136.”TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT”

136."TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT"

About the Faculty Development Programme

This FDP will introduce you to the unexplored potential of the Raspberry Pi -the hardware, software and its applications. The FDP is designed to cater to all kinds –be it a novice or a tech savvy hobbyist or an expert developer extraordinaire.

It's a wonder that credit card sized computer could revolutionize the world. Most of the things desktop computer does like word processing, spreadsheet and High definition gaming can be accomplished by the Raspberry Pi. Developers, Teachers, Students, Researchers, Scientists, Hobbyist and anyone who is interested can use Raspberry Pi and build the things which were even hard to imagine before with use of simplified coding interfaces.

The topics covered are :

- Introduction to Raspberry Pi, Python Programming, Introduction & Interfacing of Arduino with LED, sensors and motors.
- Model based development using SIMULINK on Raspberry Pi.
- IoT using Raspberry Pi, MQTT server & Scratch.

The course is delivered in terms of lectures, interactions and hands-on sessions. The resource persons are from Academia and R&D profiles.

Targeted Audience
Faculty members of all branches of Engineering.

Selection
The number of participants is limited to 40 based on first come first serve basis.

Registration Fee : Rs. 1,000/-

Last Date for Registration: 11-06-2016

Contact for Registration

Prof. Jayalaxmi G. N.
Department of CSE
Email : jaya_gn@bvb.edu
Mobile No. : +91-7676272744

Accommodation
Provided on request basis with additional charges.

Contact Person
Prof. Gireesha H.M.
Department of IT
Email : gireesh_hm@bvb.edu
Mobile No. : +91-9886337908

Resource Persons

- Dr. A. B. Raju
- Dr. Vishwanath P. Baligar
- Dr. Nalini Iyer
- Dr. P. R. Patil
- Prof. Rakesh P. Tapaskar
- Prof. Prabha C. Nissimagoudar
- Prof. Venkatesh R. Mane
- Prof. Rohini Hongal

Organizing Committee

- Prof. Suvarna G. K.
- Prof. Sujata C.
- Prof. Vidya Handur
- Prof. Priyadarshini Kalwad
- Prof. Nagaratna Yaligar
- Prof. Shilpa Yaligar
- Prof. M. K. Gonal
- Prof. M. B. Gorawar
- Prof. Tanuja Javali
- Prof. Supriya Katwe

136."TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT"

K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31
TEQIP Sponsored Faculty Development Program on
Development of Applications Using Raspberry Pi and Simulink for IOT
Registration details of Outside participants

SL No.	Name	Institute	Transaction ID	Email Id	Mobile No.
1.	Cauvery Raju	BIET, Davanagere	Receipt attached	cauveryraju@gmail.com	9900256168
2.	Rajeshwari Kisan	BIET, Davanagere	sbin916164474021	rajeshwari.kisan@gmail.com	9738783026
3.	Varsha M	BIET, Davanagere	SBHY816162972791	mvarsha16@gmail.com	9538641679
4.	Sachin Patil	SKSVMACET	IR95794582	sach.patil@rocketmail.com	9980565650
5.	Anupama S N	KLEIT, Hubballi	By hand	anupama.nandeppanavar@gmail.com	7795102969
6.	Jayasheela D k	KLEIT, Hubballi	By hand	jaya.ganiger@gmail.com	9008433337
7.	Prashant M Baluragi	KLEIT, Hubballi	By hand	prashant.baluragi@gmail.com	9008433337
8.	H G Naganur	KLEIT, Hubballi	By hand	harshgn@gmail.com	9538157002
9.	Shubhada S Kulkarni	GIT Belagavi	KARBN16162558889	sskulkarni@git.edu	8050301976
10.	Praveen Kulkarni	BVBCET	By hand	praveenkulkarni9977@gmail.com	9538165929
11.	Shivanand B C	Jain College Belagavi	By hand	shivu.channi@gmail.com	9538228432
12.	Harish T S	JNNCE, Shivamogga	KKBKH16168751871	harshujji@gmail.com	7829151211
13.	Benak Patel M P	JNNCE, Shivamogga	KKBKH16168750589	benapk7@mail.com	9538527538
14.	Sangeeta T	SKSVMACET, Laxmeshwar	By hand	sangeethatavargera@gmail.com	7204622794
15.	Sunita Surang	SKSVMACET	By hand	Sunita5576@gmail.com	78150987840
16.	Sanath kumar T P	SKSVMACET	By hand	agadieaehod@gmail.com	79742599459
17.	Girish S	KLEIT, Hubballi	By hand	girishsaunshi@gmail.com	9972908776

136.”TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT”

K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31
TEQIP Sponsored Faculty Development Program on
Development of Applications Using Raspberry Pi and Simulink for IOT

136.”TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT”

K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31
TEQIP Sponsored Faculty Development Program
on
Development of Applications Using Raspberry Pi and Simulink for IOT
Registration details of Inside participants

SL No.	Name	Email Id	Mobile No.	Signature
Department CSE				
1.	Shantala Giraddi			
2.	Kavita H S			
3.	Preeti T			
4.	Umadevi F M			
5.	Aruna Nayak			
6.	Meenaxi Raikar			
7.	Padmshree D			
8.	Manjula Pawara			
9.				
Department ISE				
1	Goura Koti			
2				
Department of E & C				
1				
2				
Department of E & E				
1				
2				
Department of IT				
1				
2				
Department of MCA				
1	Prof. Hiremath			
2	Prof. Shivand Seeri			
3	Prof. A K Chikaraddi			
4	Amit K			

136."TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT"

K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31
TEQIP Sponsored Faculty Development Program
on
Development of Applications Using Raspberry Pi and Simulink for IOT

Department of Mech.			

