaces. Introduction to machine learning concepts. Classification, regression, and unsupervised learning. Regression Analysis Regression analysis as a statistical method for understanding relationships between variables. Importance of dependent and independent variables. Practical application of linear regression. Data preprocessing techniques like feature scaling and cleaning. Basics of classification algorithms. Introduction to unsupervised learning and clustering.

He had a very interactive session with the students and it was an effective two-way communication of the speaker and the participants.

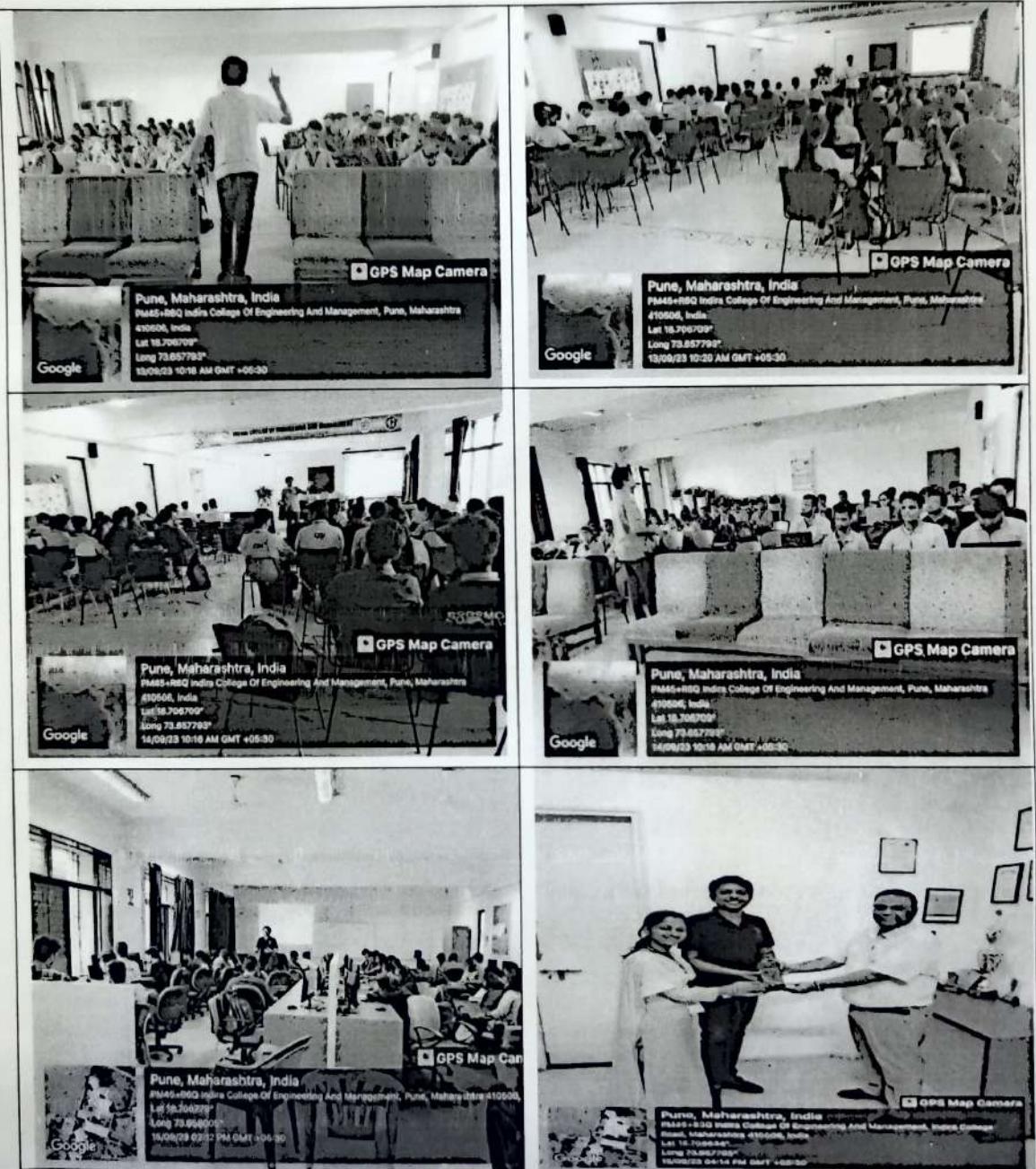




SHREE CHANAKYA EDUCATION SOCIETY'S

Indira College of Engineering and Management

Department of Computer Engineering



Prof. Harshal Mahajan
(Event Coordinator)



Dr. Soumitra Das
(HoD, Dept. of Computer Engg.)

