



Skill Lab Training

Organized by

Skill and Career Development Cell

in association with

ShriTEK Innovations

Academic Year 2023-24

2nd Year Students



**Shridevi Institute of Engineering and
Technology, Tumakuru**

FOURTH SEM PROJECT EXHIBITION – 2024



The Skill Training for second-semester students of all the branches was organized in two schedules as

follows:

(6 DAYS):

24/06/2024 to 29/06/2024

01/07/2024 to 06/07/2024

05/06/2024 to 11/06/2024

18/06/2024 to 28/06/2024

19/07/2024 to 26/07/2024

(3 DAYS):

01/08/2024 to 03/08/2024

29/07/2024 to 31/07/2024

26/07/2024 to 29/07/2024

12/06/2024 to 17/06/2024

The Experienced resource person was called from various industries. The session was planned to be conducted completely on hands-on practical practical-oriented.

A Team of two mentors is identified and deputed for the training. Each mentors are assigned to project batches and mentors help the students in building the project. Also, three instructors are deputed to help the students in the hands-on session, so that students will not face difficulty.

After the training, all the batches of students were called for the project exhibition, and for each section, a cash prize was given for the first and second place.

The Resource persons were well experienced and they were given the tasks as Assignment on a daily basis.

The feedback on the trainers was collected and a summary of the feedback is reported.

Overall students felt happy about the training program and Thanks to management for providing the state of the infrastructure and conducting this skill training.

Second Year 4th Semester Skill Training Details:

(6 Days Training)

1. CSE-A SECTION

Number of Students: 67

Branch: Computer Science and Engineering (CSE)

Training Title: Data Analytics Using Python

Trainer: Mr. Loganathan Rangaswamy

Dates: 24/06/2024 to 29/06/2024

Explanation: This session focused on data analytics using Python, equipping CSE-A students with practical skills in data analysis and interpretation through Python programming.

2. CSE-B

Number of Students: 68

Branch: Computer Science and Engineering (CSE-B)

Training Title: Data Analytics Using Python

Trainer: Mr. Loganathan Rangaswamy

Dates: 01/07/2024 to 06/07/2024

Explanation: Similar to the CSE-A session, this training aimed at CSE-B students covered essential data analytics techniques using Python, emphasizing hands-on experience.

3. AI & DS

Number of Students: 66

Branch: Artificial Intelligence and Data Science (AI & DS)

Training Title: Hands-On Python for ML

Trainer: Mr. Loganathan Rangaswamy

Dates: 05/06/2024 to 11/06/2024

Explanation: This training provided AI & DS students with practical knowledge of machine learning using Python, covering key ML algorithms and implementation techniques.

4. ISE

Number of Students: 39

Branch: Information Science and Engineering (ISE)

Training Title: Full Stack Development

Trainer: Mr. Vijay

Dates: 18/06/2024 to 28/06/2024

Explanation: This course aimed to develop full stack development skills in ISE students, including front-end and back-end development using various programming languages and frameworks.

5. EE

Number of Students: 15

Branch: Electrical Engineering (EE)

Training Title: IOT

Trainer: Mr. Rajesh Kannan

Dates: 19/07/2024 to 26/07/2024

Explanation: This training focused on the Internet of Things (IoT), teaching EE students about IoT concepts, sensor integration, and real-time data processing.

6. EC

Number of Students: 49

Branch: Electronics and Communication Engineering (EC)

Training Title: IoT

Trainer: Mr. Rajesh Kannan

Dates: 19/07/2024 to 26/07/2024

Explanation: Similar to the EE session, this course introduced EC students to IoT, covering sensor technologies, communication protocols, and practical IoT applications.

(3 Days Training)

1. CSE-A

Number of Students: 67

Branch: Computer Science and Engineering (CSE-A)

Training Title: Python for Data Structure

Trainers: Mr. Neeyal D, Ganesh BS

Dates: 01/08/2024 to 03/08/2024

Explanation: This session aimed at enhancing data structure knowledge using Python for CSE-A students, focusing on fundamental data structures and their implementations in Python.

