



**Workshop on**  
**“Software Engineering Body of Knowledge (SWEBOK) Module-II”**

**Organized by**  
**GTU & C-DAC from 24<sup>th</sup> Feb to 27<sup>th</sup> Feb 2014**

Gujarat Technological University (GTU) and C-DAC has a good innovative idea to conducting the M.E. programs with the industry collaboration and the learning process will be in the practical and research orientation.

Gujarat Technological University (GTU) & C-DAC jointly organized a one-day workshop on **“Software Engineering Body of Knowledge(SWEBOK)”**, for Information Security Experts, IT Professionals, Professors and Research Students.

The workshop was held at **BISAG Center**, Gandhinagar from **24<sup>th</sup> Feb to 27<sup>th</sup> Feb 2014**. The Resource Persons for the workshop were:

Total 43 Participants were present including the Faculty Members and Students who attended the workshop.

### **HIGHLIGHTS OF WORKSHOP:**

The event was inaugurated by **Mrs. Usha Banker**, Deputy Director, GTU with floral welcome to keynote speakers Mr. Ganesh. A delightful beginning was made by **Mrs. Usha Banker, Deputy Director, GTU** with his motivational speech for students and faculties. He made focus on current technology available for Software Engineering and also encourage the students for carrying out research work on IEEE Software Engineering.

Then **Mrs. Usha Bankar** invited keynote Speakers **Mr. Ganesh** to start the session. The keynote speakers presented their thoughts and made participants aware about basics of Software Engineering. The Workshop was concluded with presenting ward of thanks to the keynote speaker.

### **TECHNICAL SESSIONS FROM KEYNOTE SPEAKER:**

#### **TECHNICAL SESSION “SWEBOK”**

The first Technical Session was started by **Mr. Ganesh, IEEE Member**. He is Technical Instructor with technical and training experience in IEEE SWEBOK Certification. Passionate about delivering solutions and training based on Software Engineering. He shared his experience and raised awareness of the importance of Software Engineering.



**Mr. Ganesh During Lecture**

### **IEEE-ACCS SWEBOK Certification Program**

ACCS, in association with IEEE, offers the Software Engineering Body of Knowledge (SWEBOK) Certificate Program to all our GTU staff members as well as for students. While the Certified Software Development Associate (CSDA) credential is intended for graduating software engineers and entry-level software professionals, the Certified Software Development Professional (CSDP) credential is intended for mid-career software professionals looking to advance in their careers. These certifications are offered by IEEE and are based on SWEBOK.

The Guide to SWEBOK describes generally accepted knowledge about software engineering. Its 10 knowledge areas summarize basic concepts and include a reference list pointing to the detailed information. ACCS members will not have access to the SWEBOK Certificate Program course materials in electronic form. Upon completion of a module within the SWEBOK Certificate Program, you will be entitled to an electronic certificate of completion issued by IEEE.



The **Guide to the Software Engineering Body of Knowledge (SWEBOK)** was established by the IEEE with the following five objectives:

1. To promote a consistent view of software engineering worldwide
2. To clarify the place “and set the boundary” of software engineering with respect to other disciplines such as computer science, project management, computer engineering, and mathematics
3. To characterize the contents of the software engineering discipline
4. To provide a topical access to the Software Engineering Body of Knowledge
5. To provide a foundation for curriculum development and for individual certification and licensing material

The list of **proposed Knowledge Areas** in the Straw Man version based on ISO/IEC 12207 is:

- Development Process
- Requirements Analysis
- Detailed Design
- Coding
- Testing
- Maintenance Process
- Configuration Management
- Quality Assurance
- Verification and Validation
- Improvement Process
- Management Process

The list of proposed Knowledge Areas in the Straw Man version that do not converge well with ISO/IEC 12207 is:

- Software Development Environments
- Software Engineering Overview & Definition
- Measurement/Metrics
- Software Reliability



**Faculty and Students in Workshop room**



**Report presented by:**  
**Asst. Prof. Bhadreshsinh Gohil and CDAC-GTU Team**  
**GTU PG School,**  
**Ahmedabad**