CITY ENGINEERING COLLEGE

Approved by AICTE New Delhi & Affiliated by VTU, Belagavi
Doddakallasandra, Off Kanakapura Main Road,
Next to Gokulam Apartment, Bangalore - 560 062.

CRITERION 1 – CURRICULAR ASPECTS

KEY INDICATOR: 1.2 Academic Flexibility.

Metric Number: 1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. Where the students of the institution have enrolled and successfully completed during the year 2022-23

Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes

Sl. No.	Name of VAC/Certificate Course, MOOCs, SWAYAM, NPTEL
1.	Personal Mastery: A Comprehensive Journey
2	Virtualization and Azure Cloud
3	Basic Entrepreneurship skills
4	Soft skill-Personality Development Program
5	Data Analysis using Weka and Tableau

CHIEF PATRON

Dr. K R Paramahamsa,
Chairman, AMC-City Group of institution

PATRONS

Dr. Thippeswamy H N
Principal,CEC

Dr. Jyothi P,
Vice Principal,CEC

CONVENOR

Dr. Sowmya Naik P T,
HOD, CSE & Executive Officer

COORDINATORS

Mrs. Shruthi Vijay,
Assistant Professor, CSE
Mrs. Sangeetha Rao
Assistant Professor, CSE

ABOUT COLLEGE

City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 22 years with sophisticated infrastructure as a part of the Institution's commitment to provide higher quality education in the area of Engineering. The highly facilitated landmark building – provides a perfect ambience for creativity and learning. City Engineering College is known for its academic excellence, friendly welcoming atmosphere and community spirit. Over large number of full time students study here in a wide range of programs. It is a centre of talented, experienced teachers who inspire and energize the students to achieve the best.

Resource Person

Ranjith Gaikwad
Executive Coach, Head of Operations, INCYNK

CITY ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Value Added Course

PERSONAL MASTERY: A COMPREHENSIVE JOURNEY
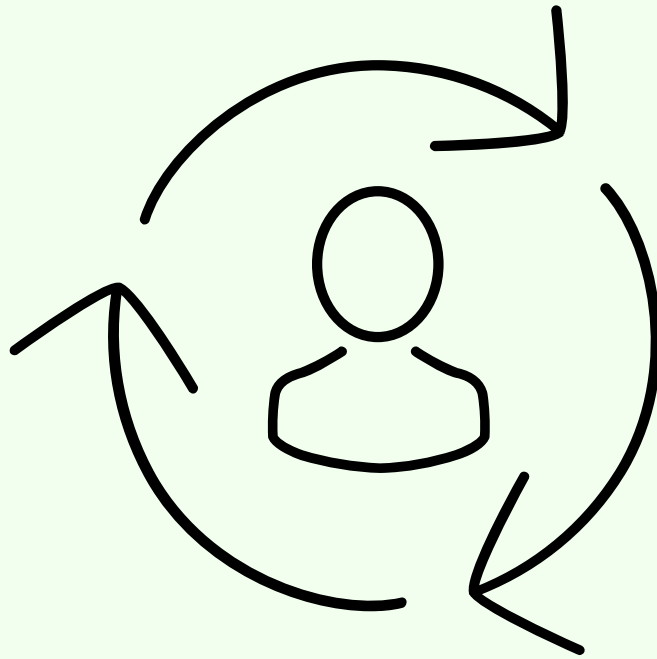
24-04-2023 to 28-04-2023

"Transformative Learning Process!"

CONTACT DETAILS

Mrs. Shruthi Vijay, Asst.Prof, CSE
PH: 9535169492

About The Department

The Department of Computer Science & Engineering was started in the year 2001 is known for imparting Quality education and carrying out cutting edge research. In addition to the UG program, PG CSE program and Research facilities for Ph.D. The department offers undergraduate program and has a comprehensive curriculum on topics related to software and hardware with an emphasis on theoretical and practical learning. It has well equipped, state of the art laboratories supported by highspeed Internet and wireless networks.

