Summary of Value Added Courses Conducted in last Five Year.

2022-23

Sr.No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course
1	Soft-Skill	30 hours
2	Workshop on Cyber Security	2 hours
3	PL/Sql Brushup Training	6 hours
4	Besant Technologies	15 hours
5	Seminar on Ethical Hacking	2 hours

2021-22

Sr.No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course
1	Soft-Skill	04 hours
2	Aptitude Building	30 hours
4	ByteXL Python Training Programming	30 hours
5	Android Developmnt	4 hours

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Sudumbare, Pune-412109

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2020-21

Sr.No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course
1	Resume Writing	4 hours
2	Big Data Analytics	6 hours
3	Fundamentals of Programming and Problem Solving	8 hours
4	Advance Excel Training	16 hours

2019-20

Sr.No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course
1	Resume Writing	30 days
2	DS Brushup Training	10 hours

2018-19

Sr.No.	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course
1	Resume Writing	04 hours
2	NodeJs and github Training	10 hours

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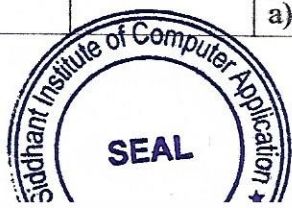# SIDDHANT INSTITUTE OF COMPUTER APPLICATION

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2022-23

Sr. No.	Name of Certificate/ Value added Courses	Year Offering	Course Outcome	Course Module
1.	Soft-Skill	2022-2023	On completion of the course, student will be able to– •Effectively communicate through verbal/oral communication and improve the listening skills •Write precise briefs or reports and technical documents. •Actively participate in group discussion / meetings / interviews and prepare & deliver presentations. •Become more effective individual through goal/target setting, self-motivation and practicing creative thinking. •Function effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, Inter-personal relationships, conflict management and leadership quality.	1.Concept of effective communication 2.Concept of 4 step method for presentation 3.Self-management Time management concept 4.Motivation techniques 5. Ethics & values 6. Interpersonal skill
2.	Workshop on Cyber Security	2022-2023	Upon successful completion of the programme, candidates will be familiar with cyber security landscapes and able to a) Analyze and evaluate the cyber security needs of an organization. b) Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation.	**Module-1:** Pre-work (Optional) **Module-2:** Foundations of Information Security **Module-3:** Understanding Cyber Attacks **Module-4:** Designing Security Controls **Module-5:** Security Operations & Incident Management **Module-6:** Prepare for CompTIASecurity+ (Optional) **Module-7:** Cyber Range
3.	PL/Sql Brush-up Training	2022-2023	After the completion of the programme, a)Students will be familiar	**Introduction To SQL** *Data Retrieval Techniques* Working with DDL Commands

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			understand relational database files, load MySQL and read in . csv data. b) Students will learn how to write and filter queries, incorporate functions, perform sub queries and how to join tables.	Working with DML Commands Integrity Constraints Built In Functions Data Aggregation Importance of JOIN Set Operators and Pseudo Columns Sub Queries Database Transaction and Security Design of Schema Objects Introduction to PL/SQL Creating and Using Cursors Understanding Exception Handling Creation of Stored Procedures Creating & Using Functions Creating & Using Packages Triggers in PL/SQL Collections in PL/SQL
4.	Besant Technologies	2022-2023	a) The course teaches you the essential concepts of Python programming, and gives you an in-depth knowledge in data analytics, machine learning, data visualization, web scraping, and natural language processing. b) You will master the essential concepts of data types, tuples, lists, dicts, basic operators, and functions.	**Module 1:** an introduction to Python **Module 2:**Beginning Python Basics **Module 3:**Python Program Flow **Module 4:** Functions and Modules **Module 5:**Exceptions Handling **Module 6:** File Handling **Module 7:**Class in Python **Module 8:** Generators and Iterators **Module 9:**Collections **Module 10:** Writing GUI's I Python(TKinter) **Module 11:** Python SQL Database Access **Module 12:** Network Programming

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				Module 13: Date and Time Module 14:Few More Topics in Details Module 15:Regular Expression Module 16: Threads Essentials Module 17: Accessing API Essentials Module 18: DJango
5.	Aptitude Building	2022-2023	After completing this training course, students will be able to 1. Enhance the Aptitude Round Clearing ability in interview process 2. Solve the real-time problems for performing job functions easily 3. Interpret the concepts of LOGICAL REASONING Skills 4. Acquire satisfactory competency in use of VERBAL REASONING	**Course Modules:** Average Number Compound Interest Partnership Problem on Ages Calendar Boats and Streams Clocks Height and Distance Percentage Pipes and Cisterns Profit and Loss Speed and Distance Simple Interest Problem on Trains Time and Work Allegation and Mixture Surds and Indices HCF and LCM Area Ratio and Proportion Races and Games