Introduction to Training Topics

Welcome to our upcoming training program, where we will embark on an exciting journey into the world of Civil Engineering and the powerful tools it encompasses. Over the course of four intensive days, we will dive deep into key topics designed to equip you with practical knowledge and skills that are essential in today's dynamic Civil Engineering landscape.

By the end of these Five days(30 Hr), Students not only have gained a profound understanding of these crucial topics but also practical skills that can propel your career in Civil Engineering forward. We encourage active participation, open dialogue, and hands-on learning throughout the program.

So, let's embark on this knowledge-packed journey together. Get ready to explore, learn, and grow as we dive into the world of Civil Engineering, BIM, Revit, and the exciting possibilities of Artificial Intelligence. Let's make the most of this opportunity to enhance our skills and stay at the forefront of innovation in the industry.

Technical Week		
Course Content		
Days	Topics	Hrs
Day 1	Mindset of civil student and Indutry requirment	6
	Overview of Building Information Modeling (BIM) and its importance	
	Overview of Revit and its benefits Test 1	
	Artificial intelligence & Civil Industry	
	Basics of Revit	
	Understanding the Interface	
	Navigating the Revit interface, including the Ribbon, Properties panel, and Project browser	
Customizing the interface and general options, Navigation, Zooming, panning, and rotating the view"		

Day 2	Project 1: Simple House	6
	Setting up a project	
	Creating levels and walls	
	Selecting objects and using filters	
	Adding floors, doors, windows,	
Day 3	adding components	6
	Adding families downloading families	
	stairs, and railing	
Day 4	Section	6
	Camera	
	walkthrough	
Day 5	Rendering	6
	Sheets	
	LinkedIn profile with respect to Civil Engineer	
	Role Artificial intelligence in Civil Engineering and how to Prepre for new era of A.I. as a Civil Engineer	
	Test	





Ref: ICEM/MCA/2024/116

Date: 07/03/2024

Department of MCA

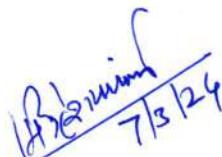
NOTICE

This is to inform all FYMCA (SEM-I) students that, 30Hrs. "**Certification Course on Advance Java Spring Hibernate & Collection Framework, Selenium Hands on training**" is scheduled from 11/03/2024 to 15/03/2024.

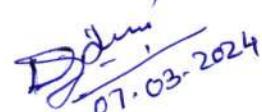
Attendance is compulsory and will be strictly monitored.

Venue: MCA Classroom 4th floor ICEM- MCA From 10.30am to 5pm

Note: 9.40am to 10.30am First Lecture will be as per timetable


Prof. Milind P. Deshpande
Course Coordinator




Dr. Darshana Desai
HOD-MCA



ICEM/MCA/2024

Department of MCA

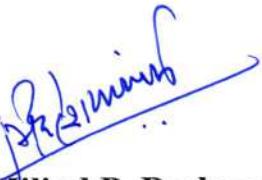
Date: : 16/03/2024

Session Planner "Advance Java Spring Hibernate & Collection Framework, Selenium Hands on training" 2023-2024

Class: FYMCA – Sem II

Time: 10.30 am to 5.00pm

Sr. No.	Date	Subject/Topic
1.	11/03/2024	Introduction to java, Exception Handling Collection framework, Database programming with JDBC
2.	12/03/2024	Spring Core Basics, Spring Introduction, Spring Architecture, Spring Environment Setup, Spring Example Spring IoC Containers, Spring - Bean Definition Spring - Bean Scopes, Spring Bean Life Cycle Spring Bean Post Processors, Spring Dependency Injection
3.	13/03/2024	Hibernate Introduction, Hibernate Architecture Hibernate and Java Persistence API (JPA) Hibernate Project Dependencies, Domain Model Classes Hibernate Mapping XML Configuration, Hibernate Configuration Files, Hibernate Session Factory Hibernate Annotation
4.	14/03/2024	Selenium WebDriver, Selenium WebDriver WebDriver Vs RC WebDriver, Installation First Test Case WebDriver ,Commands Running Test on Chrome Running Test on Firefox Running
5.	15/03/2024	Drop-Downs WebDriver-Drag and Drop WebDriver-a Web Page WebDriver - Browser Commands WebDriver – Navigation Commands WebDriver – Web Element Commands Handling Radio Buttons Handling Checkbox Selenium