About The Course

The five-day program integrates key modules to enhance self-awareness, communication skills, emotional intelligence, professionalism, leadership traits, and goal-setting capabilities. The course empowers students with a well-rounded set of skills and knowledge that are not only applicable in their academic pursuits but also in their personal and professional lives. It aims to foster a sense of personal mastery and equip students with the tools they need to navigate various aspects of life successfully

Department of Computer Science and Engineering

Value Added Course on Personal Mastery: A Comprehensive Journey

Syllabus

Course Objectives:
1. Understand Personality Development
2. Enhance Communication Skills
3. Develop Emotional Intelligence (EI)
4. Cultivate Professionalism and Leadership
5. Apply Theoretical Knowledge to Practical Scenarios

Course Content

Module 1: Foundations of Personality Development

Introduction to Personality Development: Definition and significance of personality development. Exploring Personality Theories, Overview of major theories including Freud's psychoanalytic theory, Maslow's hierarchy of needs, and the Big Five personality traits, Self-awareness and Personal Assessment, Tools and techniques for self-reflection, identifying strengths, weaknesses, values, and beliefs.

Module 2: Effective Communication Skills

Verbal Communication: Developing effective speaking and listening skills. Understanding non-verbal communication cues.

Written Communication and Interpersonal Skills Email etiquette and business correspondence. Building and maintaining positive interpersonal relationships. Conflict resolution strategies.

Module 3: Emotional Intelligence

Introduction to Emotional Intelligence (EI): Understanding emotions and their role in personal development

Self-Management: Stress management techniques, Time management skills.

Social Awareness and Relationship Management: Empathy development. Enhancing communication in relationships.

Module 4: Professionalism and Leadership

Workplace Etiquette, Dress code, grooming, and punctuality, Professionalism in the workplace.

Networking Skills, building a professional network, Leveraging social media for professional development.

Leadership Skills, Traits of effective leaders., Goal setting and motivation.

_____

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

CHIEF PATRON

Dr. K R Paramahamsa,
Chairman, AMC-City Group of institution

PATRONS

Dr. Karunakara S,
Principal, CEC

Dr. Jyothi P,
Vice Principal, CEC

CONVENOR

Dr. Sowmya Naik P T,
HOD, CSE & Executive Officer

COORDINATORS

Mrs. Sangeetha Rao
Assistant Professor, CSE
Mrs. Archana Bhat,
Assistant Professor, CSE

ABOUT COLLEGE

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Resource Person

Vasant Ravisankar
Principal Software Engineer

Oracle India Pvt. Ltd

CITY ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Add on Course On

"VIRTUALIZATION AND AZURE CLOUD TRAINING"
20-02-2023 to 25-02-2023

"Unlocking the Power of Virtualization and Azure Cloud Technologies"

About The Course

"Embark on a transformative learning journey with our Six-Day Value Added Course on Virtualization and Azure Cloud. Dive into virtualization concepts, hands-on labs, and expert-led sessions spanning VMware, Hyper- V, and VirtualBox. Explore Microsoft Azure's rich ecosystem, covering virtual machines, networks, storage, and databases. Gain practical insights into identity management, automation, and Azure DevOps. Elevate your IT skills, connect with industry professionals, and unlock the full potential of virtualization and Azure Cloud technologies."

Resource Person

Vasant Ravisankar
Principal Software Engineer
Oracle India Pvt. Ltd

About CSE

The Department of Computer Science & Engineering was started in the year 2001 is known for imparting Quality education and carrying out cutting edge research. In addition to the UG program, PG CSE program and Research facilities for Ph.D. The department offers undergraduate program and has a comprehensive curriculum on topics related to software and hardware with an emphasis on theoretical and practical learning. It has well equipped, state of the art laboratories supported by highspeed Internet and wireless networks.

Resource Person

Vasanth Ravisankar, a Senior Principal Engineer with over 12 years of experience in the field. Vasanth has a strong educational background in Computer Science and Engineering, including a B.E. in the field. Additionally, he holds certifications in various areas, such as Oracle Cloud Infrastructure and testing tools like QC and QTP.

In terms of career objectives, Vasanth is described as a Product Support Manager with proven experience in managing engineered systems and big data projects. He has a strong engineering management background, particularly in Oracle Engineered System Products like Big Data Appliances and Cloud Services. Vasanth has a track record of effectively collaborating with engineering teams and troubleshooting Hadoop jobs, debugging, and performance tuning.

