



# Skill Lab Training

Organized by

**Skill and Career Development Cell**

in association with

**ShriTEK Innovations**

**Academic Year 2023-24**

**1st Year Students**



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

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# First-Year Skill Lab Training Report



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

🚦 29/04/2024 to 04/05/2024

🚦 18/05/2024 to 23/05/2024

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.

## **First Year 2nd Semester Skill Training Details:**

### **1. CSE – ME Section A, D**

**Number of Students:** 60 (A), 6 (D)

**Branches:** Computer Science and Engineering (CSE), Mechanical Engineering (ME)

**Training Title:** Python for Data Science

**Trainer:** Mr. Tajuddin Shaik

**Date:** 29/04/2024 to 04/05/2024

**Explanation:** This training program aimed to equip students from CSE and ME branches with essential Python programming skills for data science applications. Conducted by Mr. Tajuddin Shaik, the training spanned over six days, focusing on practical and theoretical aspects of Python in data science.

### **2. CSE - Section B**

**Number of Students:** 62

**Branch:** Computer Science and Engineering (CSE)

**Training Title:** Python for Data Science

**Trainer:** Mr. Ravi Kumar

**Date:** 18/05/2024 to 23/05/2024

**Explanation:** This session targeted CSE students, providing an intensive six-day course on Python for data science. Led by Mr. Ravi Kumar, the training covered key programming concepts, data analysis, and visualization techniques using Python.

### **3. ECE – EEE - Section C, G**

**Number of Students:** 37 (C), 6 (G)

**Branches:** Civil Engineering (CV), Information Science and Engineering (ISE)

**Training Title:** Python for Data Science

**Trainer:** Mrs. Megha BS

**Date:** 18/05/2024 to 23/05/2024

Explanation: This program was designed for CV and ISE students, focusing on the application of Python in data science. Over six days, Mrs. Megha BS guided the students through various Python programming techniques, data manipulation, and analysis.

### **4. ECE,EEE - Section - E**

**Number of Students:** 43, 20

**Branches:** Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE)

**Training Title:** Python for Data Science

**Trainer:** Mr. Loganathan Rangaswamy

**Date:** 13/05/2024 to 18/05/2024

Explanation: This training session was tailored for ECE and EEE students, focusing on Python's role in data science. Mr. Loganathan Rangaswamy conducted the six-day course, covering essential Python skills, data processing, and visualization techniques.

### **5. AI&DS - Section - F**

**Number of Students:** 63

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

**Training Title:** Python for Data Science

**Trainer:** Mr. Loganathan Rangaswamy

**Date:** 29/04/2024 to 04/05/2024

Explanation: This program aimed at AI & DS students, providing a comprehensive understanding of Python for data science. Led by Mr. Loganathan Rangaswamy, the six-day training covered foundational Python programming, data handling, and analysis methods

## FIRST YEAR PROJECT EXHIBITION – 2024

<b>'A' SECTION &amp; 'D' SECTION(CSE &amp; ME)</b>		
<b>TEAMS</b>	<b>STUDENT NAME</b>	<b>PROJECT TITLE</b>
TEAM 1	Madhu U	TIC-TAC-TOE Game
	Aditya Patil	
	Rakesh	
	Varshitha M G	
	Ananya K E	
TEAM 2	Karthik B Kenchi	Fake news Detection
	Kavyashree M	
	Kushala S	
	Laxman	
	Meghana H M	
	Pallavi	
TEAM 3	Anusha B L	Banking data and Analysis
	Anjanadri T N	
	Apeksha D N	
	Divakar A M	
	Koushik C	
	Ganesh k	
TEAM 4	Bhavana R	Forest fire Prediction
	Mahalakshmi R	
	Kavana H P	
	Kavana K J	
	Manasa G R	
TEAM 5	Chethana T R	Sentimental Analysis
	Deeksha M R	
	Yashoda K	
	Monyo H N	
	Kavyashree H T	
TEAM 6	Divya K B	Sign language Recognition system
	Ankitha G S	
	Manyashree T S	
	Manasa H C	
	Meghanasmith L	
	Lisha C N	

TEAM 7	Harshitha S	Food waste management
	Amrutha D R	
	Arpitha C K	
TEAM 8	Manjunatha R	Analysis of students performance in Exam
	Abhilash K R	
TEAM 9	Asmitha	Digital Lock
	Bhoomika H K	
	Kusuma G	
	Chandana V	
	B Jyothi	
TEAM 10	Krishnaveni K A	Womens Safety
	Bhoomika H V	
	Dudekula Shabana	
	Ayesha	
	Anjana Biradar	