2. CSE-B

Number of Students: 68

Branch: Computer Science and Engineering (CSE-B)

Training Title: Python for Data Structure

Trainers: Mr. Neeyal D, Ganesh BS

Dates: 29/07/2024 to 31/07/2024

Explanation: Similar to the CSE-A session, this training targeted CSE-B students, teaching them about data structures and their applications using Python programming.

3. AI & DS

Number of Students: 66

Branch: Artificial Intelligence and Data Science (AI & DS)

Training Title: Data Structure Using Python

Trainer: Mr. Loganathan Rangaswamy

Dates: 29/07/2024 to 31/07/2024

Explanation: This training provided AI & DS students with an in-depth understanding of data structures using Python, covering both theoretical concepts and practical implementations.

4. EE

Number of Students: 15

Branch: Electrical Engineering (EE)

Training Title: Python for Data Science

Trainer: Mr. Loganathan Rangaswamy

Dates: 26/07/2024 to 29/07/2024

Explanation: This course aimed to introduce EE students to Python for data science, focusing on data manipulation, analysis, and visualization techniques.

5. EC

Number of Students: 49

Branch: Electronics and Communication Engineering (EC)

Training Title: IoT

Trainer: Mr. Rajesh Kannan

Dates: 26/07/2024 to 29/07/2024

Explanation: This training session covered IoT concepts for EC students, teaching them about sensor integration, data communication, and practical IoT applications.

6. EC

Number of Students: 49

Branch: Electronics and Communication Engineering (EC)

Training Title: Data Analytics Using Python

Trainer: Mr. Loganathan Rangaswamy

Dates: 12/06/2024 to 17/06/2024

Explanation: This course aimed to develop data analytics skills in EC students using Python, focusing on data processing, analysis, and visualization techniques.

SECOND-YEAR PROJECT EXHIBITION – 2024

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE		
TEAMS	STUDENT NAME	PROJECT TITLE
TEAM 1	Anjan B	Anomaly Detection at scale with py touch deep learning
	Waseem Ahmed	
	Sandya Reddy	
	Hemashree	

	Mithun P	
TEAM 2	Firdose Ara	Smart CCTV system using Tinker GUI
	Harshitha Y	
	Alfiya Ameen	
	Rudresh H T	
	Bharath S	
TEAM 3	Harshitha S	Image forgery Detection
	Vaishnavi Hajare	
	Thulasi P	
	C Rahul	
TEAM 4	Mohammed Zeeshan	Drowsiness detection system
	Chandana D C	
	Mahalakshmi	
	Gagana T R	
	Mohammed Saleem	
TEAM 5	Akshatha	IPL cricket score prediction
	Aijaj	
	Kavyashree H T	
TEAM 6	Rukhaiya jabeen	Hand gesture volume detection control
	Gokul	
	Sharath K M	
	Tejashwini	
	Spoorthy	
TEAM 7	Heena khanum	AI vision: Object detection and face recognition
	Varshini P	
	Rohit kumbar	
	Abhiram	
	Amith	
TEAM 8	Zoya sulthana	Bujji virtual Assistant
	Kavana K	
	Kavya N G	
	Divakar N	
	Sindhu P	
TEAM 9	Divyashree V	Hair fall detection
	Bhavyashree	
	Monika R	
	Ankit	
	Shivanand Gowda	
TEAM 10	Vinay A	Pneumonia detection using chest x-ray
	Srikanta shastri	
	Rashmi S R	
	Chandana D	

TEAM 11	Deepika K	Air canvas
	Deepika M	
	Monika R	
	Varun B P	
	Renuka Prasad	
TEAM 12	Athmiya D M	Early detection water born diseases
	Arfa M H	
	Sinchana D G	
	Manjunath Godi	
	Prem Kumar	
TEAM 13	Jayaprada Y G	Fake Currency Detection
	Kirana S A	
	Manoj	
	Sharath	
	Darshan	