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Department of Computer Science and Engineering

Certificate Course on Virtualization and Azure Cloud

Syllabus

Course Objectives

1. Understand Virtualization Concepts

2. Set Up and Manage Virtual Machines

3. Explore Virtualized Networking and Storage

4. Introduction to Cloud Computing with Microsoft Azure

5. Advanced Azure Features and Services

Course Content

Module	Topics Covered
1	Introduction to Virtualization concepts. Overview of hardware, software, and network virtualization. Discussion on virtualization platforms (VMware, Hyper-V, VirtualBox). Setting up a hypervisor (e.g., VirtualBox) and creating virtual machines.
	Advanced virtualization concepts: Managing virtual machines, snapshots, cloning, and resource allocation. Hands-on activities for practical experience.
2	Further exploration of virtualization, focusing on networking and storage management within virtualized environments. Configuring networking settings and effective storage resource management.
	Hands-on activities related to networking in virtualized environments. Implementation of storage management techniques and optimization best practices.
3	Introduction to cloud computing. Overview of Microsoft Azure, its services, and capabilities. Creating an Azure account, navigating the Azure portal, and an introduction to Azure Resource Manager (ARM).
	Deeper exploration of Azure, covering the creation and management of Azure Virtual Machines. Topics include VM extensions, customization, availability sets, and scaling options. Practical exercises for reinforcement.
4	Continuation of Azure Virtual Machines, focusing on advanced topics such as networking configurations and security measures. Hands-on experience in setting up a virtual network in Azure.
	Shift to Azure Storage and Databases. Exploration of Azure Storage Accounts, Blob, Table, Queue, File Storage, and an introduction to Azure SQL Database. Hands-on lab for practical insights.
5	Deepening understanding of Azure Database Services, including Cosmos DB, MySQL, and PostgreSQL. Coverage of data migration to Azure and best practices in managing Azure databases.

Module	Topics Covered
	Advanced Azure topics: Identity and access management, Azure Active Directory (AAD), monitoring/logging. Practical activities for hands-on experience.
6	Azure DevOps, automation, and an introduction to Azure DevTest Labs. Exploration of ways to streamline development processes and enhance efficiency.
	Course conclusion with a recap of key concepts, a dedicated Q&A session, and closure to the six-day Add-on 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

CITY ENGINEERING COLLEGE
(Approved by AICTE New Delhi Affiliated by VTU, Belagavi)
Near Metro Station, Doddakallasandra
Bangalore – 560 062.

**Value Added Course
On
Basic Entrepreneurship Skills**

Organized by
Department of Basic Science
City Engineering College
Bangalore-560062

Date:**20-02-2023 to 24-02-2023**
Venue : **Seminar hall**

www.cityengineeringcollege.ac.in

Chief Patron

**Dr. K. R. Paramahamsa,
Chairman,
AMC-City Group of Institutions**

Patrons
Dr. S. Karunakara
Principal, City Engineering College Bangalore.

Dr. Sowmya Naik. P. T
Executive Officer & HOD of Computer Science Department, CEC

Dr. Rajasekhar. P
HOD, Department of Chemistry.

Convener
Dr. Jyothi .P
HOD, Department of Mathematics

About College

City Engineering College, Bangalore affiliated to Visvesvaraya Technological University (VTU) is centrally located in Bangalore. The College has expanded over the last 19 years with sophisticated infrastructure as a part of the Institution's commitment to provide higher quality education in the area of Engineering. The highly facilitated landmark building – provides a perfect ambience for creativity and learning. City Engineering College is known for its academic excellence, friendly welcoming atmosphere and community spirit. Over large number of full time students study here in a wide range of programs. It is a center of talented, experienced teachers who inspire and energize the students to achieve the best.

About Basic Science Department

Established in 2001, Basic Science Department is renowned for its innovative teaching methodologies tailored to students from diverse engineering disciplines. Our competent faculty members are dedicated to helping students grasp both fundamental and advanced concepts in Mathematics, Physics, Chemistry, Biology, English, Scientific Human Health, and Sports. The department aims to provide students with a robust foundation, empowering them to become engineers and scientists capable of contributing to future society.

