# April 25, 2013 augments technical education through the historic Collaboration between Gujarat Technological University and IEEE



## About Gujarat Technological University

Gujarat Technological University has been established with the prime objective of ensuring that education in the fields of Engineering, Pharmacy, MBA, and MCA is provided at a high level all over the state of Gujarat.

The University is required to work for the improvement of higher education system through its work in the domain of science, engineering, management, and computer applications. This work of Gujarat Technological University is further aided by different societies and organizations, through different kinds of collaborations and MOUs being made with GTU.The university is doing continuous efforts to make itself a world class technical university .With a number of national and international awards to its credit GTU is all set to churn out technologically and professionally qualified and trained graduates to conquer the world.

## About IEEE and Computer Society

IEEE is the world's largest technical professional organization dedicated to the advancement of technology for the benefit of humanity. Through its highly cited publications, conferences, technology standards, and Professional and educational activities, IEEE is the trusted voice on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Learn more at www.ieee.org.

IEEE Computer Society is the world's leading computing membership organization and the trusted information and career-development source for a global workforce of technology leaders including: professors, researchers, software engineers, IT professionals, employers, and students. The unmatched

source for technology information, inspiration, and collaboration, IEEE Computer Society is the source that computing professionals trust to provide high-quality, state-of-the-art information on an on-demand basis. The Computer Society provides a wide range of forums for top minds to come together, including technical conferences, publications, and a comprehensive digital library, unique training webinar, professional training, and the TechLeader Training Partner Program to help organizations increase their staff's technical knowledge and expertise. To find out more about the community for technology leaders, visit [http://www.computer.org](http://www.computer.org).

## **About the MOU**

Gujarat Technological University (GTU) and IEEE have announced an offering of educational services and technical material to GTU and its affiliated colleges in Gujarat.

Under IEEE Computer Society's Registered Education Provider (REP) program, GTU will provide its students with the SWEBOK Certificate Program (SCP) and the Certified Software Development Associate (CSDA) and Certified Software Development Professional (CSDP) credentials.

GTU students who complete one or more modules in the SCP series and an independent assessment will be awarded an IEEE certificate recognized by corporations worldwide for software engineering proficiency. IEEE Computer Society will provide Train-The-Teacher (TTT) workshops enabling GTU to designate teachers and trainers for programs, and provide access to the Computer Society's TechLeader Online e-learning courses and TechLeader on Demand webinars.

"This important collaboration is significant not only for IEEE and GTU, but  also for the students who will be taking advantage of new learning options to enhance their technical education and become part of the global workforce," said Angela Burgess, IEEE Computer Society Executive Director. "We are looking forward to working with GTU to help advance the cause of technical education, be it through certificates, online courses, webinars, or standards development.

The SCP, consisting of four learning modules with 25-plus hours of instruction each, was created to raise a university student's understanding of the 15 Knowledge Areas ,it acts as a Guide to the Software Engineering Body of Knowledge (SWEBOK), which provides the basis for IEEE Computer Society software development certifications.

The CSDA, designed for entry-level software developers, is intended to provide undergraduate computer science and software engineering students their first credential toward a solid career foundation as a software development practitioner. The CSDP, designed for mid-career professionals, helps software developers demonstrate their commitment to the profession and confirms their proficiency in the software development field.

"The students and faculty of GTU engineering programs will benefit immensely from the IEEE offerings, especially SCP, e-learning courses, technical webinars, participation in upcoming standards' definition, and technical instruction-led courses made for GTU," said Dr. Akshai Aggarwal, GTU vice chancellor. "The addition of these programs will enable GTU students to acquire knowledge to enhance their opportunities for employment and career progression globally."

"IEEE, through this long-term partnership program with GTU, fosters programs like the Faculty

Development Program, IEEE standards education, and technical support for projects, which will help GTU faculty and students to be at par with global universities," said Harish Mysore, Director India Operations of IEEE.

The IEEE Standards Association will conduct standard workshops at GTU to increase student and faculty understanding of international standards development processes. The IEEE Educational Activities unit will conduct technical communication courses for engineering students and faculty and establish an award for the best innovative idea.

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