COMPUTER SCIENCE AND ENGINEERING 'A' SECTION		
TEAMS	STUDENT NAME	PROJECT TITLE
TEAM 1	Poshitha S P	Breast cancer classification
	Pavithra M R	
	Nidhi D K	
	Nirmala	
	Niveditha V	
TEAM 2	Gagan P kumar	Live Portrait: Efficient portrait Animation
	Ganesh	
	Gowtham	
	Neeraj	
	Gopi	
	Naveen	
TEAM 3	Harshitha K R	Extraction of text from PDF & covert into points
	Harsitha K	
	Laxmi	
	Chaithra S R	
TEAM 4	Bibi Fathima	Image blurring using python
	Chasmiya banu G S	
	Chithra R	
	Chaithanya M	
	Disha T N	

TEAM 5	Chaithra B R	Virtual assistant
	Huzma Kousar	
	Harsthitha V	
	Divyashree T D	
TEAM 6	Bhavana A	Frame extraction using python
	Harishree A	
	Bhagyashree	
	Harsitha V	
TEAM 7	Amarnath Reddy	Automatic license plate recognition
	Ajay	
	Abhilash	
	Hemanth H A	
	Chandrashekhar	
TEAM 8	Akshya M S	Test translater text-to speech and QR code Generator
	Dhanush C N	
	Dharanesh H M	
	Bhyresh A C	
	Akash B S	
TEAM 9	Karthik M R	Crop Prdeiction
	Kishor Kumar T C	
	Aditya	
	Chandrashekhar Patil	
	Nagaraja	
TEAM 10	Md. Hussain	Virtual Mouse
	Md.Azam	
	Manoj H	
	Kantaraju M K	
	K R Oblesh	
	Mahadev	
TEAM 11	Chandan M	Mute recimmender system based on facial expression
	Musrhid Mondal	
	Akshay B H	
	Chandrashekhar P	
TEAM 12	Bhavana A	Image denoising using python
	Harsihree A	
	Bhagyashree	
	Harshitha v	
TEAM 13	Ashwini M L	Frame retraction using python
	Anusha	
	Deeksha	
	Anjali	
	Bhuvana	

TEAM 14	Hemashree	Age and Gender detection using OpenCV in python
	Monika M	
	Meghana P	
	Monika K M	
	Harshitha H S	

COMPUTER SCIENCE AND ENGINEERING 'B' SECTION		
TEAMS	STUDENT NAME	PROJECT TITLE
TEAM 1	Tejas T M	Language translator
	Shranappa A N	
	Sagara S	
	Shravan Kumar	
	Rakshitha C M	
TEAM 2	Chandan govankop	Snake game using python
	Abdulla ajaz	
	Deepak H	
	Tousar Khan	
TEAM 3	Sinchan D	Air pollution detection
	Pushpa K	
	Rakshitha R P	
	Priyanka umesh	
	Prathiba V	
	Prashanthi O	
TEAM 4	Rakshitha B V	Brightness control by hand detection
	Rachana C P	
	Shreya K	
	Sangeetha M	
	Sinchana G N	
TEAM 5	Viveka G V	Fake currency detection
	Varun	
	Sriram S	
	Tarun R V	
TEAM 6	Vijayalakshmi	Human eye detection
	Vinutha J	
	Umme kulsam	
	Varshitha G	
	Ranjitha A	
TEAM 7	Rajitha S	Intrusion detection system
	Sowbagya	
	Tejaswini	
	Shristi	

TEAM 9	Niranjn Gowda	Weather report
	Balaji nayak	
	Suhas s	
	Yogesh k v	
	Yusaf ahamed	

INFORMATION SCIENCE AND ENGINEERING		
TEAMS	STUDENT NAME	PROJECT TITLE
TEAM 1	Rakesh R	Foodie Hub
	Ranjitha A M	
	rajeshwari	
	Anupama V	
TEAM 2	Kundana B S	Railway management system
	Kusuma K B	
	Megha K E	
	Lakshmi K M	
	Sindhu	
TEAM 3	C M Manasa	Student result sheet
	Dhanush	
	Somanath	
TEAM 4	Suraj B V	Vehicle rental system
	Vasu M S	
	Rohith M G	
	Darshan H G	
	Koushik N S	
TEAM 5	Priya R	Online pizza delivery
	Manu naik K	
	Amulya S	
TEAM 6	Druthi K N	Elite estate solution
	Harsh Anand	
	Meghana H R	
	Supriya S N	

