



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

**A One week FDP on Applications of Artificial Intelligent Techniques to Power System and Power Electronics Issues**

Electrical & Electronics Engineering Department has organized a one week FDP on “**Applications of Artificial Intelligent Techniques to Power System and Power Electronics Issues**” dated 15-5-2017 to 20-5-2017 by Dr. K Prakash and Mrs. U Ushasree for Faculty of the college and other AICTE approved colleges. Dr. M Sydulu has given a lecture series and demonstration on various Artificial Intelligent 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: 43

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 Artificial Intelligent Techniques.
- Convergence characteristics of algorithms like BPA, Fuzzy and GA
- Randomness in the final output.
- Applications of above techniques to problems like ATC calculations, Converter Control etc.,

The **objectives** of the program are:

- Application of BPA, Fuzzy Logic and GA to power system and Power Electronic problems.
- Issues like Capacitor placement, DG placement, Load flows and Economic Load Dispatch, Closed loop control of Multi Level inverters solved using Artificial Intelligent Techniques.

Outcomes of the programme:

- Gained knowledge on various Artificial Intelligent Techniques
- Designing and usage of better Artificial Intelligent Techniques for power system and power electronics issues.

  
Head of the Department  
*Head of the Department*  
ELECTRICAL & ELECTRONICS ENGINEERING  
Vaagdevi College of Engineering,