



## Academic Year: 2022-23

### Skill Oriented Course-I

S.No.	Sem & Section	Title	Date (From -to)
1.	III SEM CSE-C&D	AZURE (AZ-900)	01/11/2022 to 05/11/2022
2.	III SEM CSE-A&B	AZURE (AZ-900)	26/10/2022 to 31/10/2022

### Skill Oriented Course-II

S.No.	Sem & Section	Title	Date (From -to)
1.	IV SEM CSE-C&D	Advanced Python Programming	25/04/2023 to 29/04/2023
2.	IV SEM CSE-A&B	Advanced Python Programming	24/04/2023 to 28/04/2023

### Skill Oriented Course-III

S.No.	Sem & Section	Title	Date (From -to)
1.	V SEM CSE-A,B,C&D	Verbal & Soft Skills	03/11/2022 to 12/11/2022

### Skill Oriented Course-IV

S.No.	Sem & Section	Title	Date (From -to)
1.	VI SEM CSE-A,B,C&D	ReactJS	23/01/2023 to 06/02/2023

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**Vision:** To evolve as a centre of academic and research excellence in the area of Computer Science and Engineering.

**Mission:** To utilize innovative learning methods for academic improvement.

To encourage higher studies and research to meet the futuristic requirements of Computer Science and Engineering.

To inculcate Ethics and Human values for developing students with good character.



**SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)**

**PEDATADEPALLI, TADEPALLIGUDEM-534 101, W.G.Dist.**

**Department of Computer Science & Engineering (Accredited by NBA)**

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**Skill Oriented Course-I**

<b>S.No.</b>	<b>Sem &amp; Section</b>	<b>Title</b>	<b>Date (From -to)</b>
3.	III SEM CSE-C&D	AZURE (AZ-900)	01/11/2022 to 05/11/2022
4.	III SEM CSE-A&B	AZURE (AZ-900)	26/10/2022 to 31/10/2022

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## Syllabus Details

### AZURE (AZ-900)

**Course Outcomes: After Successful completion of the Course, the student will be able to:**

- CO1:** Describe several cloud services and types of cloud computing. [K1]  
**CO2:** Explain core Azure - architectural components and resources. [K2]  
**CO3:** Use Azure management tools and core solutions available in Azure. [K3]  
**CO4:** Illustrate Azure security , Azure network security features, identity, governance, privacy and compliance resources. [K3]  
**CO5:** Illustrate planning and managing costs, Azure Service Level Agreements(SLAs) and service lifecycles. [K3]

### **Topics Covered:**

#### 1. Describe Cloud Concepts

- Identify the benefits and considerations of using cloud services
- Describe the differences between categories of cloud services
- Describe the differences between types of cloud computing

#### 2. Describe Core Azure Services

- Describe the core Azure architectural components
- Describe core resources available in Azure

#### 3. Describe core solutions and management tools on Azure

- Describe core solutions available in Azure
- Describe Azure management tools

#### 4. Describe general security and network security features

- Describe Azure security features
- Describe Azure network security

#### 5. Describe identity, governance, privacy, and compliance features

- Describe core Azure identity services
- Describe Azure governance features
- Describe privacy and compliance resources

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6. Describe Azure cost management and Service Level Agreements

- Describe methods for planning and managing costs
- Describe Azure Service Level Agreements (SLAs) and service lifecycles

7. Practice Test & Exam preparation

- Discussion on questions



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**Skill Oriented Course-II**

<b>S.No.</b>	<b>Sem &amp; Section</b>	<b>Title</b>	<b>Date (From -to)</b>
1.	IV SEM CSE-C&D	Advanced Python Programming	25/04/2023 to 29/04/2023
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## Advanced Python Programming

**Course Outcomes: After Successful completion of the Course, the student will be able to:**

<b>CO1:</b> Develop Python Programs using regular expressions and Database.	[K3]
<b>CO2:</b> Develop programs using GUI.	[K3]
<b>CO3:</b> Construct programs using Numpy Arrays.	[K3]
<b>CO4:</b> Develop python programs using pandas.	[K3]
<b>CO5:</b> Develop charts using matplotlib.	[K3]

