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Department of Computer Science and Engineering

A Report on Value Added Course on Personal Mastery: A Comprehensive Journey

A five days' Value Added Course on **"Personal Mastery: A Comprehensive Journey"** *was* successfully conducted in the city engineering college, from 24th to 28th April 2023 by Department of Computer Science and Engineering. The course sessions received an overwhelming response from students' participants.

The "Personal Mastery" course is a dynamic and intensive program designed to foster holistic personal development over a span of five days. The course aims to equip participants with essential skills and insights in self-awareness, effective communication, emotional intelligence, professionalism, leadership, and goal setting.

FIG 3: FORMAL FUNCTION

Day 1: Self-Awareness Mastery:

Participants engage in self-assessment activities to identify personal strengths, weaknesses, values, and beliefs. The course provides tools for heightened self-awareness, laying a robust foundation for individual growth.

Day 2: Communication Excellence:

The course emphasizes both verbal and written communication skills. Participants learn to articulate ideas effectively, listen actively, and utilize non-verbal cues for impactful interpersonal communication.

FIG 4: STUDENTS IN SESSION

Day 3: Emotional Intelligence Cultivation:

Addressing the importance of emotional intelligence, participants gain insights into understanding and managing emotions. The curriculum focuses on self-management, stress reduction, and the development of social awareness for improved relationships.

Day 4: Professionalism and Leadership Development:

Workplace etiquette, grooming, and punctuality are emphasized to instill professionalism. Participants explore the art of networking, understanding its significance in career development. Leadership skills, including empathy and goal setting, are highlighted to mold effective leaders.

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Day 5: SMART Goal Setting Mastery:

The course guides participants in setting Specific, Measurable, Achievable, Relevant, and Time-bound (SMART) goals. A personalized career plan is crafted, providing participants with a clear vision for future success. The reflective personal action plan ensures ongoing self-improvement.

Upon completion, participants possessed enhanced self-awareness, refined communication skills, cultivated emotional intelligence, professionalism, leadership traits, and the ability to set and achieve SMART goals.

"Personal Mastery: A Comprehensive Journey" is designed to empower participants with a diverse skill set crucial for personal and professional success. The holistic approach ensures that individuals not only gain theoretical knowledge but also practical insights, enabling them to navigate various aspects of life with confidence and competence.

CO-Ordinator
Mrs. Shruthi Vijay

Dr. Sowmya Naik P T
HOD

Dr. H N Thippeswamy
 PRINCIPAL

Department of Computer Science and Engineering

Value Added Course on Personal Mastery: A Comprehensive Journey

Course Outcomes:

1. Enhanced Self-Awareness

2. Improved Communication Skills

3. Greater Emotional Intelligence

4. Professionalism and Leadership Development

5. Practical Application of Skills

Coordinator
Mrs Shruthi Vijay

Dr. Sowmya Naik P T
 HOD

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Department of Computer Science and Engineering

A Report on Certificate course on Virtualization and Azure Cloud

A six-day Add on Course on **Virtualization and Azure Cloud** was organised by the Department of Computer Science and Engineering from 20/02/2023 to 25/2/2023 for 6th sem B.E. Computer Science and Engineering students in the CSE Seminar hall. **Mr. Vasanth Ravisankar, Principal Software Engineer, Oracle India Pvt Ltd. Bangalore** was the resource person. The event was coordinated by Dr.Sowmya Naik P T, Professor and Head, CSE and Ambika P R, Assistant Professor, CSE.

Day 1: Introduction to Virtualization

Morning Session:

The event began with a formal inaugural function. **Dr. Karunakar S , Principal CEC, and HOD Dr. Sowmya Naik** were present during the inauguration. The program began by seeking the blessings of Almighty with invocation and lighting of lamp. Principal advised the students to utilize the benefits of the course completely. **Dr. Sowmya Naik** Welcomed the resource person and gave a course overview. Later the session was handed over to the speaker.

The topics covered on Day 1 are
In the morning, participants were welcomed to the course, and an overview of virtualization concepts was presented. Types of virtualization, including hardware, software, and network virtualization, were discussed along with their benefits and challenges. The session continued with an exploration of various virtualization platforms like VMware, Hyper-V, and VirtualBox. Participants installed and configured a hypervisor, such as VirtualBox, and created their first virtual machines.

