

One Week Add-On Certification
Program On
"Azure Cloud Services".
20th to 25th June, 2022

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant - Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

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Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

CHAIR PERSON

Dr. M Ekambaram Naidu
Principal, SRKIT

CONVENOR

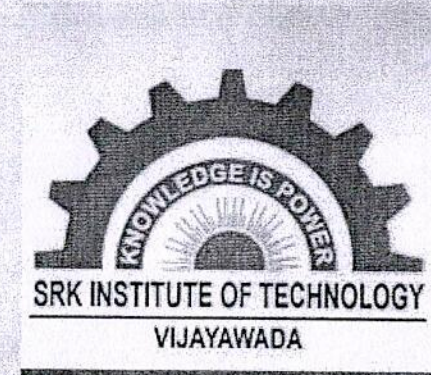
Mr.G.D.K.Kishore
HOD-IT

RESOURCE PERSON

N.Veeranjanyulu Assistant
Manager ,At Cohert Tech and
Cloud Centric

One Week Add-On Certification
Program On
"Azure Cloud Services".

Organized by Department of
Information Technology
20th to, 25th June 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTUK, Kakinada),
Accredited by NAAC with 'A' grade
Enikepadu, Vijayawada, 521108,
Andhra Pradesh, India.


PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA

ABOUT THE INSTITUTION

SRK Institute of Technology is a professional college affiliated to JNTUK, Kakinada, offering engineering undergraduate courses in CE, CSE, ECE, EEE, IT, ME and post graduate courses M.Tech in ECE & CSE, MBA, MCA and IMBA. It was established in the year 2007 under the aegis of SRK Foundation. The members of the foundation include renowned academicians and industrialists. The college is fully established with all infrastructural facilities with well qualified and experienced faculty. Within a short period of its inception, the college has carved a niche among the already exiting popular colleges. Today, the institute is rated as one of the RISING STARS on the horizon.

ABOUT THE DEPARTMENT

The Department of Information Technology (IT) was established in 2007. The department runs UG with well experienced faculty in various disciplines of IT. The department also hosts state-of-the-art laboratory facilities supporting both hardware and software in conformity with the curriculum and beyond. The department organizes Faculty Development Programs frequently to enhance skills.

COURSE CONTENT:

Day 1: Introduction to Cloud Computing and Azure

- Introduction to Cloud Computing Concepts (IaaS, PaaS, SaaS)
- Benefits and Challenges of Cloud Adoption
- Overview of Microsoft Azure Cloud Platform
- Hands-on Lab: Setting Up an Azure Free Trial Account and Exploring the Azure Portal
- Azure Subscription Management and Billing Concepts

Day 2: Core Azure Services – Compute

- Introduction to Azure Virtual Machines (VMs)
- VM Types and Configurations
- Creating and Managing VMs in the Azure Portal
- Hands-on Lab: Deploying a Simple VM in Azure with Different Configurations
- Introduction to Azure Virtual Machine Scale Sets for Scalability
- VM Management Tools (RDP, SSH) pen_spark

Day 3: Core Azure Services - Storage and Networking

- Introduction to Azure Storage Services (Blob Storage, File Storage, Disk Storage)
- Understanding Storage Accounts and Access Control
- Using Storage Explorer for Managing Azure Storage
- Hands-on Lab: Uploading and Downloading Data to Azure Storage Services

Day 4: Core Azure Services - Databases and Management Tools

- Introduction to Azure Database Services (SQL Database, Cosmos DB)
- Choosing the Right Database Service for Your Needs
- Creating and Managing Database Instances in Azure
- Hands-on Lab: Deploying and Using a Sample Database in Azure
- Introduction to Azure Resource Manager (ARM) Templates
- Automating Infrastructure Deployment with ARM Template

Day 5: Azure Security and Management


- Azure Security Fundamentals (Identity & Access Management, Data Encryption)
- Monitoring and Alerting with Azure Monitor
- Azure Cost Management and Optimization Strategies
- Hands-on Lab: Configuring Security Policies in Azure
- Setting Up Monitoring and Alerts for Azure Resources
- Exploring Cost Management Tools in Azure Portal

Day 6: Azure Case Studies and Next Steps

- Azure Case Studies Across Different Industries
- Deep Dive into Specific Azure Services based on Participant Interests
- Q&A Session with Instructor
- Planning Your Azure Adoption Journey
- Exploring Azure Certifications and Learning Resources
- Building a Roadmap for Continued Learning
- Wrap-up:
- Feedback

MAILING ADDRESS

Mr.G.D.K.Kishore
Head Of The Department,
Department of Information
Technology,
SRK Institute of
Technology, Enikepadu,
Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srk.itdept@gmail.com


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VIJAYAWADA

Program Co-Ordinator :

Mrs.A.Veda Sri
Phone Number: 9014855000



SRK INSTITUTE OF TECHNOLOGY

Approved by AICTE, Affiliated to JNTUK Kakinada
(An ISO 9001:2008 Certified Institute), Vijayawada-521108

A Course on MS-OFFICE

From 27/06/2022 To 05/08/2022

Organized By

**DEPARTMENT OF BUSINESS
ADMINISTRATION**

Resource Person:

Mr.SK.Shafiullah

Asst. Prof

MBA Dept

SRK INSTITUTE OF TECHNOLOGY

Why this Program?

MS Office is a program to insist knowledge in students which consists of basic Data interpretations, Analysis, Workbooks etc. by using MS Word, M S Excel, MS Power point.

Chief Patrons:

Sri B.S.Appa Rao,
Chairman, SRK Foundation

Sri B.S. Sri Krishna,
Secretary, SRK Foundation

Patron:

Dr. M. Ekambaram Naidu,
Principal

Convener:

Dr. B.Krishnaiah,
Associate Professor & Head.


PRINCIPAL



Sri VS Lakshmi Narayanan Reddy
Chief Minister of Andhra Pradesh

Sri Buggana Rameshwar Reddy
Minister for Higher Education,
Government of Andhra Pradesh

Sri Chaitanya Madhupratap Reddy
Minister for Industries,
Government of Andhra Pradesh

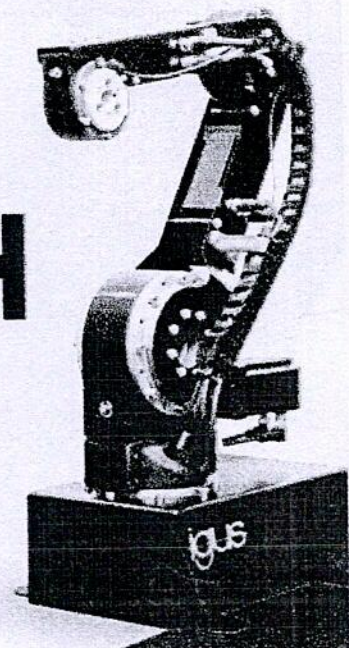
Sri Ajay Radday
Chairman
APSSDC

Skill AP
APSSDC

AR LAUNCH

APPLIED ROBOTICS CONTROL

CERTIFICATION ON EMERGING TECHNOLOGIES 2022-23



One of the extensive and most popular skilling in the 4.0 global phenomenon is back

A significant skilling program supported by APSSDC

Training students at the Bachelors Engineering level

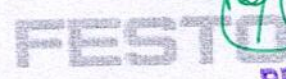
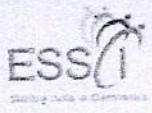
Unique Industry 4.0/Industrial Automation

Preparing students to be industry ready by the time of graduation

German technology to the Indian Colleges

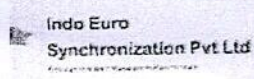
A unique German initiative to create Industry-Academia clusters in the fields of Mechatronics and Manufacturing, a first time in India at Andhra Pradesh

For new application visit us at:
www.arclabsgermany.com



Prabha
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“Indo European Skilling Centers For Mechatronics And Industrial Robotics”

Robotics *Artificial Intelligence, E-mobility

Sri. YS Jagan Mohan Reddy
Chief Minister of Andhra Pradesh



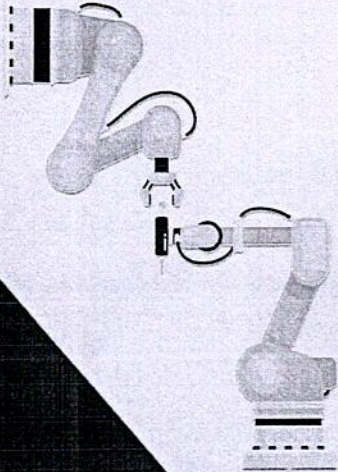
Sri. Buggana Rajendranath
Hon'ble Minister Finance & planning,
Commercial Taxes, Legislative Affairs,
Skills Development and Training.