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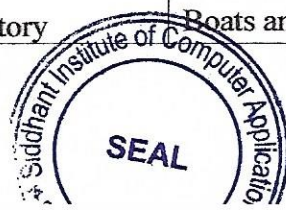|				
				Probability
				Volume and Surface Area
				Decimal Fraction
				Simplification
				Stocks and Shares
				Chain Rule
				True and Banker's Discount
				Logarithm
				Square Roots and Cube Roots
				Problem on Numbers
				Odd Man Out and Series
				Algebraic Expressions Permutation & Combination
6.	Seminar on Ethical Hacking	2022-2023	To gain knowledge about Ethical hacking and penetration testing. .2 To learn about various types of attacks, attackers and security threats and vulnerabilities present in the computer system. 3 To examine how social engineering can be done by attacker to gain access of useful & sensitive information about the confidential data. 4 To learn about cryptography, and basics of web application attacks. 5 To gain knowledge of the tools, techniques and ethical issues likely to face the domain of ethical hacking and ethical responsibilities.	1. Introduction to EthicalHacking 2.Foot Printing and Reconnaissance 3. Scanning Networks 4. Enumeration 5.Vulnerability analysis 6.Syatem Hacking 7. Malware threats 8.Sniffing 9. Social Engineering 10. Denial of Service 11.Cryptography

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2021-22

Sr. No.	Name of Certificate/ Value added Courses	Year Offering	Course Outcome	Course Module
1.	Soft-Skill	2021-2022	On completion of the course, student will be able to– • Effectively communicate through verbal/oral communication and improve the listening skills • Write precise briefs or reports and technical documents. • Actively participate in group discussion / meetings / interviews and prepare & deliver presentations. • Become more effective individual through goal/target setting, self-motivation and practicing creative thinking. • Function effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, Inter-personal relationships, conflict management and leadership quality.	1.Concept of effective communication 2.Concept of 4 step method for presentation 3.Self-management Time management concept 4.Motivation techniques 5. Ethics & values 6. Interpersonal skill
2.	Aptitude Building	2021-2022	After completing this training course, students will be able to 1. Enhance the Aptitude Round Clearing ability in interview process 2. Solve the real-time problems for performing job functions easily 3. Interpret the concepts of LOGICAL REASONING Skills 4. Acquire satisfactory	**Course Modules:** Average Number Compound Interest Partnership Problem on Ages Calendar Boats and Streams

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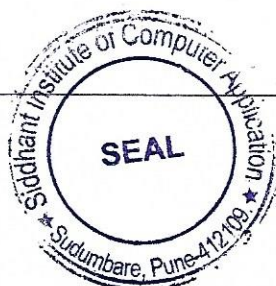|				competency in use of VERBAL REASONING	Clocks
					Height and Distance
					Percentage
					Pipes and Cisterns
					Profit and Loss
					Speed and Distance
					Simple Interest
					Problem on Trains
					Time and Work
					Allegation and Mixture
					Surds and Indices
					HCF and LCM
					Area
					Ratio and Proportion
					Races and Games
					Probability
					Volume and Surface Area
					Decimal Fraction
					Simplification
					Stocks and Shares
					Chain Rule
					True and Banker's Discount
					Logarithm
					Square Roots and Cube Roots
					Problem on Numbers
					Odd Man Out and Series
					Algebraic Expressions
					Permutation & Combination
3.	Resume Writing	2021-2022		Students can produce a *resume* that describes their	1.An Introduction to the Resume:

				education, skills, experiences and measurable achievements with proper grammar, format and brevity. Students.	Understanding its purpose and the pivotal role it plays in your job hunt.
					2.Types of Resumes: Exploring different formats—chronological, functional, combination—and determining which aligns best with your career trajectory.
					3. **Preparing to Write Your Resume**: Accumulating the right information and understanding the pre-writing phase.
					4.Presentation: Ensuring a blend of visual appeal and content clarity.
					5.Professional Objective and Education Section: Articulating your career aspirations and detailing your academic credentials.
					6.Experience: Strategically highlighting your professional journey, major achievements, and the value you bring.
					7.Skills Section: Showcasing both soft and hard skills relevant to your target job.
					8.Honors and Awards: Celebrating your accolades and how they enhance your professional stature.
					9.Activities and Interests: Providing a glimpse into your personality outside of work.
					10. **Bolstering Your Resume**:

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				Enhancing your resume with additional qualifications, certifications, or experiences. 11. **Polishing Your Resume**: Fine-tuning to ensure it's error-free and communicates your story effectively. 12. **Cover Letters**: Crafting compelling letters that complement your resume, adding depth to your application. 3. **Resumes in the Digital Age**: Adapting to online databases, optimizing for ATS, and leveraging digital platforms for job search.
4.	ByteXL Python Training Programming	2021-2022	After completion of the course students will be learn Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions. Work with user input to create fun and interactive programs.	Introduction to Python Python's Operators Python's Built-in Data types Conditional Statements & Loop Function in python. File Processing Modules
5.	Android Development	2021-2022	Creating robust mobile applications and learn how to integrate them with other services. Creating intuitive, reliable mobile apps using the android services and components. Create a seamless user interface that works with different mobile screens.	Modules: Module 1: Fundamentals of Android Module 2: Learning the Language (Java) Module 3: Android OS Module 4: Database connectivity (SQLite and MySQL) Module 5: Projects