ELECTRONICS COMMUNICATION AND ELECTRICAL ENGINEERING		
TEAMS	STUDENT NAME	PROJECT TITLE
TEAM 1	Sushma S	Currency coverter
	Lakshmishree	
	Lekhana	
	Manasa	

TEAM 2	Greeshma G	Gesture control
	Bhavan T N	
	Chandana D V	
	Janavi	
TEAM 3	Sahana K N	Contact book
	Priyadarshini	
	Pruthvi	
TEAM 4	Aisha	Snake game using python programming
	Suha	
	Monisha	
TEAM 5	Kariyappa C	Introduction to ATM machine with face recognition
	Jeevan B L	
	Kiran Badigar	
	Kushal gowda	
TEAM 6	Shivanand K	Introduction to password cracking
	Vinay G P	
	Prakash	
TEAM 7	Chandana K E	Simple billing system
	Geethanjali T M	
	Hima bindu	
	Lekhanashree K S	
TEAM 8	Shruthi Agarwal	Image Anonymous
	Mamatha	
	Rakshitha	
	Pavitra	
TEAM 9	Mohammed kaif	Customized QR code generation
	Charan K N	
	Vinod V	
	Vismith S	
TEAM 10	Raghu N	Sentiment analysis
	Rahul H T	
	Pravven	
	Diwakar	
	Shashank	

INTRODUCTION TO PYTHON FOR DATA SCIENCE PROJECT

As part of our commitment to fostering practical skills and hands-on learning, we recently conducted a project exhibition on 'Data Analytics Using Python' for the second-semester students of Shridevi Institute of Engineering and Technology. This event showcased the innovative projects developed by our trained students, highlighting their understanding and application of Python in the field of data analytics.

HANDS ON PYTHON FOR ML

As part of our commitment to fostering practical skills and hands-on learning, we recently conducted a project exhibition on 'Hands-On Python for Machine Learning' for the second-semester students of Shridevi Institute of Engineering and Technology. This event showcased the innovative projects developed by our trained students, highlighting their understanding and application of Python in the field of machine learning.

DATA ANALYTICS USING PYTHON

As part of our dedication to practical learning and skill development, we recently hosted a project exhibition on 'Data Analytics Using Python' for second-semester students at Shridevi Institute of Engineering and Technology. This event showcased the innovative projects developed by our students, emphasizing their proficiency in Python for data analysis. The students presented projects involving data cleaning, visualization, and predictive modeling, demonstrating their ability to extract meaningful insights from complex datasets and apply data-driven solutions to real-world problems.

DATA STRUCTURE USING PYTHON

In line with our commitment to hands-on education, we organized a project exhibition on 'Data Structures Using Python' for the second-semester students of Shridevi Institute of Engineering and Technology. This exhibition highlighted the students' understanding of fundamental data structures and algorithms in Python. Projects included the implementation of various data structures such as linked lists, stacks, queues, and trees, showcasing their ability to solve complex problems efficiently and apply theoretical concepts to practical programming tasks.

FULL STACK DEVELOPMENT

As part of our commitment to fostering practical skills and hands-on learning, we recently conducted a project exhibition on 'Full Stack Development' for the second-semester students of Shridevi Institute of Engineering and Technology. This event showcased the innovative projects developed by our trained students, highlighting their proficiency in both front-end and back-end development. Students demonstrated their skills in creating comprehensive web applications. The projects reflected their understanding of various programming languages and frameworks. This exhibition emphasized the practical application of their full stack development training.