Prof. Milind P. Deshpande
Course Coordinator




Dr. Darshana Desai
HOD-MCA



ICEM/MCA/2023-24

Department of MCA

Date: 16/03/2024

Report on 30 Hrs. "Advance Java Certification Course"

Date: 11/03/2024 to 15/03/2024

Participants: FYMCA students

Venue: FYMCA Classroom

Trainer: Mr. Sachin Lohar – Freelance Corporate Trainer

Brief Description:

The Advance Java Certification Program for FY MCA students was conducted in the MCA Department from 11/03/2024 to 15/03/2024. The program aimed to provide students with in-depth knowledge and practical experience in various Advance Java Programming topics.

Throughout the five sessions, the students were exposed to essential of all Advance Java Programming. Each session included both theoretical explanations and hands-on exercises to reinforce learning.

Which also covers the following topics in details with hands on training

SN	Module	Sub Topics
1	Advance JAVA	Introduction to java
		Exception Handling
		Collection framework
		Database programming with JDBC
2	Spring	Spring Core Basics
		Spring Introduction
		Spring Architecture
		Spring Environment Setup
		Spring Example
		Spring IoC Containers
		Spring - Bean Definition
		Spring - Bean Scopes
		Spring Bean Life Cycle
		Spring Bean Post Processors



		Spring Dependency Injection
3	Hibernate	Hibernate Introduction
		Hibernate Architecture
		Hibernate and Java Persistence API (JPA)
		Hibernate Project Dependencies
		Domain Model Classes
		Hibernate Mapping XML Configuration
		Hibernate Configuration Files
		Hibernate Session Factory
		Hibernate Annotation
		Selenium WebDriver
4	Selenium with JAVA	Selenium WebDriver
		WebDriver Vs RC WebDriver
		Installation First Test Case WebDriver
		Commands Running Test on Chrome Running Test on Firefox Running
		Drop-Downs WebDriver-
		Drag and Drop WebDriver-
		a Web Page WebDriver - Browser Commands Web- Driver –
		Navigation Commands WebDriver –
		Web Element Commands Handling
		Radio Buttons Handling Checkbox Selenium

Finally, the students learned about the Advance Java using above topics and a small project is assigned to them.

The students actively participated in the sessions, and their progress was assessed through

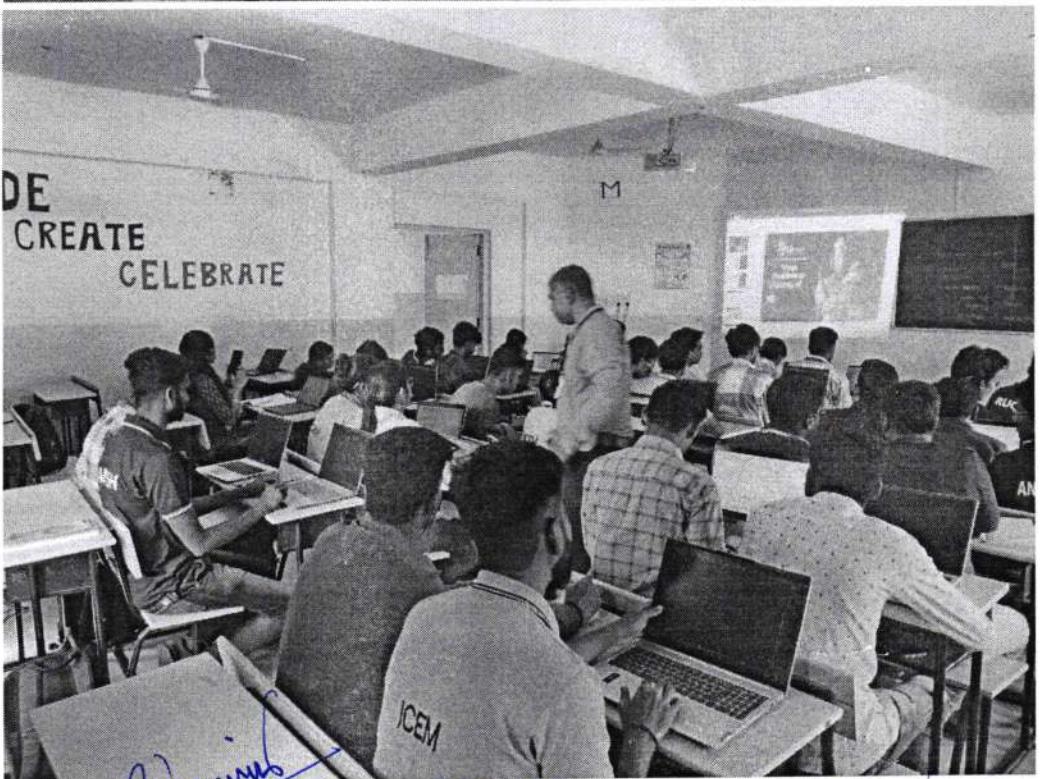
Practical assignments and quizzes. At the end of the program, each student received a certification of completion, acknowledging their dedication and successful completion of the Advance Java Certification Program.