Afternoon Session:
During the afternoon session, advanced virtualization concepts were covered. This included the management of virtual machines, such as starting, stopping, and pausing. Snapshots, cloning, and resource allocation were discussed in detail, providing participants with a deeper understanding of virtualization best practices.

Day 2: Advanced Virtualization Concepts

Morning Session:

The morning session delved further into virtualization, covering topics such as networking and storage management within virtualized environments. Participants learned about configuring networking settings and managing storage resources effectively

Afternoon Session:

In the afternoon, participants engaged in hands-on activities related to networking in virtualized environments. They practiced implementing storage management techniques and explored best practices for optimizing virtualization setups.

Day 3: Introduction to Azure Cloud

Morning Session:

On the third day, the morning session began with an introduction to cloud computing. The focus then shifted to Microsoft Azure, providing an overview of its services and capabilities. Participants learned how to create an Azure account and navigated the Azure portal. The session concluded with an introduction to Azure Resource Manager (ARM).

FIG 4: SESSION IN PROGRESS

Afternoon Session:

In the afternoon, participants delved deeper into Azure, exploring the creation and management of Azure Virtual Machines. Topics included VM extensions, customization, and an understanding of availability sets and scaling options. Participants engaged in practical exercises to reinforce their learning.

Day 4: Azure Virtual Machines

Morning Session:

The fourth day started with a continuation of Azure Virtual Machines, focusing on advanced topics such as networking configurations and security measures. Participants gained hands-on experience in setting up a virtual network in Azure.

Afternoon Session:

The afternoon session shifted to Azure Storage and Databases. Participants explored Azure Storage Accounts, various storage options (Blob, Table, Queue, File Storage), and an introduction to Azure SQL Database. A hands-on lab provided practical insights into working with Azure Storage and Databases

Day 5: Azure Storage and Databases

Morning Session:

In the morning, participants deepened their understanding of Azure Database Services, including Cosmos DB, MySQL, and PostgreSQL. The session also covered data migration to Azure and best practices in managing Azure databases.

Afternoon Session:

The afternoon continued with advanced Azure topics, focusing on identity and access management, Azure Active Directory (AAD), and monitoring/logging in Azure. Participants explored practical aspects of these concepts through hands-on activities.

Day 6: Advanced Azure Topics and Course Conclusion

Morning Session:

On the final day, the morning session covered Azure DevOps, automation, and an introduction to Azure DevTest Labs. Participants explored ways to streamline development processes and enhance efficiency.

Afternoon Session:

In the afternoon, the course concluded with a recap of key concepts and a dedicated Q&A session. Participants had the opportunity to review the entire course and address any remaining questions. The session provided closure to the comprehensive six-day Value Added Course on Virtualization and Azure Cloud**.**

This course provided a comprehensive overview of both virtualization and Azure Cloud, with a balance between theoretical concepts and practical hands-on labs. Adjust the schedule as needed based on the specific needs and expertise levels of the participants.

Coordinator   **Dr. Sowmya Naik P T**   **Dr. S Karunakara**
Mrs. Sangeetha Rao   **HOD**   **PRINCIPAL**

Department of Computer Science and Engineering

Certificate Course on Virtualization and Azure Cloud

Course Outcome

1. Participants will acquire proficiency in virtualization concepts, platforms, and best practices for efficient resource management.

2. Develop practical skills in utilizing Microsoft Azure, including creating and managing Azure Virtual Machines, storage, and databases.

3. Gain knowledge and hands-on experience in networking configurations, security measures, and best practices within both virtualized environments and Azure Cloud.

4. Acquire skills in managing databases in Azure, covering a range of services such as Azure SQL Database, Cosmos DB, MySQL, and PostgreSQL.

5. Participants will understand advanced Azure topics, including identity and access management, monitoring/logging, and automation, enhancing their ability to work with complex cloud environments.

Coordinator
Mrs Sangeetha Rao

Dr. Sowmya Naik P T
HOD

Department of Basic Science
Value Added course on Basic Entrepreneurship Skills
Report on Basic Entrepreneurship Skills

A 5-day value added course on Basic Entrepreneurship Skills was successfully conducted at City Engineering College from 20th to 24th February 2023 by Department of Basic Science.