Sri. Challa Madhu Sudhan Reddy
Advisor to Government
Government of Andhra Pradesh



Sri. Konduru Ajay Reddy
Chairman,
APSSDC



Unique Industry 4.0/ Industrial Automation Cluster



German technology to the Indian Colleges



Bilateral Fundings for Indian and German Initiatives

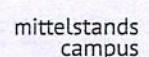
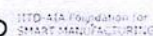
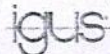
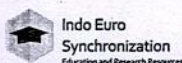


"A UNIQUE GERMAN INITIATIVE TO CREATE INDUSTRY-ACADEMIA CLUSTERS IN THE FIELDS OF MECHATRONICS AND MANUFACTURING"

A FIRST TIME IN INDIA AT ANDHRA PRADESH

Andhra Pradesh State Skill Development Corporation (APSSDC)
Department of Skill Development Entrepreneurship & Innovation
Government of Andhra Pradesh, India

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PRINCIPAL
INSTITUTE OF TECHNOLOGY



PROJECT INTRODUCTION



European Center for Mechatronics and Manufacturing with a vision to create a sustainable ecosystem in the fields of manufacturing and industrial robotics in Andhra Pradesh, India has chosen a two-pronged approach to develop academic and industrial clusters to complement each other. These clusters are being developed with partners from government bodies, educational institutions, and private industries. On the other front ECMM through their German partner APS GmbH European Center for Mechatronics has joined hands with APSSDC and the Government of Andhra Pradesh in training students at the bachelors engineering level by the time of graduation.



The Andhra Pradesh State Skill Development Corporation signed with the European Center for Mechatronics Germany has opened Advanced Robotic Control Centres over 31 engineering colleges in Andhra Pradesh.

ACADEMIC DELEGATION TO GERMANY

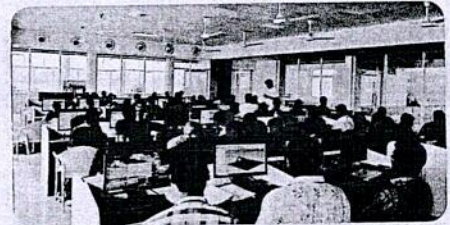
A leadership delegation comprising the senior management of 31 Engineering colleges and representatives have visited the facilities of APS European Centre for Mechatronics and its partners in Germany. Colleges have signed MoUs with ECM to be included in "Indo-European Skilling Centres for Mechatronics and Industrial Robotics" to become partners in establishing "Applied Robot Control (ARC) Labs" at their premises.



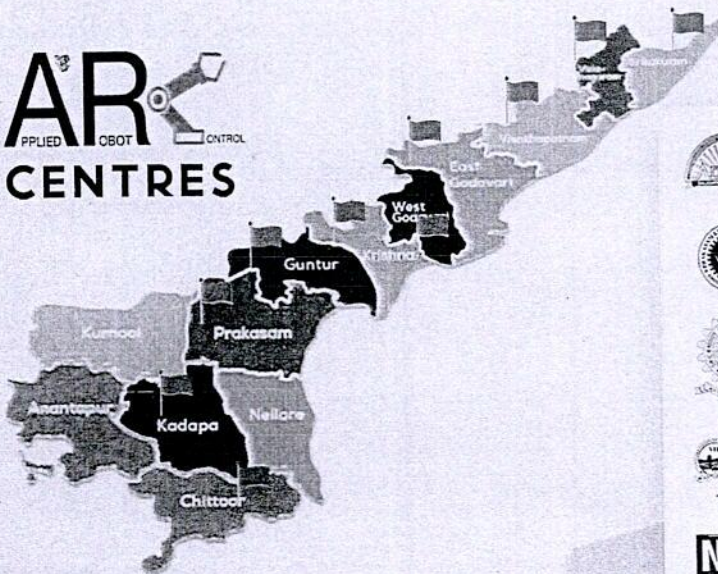
FACULTY SELECTION AND TRAINING

Faculty members play a crucial role in the delivery of the ARC courses as it involves teaching sessions from faculties from Germany and the faculty of the Indo-European Skilling Centers for Mechatronics and Industrial Robotics.

65 Faculty members from 31 colleges are selected from the nominations submitted by the colleges. Selection is done by the technical team of ECM and APSSDC after taking into consideration aspects like engineering background, academic position, knowledge in industrial automation / Manufacturing automation / Robotics, Teaching skills / Years of experience in lecturing, Experience in the planning of lectures and lab courses, Interest in teaching Industrial Robotics / Interest in ARC development, Strong academic and professional record, Interpersonal skills.



Glimpse's of student activity



31 Robotics labs established across the states



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STUDENT SELECTION

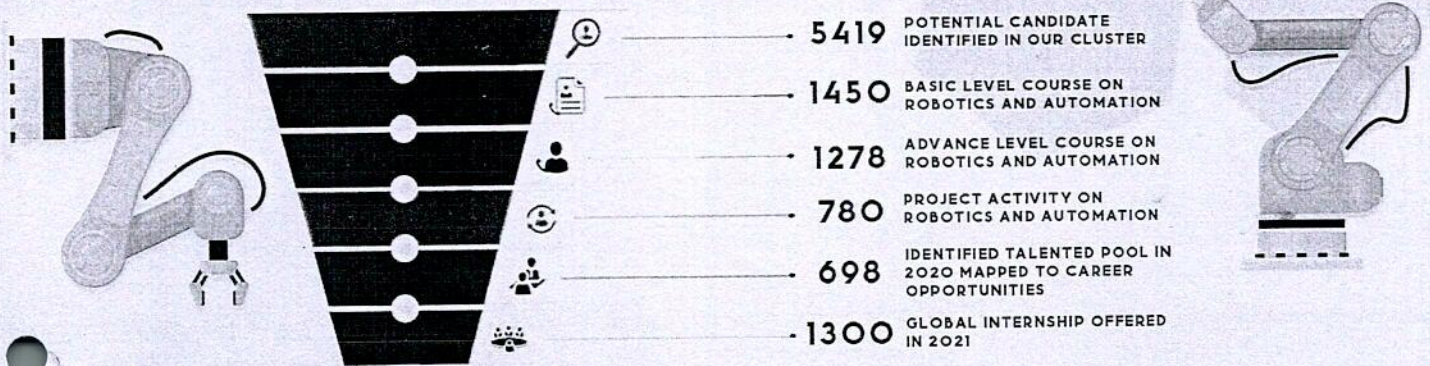
The student selection process has been done in three steps:

A very stubborn 3-way process has been implemented for selecting students from the colleges. To start with, the total number of eligible students from colleges from the disciplines of Mechanical/ ECE/ EEE/ Instrumentation/Automobile has been considered.

