

REGISTRATION FEE:

₹5,000/- plus 18% GST
(Total amount is ₹5,900.00 inclusive of GST)

DD drawn in favor of "Principal, R.V. College of Engineering, Bengaluru-560 059". The fee can also be transferred through NEFT.

Beneficiary Name: PRINCIPAL, RVCE

Bank Account No: 136010112055

Bank Name: KOTAK MAHINDRA BANK

Branch Name: RVCE Campus

IFSC Code: KKBK0008053

SWIFT Code: KKBKINBBCPC

Last date for Registration: 25th May 2019

RESOURCE PERSONS:

Experts from CISCO, Bengaluru, LDRA Technology Pvt. Ltd., SOC EXPERTS, Cerner Health Care Pvt. Ltd along with subject experts from RVCE, Bengaluru will be handling the sessions.

Seventeen sessions are planned for the systematic conduction of the Course. This proficiency course will help in implementing best practices to meet the current industry demand in the field of Cyber security & Software Testing.

Note: Registration is restricted to Max. 40 participants on First come first served basis.

ADVISORY COMMITTEE:

Dr. M.K. Panduranga Setty, President, RSST
Sri. A.V.S. Murthy, Hon. Secretary, RSST
Dr. K.N. Subramanya, Principal, RVCE
Dr. N.K. Srinath, Dean Academics, RVCE
Dr. Shanmukha N., Dean Student Affairs, RVCE

ORGANIZING COMMITTEE:

Dr. Andhe Dharani, Director, Dept. of MCA
Dr. B.M. Sagar, HoD, Dept. of ISE
Dr. P. Ramakanth Kumar, HoD, Dept. of CSE
Dr. G.N. Srinivasan, Professor, Dept. of ISE
Dr. Jasmine K.S., Associate Professor, Dept. of MCA
Prof. Rashmi R. Assistant Professor, Dept. of ISE
Prof. Revathi S.A., Assistant Professor, Dept. of CSE

COURSE COORDINATORS:

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Rashtreeya Sikshana Samithi Trust
RV COLLEGE OF ENGINEERING®
(An Autonomous Institution Affiliated to VTU, Belagavi)
Bengaluru - 560 059, Karnataka



LDRA
Industry Partner

Proficiency Course on
"Cyber Security and Software
Testing based on Industry
Standards"

10 – 15 June, 2019

Jointly organized By

Departments of
Master of Computer Applications
Information Science & Engineering
Computer Science & Engineering
RV College of Engineering®
Bengaluru - 560 059

**Proficiency Course on
"Cyber Security and Software Testing
based on Industry Standards"**

10 - 15 June 2019

Registration Form

Name _____

Designation _____

Organization _____

Address for Communication _____

Phone _____

E-mail _____

Registration Fee Details

DD/NEFT No./Date _____

Amount _____

Name of the Bank/Branch _____

Signature of the Participant

Date _____

Office Seal

Signature of the
Head of the Institution

(This format can be reproduced for utilization of other participants)

ABOUT RVCE

Rashtreeya Vidyalaya College of Engineering (RVCE) established in 1963 is the flagship institution of Rashtreeya Sikshana Samithi Trust (RSST). RVCE is rated amongst the top five self-financing Engineering colleges in the country. Several leading National English magazines have rated the institution as the best institute in the nation amongst self-financing institutions. RVCE is an autonomous institution affiliated to Visvesvaraya Technological University (VTU), Belagavi. The institution offers 12 Bachelors and 19 Post-graduate programs. Fifteen departments are VTU recognized research centres for M.Sc (Engg.) and Ph.D. studies. Eleven UG programs and Ten Post-graduate programs are accredited by National Board of Accreditation (NBA). The institution has students strength of about 5500, research scholars 200 guided by more than 375 qualified faculty. The placement in most of the departments is over 95%.

The institution has to its credit over 1200 National and International Journal publications, filed over 40 patents, 29 published patents, completed sponsored research and consultancy projects worth Rs. 25.0crore. The institution has established Incubation Centre, Centre of Excellence in Microelectronics, CISCO sponsored Centre of Excellence in Internet of Things, RVCE-Mercedes Benz Centre for Automotive Mechatronics, Toyota Kirloskar Motors sponsored automotive workshop, RV-Bosch Rexroth Centre for Automation and LDRA CoE. The students have won awards and accolades in national and international competitions.

ABOUT THE PROFICIENCY COURSE:

Proficiency course on "CYBER SECURITY AND SOFTWARE TESTING BASED ON INDUSTRY STANDARDS" is scheduled to be held during 10th to 15th June 2019 at R.V. College of Engineering, Bengaluru. The Course is being jointly organized by Departments of MCA, Information Science and Engineering and Computer Science and Engineering in association with LDRA.

