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: KKBKINBBPCC

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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Prof. Revathi S.A.  
Assistant Professor, Dept. of CSE  
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Mob: 9740817897; e-mail: rashmir@rvce.edu.in

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

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
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 Macroelectronics, 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
<table>
<thead>
<tr>
<th>Day/Date</th>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10-06-2019</td>
<td>9:30 am To 11:00 am</td>
<td>Registration (9:00-9:30), Inauguration &amp; Keynote Speech (Mr. Giri Govindarajulu, RV College of Engineering)</td>
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<td>Tea Break (11:00 am To 11:30 am)</td>
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<td>11:30 am To 01:00 pm</td>
<td>Cyber security and Software Testing – Insights (Dr. G.N. Srinivasan, RVCE)</td>
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<td>2:00 pm To 3:15 pm</td>
<td>Coding Standards Overview (Dr. Jasmine K S, RVCE)</td>
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<td>3:30 pm to 5:00 pm</td>
<td>Code Coverage Metrics (Dr. Divya T L, RVCE)</td>
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<td>Lunch Break (01:00 pm To 02:00 pm)</td>
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<td>Target Based Testing using LDRAunit 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)</td>
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<td>Tea Break (3:15 pm To 03:30 pm)</td>
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<tr>
<td>12-06-2019</td>
<td></td>
<td>Code Coverage Analysis at Unit Level using LDRAunit for C/C++ Focus: Unit Testing</td>
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<td>Unit, System, Integration Testing, Black Box, White Box &amp; Grey Box Testing using LDRAunit for C/C++ Focus: Unit Testing Hands on Session (Experts from LDRA, Prof. Rashmi R)</td>
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<tr>
<td>13-06-2019</td>
<td>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)</td>
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<td>VPAT Mechanism, PT Testing Life cycle; Hands on session on scanning tools.</td>
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<td>Study of the Top 10 attacks in current IT Industries.</td>
<td>(Experts from SOC EXPERTS, Dr. G.N. Srinivasan)</td>
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<td>Hacking and Penetrating Real Network.</td>
<td>Hands on Session (Experts from SOC EXPERTS, Dr. G.N. Srinivasan)</td>
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<td>Cross-Platform Testing using Selenium</td>
<td>Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Divya T L)</td>
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<td>Object based Testing Using Touchstone</td>
<td>(Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)</td>
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<td>Image based Automation Testing using Eggplant</td>
<td>Hands on Session (Experts from CERNER Healthcare Pvt. Ltd, Dr. Jasmine K S)</td>
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<td>Valedictory &amp; Certificate Distribution</td>
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