

Faculty Development Training Programme  
on  
**SOFTWARE ENGINEERING AND QUALITY ASSURANCE**  
16<sup>th</sup> – 22<sup>nd</sup> December, 2013  
(Sponsored by Anna University – Chennai)

The one week Faculty Development Training Programme was conducted from 16<sup>th</sup> December, 2013 – 22<sup>nd</sup> December, 2013. Prof. M. Devaraju, Head, Department of Computer Technology and Applications welcomed the gathering. Mr. Perumal Rajaram, Senior Consultant, Tata Consultancy Services, Chennai inaugurated the programme and delivered the introductory session.

Academics and industry personnel handled various sessions through the course of the week covering the topics as well as providing inputs from the industry. Also, academics pursuing research in the area touched upon research areas that can be pursued by the faculty.

A case study based approach was considered to learn and understand the entire gamut of areas in Software Engineering and Quality Assurance. Each participant was given a case study. The case study was used to apply techniques of each phase of the Software Development Life Cycle, thereby giving a chance for faculty to understand what techniques to apply. Sessions on Software Testing and Quality Assurance was handled with a focus on techniques and standards.

Further, practical sessions helped participants understand tools applicable to the area. Rational Suite was introduced by Mr. Vijayanand Rajendran, IBM, Bangalore which was practiced by the participants in an afternoon session. Further, JUnit, a testing tool was introduced to aid faculty in writing test cases. As Agile Methodologies are being introduced and used widely in the industry today, an introduction was given by Mr. Rajesh, Director, Cognizant Technology Solutions, Cochin so that participants can get an idea and use it in their teaching.

The programme thus covered not only the set scope but also looked at the same from an industry perspective. Participants used the seven day training programme as a forum for discussing and debating issues related to software engineering.



## Schedule

Date	Time	Session	Topic	Speaker/Organization
16 <sup>th</sup> Dec. 2013	8:45 a.m. – 9:00 a.m.	FN	Registration	
	9:00 a.m. – 9:30 a.m.	FN	Inauguration	
	9:30 a.m. – 12:15 p.m.	FN	Software Engineering and Quality Assurance – An Overview	Mr. Perumal Rajaram Senior Consultant, Tata Consultancy Services, Chennai.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Software Product and Process	Dr. P.G. Sapna Associate Professor Dept. of CTA, CIT.
17 <sup>th</sup> Dec. 2013	9:00 a.m. – 12:15 p.m.	FN	Software Requirements	Prof. Palanisamy Professor and Head, Dept. of CSE & IT CIT, Cbe.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Case Study	Ms. L. Yamuna Devi, Asst. Prof Dept. of CTA, CIT.

<b>18<sup>th</sup> Dec. 2013</b>	9:00 a.m. –12:15 p.m.	FN	Analysis, Design Concepts and Principles (using Software Tool)	Dr. T. Senthil Kumar Asst. Prof., Dept. of CSE Amrita University, Cbe.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Analysis, Design Concepts and Principles	Dr. T. Senthil Kumar Asst. Prof., Dept. of CSE Amrita University, Cbe.
<b>19<sup>th</sup> Dec. 2013</b>	9:00 a.m. –12:15 p.m.	FN	Software Development using UML	Mr. Vijayanand Rajendran IBM, Bangalore.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Lab Session (Rational/Vensim)	Ms. Umarani, Asst. Prof. Ms. Srividya, Asst. Prof. Dept. of CTA, CIT.
<b>20<sup>th</sup> Dec. 2013</b>	9:00 a.m. –12:15 p.m.	FN	Software Quality Assurance	Dr. T. Venkatesan Professor and Head, Dept. of CSE PSG College of Tech, Cbe.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Software Testing	Dr. Geetha Devasena Asst. Professor, Dept. of CSE Sri Ramakrishna Engg. College, Cbe.
<b>21<sup>st</sup> Dec. 2013</b>	9:00 a.m. –12:15 p.m.	FN	JUnit – Demo and Lab Session	Ms.J.Shana , Asst. Prof. Dept. of CTA, CIT.
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 4:45 p.m.	AN	Software Engineering- Case Studies	Mr. Rajesh Director Cognizant Technology Solutions, Chennai.
<b>22<sup>nd</sup> Dec. 2013</b>	9:00 a.m. –12:15 p.m.	FN	Presentation of Case Studies by Participants – Review	Panel – Dr. P.G. Sapna, Ms. V. Keerthika
	12:15 p.m. – 1:30 p.m.	Lunch		
	1:30 p.m. – 3:15 p.m.	AN	Presentation of Case Studies by Participants – Review & Discussion	Panel – Dr. P.G. Sapna, Ms. V. Keerthika
	3:15 p.m. – 4:15 p.m.	AN	Valedictory	Dr. V. Selladurai Principal, CIT, Cbe.