SHREE CHANAKYA EDUCATION SOCIETY'S

INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Approved By AICTE New Delhi, DTE (MS) and Affiliated to Pune University (Id-No. PU/PN/Engg/282/2007)



Prof. Milind P. Deshpande
Course Coordinator



Dr. Darshana Desai
HOD-MCA

FeedBack 30Hrs.Advance Java Certification Course

Is your Trainer convincing How much Please rate trainer in making the student get interested in the subject/topic c.										Choose the delivery modes used during training session (You can select more than two options)										Any other feedback									
ID	Email	Name	Modatre	Yes	4	Oral Narration;	Selenium	Selenium	He is good	Yes	N/a	N	N	Projector Demon Reacts js or angular Selenium WebDr	N/a	Yes	Class participation and interaction were encouraged												
1	atharv.goliwar@indiraicet.in	atharv goliwar	Excellent	Good	Enough AdeqI Yes	4	Oral Narration;	Selenium	Selenium	He is good	Yes	N/a	N	Projector Demon Reacts js or angular Selenium WebDr	N/a	Yes	Class participation and interaction were encouraged												
2	avinash.dharme@indiraicet.in	avinash dharme	Good	Good	Excellent	Yes	4	Oral Narration;	N	N	N	N	N	Projector Demon Reacts js or angular Selenium WebDr	N/a	Yes	Class participation and interaction were encouraged												
3	tushar.netale@indiraicet.in	tushar netale	Excellent	Good	Excellent	Yes	4	Slides Presentation	spring boot	Selenium	WebDr	Helpful Session	Yes	Slides Presentation	spring boot	Selenium	WebDr	Helpful Session	Yes	Class participation and interaction were encouraged									
4	vishnavi.shinde@indiraicet.in	vishnavi shinde	Good	Good	Excellent	Yes	4	Slides Presentation	Micro services	Selenium	WebDr	Helpful Session	Yes	Slides Presentation	Micro services	Selenium	WebDr	Helpful Session	Yes	Class participation and interaction were encouraged									
5	mrunal.mankar@indiraicet.in	mrunal mankar	Excellent	Excellent	Excellent	Yes	4	Oral Narration;	More about Java	Selenium	WebDr	No thanks	Yes	Oral Narration;	More about Java	Selenium	WebDr	No thanks	Yes	Class participation and interaction were encouraged									
6	aman.kumar@indiraicet.in	aman kumar	Excellent	Excellent	Excellent	Yes	5	Oral Narration;	More about Java	Selenium	WebDr	No thanks	Yes	Oral Narration;	More about Java	Selenium	WebDr	No thanks	Yes	Class participation and interaction were encouraged									
7	gaurav.pate@indiraicet.in	gaurav pate	Excellent	Excellent	Excellent	Yes	4	Desk to desk Exp	Mern stack	Selenium	WebDr	No	Yes	Desk to desk Exp	Mern stack	Selenium	WebDr	No	Yes	Class participation and interaction were encouraged									
8	dnyaneshwar.kankale@iitk.ac.in	dnyaneshwar kan kankale	Excellent	Excellent	Excellent	Yes	5	Desk to desk Exp	Fullstack web dev	Selenium	WebDr	Wants same sessi	Yes	Desk to desk Exp	Fullstack web dev	Selenium	WebDr	Wants same sessi	Yes	Class participation and interaction were encouraged									
