ASE-2016

Workshop

on

Advancements in Software Engineering

August 16-27, 2016

A Brief Report of the Workshop

A workshop of two weeks duration on Advancements in Software Engineering has been organized at Jaypee University of Engineering & Technology during August 17-27, 2016 by the Department of Computer Science & Engineering. Below mention topics have been covered-

- Recent developments in Software engineering
- Software Change trends
- Role of Web Service in Software engineering
- Risk assessment and agile methodology
- Assessments of Defect density and software Quality
- Component based software Engineering
- Strategy for business logic
- Component Characteristics and UML,
- Component Models and Architectures,
- Component-based Development Process including roles, SOLID - Design Principles,
- Design Patterns, COTS – Evaluation and Selection, COCOMO II and effort estimation, Measurement and Metrics for Software Components,
- Service-oriented Architectures, Implementation in Java, testing with Junit and Software Agents as Next Generation Software Components focusing JADE.
- Modeling of components, Event Bus, Metrics and quality management,
- SOLID design principles, design patterns Lambda Streams,
- Component models, software agents as next generation as a software component and transformation SQL to Lambda streams etc.

This workshop was arranged in 22 technical sessions spread over two weeks with a nice blend of lectures, Demonstrations and Hands on practices. In this workshop seven resource persons, namely:

Dr. Carsten Mueller [ITG, Nuremberg, Germany (http://www.itg-research.net/)] – Main Resource person

Prof. Ugresen Suman (DAVV, Indore)

Dr. Maya Rathore (DAVV, Indore)

Prof. Shishir Kumar (JUET, Guna)

Dr. Prateek Pandey (JUET, Guna)

Mr. Dinesh Verma (JUET, Guna)

Mr. Amit Srivastava (JUET, Guna)

A total of 74 participants have participated in this workshop with full enthusiasm. Outcome of the workshop was well appreciated by the participants and workshop was completed with a positive note that such events should be organized frequently.

HOD (CSE)
JUET Guna