Day 1:
Program begin with an introduction to the aspects of importance of entrepreneurship skills, business management skills, communication and listening.

Day 2:
Day 2 delved into personality critical and creative thinking skills, strategic thinking and planning skills, branding, marketing, and networking skills

Day 3:
Participants gained insight into entrepreneurial skills in the workplace, time management and organizational skills, stress management skills.

Day 4:
The focus of day 4 was on to develop entrepreneurial skills, examples of entrepreneurial skills, Sales Skills.

Day 5:
The final day addressed about teamwork and leadership skills, demonstrate key entrepreneurial leadership qualities, personality traits of an entrepreneur.

FIG.2. RESOURCE PERSON DELIVERING SPEECH

Dr. Sunitha. N
Coordinator

Dr. Jyothi. P
HOD
Department of Basic Science

Dr. S. Karunakara
Principal

PRINCIPAL
CITY ENGINEERING COLLEGE
Kanakapura Main Road, BANGALORE - 560 061

Department of Basic Science
Value Added course on Basic Entrepreneurship Skills

Course Outcomes

The students will be able to:

Outcomes:

- Learn techniques for generating business ideas and identifying viable opportunities in the market.
- Develop skills in conducting market research to assess the demand for a product or service, analyse competitors, and understand industry trends.
- Create a basic business plan outlining the mission, vision, goals, target market, marketing strategies, operational plan, and financial projections.

Dr. Sunitha. N
Corodinator

Dr. Jyothi. P
HOD
Department of Basic Science

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Department of Artificial Intelligence and Machine Learning

A Report on Value Added Course on Soft skill –Personality development Program

Date	5/12/2022 and 9/12/2022
Time	9:30 to 4:30
Venue	AIML Lab

A five days' Value-Added Course on **"Soft skill –Personality development program"** *was* successfully conducted in the city engineering college, from 11thto 17thOctober 2022 by Department of Artificial Intelligence and machine Learning. The course sessions received an overwhelming response from students' participants.

The "Soft skill –Personality development program" course is a dynamic and intensive program designed to foster holistic personal development over a span of five days. The course aims to equip participants with essential skills and insights in self-awareness,

Day 1: Enhanced Verbal Communication

Participants engage in self-assessment activities to identify personal strengths, weaknesses, values, and beliefs. The course provides tools for heightened self-awareness, laying a robust foundation for individual growth.

Day 2: Communication Excellence:

Improved Non-Verbal Communication**.** Greater awareness and control of body language, facial expressions, and eye contact.

Day 3: Active Listening

Proficiency in active listening techniques, leading to better understanding and responses in conversations.

Day 4: Leadership and Management

Self-awareness. Increased self-awareness regarding one's emotions, strengths, and weaknesses. Self-Regulation, Improved ability to manage and regulate emotions in various situations.

Day 5: Teamwork and Collaboration

Collaborative Skills. Ability to work effectively in diverse teams, fostering a collaborative environment.

Glimpse of the event:

•Highlights the importance of soft skills such as communication, leadership, emotional intelligence, Presentation skills, Team work, Goal setting and Target achieve.
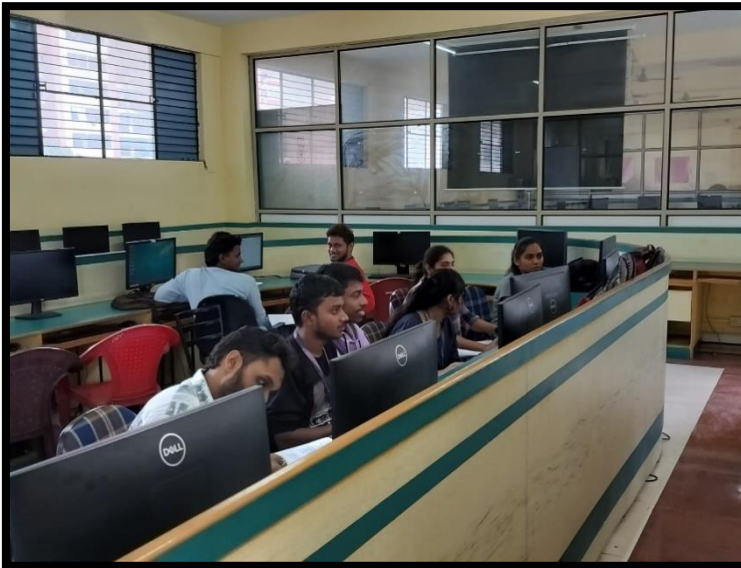