ARC PLACEMENT DRIVE

After successful completion of Basic and Advanced level (ARC 1.0, 2.0) of training we have conducted a placement drive through the following companies KIA, ISUZU, TVS, Hero, Royal Enfield, Vespa. Selection has been done through three tiers process that includes examination, Personal interview and HR round. Out of a total 311 students participated in the drive students been placed in the above mentioned students based on their performance.

ARC STUDENTS FILTRATION FUNNEL



ARC INTERNATIONAL INTERNSHIP

This course is a walkthrough in the world of Robotics and extends from beginner to advance levels. Core concepts of Robotics explained in a crisp and lucid manner. By the end of this entire module, students are aware of different kinds of industrial robots, various sensing, and locomotion mechanisms and finally, learn to develop mathematical models for positioning and controlling these robots. In this training set, applications used in industry such as teach path, pick and place and more, robot selection, connections, flex pendant use, and Detailed information about the simulation had been given. At the end of the simulation, we will create a basic level of advanced infrastructure for the IGUS Robo guide.



Students gained knowledge on Key technologies of industry 4.0 such as basics of Mechatronics, Robotics and Integration both for Manufacturing.



Students gained knowledge on LCA, Expert Systems which is used in industry and perform different robotic tasks by using Cprog Software and IGUS Robot controller.



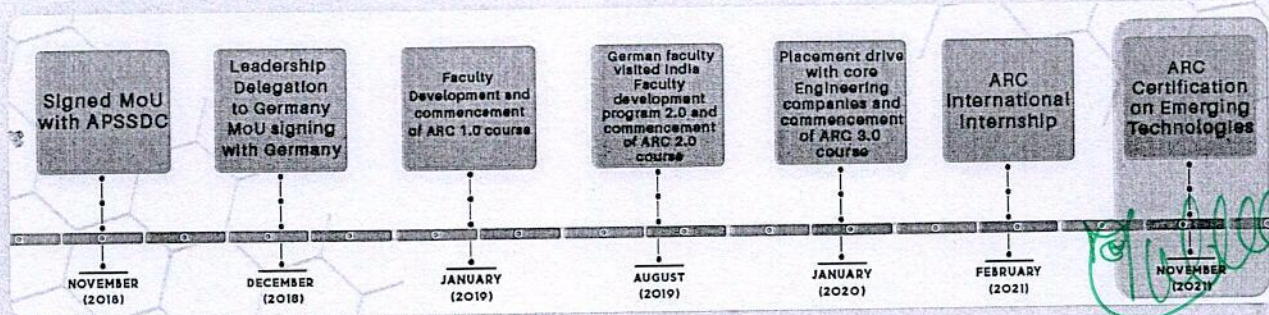
Students gained knowledge on PLC and Codesys Software and perform differently assignment tasks provided.



Students learned about IIoT with the industry observations.



Students gained knowledge on Key technologies of industry 4.0 such as Mechatronics, Robotics and Integration of both for Smart Manufacturing.



ARC CERTIFICATION ON EMERGING TECHNOLOGIES

This activity also linked project-based learning which gives the student to learn and have hands-on training through APSSDC-ARC centres with the support of Top German companies like FESTO, IGUS ROBOTICS, European Center for Mechatronics and Indo Euro Synchronization is involved to develop and train the graduates and it is one of the extensive and most popular skillings in the 4.0 and the global phenomenon is back. Training the students in their Bachelor's engineering level, and preparing students to be industry-ready by the time of graduation, this is a significant skilling program and supported by APSSDC, which is a unique Industry 4.0 in Industrial Automation Cluster. This is a German technology for the Indian colleges.



STUDENTS FEEDBACK

David
Gudlavallera Engineering College

Applied Robotics Control (ARC) Internship for providing knowledge in the areas of importance of robots and mechatronics in the manufacturing industry. He also shared his experience of learning the software, code systems and IGUS Robot Control.

Aishwarya Suresh
Shri Vishnu Engineering Women's College

This fascination was the driving force behind her the decision to enrol in the ARC International Internship where she was trained right from the basics to industry level applications of Robotics and Mechatronics.

Gnaaneswar Yadav
Siddharth Institute of Engineering and Technology

ARC International Internship has helped me discover new horizons in the fields of Mechatronics and Robotics and showing my gratitude towards the concerned faculty, APSDC and Indo Euro Synchronization.

Prudhvi
SRKR Engineering College

I am happy to see the wonderful output with this learning practice and pleasures.

Baby Priyanka
Shri Vishnu Engineering Women's College

I liked this internship course as it was short, quick and very useful indeed. I learnt from the basics of Mechatronics, PLC, and have implemented CProg software and had hands-on experience in Robots.

Charan Sai
Pragati Engineering College

I completed our ARC International Internship. I felt this the internship is an excellent opportunity for anyone who desired to build a career in Mechatronics, mainly to learn from scratch level to industry-level applications.

Watch more at: www.youtube.com/GermanVarsity-IES/

MEDIA REPORTS

INDIAN MEDIA

GERMAN MEDIA

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Key headlines from Indian media reports:

- Sajjala launches skill development international certification course
- Keen to develop skills of youth, says APSSDC Chief
- 20 కుకూలల్లో రోబోటిక్స్ కేంద్రాలు
- 42 ఎంపీల ద్వారా ఆ పాఠశాల

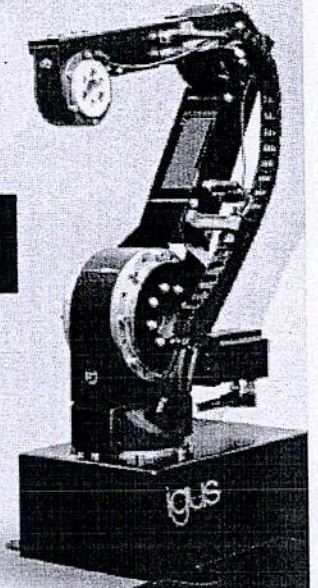
Key headlines from German media reports:

- IGUS-ROBOTER FÜR DIE FORSCHUNG IN INDIEN
- IGUS-TECHNOLOGIE FÜR INDIENISCHE HOCHSCHULEN
- LOW-COST-ROBOTER VON IGUS UNTERSTÜTZEN INDIISCHE FORSCHUNG



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CERTIFICATION ON EMERGING TECHNOLOGIES 2022-23



One of the extensive and most popular skilling in the 4.0 global phenomenon is back

A significant skilling program supported by APSSDC

Training students at the Bachelors Engineering level

Unique Industry 4.0/Industrial Automation

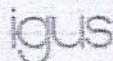
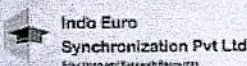
Preparing students to be industry ready by the time of graduation

German technology to the Indian Colleges

A unique German initiative to create Industry-Academia clusters in the fields of Mechatronics and Manufacturing, a first time in India at Andhra Pradesh

For new application visit us at: www.arclabsgermany.com

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Introduction to Cybersecurity

Explore



Security

Course Overview

The Introduction to Cybersecurity course explores cyber trends, threats and staying safe in cyberspace, and protecting personal and company data.

Benefits

Learn how to protect your personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding.