9	hitesh.marathe@indiraicet.in	hitesh marathe	Good	Good	Enough AdeqI Yes	4	Projector Demon	Figma, nodejs , o	Selenium	WebDr	NA	Yes	Projector Demon	Figma, nodejs , o	Selenium	WebDr	NA	Yes	Class participation and interaction were encouraged										
10	shivam.giri@indiraicem.edu.in	shivam giri	Good	Good	Enough AdeqI Yes	4	Slides Presentatio	MERN Stack	Selenium	WebDr	More interactive : Yes	Yes	Slides Presentatio	MERN Stack	Selenium	WebDr	More interactive : Yes	Yes	Class participation and interaction were encouraged										
11	ganesh.lawand@indiraicet.in	ganesh lawand	Excellent	Excellent	Excellent	Yes	5	Projector Demon	Slides Presentatio	MERN Stack	Selenium	WebDr	Yes	Projector Demon	Slides Presentatio	MERN Stack	Selenium	WebDr	Yes	Class participation and interaction were encouraged									
12	gupta.ishita@indiraicem.edu.in	gupta ishita	Good	Good	Enough AdeqI Yes	4	Slides Presentatio	Machine Learnin	Selenium	WebDr	More such sessi	Yes	Slides Presentatio	Machine Learnin	Selenium	WebDr	More such sessi	Yes	Class participation and interaction were encouraged										
13	snehal.nayagave@indiraicet.in	snehal nayagave	Excellent	Excellent	Enough AdeqI Yes	5	Slides Presentatio	Spring	Selenium	WebDr	No	Yes	Slides Presentatio	Spring	Selenium	WebDr	No	Yes	Class participation and interaction were encouraged										
14	priyanka.patare@indiraicet.in	priyanka patare	Good	Good	Enough AdeqI Yes	3	Oral Narration;SI	Selenium	WebDr	None.	May Be	Yes	Oral Narration;SI	Selenium	WebDr	None.	May Be	Yes	Class participation and interaction were encouraged										
15	saurabh.kothawade@iitk.ac.in	saurabh kothawade	Good	Good	Enough AdeqI Yes	4	Slides Presentatio	Generative AI, CI	Selenium	WebDr	NA	Yes	Slides Presentatio	Generative AI, CI	Selenium	WebDr	NA	Yes	Class participation and interaction were encouraged										
16	om.vakhariya@indiraicet.in	om vakhariya	Good	Enough AdeqI Yes	4	Slides Presentatio	Selenium more e	Selenium	WebDr	No	Yes	Slides Presentatio	Selenium more e	Selenium	WebDr	No	Yes	Class participation and interaction were encouraged											
17	more.pratik@indiraicet.in	more pratik	More	Excellent	Excellent	Yes	5	Oral Narration;SI	None.	Selenium	WebDr	None.	Yes	Oral Narration;SI	None.	Selenium	WebDr	None.	Yes	Class participation and interaction were encouraged									
18	apurwa.raibole@indiraicet.in	apurwa raibole	Excellent	Excellent	Excellent	Yes	5	Desk to desk Exp	Full stack web de	Selenium	WebDr	NA	Yes	Desk to desk Exp	Full stack web de	Selenium	WebDr	NA	Yes	Class participation and interaction were encouraged									
19	shivam.sagar@indiraicet.in	shivam sagar	Excellent	Excellent	Enough AdeqI Yes	4	Projector Demon	Artificial intellige	Selenium	Archite	It was very good s	Yes	Projector Demon	Artificial intellige	Selenium	Archite	It was very good s	Yes	Class participation and interaction were encouraged										
20	omkar.andure@indiraicet.in	omkar andure	Excellent	Excellent	Enough AdeqI Yes	4	Projector Demon	Cloud computing	Selenium	WebDr	Yes	Yes	Projector Demon	Cloud computing	Selenium	WebDr	Yes	Yes	Class participation and interaction were encouraged										