<b>'B' SECTION (CSE )</b>		
<b>TEAMS</b>	<b>STUDENT NAME</b>	<b>PROJECT TITLE</b>
TEAM 1	Usha A M	Smart Mirrors
	Shivani T C	
	Namitha	
	Sindhu	
TEAM 2	Tejaswini K	Ortho Care
	Sanidhya B	
	Usha T N	
	Noor Tasmiya	
	Uday H N	
TEAM 3	Nisarga J	E-Krushu
	Pallavi A R	
	Parvathamma N	
	Preethi B M	
TEAM 4	Rachana D	Crime Analysis
	Rakshitha M R	
	Prathiksha H M	
	Preethi M N	
	Pushpanjali	

TEAM 5	Yashaswini K M	Resq-Tech
	Yashwanth Patil	
	Ruin	
	Sridevi P	
TEAM 6	Omkar S S	Flymeds
	Rakshitha Y V	
	Varshini M	
	Siri R S	
	Ruchith D	

<b>'F' SECTION (AI&amp;DS)</b>		
<b>TEAMS</b>	<b>STUDENT NAME</b>	<b>PROJECT TITLE</b>
TEAM 1	Soujanya	Pollution control by Afforestation
	Jeevitha	
	Dhanush	
	Sudha	
	Ananya K E	
TEAM 2	Keerthana D	Forrest fire prediction
	R Kavana	
	Vidhyashree	
	G Anush kumar	
	D V Sharath chandra	
TEAM 3	Pavithra	Smart Agriculture monitoring system
	Monica	
	Likitha	
	Yashaswini G T	
TEAM 4	Priyanka S	Clear Vision
	Pranathi A P	
	Dipankar chettri	
	Mohit kumar gupta	
	Arjun Sharma	
TEAM 5	Varshitha K	Chat Bot
	Nagmaithem Nishita	
	Nanuraikam	
TEAM 6	Deepti	Sleep health and life style analysis
	Moulya	
	Shravani	
	Harika	
	Megha K Doddamani	

TEAM 7	Varsha M	Brain stoke prediction
	Sahana N S	
	Sanjana G S	
TEAM 8	Yashaswini priya	Sugar level Detection
	Gul Alishba	
	Vijaylaksmi H	
TEAM 9	M Kavana reddy	Lung cancer detection
	Yuktha reddy	
	Nageshwari	
	Naveen	
TEAM 10	Gowda HLK	Wine quality analysis
	Prem K S	
	Adarsh N	
	Sharath L R	
TEAM 11	Zuwaria Lusha	Chatbot for SIET
	Varsha	
	Khalander	
	Roushni	
	Anusha	
TEAM 12	Jeevan S S	Diabetes prediction by machine learning
	Deepak Hosmane M	
	Chethana	
	Harshini	
	Anusha	
TEAM 13	Naveen S	Drug detection and development
	Sharath	
	Ananya K	
	Neha Y shetty	
TEAM 14	Anushree K L	Password generator
	Rashmi K C	
	Amrutha G S	
	Praveen D	

<b>'C' SECTION &amp; 'G' SECTION (CV,ISE)</b>		
<b>TEAMS</b>	<b>STUDENT NAME</b>	<b>PROJECT TITLE</b>
TEAM 1	Ankitha K M	Car price prediction
	Keerthana M	
	Anusha H B	
	Saima Aliya Zohra	
	Bhoomika C M	



TEAM 2	Priyanka H	Grocery data analysis
	Sindhu V	
	Srusti B K	
TEAM 3	Praveen B S	Drug data analysis
	Prajwal M G	
	Prajwal gowda G R	
TEAM 4	Bhoomika G	Cyber crime and data analysis
	Megha I A	
	Nayana G C	
TEAM 5	Deepak R	Laptop specification
	Darshan K V	
	Rajshekhhar S	
TEAM 6	H M Gowthami	The food waste data analysis
	Ananya H V	
	Monika R	
	TKN Pavitra	
TEAM 7	Deepak R	Lap top specification
	Darshan K V	
	Rajashekhar S	
TEAM 8	Hemabhinaya	The world's Billionare
	D Nanditha	
	Varshini B N	
	Navyashree M	
TEAM 9	Kumar swamy S	Zomata restuarnt data analysis
	Vijay kumar H	
	Sanjay kumar K S	
TEAM 10	Koushik S	Heart Disease prediction system
	Sumit	