Learning Components

- 5 modules
- Interactive and instructional content
- 8 Activities and 7 lab exercises that reinforce learning
- 4 quizzes and 1 final exam
- Links to related resources



Target Audience: Secondary and 2-Year college students, general audience

Prerequisites: None

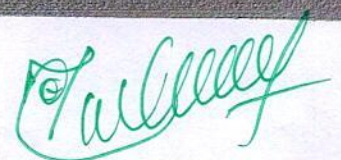
Instructor Training Required: No

CE Alignment Required: No

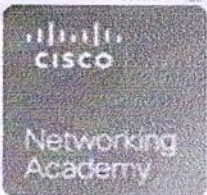
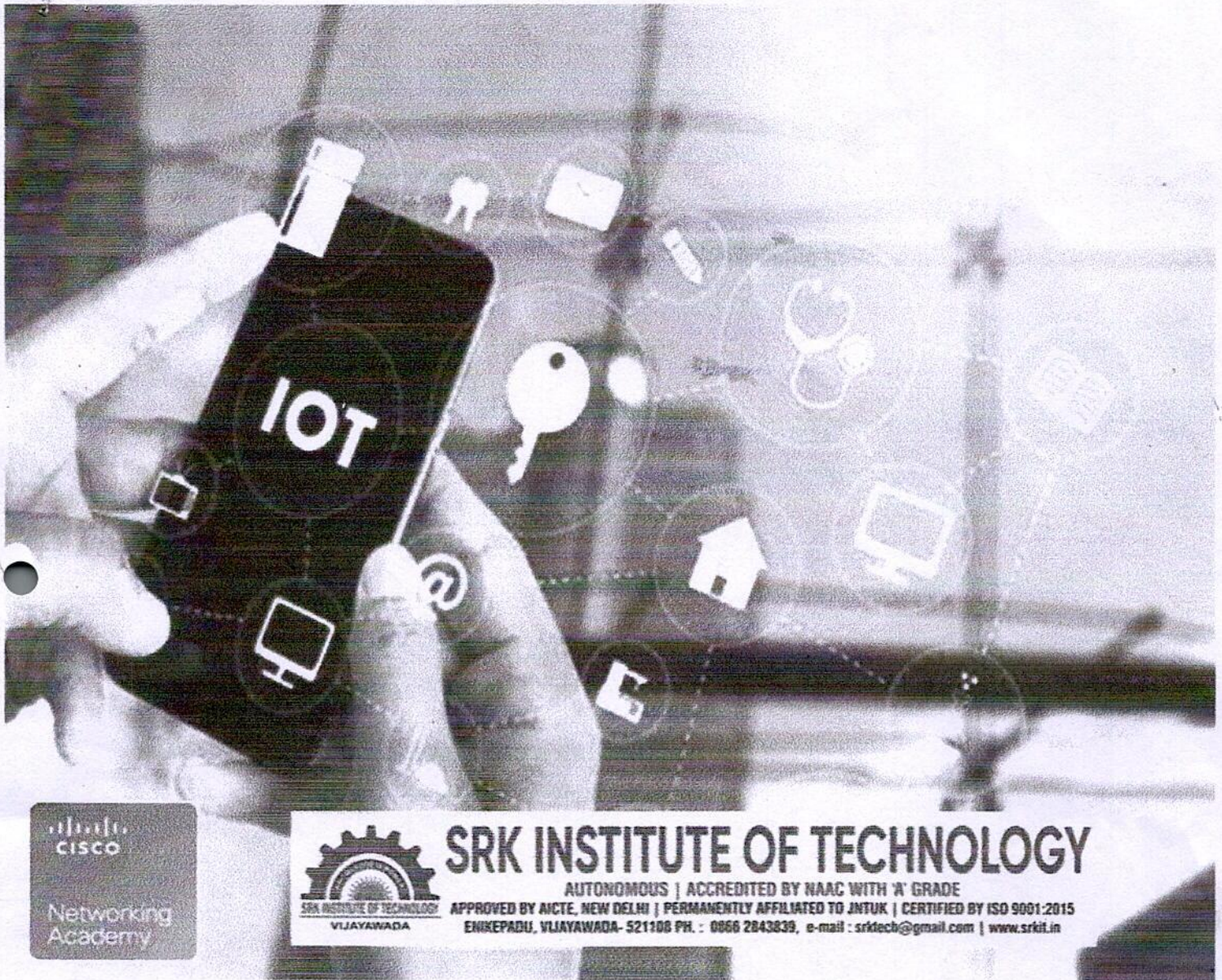
Languages: Arabic, Chinese-S, Dutch, English, French, German, Hebrew, Indonesian, Italian, Japanese, Kazakh, Polish, Portuguese, Russian, Spanish, Ukrainian

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 15 hours



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Value Addition to Participants

- Hands-on experience through practical sessions.
- Take away IoT Kit (Raspberry Pi, Connectors and sensors)
- Cisco IoT Certification.

Program Prerequisite

- Basic knowledge of electronics.
- Knowledge in programming and networking will be an added

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A Six Days Certification Program
On
"POWER TRANSMISSION
CAPABILITY OF HVDC
TRANSMISSION SYSTEM USING SOFT
COMPUTING TECHNIQUES"
21st to 27th September, 2022

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address

State _____

Pin _____

Gender: M / F

Email _____

Phone Number

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

Sri B.S. Appa Rao
Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

CHAIR PERSON

Dr. M. Ekambaram Naidu
Principal, SRKIT

CONVENOR

Mr. S. Nageswara Rao
HoD-EEE

RESOURCE PERSON

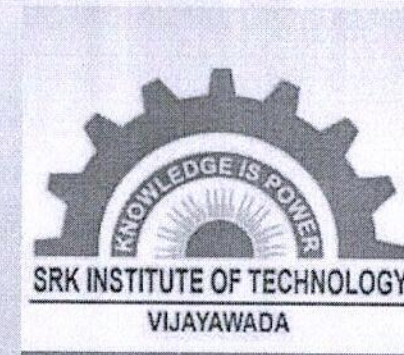
Mr. P. Prabhakar Sharma
Associate Professor

A Six Days Certification Program
On

"POWER TRANSMISSION CAPABILITY
OF HVDC TRANSMISSION SYSTEM
USING SOFT COMPUTING TECHNIQUES"

Organized by Department of Electrical and
Electronics Engineering

21st to 27th September, 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution, Affiliate
to JNTUK, Kakinada), Enikepadu, Vijayawada
521108, Andhra Pradesh, India.

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ABOUT THE DEPARTMENT

Department of Electrical & Electronics engineering is started in the year 2012 at present intake with 60. The department is heading with an objective to develop industry ready engineers while meeting local industry needs. The department is an integral part of SRK Institute of Technology, Vijayawada.

Since inception the department has well experienced and committed faculty, who continuously strive for the benefit of the students and their career development. The strength of the department is its laboratory facilities besides good infrastructure. Department of EEE also has a dedicated Projects lab to carry project activities by the students and faculty. Faculties of the department

continuously encourage /drive the students to involve in industrial visits, internships and also provide various training programs to enhance the technical skills of the students.

COURSE CONTENT:

Day 1:

- Power transmission capability of an HVDC transmission system

Day 2:

- Feed forward neural networks

Day 3:

- Recurrent Neural Networks
- Support Vector Machines

Day 4:

- Particle Swarm Optimization
- Genetic Algorithms

Day 5:

- Fuzzy Interference Systems
- Fuzzy Logic

Day 6:


- Ant Colony Optimization
- Hybrid Approaches
- Machine Learning Ensembles

MAILING ADDRESS

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Program Co- Ordinator :

Ms.T.Maha Lakshmi
Phone Number: 8143941560



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PCAP: Programming Essentials in Python (Python Essentials)

Scope & Sequence

PCAP: Programming Essentials in Python
(aka Python Essentials)
Developed by OpenEDG Python Institute

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PCAP: Programming Essentials in Python

Scope and Sequence

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7. Course Structure
8. Course Objectives
9. Minimum System Requirements

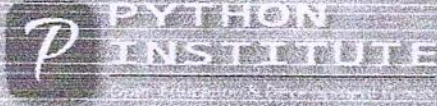


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ENIKEPADU, VIJAYAWADA- 521108 PH. : 0866 2843839, e-mail : srktech@gmail.com | www.srki



Network
Cisco Academy



PCAP: Programming Essentials in Python (Python Essentials)

Scope & Sequence

PCAP: Programming Essentials in Python
(aka Python Essentials)
Developed by OpenEDG Python Institute

PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.