Omkar Andure



Dinesh

Subject: 30 Hrs. Certification Course on "Advance Java Spring Hibernate & Collection Framework, Selenium Hands on training" Commencing from 11th March. 2024

Report**Date****Time:**

S. r.	Ro II	Name	Advance Java(20)	Spring (20)	Hibernate t(20)	Selenium (20)	Involvement (20)	Total	Remark
1	81101	ABHINAV SANJAY DHOLE							
2	81102	ABHISHEK SUNIL BALASKAR	16	14	14	13	15	72	the very good student technically also sound
3	81103	ADITYA SANDIP AHER						0	
4	81104	AMAN KUMAR	11	10	10	10	11	52	need to practice more and interactive in session
5	81105	ANDURE OMKAR SOMNATH							
6	81106	ASHISH MOHAN CHANDERE							
7	81107	AVINASH SHANKAR DHARME							
8	81108	AZAD ZEBA SHAHEZAD							
9	81109	BARVE ADESH SHANKAR							
10	81110	DANDEL SNEHAL SANJAY							
11	81111	DAREKAR DHANASHREE RAMES	11	10	10	10	11	52	need to practice more and interactive in session
12	81112	DESALE RUSHIKESH RAMESH	11	10	10	10	11	52	need to practice more and interactive in session
13	81113	DHAGE VAISHNAVI SHANKAR							
14	81114	DHUMAL PRATHAMESH MAHENDRA							
15	81115	GAIKWAD SATYAJEEV VIJAY	16	15	15	13	15	74	attentive in session and interactive in session one of
16	81116	GANORE DURGESH VIJAY							
17	81117	GAURAV SURESH PATE	11	10	10	10	11	52	need to practice more and interactive in session
18	81118	GAYATRI MANOHAR JANGWAD	11	10	10	10	11	52	need to practice more and interactive in session
19	81119	GHULE DEVENDRA DHANANJAY							
20	81120	GOLIWAR ATHARV ULHAS							



21	81121	GOPAL JAYSINGRAO GHUGE	11	10	10	10	11	52 need to practice more and interactive in session
22	81122	GUPTA RANJEET RAKESH	11	10	10	10	11	52 need to practice more and interactive in session
23	81123	HULAWALE KANCHAN RAM						
24	81124	IDHATE SACHIN SURESH	11	10	10	10	11	52 need to practice more and interactive in session
25	81125	INGALE ANEESH RAHUL						
26	81126	ISHITA GUPTA	16	15	15	13	15	74 attentive in session and interactive in session one of
27	81127	JADHAV MAYUR KAILAS						
28	81128	JAIRMOD VIJAYKUMAR VISHWAMBAR						
29	81129	KAMDI HEMANT SURESH						
30	81130	KANKALE DNYANESHWAR MAN	14	13	14	13	15	69 the very good student technically also sound
31	81131	KOTHAWADE SAURABH MADHU	14	13	14	13	15	69 the very good student technically also sound
32	81132	LAWAND GANESH SADASHIV						
33	81133	MANKAR MRUNAL PRADEEP						
34	81134	MARATHI HITESH DNYANESHWAR						
35	81135	MESHRAM HIMANSHU PRASHA	16	15	15	13	15	74 attentive in session and interactive in session one of
36	81136	MORE PRATIK YOGENDRA	14	13	14	13	15	the very good student technically also sound
37	81137	NAYAGAVE SNEHAL PRABHAKAR	14	13	14	13	15	74 attentive in session and interactive in session one of
38	81138	NERKAR CHETAN VIJAYKUMAR	11	10	10	10	11	the very good student technically also sound
39	81139	NETALE TUSHAR HARIDAS						
40	81140	OM NILESH VAKHARIYA	10	10	10	10	8	48 need to practice more and not focusing in session.
41	81141	OVHAL SUMEDH SIDHARTH						
42	81142	PATARE PRIYANKA VISHNU						
43	81143	PATIL ANIKET NARSU	11	10	10	10	11	52 need to practice more and interactive in session
44	81144	PATIL KEDAR BHAUZO						

45	81145	PATIL SAURAV VINAYAK	14	13	14	13	15	attentive in session and interactive in session one of the very good student technically also sound
46	81146	PHADATARE SHREYASH RAMAKANT						
47	81147	POL OMKAR DATTATRAY	16	15	15	13	15	attentive in session and interactive in session one of the very good student technically also sound
48	81148	PRANALI SHRIKRUSHNA DHONE						
49	81149	PRATHAMESH MAHENDRA KAMBLE						
50	81150	PUSHPAK GANESH SAKHARKAR						
51	81151	RAIBOLE APURWA DHANANJAY						
52	81152	RUGVED SUNIL GHIRNIKAR	14	13	14	13	15	attentive in session and interactive in session one of the very good student technically also sound
53	81153	SAGAR HITESH MAHENDRA	11	10	10	10	11	need to practice more and interactive in session
54	81154	SAGAR SHIVAM SHASHIKANT						
55	81155	SAKSHI PRASHANT PAWAR	14	13	14	13	15	attentive in session and interactive in session one of the very good student technically also sound
56	81156	SALVI ANIKET RAMDAS						
57	81157	SAURABH SAMBHAI DHONUKS	11	10	10	10	11	need to practice more and interactive in session
58	81158	SHAHANE ABHISHEK AJIT						
59	81159	SHELAR ADITYA DNYANDEV						
60	81160	SHINDE VAISHNAVI SUNIL	11	10	10	10	11	need to practice more and interactive in session
61	81161	SHIVAM GIRI						
62	81162	SHRIVARDHAN DILIP KUMBHAR	11	10	10	10	11	need to practice more and interactive in session
63	81163	SHWETA KASHISH	11	10	10	10	11	need to practice more and interactive in session
64	81164	SONAWANE ANIRUDDHA BABAI	14	13	14	13	15	attentive in session and interactive in session one of the very good student technically also sound
65	81165	TEMBARE SHIVAM SURESH						
66	81166	VARPE AKSHAY KISHOR						