In today's digital society, Cyber security is one of the very important aspects, and testing cyber applications is an essential part of every system. The objective of the Course is to provide exposure for students, Industry professionals, Research scholars and faculties to upgrade their knowledge in the State-of-the art technologies & tools on Secure Software Testing. The course involves extensive hands-on sessions on Cyber Security and Software Testing techniques such as Coding standards compliance and detecting security vulnerabilities, Cross platform testing, Web based testing, Image based testing, Object based testing, Target Based Testing for Raspberry Pi target. The industry experts from well-known organizations such as CISCO, CERNER, LDRA, SOC EXPERTS are invited to handle the sessions.

WHO CAN REGISTER?

- (1) Working professionals from Software, Avionics & automotive industries
- (2) Research scholars and faculty from Academia
- (3) Students of MCA and Engineering discipline such as Computer Science & Engg./Information Science & Engg./Information Technology/ Electronics & Communication.

**Proficiency Course on
“Cyber Security and Software
Testing based on Industry
Standards”**

10 – 15 June, 2019

To



**Jointly organized By
Departments of
Master of Computer Applications
Information Science & Engineering
Computer Science & Engineering
RV College of Engineering®
Bengaluru - 560 059**



Rashtreeya Sikshana Samithi Trust
RV College of Engineering®

(An Autonomous Institution Affiliated to VTU, Belagavi)

R.V Vidyaniketan Post, 8th Mile, Mysuru Road, Bengaluru-59

PROFICIENCY COURSE ON
“CYBER SECURITY AND SOFTWARE TESTING BASED ON INDUSTRY STANDARDS”

10th – 15th June 2019

Day/Date	9:30 am To 11:00 am	11:30 am To 01:00 pm	2:00 pm To 3:15 pm	3:30pm to 5:00pm
10-06-2019 Monday	Registration (9:00- 9:30), Inauguration & Keynote Speech (Mr. Giri Govindarajulu Chief Information Security Officer, Cisco APAC)	Cyber security and Software Testing – Insights (Dr. G.N. Srinivasan, RVCE)	Coding Standards- Overview (Dr. Jasmine K S, RVCE)	Code Coverage Metrics (Dr. Divya T L, RVCE)
11-06-2019 Tuesday	Code Review: Coding Standards Compliance and Detecting Security Vulnerabilities using LDRARules for C/C++ language. Focus: Compliance with Coding Standards like MISRA & SEI CERT for C/C++ language, Secure Coding (Experts from LDRA)	Quality Review & Design Review using LDRARules for C/C++ language. Focus: Software Quality Metrics for Clarity, Testability & Maintainability, Data Flow, Call Graphs & Flow Graphs Hands on Session (Experts from LDRA, Prof. Revathi S A)	Dynamic Analysis, Code Coverage Analysis at System Level, Data Flow & Control Flow Analysis using LDRACover for C/C++ Focus: Code Coverage Metrics, Find Dead Code/Unreachable Code Hands on Session (Experts from LDRA, Prof. Revathi S A)	Session Continue: Dynamic Analysis, Code Coverage Analysis at System Level, Data Flow & Control Flow Analysis using LDRACover for C/C++ Hands on Session (Experts from LDRA, Prof. Revathi S A)
12-06-2019 Wednesday	Code Coverage Analysis at Unit Level using LDRAAunit for C/C++ Focus: Unit Testing Hands on Session (Experts from LDRA)	Unit, System, Integration Testing, Black Box, White Box & Grey Box Testing using LDRAAunit for C/C++ Focus: Unit Testing Hands on Session (Experts from LDRA, Prof. Rashmi R)	Target Based Testing using LDRAAunit for Raspberry Pi target. Focus: Find code coverage on Raspberry Pi, Test Case Pass/Fail report Hands on Session (Experts from LDRA, Prof. Rashmi R)	Target Based Testing using LDRAAunit for Raspberry Pi target. Hands on Session (Experts from LDRA, Prof. Rashmi R)

Tea Break (11:00 am To 11:30 am)

Lunch Break (01:00 pm To 02:00 pm)

Tea Break (3:15 pm To 03:30 pm)

13-06-2019 Thursday	SOC Overview, Cyber Security – Defensive and Offensive mechanisms; Tools and Techniques to detect and mitigate attacks with use- cases from IT industries. (Experts from SOC EXPERTS)	VPAT Mechanism, PT Testing Life cycle; Hands on session on scanning tools. Hands on Session (Experts from SOC EXPERTS)	Study of the Top 10 attacks in current IT Industries. (Experts from SOC EXPERTS, Dr. G.N. Srinivasan)	Hacking and Penetrating Real Network. Hands on Session (Experts from SOC EXPERTS, Dr. G.N. Srinivasan)
14-06-2019 Friday	Automation Testing types, Web based Automation Testing using Selenium Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Divya T L)	Web based Automation Testing using Selenium with Java & Python Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Divya T L)	Cross-Platform Testing using Selenium Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Divya T L)	Object based Testing Using Touchstone (Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)
15-06-2019 Saturday	Automating Desktop & Web Application using Eggplant (Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)	Image based Automation Testing using Eggplant (Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)	Continuous Integration Testing using Jenkins Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)	Valedictory & Certificate Distribution