PCAP: Programming Essentials in Python

Scope and Sequence

Table of contents

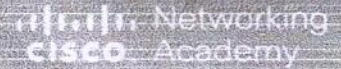
1. Target Audience
2. Prerequisites
3. Curriculum Description
4. Curriculum Objectives
5. Industry Certification
6. Course Outline
7. Course Structure
8. Course Objectives
9. Minimum System Requirements





SRK INSTITUTE OF TECHNOLOG

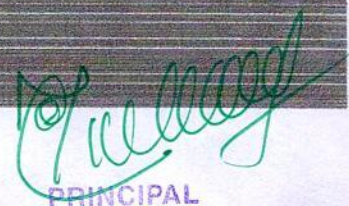
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ENIKEPADU, VIJAYAWADA- 521108 PH. : 0866 2843839, e-mail : srktech@gmail.com | www.srkit.in



PCAP: Programming Essentials in Python (Python Essentials)

Scope & Sequence

PCAP: Programming Essentials in Python
(aka Python Essentials)
Developed by OpenEDG Python Institute



PRINCIPAL

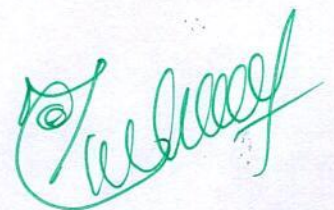
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521108

PCAP: Programming Essentials in Python

Scope and Sequence

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One Week Add-On Certification
Program On

“Microsoft Azure Fundamentals”
10th to 15th October, 2022

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

Sri B.S. Appa Rao
Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

CHAIR PERSON

Dr. M Ekambaram Naidu
Principal, SRKIT

CONVENOR

Dr. S Sri Gowri
HoD-ECE

RESOURCE PERSON

Mr. Krishna Thanky
Senior Associate Trainer
Microsoft

One Week Add-On Certification
Program On

“Microsoft Azure Fundamentals”

Organized by Department of
Electronics and Communication
Engineering

10th to 15th October, 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTUK, Kakinada),
Accredited with NAAC 'A' Grade
Enikepadu, Vijayawada, 521108,
Andhra Pradesh, India.

PRINCIPAL

SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA

ABOUT THE INSTITUTION

SRK Institute of Technology is a professional college affiliated to JNTUK, Kakinada, offering engineering undergraduate courses in CE, CSE, ECE, EEE, IT, ME and post graduate courses M.Tech in ECE & CSE, MBA, MCA and IMBA. It was established in the year 2007 under the aegis of SRK Foundation. The members of the foundation include renowned academicians and industrialists. The college is fully established with all infrastructural facilities with well qualified and experienced faculty. Within a short period of its inception, the college has carved a niche among the already exiting popular colleges. Today, the institute is rated as one of the RISING STARS on the horizon.

ABOUT THE DEPARTMENT

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COURSE CONTENT:

Day 1:

- Build foundational knowledge on cloud concepts
- core Azure services
- privacy
- compliance

Day 2:

- security, and trust
- Azure pricing and support.
- Learn the hacks to prepare for and pass the AZ-900

Day 3:

- Core Azure Services Part - 1
- Core Azure Services Part - 2

Day 4:

- Core Solutions and Management Tools

Day 5:

- General and Network Security
- Identity Governance Privacy and Compliance

Day 6:

- Azure Architect in the IT industry

MAILING ADDRESS

Dr. S Sri Gowri,
Head Of The Department,
Department Electronics and Communication
Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srkecehod@gmail.com

Program Co- Ordinator :

Mr. P.Ratna Bhaskar
Phone Number: 889726960



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SRK INSTITUTE OF TECHNOLOGY

Approved by AICTE, Affiliated to JNTUK Kakinada
(An ISO 9001:2008 Certified Institute), Vijayawada-521108



COURSE ON COMMODITY MARKETS

FROM 14/11/2022 To 11/01/2023

Organized By

**DEPARTMENT OF BUSINESS
ADMINISTRATION**

Resource Person:

**Mr.B.Chinni,
Asst. Prof,
MBA Dept**

SRK INSTITUTE OF TECHNOLOGY

Why this Program?

This program is mainly focused on imparting knowledge like Price discovery, Hedging, Import-Export competitiveness & Portfolio diversification and also to promote systematic investments in financial markets.

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Patron:

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Principal

Convener:

Dr. B.Krishnaiah,
Associate Professor & Head.

PRINCIPAL

**One Week Add-On Certification
Program On
"Raspberry Pi Pico Programming
and Interfacing"
14th to 19th November, 2022
REGISTRATION FORM**

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

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CONVENOR

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HoD-ECE

RESOURCE PERSON

Mr.C.Sudhakar Reddy
SRC e-Solutions

**One Week Add-On Certification
Program On**

**"Raspberry Pi Pico Programming
and Interfacing"**

Organized by Department of
Electronics and Communication
Engineering

14th to 19th November, 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
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Enikepadu, Vijayawada, 521108,
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SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.

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COURSE CONTENT:

Day 1:

- Meet Raspberry Pi Pico
- Introduction to open source Hardware and Software
- Micro-python Firmware

Day 2:

- Raspberry Pi as Clint Server
- Python for raspberry Pi Pico.
- Action Retrying

Day 3:

- Interfacing LED
- Interfacing Buzzer
- Interfacing Stepper and DC Motor

Day 4:

- Interfacing PIR sensor, DHT11 , Ultrasonic Sensor, LDR
- Interfacing IR sensor to Raspberry Pi

Day 5:

- Implementation of MQTT
- Implementation of RPI
- Uploading Data to cloud

Day 6:

- IoT based smart home automation
- IoT based smart dustbin system

MAILING ADDRESS

Dr. S Sri Gowri,
Head Of The Department,
Department Electronics and Communication
Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srkecehod@gmail.com

Program Co- Ordinator :

Mr. P.Ratna Bhaskar
Phone Number: 889726960

PRINCIPAL

SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108

A Six Days Certification Program
On
"RASPBERRY PI PICO
PROGRAMMING AND INTERFACING"
14th to 19th November, 2022

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address

State _____

Pin _____

Gender: M / F

Email _____

Phone Number

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

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Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

CHAIR PERSON

Dr. M. Ekambaram Naidu
Principal, SRKIT

CONVENOR

Mr. S. Nageswara Rao
HoD-EEE

RESOURCE PERSON

Mr. C. Sudhakar Reddy
SRC e-Solutions

A Six Days Certification Program
On
"RASPBERRY PI PICO PROGRAMMING AND
INTERFACING"

Organized by Department of Electrical and
Electronics Engineering

14th to 19th November, 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution, Affiliated to
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Andhra Pradesh, India.

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SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.

ABOUT THE INSTITUTION

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ABOUT THE DEPARTMENT

Department of Electrical & Electronics engineering is started in the year 2012 at present intake with 60. The department is heading with an objective to develop industry ready engineers while meeting local industry needs. The department is an integral part of SRK Institute of Technology, Vijayawada.

Since inception the department has well experienced and committed faculty, who continuously strive for the benefit of the students and their career development. The strength of the department is its laboratory facilities besides good infrastructure. Department of EEE also has a dedicated Projects lab to carry project activities by the students and faculty. Faculties of the department

continuously encourage /drive the students to involve in industrial visits, internships and also provide various training programs to enhance the technical skills of the students.