67	81167	VIVEK SUNILBHAI CHANDAK	11	10	10	10	11	52 need to practice more and interactive in session
68	81168	VYSHNAVANAND M						

~~Mr.Milind P Deshpande
Dept. Training Coordinator~~


Dr. Darshana Desai
HOD MCA



Syllabus

MODULE 1: BASICS of DIGITAL MARKETING

- Introduction To Online Digital Marketing
- Importance Of Digital Marketing
- How did Internet Marketing work?
- Traditional Vs. Digital Marketing
- Types of Digital Marketing
- Increasing Visibility
- Visitors' Engagement
- Bringing Targeted Traffic
- Lead Generation

MODULE 2: ANALYSIS AND KEYWORD RESEARCH

- Market Research
- Keyword Research And Analysis
- Types Of Keywords
- Tools Used For Keyword Research
- Localized Keyword Research
- Competitor Website Keyword Analysis
- Choosing Right Keywords To The Project

MODULE 3: SEARCH ENGINE OPTIMIZATION (SEO)

- Introduction To Search Engine Optimization
- How Did Search Engine work?
- SEO Fundamentals & Concepts
- Understanding the SERP
- Google Processing
- Indexing
- Crawling

MODULE 4: ON-PAGE OPTIMIZATION

- Domain Selection
- Hosting Selection
- Meta Data Optimization
- URL Optimization
- Internal Linking
- 301 Redirection
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- Canonical Implementation
- H1, H2, H3 Tags Optimization
- Image Optimization

MODULE 5: OFF-PAGE OPTIMIZATION

- Link Building Tips & Techniques
- Difference Between White Hat And Black Hat SEO
- Link Acquisition Techniques
- Directory Submission
- Social Bookmarking Submission
- Search Engine Submission
- Web 2.0 Submission
- Article Submission
- Image Submission
- Video Submission
- Forum Submission
- PPT Submission
- PDF Submission
- Classified Submission
- Business Listing
- Blog Commenting
- Citations
- Profile link creations
- Infographics Submission

MODULE 6: SEO UPDATES AND ANALYSIS

- Google Panda,
- Penguin,
- Humming Bird Algorithm
- Google Penalties
- SEO Tools For Website Analysis And Optimization
- Competitor Website Analysis And Backlinks Building
- Backlinks Tracking, Monitoring, And Reporting

MODULE 7: LOCAL BUSINESS & GOOGLE MAPPING

- Creating Local Listing In Search Engine
- Google Places Setup (Including Images, Videos, Map Etc)
- Search Engine Visibility Reports
- Verification Of Listing

- Google Reviews

MODULE 8: GOOGLE ADWORDS OR PAY PER CLICK MARKETING (SEM)

- Google Adwords
- Introduction To Online Advertising And Adwords
- Adwords Account And Campaign Basics
- Adwords Targeting And Placement
- Adwords Bidding And Budgeting
- Adwords Tools
- Opportunities
- Optimizing Performance
- Ads Type
- Bidding Strategies
- Search Network
- Display Network
- Shopping Ads
- Video Ads
- Universal App Ads
- Tracking Script
- Remarketing
- Performance Monitoring
- Reports

MODULE 9: SOCIAL MEDIA OPTIMIZATION (SMO)

- Social Media Optimization
- Introduction To Social Media Networks
- Types Of Social Media Websites
- Social Media Optimization Concepts
- Facebook, Google+, LinkedIn,
- YouTube, Pinterest,
- Hashtags
- Image Optimization

MODULE 10: GOOGLE WEB ANALYTICS

- Getting Started With Google Analytics
- Navigating Google Analytics
- Audience
- Acquisition
- Traffic Sources

- Behavior
- Content
- Visitors
- Live Data
- Demographics

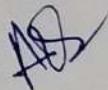
MODULE 11: CREATING A NEW SIMPLE WEBSITE

- Creating A Simple Website For Your Business



Dr. Priyanka Pawar

Faculty Coordinator



Dr. Archana Salve

HOD, MBA





Format No.: ICEM/IQAC/23-24/Acad-10

Date: 9/03/2024

Department of Artificial Intelligence and Data Science

Data Science Using Python Training Day wise Plan

Class: SE

Duration: 11th March to 15th March 2024

Day 1: Introduction to Data Science

On the first day of the program, participants will delve into the foundational concepts of data science, gaining insight into its applications and significance. The session will set the stage for an immersive exploration of this dynamic field.