Fig 1: Team work- Bridge Activity	Fig2: Goal setting and Target achieve- Number Game Activity

Mr. Vindhya R

Co-Ordinator

Dr. S Vagdevi

HOD

Dr H N Thippeswamy

Principal

Course Outcome Upon completing the 5-day Value Added Course on Soft Skills and Personality Development, students were able to:

1. Enhance their Verbal Communication
2. Improved Non-Verbal Communication
3. Proficiency in active listening techniques, leading to better understanding and responses in conversations.
4. Leadership Abilities.
5. Teamwork and Collaboration.
6. Goal setting and Target achieve.

Mrs Vindhya

Co-Ordinator

Dr. S Vagdevi

HOD

Department of Artificial Intelligence and Machine Learning

A Report on Value Added Course on Data Analysis using WEKA & Tableau

Date	**11/10/2022 and 17/10/2022**
Time	**9:15 to 4:00**
Venue	**AIML Lab**

A six days' Value-Added Course on **"Data Analysis using WEKA & Tableau"** was successfully conducted in the city engineering college, from 11th to 17th October 2022 by Department of Artificial Intelligence and machine Learning. The course sessions received an overwhelming response from students' participants.

The "Data Analysis using WEKA & Tableau" course aims to equip participants with the skills needed to perform data analysis and visualization using two powerful tools: WEKA, an open-source machine learning software, and Tableau, a leading data visualization tool.

Day 1: Introduction to WEKA Tool, Installation of WEKA 3.8.6 Tool.

Step-by-Step Installation Guide, Key Features, Choose the Correct Version, Install WEKA on Windows, Install WEKA on Linux.

Day 2: WEKA data sources and file formats, Data-Processing using WEKA.

WEKA supports a variety of data formats to accommodate different types of data and SourceSafe (Attribute-Relation File Format), CSV (Comma-Separated Values), Database (SQL Databases)

Day 3: WEKA's packet Manager, prepare and clean data using filters.

Accessing the Package Manager, Installing Packages, Updating and Managing Packages, Preparing and Cleaning Data Using Filters

Day 4: Introduction to Data Visualization, ML algorithms.

Importance of Data Visualization,

- Simplifies complex data: Makes large and complex data sets easier to understand.
- Reveals insights: Helps in identifying trends, patterns, and outliers.
- Communicates findings: Aids in effectively communicating data-driven insights to stakeholders.

- Supports decision making: Enhances the decision-making process by providing a clear view of the data.

Common Types of Data Visualizations,

- **Bar Charts**: Compare different groups or track changes over time.
- **Line Charts**: Show trends over time or continuous data.
- **Pie Charts**: Display proportions of a whole.
- **Scatter Plots**: Show the relationship between two variables.
- **Histograms**: Display the distribution of a dataset.

Day 5: Tableau worksheets, Sorting and Filtering using tableau.

Tableau is a powerful data visualization tool used for transforming raw data into an understandable format. The worksheets in Tableau are the basic building blocks where you create visualizations by dragging and dropping fields.

Creating a New Worksheet, Adding Data to the Worksheet, Sorting in Tableau, Filtering in Tableau, Sorting and Filtering in a Tableau Worksheet.

Day 6: Tableau worksheets, Sorting and Filtering using tableau: Visualisation using charts, creating stories and dashboards for preparing reports. In the afternoon session the students were sent on a field trip to meet and interact people and collect data and the raw data was used for formatting, cleaning data and used for analysis.

Glimpse of the event:

Fig 1: Combining Tableau and WEKA to create an engaging and practical data analysis learning environment.

Mrs Vindhya R

Coordinator

Department of AIML

Dr. S Vagdevi

HOD

Department of AIML

Dr H N Thippeswamy

Principal

Course Outcomes: students wear able to

1. Connect data and customize a data source.
2. Create a data extract.
3. Edit metadata: Create groups and hierarchies in field data.
4. Sort and filter data.
5. Use sets to compare data sets.
6. Use the Tableau works, Case studies were given to each group to understand the data, find patterns in data, how each attribute is related.