COURSE CONTENT:

Day 1:

- Introduction to open source hardware and software
- Introduction to Raspberry Pi Pico

Day 2:

- Configuration Raspberry Pi Pico
- Python basics for programming

Day 3:

- Interfacing LED, Buzzer

Day 4:

- Interfacing PIR sensor
- Ultrasonic sensor

Day 5:

- Implementation of MQTT, RPI web

Day 6:

- An IoT based smart home automation
- An IoT based smart dustbin system

MAILING ADDRESS

Mr. S. Nageswara Rao,
Head of The Department,
Department Electrical and Electronics
Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in -
Email: srkeechod@gmail.com

Program Co- Ordinator :

Ms. T. Maha Lakshmi
Phone Number: 8143941560

PRINCIPAL

SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108,

ABOUT THE INSTITUTION

SRK Institute of Technology was established in the year 2007 under JNTUK Affiliation and Accredited by NAAC with 'A' grade 2022. It is located in the heart of city of Rural Vijayawada, the new capital city of Andhra Pradesh. Since its inception in 2007, the institution has been dedicated to impart quality education to professional students for innovations and leadership in a global competitive world. The institution is Offering engineering courses in CE, CSE, ECE, EEE, IT, ME, CSE-Artificial Intelligence and Machine Learning, CSE-Data Science and Post Graduate Courses M.Tech in CSE, ECE, MCA & MBA

ABOUT THE DEPARTMENT

The Department of Science and Humanities is a threshold for students entering into professional courses. It lays a strong foundation to the major engineering courses offered by the Institute. The department is a blend of many disciplines – English, Mathematics, Physics, Chemistry and Environmental Sciences. The courses offered by the department are English, Mathematics, Engineering Physics, Engineering Chemistry, Applied Physics, Applied Chemistry, Environmental Sciences and many more like Employability Skills, Constitution of India and Universal Human Values. The department has many experienced, research oriented faculty who actively publish papers in various National and International journals regularly. Apart from the academics, the department conducts many co-curricular and extracurricular activities for students.

ABOUT THE PROGRAM

This program is designed for enabling the students to empower with a skill set to analyze the making data and drive decisions. The students will identify the marketing segments. It is customized to address the needs of the student.

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CHIEF PATRONS

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&
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Sri B. Sri Krishna

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Assistant Professor
SRK Institute of Technology

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Convener

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HoD-Science & Humanities,
SRKIT

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Asst. Professor Dept of S & H

MEMBERS

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Mrs.V. Prasanthi, Asst. Professor
Mrs.A.Akhila, Asst. Professor

CERTIFICATE PROGRAM ON

“Mastering Data Analysis”

19 Dec, 2022 – 28 Jan, 2023



Organized by

Department of Science and Humanities

SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTU, Kakinada),

Accredited by NAAC with 'A' Grade

Enikepadu, Vijayawada, 521108,
AP, India

PRINCIPAL

SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.

**One Week Add-On Certification
Program On
“Python Fundamentals For
Beginners”
26th to 31st December, 2022**

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant Head of the Institution

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Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

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Principal, SRKIT

CONVENOR

Dr. S Sri Gowri
HoD-ECE

RESOURCE PERSON

Ms.B.Payal Nagambica
Hadoop cloud Engg
L&T

**One Week Add-On Certification
Program On**

**“Python Fundamentals for
Beginners”**

Organized by Department of
Electronics and Communication
Engineering

26th to 31st December, 2022



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
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Accredited with NAAC 'A' Grade
Enikepadu, Vijayawada, 521108,
Andhra Pradesh, India.



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SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521

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COURSE CONTENT:

Day 1:

- Python and Computer Programming
- Data Types
- Variables
- Basic Operators

Day 2:

- Boolean Values
- Conditional Execution.
- Loops

Day 3:

- Python Language Syntax
- Python Keywords and Identifiers
- Python Variables
- Data Types

Day 4:

- Django
- Python scripts

Day 5:

- File operations in Python
- Database
- Views

Day 6:

- Python Object Oriented Programming
- Python built in function
- Python Multithreaded Programming

MAILING ADDRESS

Dr. S Sri Gowri,
Head Of The Department,
Department Electronics and Communication
Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srkecehod@gmail.com

Program Co- Ordinator :

Mr. P.Ratna Bhaskar
Phone Number: 889726960



PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521108

One Week Add-On Certification
Program On

“Infosys SpringBoard”

2nd to 7th January, 2023

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

Sri B.S. Appa Rao
Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna
Secretary, SRK Foundation

CHAIR PERSON

Dr. M Ekambaram Naidu
Principal, SRKIT

CONVENOR

Dr. S Sri Gowri
HoD-ECE

RESOURCE PERSON

Ms. Kriti Tiwari
Senior Associate-Learning
Infosys Limited

One Week Add-On Certification
Program On

“Infosys SpringBoard”

Organized by Department of
Electronics and Communication
Engineering

2nd to 7th January, 2023



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTUK, Kakinada),
Accredited with NAAC 'A' Grade
Enikepadu, Vijayawada, 521108,
Andhra Pradesh, India.


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ENIKEPADU, VIJAYAWADA-521108

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Day 1:

- Build foundational knowledge on cloud concepts
- core Azure services
- privacy
- compliance

Day 2:

- security, and trust
- Azure pricing and support.
- Learn the hacks to prepare for and pass the AZ-900

Day 3:

- Core Azure Services Part - 1
- Core Azure Services Part - 2

Day 4:

- Core Solutions and Management Tools

Day 5:

- General and Network Security
- Identity Governance Privacy and Compliance

Day 6:

- Azure Architect in the IT industry

MAILING ADDRESS

Dr. S Sri Gowri,
Head Of The Department,
Department Electronics and Communication Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srkecehod@gmail.com

Program Co- Ordinator :

Mr. P.Ratna Bhaskar
Phone Number: 889726960



PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA

Four Day Add-On Certification
Program On

“Blue Prism Associate Developer”

09th to 12th January, 2023

REGISTRATION FORM

Name _____

Department _____

Roll Number _____

Address _____

State _____

Pin _____

Gender: M / F

Email _____

Phone Number _____

Signature of Participant Head of the Institution

ORGANIZING COMMITTEE

CHIEF PATRON

Sri B.S. Appa Rao

Chairman, SRK Foundation

PATRON

Sri B. Sri Krishna

Secretary, SRK Foundation

CHAIR PERSON

Dr. M Ekambaram Naidu

Principal, SRKIT

CONVENOR

Dr. S Sri Gowri

HoD-ECE

RESOURCE PERSON

Ms. Deeptha Padmanabhan

Specialist Trainer

Blue Prism

Four Day Add-On Certification
Program On

“Blue Prism Associate Developer”

Organized by Department of
Electronics and Communication
Engineering

09th to 12th January, 2023



SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTUK, Kakinada),
Accredited with NAAC 'A' Grade
Enikepadu, Vijayawada, 521108,
Andhra Pradesh, India.

Challan
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SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521108

ABOUT THE INSTITUTION

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COURSE CONTENT:

Day 1:

- Blue Prism Native Functions
- Data Types
- Data Casting

Day 2:

- Step-In , Step-out & Break-Points
- Process Flow through Decision.
- Action Retrying

Day 3:

- Blue-Prism standard Template
- Use of Attributes
- Element attributes
- Dynamic Attributes

Day 4:

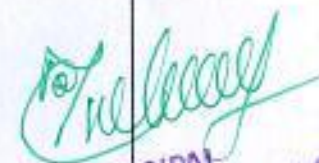
- Blue Prism Credentials and Credential Management
- Advanced Attribute Matching

MAILING ADDRESS

Dr. S Sri Gowri,
Head Of The Department,
Department Electronics and Communication
Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.
www.srkit.in
Email: srkecehod@gmail.com

Program Co- Ordinator :

Mr. P.Ratna Bhaskar
Phone Number: 889726960



PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521108

A ONE WEEK
ADD-ON CERTIFICATION
PROGRAM ON
"COMPARATIVE ANALYSIS
OF SEISMIC RESPONSE OF
BUILDINGS WITH
DIFFERENT BASE
ISOLATION SYSTEMS"

20-25 february, 2023

REGISTRATION FORM

Name _____

Designation _____

Department _____

Name of the Institute _____

Address _____

State _____ Pin _____

Gender: M / F

Experience in years _____

Details of Registration fee:

Amount _____ DDNo. _____ Date _____

Name of the bank _____

Email _____
Phone Number _____

Signature of participant

Head of the Institution

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Secretary: Sri B. Sri Krishna

RESOURCE PERSON

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Assistant Professor

NRI Institute of technology & management

Patron

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Sri. K. Kiran ,Asst.Professor

Ms. G. Sahithi , Asst. Professor

Ms.A.KrishnaPriya,Asst.Professor

Mr.CH.Rajesh .Asst professor

Mr. Sai Kumar reddy, Asst. Professor


PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA-521 108.

