ICRTAC CPS 2018

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

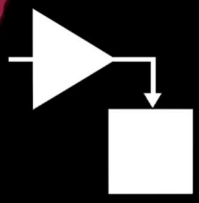
OWASP VIT STUDENT CHAPTER

SIMULINK MODEL BASED HANDS-ON DEVELOPMENT ON RASPBERRY PI

22ND SEPTEMBER 2018 (Saturday)

Rs. 1000 PER PERSON

CREATE AWESOME IOT APPS



WITHOUT ANY PROGRAMMING SKILLS

BYOB
(BRING YOUR OWN BOARDS)
OR SHARE SOME OF OURS

PRESENTED BY:
PROF. VENKATESH MANE
INDUSTRY & ACADEMIC EXPERT

FACULTY INCHARGE: PROF. RAJESH KUMAR (+91 9092952221)
PROF. NITHYANANDAM P (+91-9962066206)
STUDENT INCHARGE: RAJDEEP SINGH (+91 98111 33261)

REGISTRATION

Interested participants are requested to fill the registration form and send the same to the Organizing Secretaries. Registration fee of Rs 1000 will be accepted by Demand Draft drawn in favour of "VIT University", payable at Chennai along with the completed registration form. Registration fee does not include accommodation charges. Completed registration form along with the DD can be sent to the following address on or before 21st September 2018.

Presented By

Prof. Venkatesh Mane (13 years of industrial experience)

Address for Communication

Internet of Things (IoT) using Simulink Model Based Development on Raspberry Pi, OWASP VIT Student Chapter, VIT Chennnai Campus,
Vandalur - Kelambakkam Road,
Chennai - 600 127.

Faculty Coordiantors

Dr. Nithyanandam P
Professor
School of Computing Science and Engineering nithyanandam.p@vit.ac.in
Contact No: +91-9962066206

Dr. Rajesh Kumar
Associate Professor
School of Computing Science and Engineering rajesh.kumar@vit.ac.in
Contact No: +91-9092952221

VIT CHENNAI

VIT University for the past 33 years has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. VIT University was established with the aim to provide quality higher education on par with International Standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. MHRD, Govt of India ranked VIT as No.13 in Engineering Institution (NIRF-2016 & 2017 ranking) established by well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a center of excellence in higher technical education. VIT Chennai is ably spearheaded by Mr. Sankar Viswanathan, Vice President, Ms. Kadhambari S. Viswanathan, Assistant Vice President, Dr. Anand A. Samuel, Vice Chancellor and Dr. N. Sambandam, Pro Vice Chancellor. They share in the mission to make VIT a global center. The focus is:

- To maximize the Industrial connectivity
- To create Centers of Excellence in contemporary areas of research
- To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience
- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry/society
- To encourage participation in the National Agenda of knowledge building
- To foster International collaborations for mutual benefits in areas of research.

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MODEL BASED DEVELOPMENT ON RASPBERRY PI FOR INTERNET OF THINGS(IoT)

22nd Sep 2018 (Saturday)
Time: 08:30 AM

Conveners
Dr. Nithyanandam P
Dr. Rajesh Kumar

Organized By
School of Computing Science and Engineering
VIT Chennai

OWASP VIT STUDENT CHAPTER

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About SCSE

The School of Computing Science and Engineering at VIT University was established for imparting a state of art education, training and research in the field of Computer Science and allied areas. It offers B.Tech (CSE), M.Tech (CSE), M.Tech (CSE with specialization in Cloud Computing), M.Tech (CSE with specialization in Big Data Analytics, MCA, M.Tech (Software Engineering) & M.S (By Research), and Ph.D. programs in the domain of Computer Science and Engineering. The expertise of the faculty members includes Theoretical Computer Science, Data Mining, Cloud Computing, Big Data Analytics, Distributed Computing, Networks, Software Engineering, Signal Processing, Image Processing, Speech Processing, High Power Clustering, Networks & all frontier areas.

Mission of the workshop

To introduce you, a novice or a tech savvy hobbyist or an expert developer extraordinaire, to the unexplored potential of the Raspberry Pi -the hardware, software and its applications, without going in too deep into the programming languages that make it happen.

Hands-on Training

If you have your own raspberry, bring it. If not, don't worry, some boards will be provided on site by us.

Who Shall Attend?

Faculty, students and professionals, if you wondered to create something new in IOT using Raspberry pi without having programming background. It will be possible to accomplish in few hours in this workshop.

Objective of the Workshop

To Learn:

- Design, simulate and test custom algorithms in Simulink.
- Implementation on Raspberry Pi without writing any C-code.
- Visualize the Improvement of the Product quality by Model based design.

Workshop Timetable

S.No	Topics	Hours
1	Overview of MBD	1h
2	Role of MBD in Embedded industries	1h
3	Introduction to Matlab/Simulink	1h
4	Hands-on Sessions on Simulink building blocks	1h
5	Firmware installation for embedded hardware	2h
6	IOT Applications using Thingspeak	2h

Registration Form

Internet of Things (IoT) Using "Simulink Model Based Development on Raspberry Pi"
Date: 22nd Sep 2018 Time: 08:30 AM

Name: ……

Designation: ……

Organization: ……

Address for Correspondence:

……

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Phone: ……

E-mail: ……

Payment Details

Amount: ……

DD No: ……

Date: ……

Account Name: V.I.T. OWASP-OPEN WEB APPLICATION SECURITY PROJECT
Account Number: 6466546944 **IFSC Code:** IDIB000V098
Bank Name & Details: INDIAN BANK VELLORE INST OF TECH., CHENNAI KEELAKOTTAIYUR VILLAGE VANDALUR-KELAMBAKKAM ROAD PIN: 600127

Pay using PAYTM: +91 89533 97952 (Call before payment)
Pay using UPI: 8953397952@upi

Date: Signature