Day 2: Data Collection and Preprocessing

1. Importance of Data Collection- Collecting relevant and accurate data is crucial for insightful analysis and informed decision-making.
2. Different Sources of Data- Data can be sourced from databases, surveys, social media, IoT devices, and more, each requiring different handling.
3. Data Preprocessing Techniques- Techniques like cleaning, transformation, and normalization are essential for preparing raw data for analysis.

Day 3: Exploratory Data Analysis

1. Data Exploration- Understanding the structure and content of the dataset through summarization and visualization.
2. Statistical Analysis- Utilizing statistical methods to identify patterns, trends, and correlations in the data.
3. Feature Selection- Identifying and selecting relevant features that contribute to predictive modeling and analysis.

Day 4: Machine Learning Algorithms

1. Introduction to machine learning- An overview of machine learning and its applications in data science.
2. Supervised and unsupervised learning- Understanding the differences between supervised and unsupervised learning methods.
3. Regression and classification algorithms- Exploring regression and classification algorithms for predictive modeling and pattern recognition.

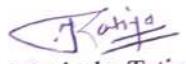


Day 5: Advanced Topics in Data Science

1. Deep Learning and Neural Networks Explore advanced machine learning techniques like deep neural networks and their applications in data science.
2. Natural Language Processing Learn about processing and analyzing human language data using computational methods and algorithms.
3. Time Series Analysis Understand the analysis and prediction of time series data, essential for forecasting and trend identification


Prof. Deepa Padwal
Academic Coordinator




Dr. Manjusha Tatiya
HOD



Date: 16th March 2024

Department of Artificial Intelligence and Data Science

Bridge Course Report: Data Science Using Python

Date: 11th March to 15th March 2024

Venue: Classroom No. 19

Time: 10:30 am to 11:30 pm

Introduction: The Bridge Course on "Data Science Using Python" was conducted at the AI and DS Department from 11th March to 15th March 2024. The primary objective of the course was to provide foundational knowledge and hands-on experience in Python programming and its application in data science.

Course Structure: The course was designed to cover essential concepts in Python programming and data science, catering to participants with varying levels of expertise. It consisted of lectures, practical sessions, and assignments, ensuring a balanced mix of theoretical understanding and practical implementation.

Key Topics Covered:

1. Introduction to Python Programming: Basics of Python syntax, data types, control flow statements, functions, and modules.
2. Data Manipulation with Pandas: Data structures, data cleaning, manipulation, and analysis using the Pandas library.
3. Data Visualization: Plotting various types of graphs and visualizations to explore and communicate insights from data.
4. Introduction to Machine Learning: Overview of machine learning concepts, algorithms, and their implementation using libraries.
5. Hands-on Projects: Participants worked on real-world datasets to apply the concepts learned during the course, reinforcing their understanding through practical application.





Course Delivery:

- Lectures: Interactive session led by experienced instructor by Mr. Shaik Abdul Hafeez, provided a comprehensive understanding of the theoretical concepts.
- Practical Sessions: Hands-on exercises allowed participants to apply Python programming and data science techniques in a guided environment.
- Assignments: Regular assignments encouraged participants to practice and reinforce their learning outside of the classroom.
- Project Work: Participants collaborated on projects, applying their knowledge to solve practical data science problems.

Participant Feedback: Feedback from participants was overwhelmingly positive, with many expressing appreciations for the well-structured curriculum and the hands-on approach. Participants particularly enjoyed the opportunity to work on real-world projects, which enhanced their practical skills and confidence in applying data science techniques.

Conclusion: The Bridge Course on "Data Science Using Python" provided participants with a solid foundation in Python programming and its application in data science. By covering essential concepts and facilitating hands-on learning, the course equipped participants with the skills and knowledge necessary to embark on their journey in data science. The success of the course underscores the department's commitment to fostering excellence in AI and data science education.

Prepared by

Academic Coordinator

Prof. Deepa Padwal

Submitted To

HoD

Dr. Manjusha Tatiya





Few Glimpses of the Session:

