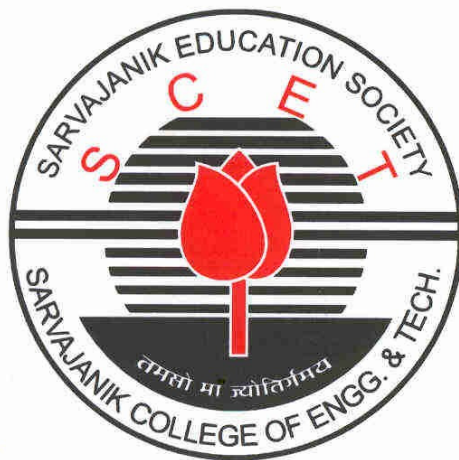


Sarvajanik Education Society
Sarvajanik College of Engineering & Technology, Surat



Department of Electrical Engineering

**Expert Talk
On
“Power System Security, Blackout & Restoration”**

An Expert talk has been arranged to target the students of M.E. - I and B.E. - IV year, Department of Electrical engineering covering the subjects of Computer Methods in Power System Analysis & Inter Connected Power System. Objective of the talk was to give brief idea about security of Power System & blackout in grid.

Resource Person: Dr.Ritesh R. Patel, Professor, EED,GCET, V.V.Nagar

Venue: TIFAC Core

Date & Time: 23th August 2017, 10:30 am onwards

Participants: (50 +) 1st Year Postgraduate Students & 4th Year Undergraduate Students

Brief Introduction of Speaker:

Prof. (Dr.) Ritesh R. Patel is currently serving as Professor at G H Patel College of Engineering & Technology, Vallabh Vidhyanagar with total experience of 18 years. He has completed his masters from M S University, Vadodara & has a Ph.D. in High Voltage Engineering from the renowned Indian Institute of Technology, Kanpur. He has published 5 papers in International Journals & Presented 12 papers in Nation/International Conferences. He has also received DEIS-IEEE Fellowship Award for the year 2008-2009. He has been awarded IEEE- Dielectric and Electrical Insulation Society (DEIS) scholarship in 2009 & 2010. His areas of interest are related with power system subjects.

Session Summary:

The Expert Lecture on “Power System Security, Blackout & Restoration” was organized by Department of Electrical Engineering. The session commenced with welcome speech addressed to the audience by **Prof. Krishna Vakharia**.

Prof. Krishna Vakharia gave a brief introduction of Prof. (Dr.) Ritesh R. Patel and **Prof. Naman B. Bhatt** felicitated him with flowers as a token of love and affection.

Prof. (Dr.) Ritesh R. Patel explained Basics of Power System Security in detail. He explains different operating state of Power system. He taken Practical Example of 2 area system and explain state transition in detail. He also told some interesting analogy of Power System Network to Human body. Professor than explain different factor affecting Power System. After these he explains linear sensitivity factor. He then discuss about cascade tripping of generator.

Lastly he explains the major blackout and gives example of India 30-31st July 2012 blackout.

The talk session by Prof (Dr.) Ritesh R. Patel proved to be very informative and beneficial to 1st year PG & 4th UG students. Excellent coverage of topic with correlation of field interpretation by Prof. (Dr.) Ritesh R. Patel proved to be very interesting to students.

Prof Sidhdhi Patel concluded the session by vote of thanks on behalf of Department of Electrical Engineering.

This is how one more successful event has been credited to the Department of Electrical Engineering.

Glimpses of the Event:

Power System Security, Blackout & Restoration

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From Darkness to Luminance

Dr. Ritesh Patel
Department of Electrical Engineering
G. H. Patel College of Engineering and Technology – V V Nagar (Gujarat)
Email : r2patel@yahoo.com





