

Objectives and Course Content of Short Term Courses

O. Plan No.	ICT-35
Name of Course	Artificial Intelligence and Optimization (Through ICT)
Objectives	<p>This training programme is specially designed for Engineering College and polytechnic teachers and will mainly deal with Artificial Intelligence and Optimization Programming using MATLAB and its various toolboxes. The course aims to:</p> <ul style="list-style-type: none"> - Update the knowledge in the emerging and upcoming topics in the subject area. - Make the teachers conversant with the Artificial Intelligence and Optimization using MATLAB software, its toolboxes and its interface with hardware using dSpace.
Course Contents	<p>The programme will be designed around the following major topics.</p> <ul style="list-style-type: none"> - MATLAB and SIMULINK Programming - Fuzzy Logic Neural Network and ANFIS Toolboxes - GA, PSO and other optimization algorithm - Ardunio and dSpace interface with MATLAB/SIMULINIK
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