



H. K. E. Society's S. L. N. College of Engineering, Raichur
THREE DAY ONLINE WORKSHOP ON "AI WITH PYTHON"



ORGANIZED BY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
IN ASSOCIATION WITH PRAGMATIC EMBD SOLUTIONS, BANGALORE

16th June to 18th June 2021
No. of Participants: 50

Venue: Virtual mode

2:00 to 5:00 pm
Platform: Zoom Meeting

The program began with a welcome address by Dr. Vishwanath P, Associate Professor of ECE. He has introduced the resource person Mr. K Shashikiran to the participants.

Mr. K Shashi Kiran is Managing Director at Pragmatic Embd Solution, Bangalore. He has 12 years of experience in core development. He has expertise in various technical skills; few of them are Renesas – RL78 Series – R5F100LEA, R5F102AAA Silicon Labs – C8051F020, C8051F350 Microchip – DSPIC33F, PIC16F877A, PIC18F458. Raspberry Pi 3 with Python Scripting, NXP ARM 7– LPC2129, LPC2148, LPC2103, NXP ARM Cortex M0 – LPC1115FBD48, Arduino UNO & Mega, CAN Protocol handling using DSPIC33F, PIC18F458. Python Programming, Artificial Intelligence and Machine Learning, Image Processing using Python, Android Applications Development, 2 layer PCB design using OrCAD Layout Software.

Mr. Shashikiran has handled the sessions 3 hours per day for three days from 2:00 to 5:00pm.

The following topic were covered during the three days

On 16th June 2021:

- What is Artificial Intelligence? Different Concepts in AI, Relation between Human – AI Python – Idle (Software Usage), Simple understanding about Python Programming What is Machine Learning?

On 17th June 2021:

- Introduction to Image Processing, Importing the useful packages (Opencv, Numpy, Matplotlib, etc.), Supervised ML Algorithm, IP Ex – Gray Scale, Canny Edge Detection IP Ex – Camera Mount, Video Save

On 18th June 2021:

- Preprocessing the data, Supervised - Logistic Regression, Mini Project → ML - Face detection, Mini Project → ML – Loan Prediction

29 students & 21 faculty attended the workshop.

The feedback was collected from all the participants and overall feedback for the three days was excellent. Few participants expressed their views to conduct such many more programs on android, Rasbery pi, Matlab, VLSI, AI.

The program was coordinated by Dr. Vishwanath P & Prof. V K Jalihal.

In the end, Dr Vishwanath P, Associate Professor, Department of ECE offered a vote of thanks to all. He thanked the invited resource person Mr. K Shashikiran for accepting and delivering hands on sessions for three days. And also thanked to all the participants for attending the workshop. He also thanked H. K. E. Society's Management, Principal & HoD of ECE, S. L. N. College of Engineering for providing all kind of facilities and support in organising the workshop.

Glimpse- Three Day Workshop on “AI with Python”