INTERNET OF THINGS

As part of our commitment to fostering practical skills and hands-on learning, we recently conducted a project exhibition on 'IoT' for the second-semester students of Shridevi Institute of Engineering and Technology. This event showcased the innovative projects developed by our trained students, highlighting their expertise in Internet of Things (IoT) technologies. Students demonstrated their skills in integrating sensors and real-time data processing. The projects reflected their understanding of IoT communication protocols and applications. This exhibition emphasized the practical application of their IoT training.

Exhibition Highlights:



The project exhibition provided an excellent platform for students to demonstrate their projects, which

addressed real-world problems through data-driven solutions. Projects included predictive modeling,

data visualization dashboards, and machine learning applications, each reflecting the students' & creativity and technical prowess.

Students presented a diverse array of projects, ranging from predictive analytics to sophisticated data visualizations. Some notable projects included:



Predictive Healthcare Analytics: Develop a Python-based system that uses historical health data and machine learning algorithms to predict patient outcomes and suggest preventive measures. This project demonstrates the ability to integrate data analysis with predictive modeling to enhance healthcare services.

Financial Market Analysis :Create a machine learning model in Python that analyzes historical stock market data to forecast future market trends. Utilize advanced techniques such as LSTM networks or gradient boosting to predict stock prices and market behavior.

E-commerce Recommendation Systems:Build a comprehensive full stack web application that features a recommendation engine for online shoppers. This project integrates both front-end and back-end technologies to deliver personalized product suggestions, improving user experience and boosting sales.



Sentiment Analysis on Social Media: Design a Python application that analyzes social media posts to gauge public sentiment on various topics or brands..

Environmental Monitoring: Develop a full stack web application that tracks and visualizes environmental data, such as air quality and weather patterns. This project integrates real-time data processing with interactive visualizations to provide valuable insights into environmental changes.

Project Winner Details:

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE:



The above students got **First Place** in Project Exhibition:

Their topic is **“Anomaly Detection at scale with py touch deep learning”**

1. Anjan B.
2. Waseem Ahmed.

3. Sandya Reddy.
4. Hemashree
5. Mithun P



The above students got **Second Place** in Project Exhibition:

Their topic is **“Drowsiness detection system”**

1. Mohammed Zeeshan.
2. Chandana D C.
3. Mahalakshmi.
4. Gagana T R.
5. Mohammed Saleem.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(A-SECTION):



The above students got **First Place** in Project Exhibition:

Their topic is **“Crop Prediction”**

1. Karthik M R.
2. Kishor Kumar T C.
3. Aditya.
4. Chandrashekhar patil.
5. Nagaraja.



The above students got **Second Place** in Project Exhibition:

Their topic is **“Virtual Mouse”**

1. Md. Hussain.
2. Md. Azam.
3. Manoj H.
4. Kantaraju M K.
5. K R Oblesh.
6. Mahadev.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(B-SECTION)



The above students got **First Place** in Project Exhibition:

Their topic is **“Language Translator”**

1. Tejas T M.
2. Sharannapa A N.
3. Sagar S.
4. Shravan Kumar.
5. Rakshith C M.



The above students got **Second Place** in Project Exhibition:

Their topic is **“Snake game using python”**

1. Chandan Govankop,
2. Abdulla Ajaz.
3. Deepak H.
4. Tousif Khan.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



The above students got **First Place** in Project Exhibition:

Their topic is **“Snake game using python”**

1. Rakesh R.
2. Ranjitha A M.
3. Rajeshwari.
4. Anupama V.



The above students got **Second Place** in Project Exhibition:

Their topic is **“Online Pizza Delivery”**

1. Priya R.
2. Manunaik K.
3. Amulya S

DEPARTMENT OF ELECTRONICS COMMUNICATION AND ELECTRICAL ENGINEERING



The above students got **First Place** in Project Exhibition:

Their topic is **“Gesture Control”**

1. Greeshma G.
2. Bhavana T N.
3. Chandana D V.
4. Janavi.



The above students got **Second Place** in Project Exhibition:

Their topic is **“Customized QR code generation”**

1. Mohammed kaif.
2. Charan K N.
3. Vinod V.
4. Vismith S.