



**VAAGDEVI COLLEGE OF ENGINEERING**  
**UGC AUTONOMOUS**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**FDP on Soft Computing Applications in Power System**

Electrical & Electronics Engineering Department has organized a One Week FDP on “**Soft Computing Applications in Power System**” dated 20-11-2017 to 25-11-2017 by Dr. Durga Hari Kiran B and Mrs. P Thanuja for Faculty of the college and other AICTE approved colleges. Dr. M Sailaja Kumari has given a lecture series and demonstration on various Soft Computing techniques on first two days. Followed by a session on Artificial Neural Networks application to Power System by Dr. K Prakash. No of Participants Faculty Participants: 54

The programme is started with welcome note by the Principal Dr. K. Prakash followed by the lecture session.

During this workshop the following points were discussed:


- Various soft computing techniques.
- Convergence characteristics of algorithms like BPA, Fuzzy and GA
- Randomness in the final output.
- Applications of above techniques to problems like ATC calculations etc.,

The **objectives** of the program are:

- Application of BPA, Fuzzy Logic and GA to power system problems.
- Issues like Capacitor placement, DG placement, Load flows and Economic Load Dispatch solved using Soft computing techniques.

Outcomes of the programme:

- Gained knowledge on various Soft Computing Techniques
- Designing and usage of better soft computing techniques for power system issues.

  
Head of the Department  
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ELECTRICAL & ELECTRONICS ENGINEERING  
Vaagdevi College of Engineering,  
Bollikunta, Warangal (U) T.S. 506005