Registration details of Organizers

SL No.	Name	Email Id	Mobile No.	Signature
Department CSE				
1.	Jayalaxmi G N			
2.	Suvarna G K			
3.	Sujata C			
4.	Vidya Handur			
5.	Priyadarshini K			
6.	Nagaratna Yaligar			
7.	Shilpa Yaligar			
8.	M K gonal			
Department IT				
1	Tanuja Javali			
2	Gireesha H M			

136.”TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT”
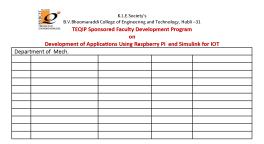
K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31

TEQIP Sponsored Faculty Development Programme on
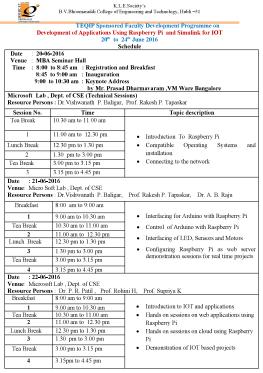**Development of Applications Using Raspberry Pi and Simulink for IOT**
20th to 24th June 2016
Schedule

Date : 20-06-2016
Venue : **MBA Seminar Hall**
Time : **8:00 to 8:45 am : Registration and Breakfast**
   8:45 to 9:00 am : Inauguration
   9:00 to 10:30 am : Keynote Address
      by Mr. Prasad Dharmavaram ,VM Ware Bangalore

Microsoft Lab , Dept. of CSE (Technical Sessions)
Resource Persons : Dr.Vishwanath P. Baligar, Prof. Rakesh P. Tapaskar

Session No.	Time	Topic description
Tea Break	10.30 am to 11.00 am	
1	11.00 am to 12.30 pm	• Introduction To Raspberry Pi
Lunch Break	12.30 pm to 1.30 pm	• Compatible Operating Systems and installation
2	1.30 pm to 3.00 pm	• Connecting to the network
Tea Break	3.00 pm to 3.15 pm	
3	3.15 pm to 4.45 pm	

Date : 21-06-2016
Venue: Micro Soft Lab , Dept. of CSE
Resource Persons : Dr.Vishwanath P. Baligar, Prof. Rakesh P. Tapaskar, Dr. A. B. Raju

Breakfast	8:00 am to 9:00 am	
1	9.00 am to 10.30 am	• Interfacing for Arduino with Raspberry Pi
Tea Break	10.30 am to 11.00 am	• Control of Arduino with Raspberry Pi
2	11.00 am to 12.30 pm	• Interfacing of LED, Sensors and Motors
Lunch Break	12.30 pm to 1.30 pm	
3	1.30 pm to 3.00 pm	• Configuring Raspberry Pi as web server demonstration sessions for real time projects
Tea Break	3.00 pm to 3.15 pm	
4	3.15 pm to 4.45 pm	

Date : 22-06-2016
Venue: Microsoft Lab , Dept. of CSE
Resource Persons : Dr. P. R. Patil , Prof. Rohini H, Prof. Supriya K

Breakfast	8:00 am to 9:00 am	
1	9.00 am to 10.30 am	• Introduction to IOT and applications
Tea Break	10.30 am to 11.00 am	• Hands on sessions on web applications using Raspberry Pi
2	11.00 am to 12.30 pm	
Lunch Break	12.30 pm to 1.30 pm	• Hands on sessions on cloud using Raspberry Pi
3	1.30 pm to 3.00 pm	• Demonstration of IOT based projects
Tea Break	3.00 pm to 3.15 pm	
4	3.15pm to 4.45 pm	

TEQIP Sponsored Faculty Development Program on

136."TEQIP SPONSORED FDP Development of Applications Using Raspberry Pi and Simulink for IoT"

K.L.E.Society's
B.V.Bhoomaraddi College of Engineering and Technology, Hubli –31

Development of Applications Using Raspberry Pi and Simulink for IOT
20th to 24th June 2016

Schedule

Date : 23-06-2016
Venue : Automative Lab, Dept. of IT
Resource Persons : Prof. S.N. Asundi, Prof. Venkatesh Mane

Session No.	Time	Topic description
Breakfast	8:00 am to 9:00 am	
1	9.00 am to 10.30 am	• Introduction to Simulink
Tea Break	10.30 am to 11.00 am	• Interfacing of Raspberry pi to simulink
2	11.00 am to 12.30 pm	• Simulink modeling and deployment on Raspberry pi.
Lunch Break	12.30 pm to 1.30 pm	• Simulink modeling and deployment on Raspberry pi.
3	1.30 pm to 3.00 pm	
Tea Break	3.00 pm to 3.15 pm	
4	3.15 pm to 4.45 pm	

Date : 24-06-2016
Venue : Automative Lab, Dept. of IT
Resource Persons : Prof. S.N. Asundi, Prof. Venkatesh M. Dr. Nalini Iyer

Breakfast	8:00 to 9:00 am	
1	9.00 am to 10.30 am	• Simulink model to interface Seven segment, and deployment on Raspberry pi.
Tea Break	10.30 am to 11.00 am	• Simulink model for live video capture , invert the image and deployment on Raspberry pi.
2	11.00 am to 12.30 pm	• Simulink model for an application and deployment on Raspberry pi
Lunch Break	12.15 pm to 1.30 pm	• Application development using PIR sensor and deployment on Raspberry pi
3	1.30 pm to 3.00 pm	
Tea Break	3.00 pm to 3.15 pm	
4	3.15 pm to 4.45 pm	