Software Testing and Quality Assurance is predominant for the smartness of the Software system. Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding. The real challenge to deliver successful software product relies on sound testing strategies and tools. The rapid development of automated aids to development and testing increases the need of change from manual testing to automated testing. Effective software testing maintains software quality. Software quality assurance starts from the beginning of a project, right from the analysis phase and thus understanding the role of software testing is very much mandatory. The primary outcome of the course is to provide exposure on research trends in Software Test Automation and Quality Assurance by sharing the research expertise with peers and gain research competence from Industry and Academicians.

**COURSE CONTENTS**

- SDLC and Software Testing
- Test case Generation and Automation
- Object-Oriented Testing
- Agent-Oriented Testing
- Software Test Automation Tools
- Software Metrics and Quality
- Software Process Improvements
- Software Quality Standards
- Software Reliability
- Secure Software Engineering
- Research issues in Software Testing

**COURSE FACULTY**

Faculty of Pondicherry Engineering College, Guest Faculty from reputed institutions and experts from R&D organizations.

**ELIGIBILITY**

The Faculty Members/Research Scholars of AICTE approved Engineering Colleges / Polytechnics and Professionals from Industry are eligible to apply for the course. Admission will be offered subject to the availability based on the QIP- course norms. The number of seat is limited to 30.

**TA/DA & ACCOMMODATION**

TA/DA will be paid to the participants as per QIP norms. Working lunch, tea and refreshments will be provided to all the participants. Accommodation will be provided to the selected outstation participants in the student's hostel on twin sharing basis upon request.

**COURSE FEE**

There is no registration fee for the applicants from AICTE approved institutions. Participants from industries have to pay a course fee of Rs. 5,000/- and must meet the TA and DA from their own organizations. The demand draft (for participants from industry) should be drawn in favour of "The Principal, Pondicherry Engineering College", payable at Puducherry.

**REGISTRATION**

Registration form can be downloaded from the Institute website (www.pec.edu). Interested participants shall apply through post/fax/email with the prescribed format duly signed and forwarded by the head of the sponsoring institution. The selection results will be intimated to the participants through email and college website.

- **Last date for registration**: 02.11.2015
- **Intimation of selection**: 06.11.2015

**QIP SPONSORED**

**SHORT TERM COURSE**

**ON**

**SOFTWARE TESTING AND QUALITY ASSURANCE**

(16.11.2015 to 20.11.2015)

**REGISTRATION FORM**

Name: Dr./Mr./Ms.: -----------------------------
Academic Qualification: -----------------------------
Designation/Dept.: -----------------------------
Years of Teaching Experience: -----------------------------
Area of Specialization: -----------------------------
Phone/Fax: -----------------------------
E-mail: -----------------------------
Address: -----------------------------
PIN code: -----------------------------
Is the institution approved by AICTE? Yes/No
Need accommodation: Yes/No

Signature of the Applicant

Forwarded by (Head of the Institution)
DECLARATION BY APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the QIP – STC Programme. I shall attend the programme for the entire duration.

Place: 
Date: 

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr/Mr./Ms --------------------------- is an employee/Research Scholar of our institution and is sponsored to attend the QIP–STC on Software Testing and Quality Assurance. He/She will be permitted to attend the course fully, if selected.

Place: 
Date: 

Signature of the Sponsoring Authority with seal

ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poet Subramaniya Bharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri lake, Chunambal boat house, Botanical Garden, Manakula Vinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is an autonomous institution started in the academic year 1985-86 under the seventh plan is promoted and fully funded by the Government of Puducherry. Ever since its inception, the college has registered speedy progress and it now offers eight undergraduate, thirteen post graduate courses, and PhD programmes in all branches of Engineering and basic Sciences. The college has been granted funds by NPIU under TEQIP Phase II and the project is under implementation. The college is situated at Pillaichavady, about 12 Km from Puducherry town and about 150 Km from Chennai along the scenic beauty East Coast Road (ECR) on the shores of the Bay of Bengal.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established during the inception of the college. The Department offers B.Tech (CSE), MCA, two M.Tech programmes with specializations on Distributed Computing Systems and Information Security and Ph.D programme.

QIP SPONSORED
SHORT TERM COURSE
ON
SOFTWARE TESTING
AND
QUALITY ASSURANCE
NOVEMBER 16th – 20th, 2015

COORDINATORS
Dr. D. LOGANATHAN &
Dr. N. SIVAKUMAR

Address for Correspondence
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