A ONE WEEK
ADD-ON
CERTIFICATION PROGRAM ON
"COMPARATIVE ANALYSIS
OF SEISMIC RESPONSE OF
BUILDINGS WITH
DIFFERENT BASE
ISOLATION SYSTEMS"

20-25 february, 2023



Organized by

Department of Civil Engineering
SRK INSTITUTE OF
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Accredited by NAAC with 'A' Grade

Enikepadu, Vijayawada,521108,
AP, India.

ABOUT THE INSTITUTION

SRK Institute of Technology was established in the year 2007 under JNTUK Affiliation and Accredited by NAAC with 'A' grade 2022. It is located in the heart of city of Rural Vijayawada, the new capital city of Andhra Pradesh. Since its inception in 2007, the institution has been dedicated to impart quality education to professional students for innovations and leadership in a global competitive world. The institution is

Offering engineering courses in CE, CSE, ECE, EEE, IT, M.E. and Post Graduate Courses M.Tech in CSE, ECE, MCA & MBA

ABOUT THE DEPARTMENT

The Department of Civil Engineering GIS an under graduated programme of the college and was started in the year 2007 with an intake of 60 students and the strength increased to 120 in 2009. The department has well established laboratories and well qualified faculty in various specialized areas of Civil Engineering like Structural Engineering, Geo-Technical Engineering, Water Resource Engineering, Transportation Engineering and Environmental Engineering. The department has conducted workshops, guest lectures, techno-fests and training programs in association with

various organizations. The department is actively participated in R&D activities by offering the student live projects and guest lectures by academicians and industrial experts. It maintains the data base of old students of the department

Department. One of the greatest strength of the Civil Department

ADD ON CERTIFICATION COURSE

In the present situations of construction industry, the buildings that are being constructed are gaining significance, in general, those with the best possible outcomes which are referred to members like beams and columns in multi storeys R.C structures. The software investigation of base isolation compared with fix base, generally while analyzing structure we provide fix support for the foundation over here isolator are used instead of fixed base and compared. These are compared for base shear, story drift, story acceleration, displacement, reaction etc. In this study, a comparison is made of the seismic response of a G+14 story base-isolated building by idealizing the superstructure as rigid and flexible. In this work the Lead Rubber Bearing (LRB) isolation system is considered. Two different heights of buildings low and medium rise in zone V is considered. For such analysis ETAB software was used. 3 G+14 story structure was analyzed for dynamic earthquake using response spectrum method. The results obtained are Story drift, Story acceleration, Base shear, Lateral displacement, Reaction at base. This paper intends to demonstrate how an isolation system can be efficient, evaluating its effectiveness for the building in terms of story acceleration, base shear, story drift and story displacement reductions.

PARTICIPANTS CAN BE

All civil Students.

MAILING ADDRESS

Dr.T.Satyanarayana,
Professor and Head,
Department of Civil Engineering,
SRK Institute of Technology,
Enikepadu, Vijayawada – 521108
Andhra Pradesh, India.

www.srkit.in

Email: civilengineering.srkit@gmail.com

CONTACT NO:

G.SAHITHI: +91-9494530559

Note:

Important Dates
Date of Program
20-25 February 2023

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ENIKEPADU, VIJAYAWADA-521 108.

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ABOUT THE DEPARTMENT

The Department of Science and Humanities is a threshold for students entering into professional courses. It lays a strong foundation to the major engineering courses offered by the Institute. The department is a blend of many disciplines – English, Mathematics, Physics, Chemistry and Environmental Sciences. The courses offered by the department are English, Mathematics, Engineering Physics, Engineering Chemistry, Applied Physics, Applied Chemistry, Environmental Sciences and many more like Employability Skills, Constitution of India and Universal Human Values. The department has many experienced, research oriented faculty who actively publish papers in various National and International journals regularly. Apart from the academics, the department conducts many co- curricular and extracurricular activities for students.

ABOUT THE PROGRAM

This program equips the knowledge and skills necessary to develop effective security control, understand cyber threats and reduce the negative impacts of data breaches. Analyze various types of cybercrime including hacking, cyber stalking and identify theft while developing strategies to mitigate them.

ORGANIZING COMMITTEE

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Dept of S & H

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Mrs. P. Farzeena Khanum, Asst. Professor
Mrs. G.M.Padmaja, Asst. Professor

CERTIFICATE PROGRAM ON "CYBER SECURITY"

03 March, 2023 - 15 April, 2023



Organized by

Department of Science and Humanities

SRK INSTITUTE OF TECHNOLOGY

(An ISO 9001:2015 Certified Institution,
Affiliated to JNTU, Kakinada),

Accredited by NAAC with 'A' Grade

Enikepadu, Vijayawada, 521108,
AP, India.