Expert Speakers for the Programme

Mr. Mohammed Mathenulla
Head Placement and training, CEC

Mrs. Archana Bhat
Assistant Professor
Department of Computer Science, CEC.

Coordinators

Dr. Sunitha. N,
Assoc. Professor,
Department of Chemistry,
9916230188
E-mail id:
sunithan@cityengineeringcollege.ac.in

Mrs. Nagashree. G,
Asst. Professor, Department of Physics

Mrs. Vanitha. G. R,
Asst. Professor,
Department of Mathematics.

About Value Added Course

The ability to identify and exploit a business opportunity, human creative effort of developing a business or building something of value a willingness to undertake risk, Competence to organize the necessary resources to respond to the opportunity. Learn techniques for generating business ideas and identifying viable opportunities in the market.

Department of Basic Science
Value Added Course on Basic Entrepreneurship Skills

Course Content

Module 1

Introduction Importance of Entrepreneurship Skills, Business Management Skills, Communication and Listening.

Module 2

Critical and Creative Thinking Skills, Strategic Thinking and Planning Skills, Branding, Marketing, and Networking Skills.

Module 3

Entrepreneurial Skills in the Workplace, Time Management and Organizational Skills, Stress Management Skills.

Module 4

How to Develop Entrepreneurial Skills, Examples of Entrepreneurial Skills, Sales Skills.

Module 5

Teamwork and Leadership Skills, Demonstrate key entrepreneurial leadership qualities, Personality Traits of an Entrepreneur.

Dr. Jyothi. P
HOD
Department of Basic Science.

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

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

CHIEF PATRONS

Dr. K R PARAMAHAMSA, Chairman,
AMC – City Group of Institutions,Bengaluru

Mrs. GEETHA PARAMAHAMSA, Vice Chairperson,
AMC – City Group of Institutions,Bengaluru

Ms. MONICA KALLURI, Vice President,
AMC – City Group of Institutions,Bengaluru

Mr. RAHUL KALLURI, Executive Vice President,
AMC – City Group of Institutions,Bengaluru

PATRONS

Dr H N Thippeswamy, Principal, CEC
Dr. Sowmya Naik, EO & Head, Dept. of CSE,CEC
Dr. S Vagdevi, Professor & Head ,Dept of AIML

COORDINATOR

Mrs Vindhya R
Assistant Professor, Dept. of AIML

Resourse Person

Mr. Ranjith Gaikwad
Entrepreneur,Human Response Consultant

About College

CITY ENGINEERING COLLEGE

City Engineering College was established in the year 2001 under Jayanagar Education Society and located in Vasanthpura, Kanakapura Road, Bengaluru. The Campus has spread out in 12 acres of land with unique style of buildings.

The institution believes in providing high quality education to the prospective professionals of the country forwhich necessary quality benchmarks have been put in place, in the areas of faculty recruitment, development, training & placement, teaching process, student's grooming, external academic audits and feedback systemfor academic enhancement.

About Program

- **Body Language**
- **Role of Formal Attire**
- **Group Discussions**
- **Communication Skills**
- **Role of Communication in Business & Relationships**

City Engineering College

Doddakallasandra,Bangalore 560062

Presents

Value add Course on

Soft Skill – Personality Development Program

Date: 5-12-2022 to 09-12-2022
Time: 9:15 AM - 4.30 PM
Venue: AIML Lab

Organized by Department of

Artificial Intelligence & Machine Learning

Department of Artificial Intelligence and Machine Learning

Value Added Course on Soft skill –Personality development program

<u>**Course Objective**</u>

The primary objectives of the 5-day Value Added Course on Soft Skills and Personality Development are to:

1. Enhance Communication Skills: To equip students with the ability to communicate effectively and confidently in both personal and professional settings, including verbal, non-verbal, and written communication.

2. Develop Interpersonal Skills: To foster strong interpersonal relationships by teaching students how to interact positively and constructively with others.