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2020-21

Sr. No.	Name of Certificate/ Value added Courses	Year Offering	Course Outcome	Course Module
1.	Resume Writing	2020-2021	Students can produce a *resume* that describes their education, skills, experiences and measurable achievements with proper grammar, format and brevity. Students	**1.An Introduction to the Resume:** **2.Types of Resumes:** 3. **Preparing to Write Your Resume:** 4. **Presentation** **5.Professional Objective and Education Section:** 6. **Experience:** 7. **Skills Section:** 8. **Honors and Awards:** 9. **Activities and Interests:** 10. **Bolstering Your Resume:** 11. **Polishing Your Resume:** 12. **Cover Letters:** 13. **Resumes in the Digital Age:**
2.	Big Data Analytics	2020-2021	To learn List the components of Hadoop and Hadoop Eco-System understand Access and Process Data on Distributed File System • learn how to Manage Job Execution in Hadoop Environment • To learn how to Develop Big Data Solutions using Hadoop Eco System • Analyze Info sphere BigInsights Big Data Recommendations.	**1.** Introduction to Big Data Analytics: Big Data, Scalability and Parallel Processing, Designing Data Architecture, Data Sources, Quality, Pre-Processing and Storing, Data Storage and Analysis, Big Data Analytics Applications and Case Studies. **2.**Introduction to Hadoop Introduction, Hadoop and its Ecosystem, Hadoop Distributed File System, MapReduce Framework and Programming Model, Hadoop Yarn, Hadoop Ecosystem Tools. Hadoop Distributed File System Basics HDFS Design Features, Components, HDFS User Commands. Essential Hadoop Tools: Using

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				Apache Pig, Hive, Sqoop, Flume, Oozie, HBase. **3.**NoSQL Big Data Management, MongoDB and Cassandra: Introduction, NoSQL Data Store, NoSQL Data Architecture Patterns, NoSQL to Manage Big Data, Shared-Nothing Architecture for Big Data Tasks, MongoDB, Databases, Cassandra Databases. 4. Machine Learning Algorithms for Big Data Analytics: Introduction, Estimating the relationships, Outliers, Variances, Probability Distributions, and Correlations, Regression analysis, Finding Similar Items, Similarity of Sets and Collaborative Filtering, Frequent Itemsets and Association Rule Mining. Text, Web Content, Link, and Social Network Analytics: Introduction, Text mining, Web Mining, Web Content and Web Usage Analytics, Page Rank, Structure of Web and analyzing a Web Graph, Social Network as Graphs and Social Network Analytics:
3.	Fundamentals of Programming and Problem Solving	2020-2021	After completion of the course student will be able to problem-solving skills, creativity, algorithmic, sequential and computational thinking skills.	**Course Modules:** Hardware and software The software development cycle Reserved words and identifiers Variables and constants Arithmetic expression Input, processing, and output Variable declaration

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				Basic syntax Data type and structures Flow control structures (Conditionals and loops) Functional programming Object-oriented programming Debugging IDEs and coding environments
4.	Advance Excel Training	2020-2021	After completion of the Advanced Excel course students will be able to: Use advanced functions and productivity tools to assist in developing worksheets. Manipulate data lists using Outline, Auto filter and PivotTables. Use Consolidation to summarise and report results from multiple worksheets.	**Course Modules:** 1.Audience Profile 2.Excel Introduction 3.Customizing Excel 4.Using Basic Functions 5.Formatting and Proofing 6.Mathematical Functions 7.Protecting Excel 8.Date and Time Function 9.Advanced paste special techniques 10.New in Excel 2013-2016 and 365 11.Sorting and Filtering 12. Printing Workbook 13. What if Analysis 14.Logical Functions 15. Data Validation 16. Pivot Tables 17. Charts and Slicers 18.VBA Macro 19.Introduction to VBA 20.variable in VBA 21.If and Select Statement 22.Looking in VBA 23.Mail Functions VBA

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2.	DS Brush-up training	2019-2020	CO1 Understand discrete structures such as sets, relations, and lattices. CO2 Study the basic operations of Propositional logic and Boolean Algebra. CO3 Analyse and study various proof techniques. CO4 Understand basics of Graph theory and how it can be used to visualize and simplify problems.	1. Basic Data Structures: Arrays, Strings, Stacks, Queues. 2.Asymptotic analysis (Big-O notation) 3.Basic math operations (addition, subtraction, multiplication, division, exponentiation) 4.Stack 5.Linked List 6.Queue 7.Graph 8.Tree

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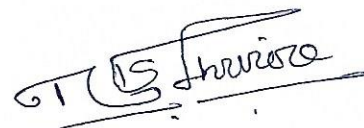**(Approved by AICTE New Delhi, Government of Maharashtra Recognised Savitribai Phule Pune University)**
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2018-19

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2.	NodeJs and GitHub training	2018-2019	Learning Outcomes Identify expressions and operators. Summarize flow control. Demonstrate objects and arrays usage. Define functions and methods.	1: Node JS Modules. 2: Node Package Manager. 3: Creating Web Server. 4: File System. 5: Debugging Node JS Application. 6: Events. 7: Express JS. 8: Serving Static Resources.

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Director
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