

KINGS COLLEGE OF ENGINEERING

IEEE STUDENTS BRANCH STB 16621

IEEE Student Branch and **R&D section**, organized a one day workshop on “**Soft Computing**” on 28th January, 2017 technically sponsored by **Computational Intelligence Society, Madras Section**. **Dr. J. Arputha Vijaya Selvi**, Dean (R&D) welcomed the gathering. **Mr. T. Pasupathi**, Asst. Professor, ECE - R&D introduced the resource persons to the gathering. **Dr. S. Durairaj**, Principal presided over the function. **Dr. S. Sivakumar**, Vice Principal, delivered the Inaugural address. In his address, he stressed the importance of soft computing and solutions to engineering problems. **Dr. S. Sivakumar**, Vice Principal, Kings College of Engineering delivered a lecture on “**Genetic Algorithm and its Applications**”. In his lecture, he briefed about the Holland’s original Genetic Algorithm, Traditional algorithms, multiple optimal solution, basic components of genetic algorithm and its representation and flow of genetic algorithm. Also he demonstrated the concept of genetic algorithm with case studies. Ms. E. Suganya, AP/ECE-R&D, introduced Dr. R. Amirtharajan, Associate Professor, School of Electrical and Electronics Engineering, SASTRA University, Thanjavur, to the participants. **Dr. R. Amirtharajan**, delivered a lecture on “**Soft Computing Techniques for Information Security**”. In his lecture, he stressed the importance of transferring the information securely. Also he briefed on the motivation and specific aims in information security. At the end of his lecture, he briefed with an example of transferring an image file securely over the network using soft computing techniques. Ms. E. Suganya, AP/ECE-R&D, introduced Mrs. N. Hemavathi, AP/EEE to the participants. **Mrs. N. Hemavathi**, delivered a lecture on “**Fuzzy Logic & its Applications**”. In her lecture, she briefed about the basic ideas of fuzzy sets, difference between crisp and fuzzy sets, process involved in fuzzy logic controller, examples for fuzzy logic based applications. In addition, she gave a demonstration on Fuzzy Logic using MATLAB. Participants shared their feedback about the workshop. Certificates were distributed to the participants. 16 delegates from other institutions and 29 internal participants attended the workshop. Mr. J. Niranjana Samuel, JRF-R&D, proposed the vote of thanks. The workshop was concluded with National Anthem.



Reported by

Dr. J. Arputha Vijaya Selvi,

SBC & Dean,

Kings College of Engineering,

Punalkulam, Pudukkottai

Member ID: 90234387

vijayas_02@yahoo.co.in