



ADHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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REPORT OF ONE DAY WORKSHOP ON “DESIGN OF EXPERIMENTS AND INTELLIGENT DECISION MAKING TOOLS”

Date: AUGUST 4th , 2017

Venue: DR.RADHAKRISHNAN CONFERENCE HALL,

Organizer: DR. D.PALANISAMY

Attending students: Mechanical 2nd , 3rd ,4th Year.

Department of Mechanical Engineering, ADHI college of Engineering and Technology Organized one day workshop on “**Design Of Experiments And Intelligent Decision Making Tools**” on 04.08.17 (Friday) in Dr.Radhakrishnan Conference Hall and it was started at 10.30 am. The Chief guest and speaker of the session was Dr.N.Manikandan Ph.D, Associate Professor, Sree Vidyanikethan Engineering college, Tirupathi. Design of Experiments (DOE) is a methodology that can be effective for general problem-solving, as well as for improving or optimizing product design and manufacturing processes. Specific applications of DOE include identifying proper design dimensions and tolerances, achieving robust designs, generating predictive math models that describe physical system behavior, and determining ideal manufacturing settings. This seminar utilizes hands-on activities to help the students to learn the criteria for running a DOE, the requirements and pre-work necessary prior to DOE execution, and how to select the appropriate designed experiment type to run.

ABOUT THE WORKSHOP

This workshop offered the participants, an ample understanding of experimental planning, conducting the experiments for data acquisition and analysis of data which are much helpful to obtain better conclusions. This program has been planned for satisfying the basic requirements of the research beginners to carry out their research. The lecture included basic principles of Taguchi’s Design of Experiment (DOE), S/N ratio analysis, multi-objective optimization and use of artificial intelligent decision making tools for making better decisions.



Dr. D. Arulkirubakaran and **Dr.D. Palanisamy** delivered the welcome speech



Dr. S. Harikrishnan, HOD of Mechanical department welcoming the chief guest.



Chief guest ,Dr.N.Manikandan while delivering his lecture in the workshop