3. Cultivate Leadership Abilities: To introduce leadership concepts and practices that enable students to take on leadership roles and inspire and manage teams effectively.

4. Improve Time Management: To provide students with strategies and techniques for efficient time management, helping them prioritize tasks and enhance productivity.

5. Build Emotional Intelligence: To increase students' awareness of their own emotions and those of others, enabling better stress management, conflict resolution, and decision-making.

6. Teach Professional Etiquette: To familiarize students with professional etiquette and behaviours that are essential for workplace success.

7. Set and Achieve Goals: To guide students in setting realistic, achievable goals and developing actionable plans to reach them.

8. Enhance Problem-Solving Skills: To encourage critical thinking and innovative problem-solving approaches for tackling various challenges.

9. Refine Presentation Skills: To train students in creating and delivering clear, concise, and impactful presentations.

These objectives aim to prepare students for personal and professional success by equipping them with essential soft skills and fostering their overall personality development.

Course Content

Chapter 1: Body Language: Gestures; Facial Expressions; Importance of Eye Contact, Body Movement.

Chapter 2: Role of Formal Attire, Introduction to Grammar, Focus of Reading & Listening; Parts of Speech; Tense; Conjunction; Phrasal Verbs; Idioms.

Chapter3: Group Discussions: Tips for Success in GD's; How to Start, Lead and Conclude A GD; Types of GD; Do's & Don'ts and Mistakes to Avoid during a GD.

Chapter 4: Communication Skills: Verbal Communication; Written Communication; Non-Verbal Communication

Chapter5: Role of Communication in Business & Relationships; Barriers to Effective Communication.

   Mrs Vindhya   **Dr. S Vagdevi**
   Co-Ordinator   **HOD**
   Department of AIML   **Department of AIML**

CHIEF PATRONS

Dr. K R PARAMAHAMSA, Chairman,
AMC - City Group of Institutions, Bengaluru

Mrs. GEETHA PARAMAHAMSA, Vice Chairperson,
AMC - City Group of Institutions, Bengaluru

Ms. MONICA KALLURI, Vice President,
AMC - City Group of Institutions, Bengaluru

Mr. RAHUL KALLURI, Executive Vice President,
AMC - City Group of Institutions, Bengaluru

PATRONS

Dr H N Thippeswamy, Principal, CEC
Dr. Sowmya Naik, EO & Head, Dept. of CSE, CEC

COORDINATOR

Dr. S Vagdevi, Professor & Head , Dept of AIML
Mrs. Vindhya , Assisstant Professor

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About Program

- Introduction to WEKA Tool, Installation of WEKA 3.8.6 Tool
- python for Data Mining and Machine Learning
- Classification methods to apply data source
- Data Types, Data sources, Tableau Worksheets

City Engineering College
Doddakallasandra, Bangalore 560062

Presents
Value added Course on

Data Analysis using WEKA & Tableau

Date: 11-10-2022 to17-10-2022
Time: 9:15 AM - 4.00 AM
Venue: AIML Lab

Organized by Department
of

Artificial Intelligence & Machine Learning

Department of Artificial Intelligence and Machine Learning

Value Added Course on Data Analysis using WEKA & Tableau

Academic Year: 2022-2023   **Date: 11-10-2022 to 17-10-2022**

Course Objective

The students will be able to:

1.Understand algorithms, data and how to interpret data and work with it.

2. To provide the students the opportunity to go beyond their curriculum.

3. Tableau/WEKA plays a crucial role in preparing students for the industry by providing

hands-on experience with real-world data analysis tasks.

4.Practical sessions with Tableau/WEKA allow students to simulate real-world scenarios, enhancing their problem-solving abilities and readiness for industry roles.

Course Content

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

Chapter 2: Why python for Data Mining and Machine Learning, Weka Data sources and file formats

Chapter3: WEKA's packet Manager, Classification methods to apply data source.

Chapter 4: Introduction to Tableau, Get Started with Tableau

Chapter5: Data Types, Data sources, Tableau Worksheets

Chapter 6: Visualisation using charts.

Mrs Vindhya   **Dr. S Vagdevi**

Co-Ordinator   **HOD**

Department of AIML   **Department of AIML**