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INSTITUTE OF TECHNOLOGY

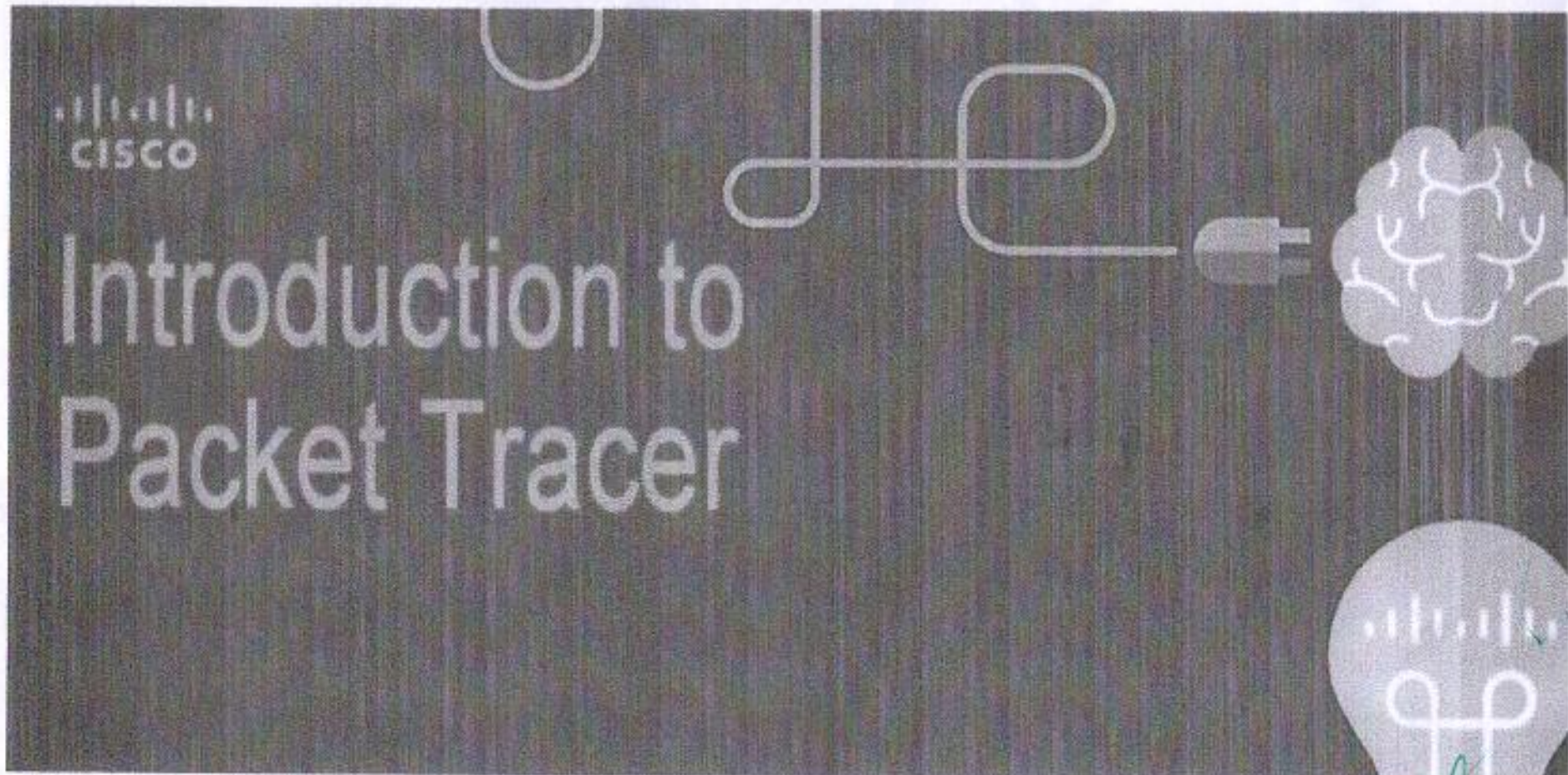
VIJAYAWADA

SRK INSTITUTE OF TECHNOLOGY

AUTONOMOUS | ACCREDITED BY NAAC WITH 'A' GRADE

APPROVED BY AICTE, NEW DELHI | PERMANENTLY AFFILIATED TO JNTUK | CERTIFIED BY ISO 9001

ENIKEPADU, VIJAYAWADA- 521108 PH. : 0866 2843839, e-mail : srktech@gmail.com | www.srktech.edu



Principals
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ENIKEPADU, VIJAYAWADA-521 108.

Networking Essentials

Explore



Networking

Course Overview

Networking Essentials teaches networking based on environments students may encounter in their daily lives including small office and home office (SOHO) networking.

This course provides hands-on learning using real equipment and Packet Tracer simulation activities.

Benefits

This course teaches the skills needed to obtain entry-level SOHO network installer jobs. Networking Essentials prepares students for continuing with the CCNA curriculum. Students studying other non-IT fields would also find this course a useful introduction to IT and networking.

Learning Components

- 9 chapters
- 21 hands-on labs
- 17 Cisco Packet Tracer activities
- 1 hands-on skills assessment
- 9 chapter exams, 1 checkpoint exam, 1 practice final exam, 1 final exam



Target Audience: Secondary and 2-year college vocational students, college and university students studying non-IT fields

Prerequisites: None

ASC Alignment Required: No

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, English, French, German, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA: Introduction to Networks, Introduction to IoT

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Languages: Arabic, Chinese-S, English, French, German, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA Introduction to Networks, Introduction to IoT

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ENIKEPADU, VIJAYAWADA-521 108.



Introduction to Cybersecurity

Explore



Security

Course Overview

The Introduction to Cybersecurity course explores cyber trends, threats and staying safe in cyberspace, and protecting personal and company data.

Benefits

Learn how to protect your personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding.

Learning Components

- 5 modules
- Interactive and instructional content
- 8 Activities and 7 lab exercises that reinforce learning
- 4 quizzes and 1 final exam
- Links to related resources



Target Audience: Secondary and 2-Year college students, general audience

Prerequisites: None

Instructor Training Required: No

ACC Alignment Required: No



Languages: Arabic, Chinese-S, Dutch, English, French, German, Hebrew, Indonesian, Italian, Japanese, Kazakh, Polish, Portuguese, Russian, Spanish, Ukrainian

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 15 hours

Handwritten signature in green ink

Networking Essentials

Explore



Networking

Course Overview

Networking Essentials teaches networking based on environments students may encounter in their daily lives including small office and home office (SOHO) networking.

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- 17 Cisco Packet Tracer activities
- 1 hands-on skills assessment
- 9 chapter exams, 1 checkpoint exam, 1 practice final exam, 1 final exam



Target Audience: Secondary and 2-year college vocational students, college and university students studying non-IT fields

Prerequisites: None

ASC Alignment Required: No

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, English, French, German, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA: Introduction to Networks, Introduction to IoT

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Python Full Stack Development



Day 1 : Front-End Part- HTML

Day 2 : Introduction to Python, Methods, libraries

Day 3 : Applying Machine Learning Algorithm, Model comparison

Day 4 : Python Multithreaded Programming
Data Science Using Python

Day 5 : Graphical user interface, Django web framework in python

Day 6 : FRAMEWORKS FOR WEB DEVELOPMENT

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Chairman, SRK FOUNDATION

Patrons :

Sri B. S. Sri Krishna

Secretary, SRK FOUNDATION

Dr. M. Ekambaram Naidu, Principal, SRKIT

Resource Person :

Ms. K. Pavani

Convener :

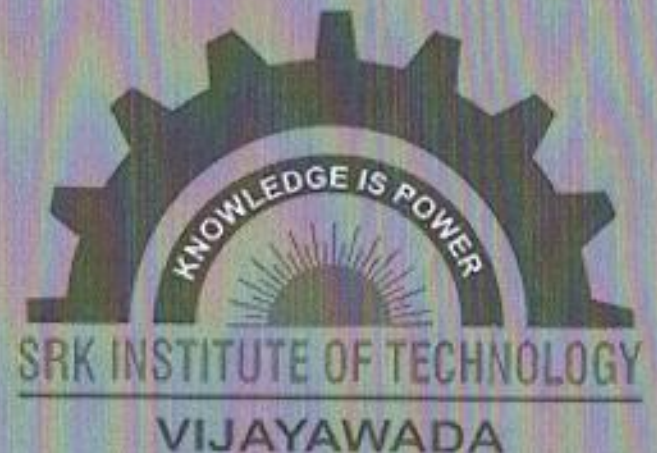
Ms. M. Anitha HOD, Dept of MCA

Faculty Co-ordinator :

Mr. E. Nagaraju

*One Week Add On
Program*

Python Full Stack Development



- NH 5, Opposite Pratap Industries, Enikepadu,
- Vijayawada,
- Andhra Pradesh,
- India - 521108

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ENIKEPADU, VIJAYAWADA - 521 108

About Workshop

Working with a website from the beginning to the launch. Creating, building & prototyping websites. Designing the user interfaces and user interactions through robust front end architecture. Managing Databases and server administration duties. Testing and debugging software and optimize it. Ensuring cross platform compatibility and optimization. Communicating with the end users to determining the websites effectiveness. Keeping up with technological advances to optimize the software. Considering security, maintenance, scalability, and more when developing



Date

01st May' 2023 to 06th May '2023

Time

09:30AM to 4:30PM

Venue

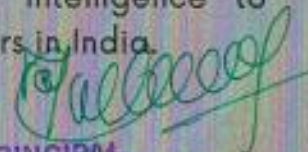
Computer Center,
Second Floor, SRKIT

About Institution

SRK Institute of Technology is one of the best engineering colleges located in Vijayawada, Andhra Pradesh. The college was established in the year 2007 with a visionary chairman Sri B.S.AppaRao. It offers Bachelor's Engineering degree in all major branches and Master's Degrees MBA, MCA and M.Tech in CSE and ECE.

About the Department

The Department of Master of Computer Applications lead by Mrs. M. Anitha is equipped with the best of resources ensuring high quality education to students. The MCA department is associated with Leading India. Ai, Bennett University, Greater Noida, which is playing major role in the reach of Artificial Intelligence to students and researchers in India.


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