A Report on

Section Technical Expert Program (STEP)

By

Dr. Maulin Joshi

On

"*Application of Soft Computing*"

Dated 18th September, 2019

Organized by Uka Tarsadia University IEEE Student Branch

In Collaboration with

Expert: Dr. Maulin Joshi, Head- EC Dept, SCET, Surat

Total No. of Participants: 45 (8 IEEE Members + 37 Non IEEE Members)

Place: Chhotubhai Gopalbhai Patel Institute of Technology, UTU, Bardoli

On 18th September 2019 Uka Tarsadia University IEEE Student Branch conducted a Section Technical Expert Program (STEP) titled "Applications of Soft Computing". The talk started at around 1.30 pm in Classroom. The expert for the event was Dr. Maulin Joshi, Head, SCET, Surat. Prof. Naitik Nakrani, Student Branch Counselor greeted the speaker.

Dr. Maulin Joshi briefly discussed about IEEE Student Branch and their advantages to students who are IEEE Student member. He also described various activities help in the banner of IEEE Gujarat section and in Asia specific region. Then he started with his talk of Soft computing words namely, Neural Network, Fuzzy System, Genetic algorithm and Machine Learning. He broadly explain classification of soft computing algorithms followed by overview of each technique individually. He gave many real time examples where soft computing approaches can be used like human uses its brain. Finally talk is ended with real time applications of soft computing in Wireless sensor network. He gave analogy of ISRO chandrayan too.

The talk concluded at 3:00 p.m. and Ms. Pherosha Antony, Student Branch Member, thanked the speaker with a memento. A group photo was taken after valedictory.