



# H.K.E. SOCIETY'S S.L.N. COLLEGE OF ENGINEERING

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited by NAAC)  
Yeramarus camp-584135  
Raichur, KARNATAKA, INDIA



--Lighted to Enlighten

THREE DAY ONLINE WORKSHOP ON "AI WITH PYTHON"  
ORGANIZED BY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING  
IN ASSOCIATION WITH  
PRAGMATIC EMBD SOLUTIONS, BANGALORE  
16<sup>th</sup> June to 18<sup>th</sup> June 2021 VENUE: VIRTUAL MODE 2:00 TO 5:00 PM

## About the Speaker

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.

## Session Details

### 16<sup>th</sup> 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?

### 17<sup>th</sup> 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

### 18<sup>th</sup> June 2021

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

**Registration Fee: Rs. 200/-**

**Registration Link: <https://tinyurl.com/SLNECE-PRAGMATIC>**

**Platform: Zoom Meeting**

### Co-ordinators

Dr. Vishwanath P  
Assoc. Prof.  
Prof. V K Jalihal  
Asst. Prof.

### Convener

Dr. V M Viswanatha  
Prof. & HoD "ECE"  
SLNCE, Raichur

### Chief Convener

Dr. R Basawaraj  
Principal  
SLNCE, Raichur