**Topics Covered:**

1. Regular Expressions & Database Connectivity
2. GUI applications using tkinter module
3. Working with Arrays using Numpy
4. Data Analysis using Pandas
5. Data Visualization & Case Studies



Skill Oriented Course-III

S.No.	Sem & Section	Title	Date (From -to)
1.	V SEM CSE-A,B,C&D	Verbal & Soft Skills	03/11/2022 to 12/11/2022

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### Verbal & Soft Skills

**Course Outcomes: After successful completion of the Course, the student will be able to:**

- CO1:** Illustrate the Speaking skills and Question Forms. [K3]  
**CO2:** Apply the concepts of critical and analytical reading skills. [K3]  
**CO3:** Develop the Interview and Professional skills. [K3]

#### **Topics Covered:**

- 1 Phonetics
- 2 Intonation
- 3 Speaking Skills
- 4 Reading Comprehension
- 5 Question Forms
- 6 Tenses
- 7 Articles
- 8 Prepositions
- 9 Sentences correction and Construction
- 10 Direct and Indirect Speech
- 11 Modals
- 12 Comprehension Ordering
- 13 Parts of Speech
- 14 Active Voice and Passive Voice
- 15 Idioms and Phrasal Verbs
- 16 Vocabulary
- 17 Resume
- 18 Interview Skills
- 19 Dressing Sense





Skill Oriented Course-IV

S.No.	Sem & Section	Title	Date (From -to)
1.	VI SEM CSE-A,B,C&D	ReatJS	23/01/2023 to 06/02/2023

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## ReactJS

**Course Outcomes: After successful completion of the Course, the student will be able to:**

<b>CO1:</b> Discuss fundamentals of HTML.	[K2]
<b>CO2:</b> Discuss CSS.	[K2]
<b>CO3:</b> Discuss Javascript.	[K2]
<b>CO4:</b> Discuss ReactJS.	[K2]
<b>CO5:</b> Develop an application using REACTJS.	[K3]

### Topics Covered:

**SECTION 1: WHAT IS REACT JS?**

**SECTION 2: OVERVIEW OF JSX**

**SECTION 3: REACT JS ENVIRONMENT SETUPS**

#### **Real-time Practical's**

- NPM Installation by locally and Globally
- Create a Basic App with React JS and other Supported NPM

**SECTION 4: A REAL-TIME APPLICATION BY USING REACT JS**

#### **Real-time Practical's**

- Create a Small React Module
- Use All the states in the created Application.

**SECTION 5: REACT JS FORMS and UI**

#### **Real-time Practical's**

- Create a React Form.
- Client-side form validation.
- Applying form components.
- Submit and Rest the form.

**SECTION 6: REACT JS COMPONENT LIFE CYCLES OVERVIEW**

#### **Real-time Practical's**

- Applying Different Life cycles in the Application.
- When to choose Appropriate lifecycles.

**SECTION 7: ROUTING IN REACT JS AND OTHER JS CONCEPTS**

#### **Real-time Practical's**

- Create a Single Page Application.
- Applying Routing.
- Dynamically render the components based on the url.

**SECTION 8: EVENT HANDLING IN JSX**

#### **Real-time Practical's**

- Communicate Data between components.
- Applying all lists of events.

**SECTION 9: HOW TO WRITE STYLES IN REACT JS?**

#### **Real-time Practical's**

- Styling the application using styled component
- How to use Animations in the Application.

**SECTION 10: REACT ROUTER WITH NAVIGATION**



**SECTION 11: FLUX , REDUX OVERVIEW**

**Real-time Practical's**

- Redux application Development with Real-time Project

**SECTION 12: UNIT TESTING OVERVIEW**

**SECTION 13: INTEGRATION WITH OTHER LIBRARIES**

**SECTION 14: REACT SERVER INTEGRATION & DEPLOYMENT**

**SECTION 15: HOOKS**

**SECTION 16: CODE SPLITTING**

**SECTION 17: ISOMORPHIC REACT**

**SECTION 18: TESTING COMPONENT**

**SECTION 19: EPILOGUE**

**SECTION 20: NEW FEATURES OF REACT 16**

**SECTION 21: WEBPACK PRIMER AND ISOMORPHIC REACT**

**SECTION 22: FETCH DATA USING GRAPHQL**