<b>'E' SECTION (ECE,EEE)</b>		
<b>TEAMS</b>	<b>STUDENT NAME</b>	<b>PROJECT TITLE</b>
TEAM 1	A Pavan Kumar	Spell Corrector
	Karthik R P	
	Harsha N	
	Bhojaraja T	
	Manjunatha B S	
	Chandu A L	

TEAM 2	Mallikarjun Navali	Weather forecasting weather forecasting
	Darshan M	
	Ajitkumar A C	
	Badige Umesh Acharya	
TEAM 3	Drakshyani	Digital weather clock
	Suranjana	
	Varsha H R	
	Gaganashree	
	Shobita	
TEAM 4	N Nithin sai	Number guessing game
	Sudharshan M J	
	Jithendra N M	
	Chethana K	
	Jithendra J	
TEAM 5	Nayana N G	Real time chatbot
	Rachana K G	
	A Meghana	
	Keerthana P	
	Sumit	

## Introduction to Python for Data Science Project Exhibition:

As part of our commitment to fostering practical skills and hands-on learning, we recently conducted a project exhibition on 'Python for Data Science' 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 science

## Empowering Students with Python for Data Science:

The training program aimed to equip students with the essential skills required to manipulate, analyze, and visualize data using Python. Through this program, students gained proficiency in using key Python libraries such as NumPy, Pandas, Matplotlib, and Seaborn. They also explored advanced topics like machine learning with Scikit-learn and deep learning with TensorFlow and Keras

## 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:** A project that utilized machine learning algorithms to predict patient outcomes and improve healthcare services.
- **Financial Market Analysis:** An in-depth analysis of stock market trends using historical data to predict future market behavior.

- **E-commerce Recommendation Systems:** A personalized recommendation system for online shoppers, enhancing user experience and boosting sales.
- **Sentiment Analysis on Social Media:** An application that analyzed social media posts to gauge public sentiment on various topics and brands.
- **Environmental Monitoring:** A data visualization project tracking air quality and weather patterns to provide insights into environmental changes.

## Project Winner Details:

### Department of Artificial Intelligence and Data Science(F-Section):



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

Their topic is **"CLEAR VISION"**

1. Deepankar.
2. Priyanka S.
3. Pranathi A P.
4. Mohit kumar gupta.
5. Arjun Sharma



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

Their topic is **“Pollution control by Afforestation”**

1. Soujanya.
2. Jeevitha.
3. Dhanush.
4. Sudha.
5. Ananya K E



**Department of Computer Science and Engineering & Mechanical Engineering(A-section and D-section):**



The

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

Their topic is **“Fake News Detection”**

1. Karthik B Kenchi.
2. Kavyashree M.
3. Kushal S.
4. Laxman.
5. Meghana H M.
6. Pallavi P.



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

Their topic is "**TIC-TAC-TOE**" game

1. Madhav V,
2. Aditya Patil.
3. Rakesh.
4. Varshitha M G.
5. Ananaya K E.

## Department of Computer Science and Engineering(B-section):



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

Their topic is **“Smart Mirror”**

1. Usha A M.
2. Shivani T C.
3. Namitha.
4. Sindhu.





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

Their topic is **“Flymeds”**

1. Omkar S S.
2. Rakshitha Y V.
3. Varshini M.
4. Siri R S
5. Ruchitha D.

## Department of Information Science and Engineering & Civil Engineering(G-section & C-section):



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

Their topic is **“The Food waste data Analysis ”**

1. H M Gowthami.
2. Ananya H V.
3. TKN Pavithra.
4. Monisha P.



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

Their topic is **“Car Price Prediction”**

1. Ankitha.
2. Keerthana.
3. Anusha.
4. Saima aliya zohara.



**Department of Electronics and Communication and Electrical Engineering(E-section):**



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

Their topic is **“Spell Corrector”**

1. A Pavan kumar.
2. Karthik R P.
3. Harsha N.
4. Bhojaraja T.
5. Manjunatha B S.



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

Their topic is **"Number guessing game"**

1. Chethana K.
2. Jithendra J.
3. Jithendra N M.
4. Sai.
5. Sudarshan M S.