

### Objectives and Course Content of Short Term Courses

<b>O. Plan No.</b>	EE-15
<b>Name of Course</b>	Bio-inspired Optimization Techniques
<b>Objectives</b>	<p>This training programme is specially designed for Engineering College and polytechnic teachers and will mainly deal with Artificial Intelligence and Optimization Techniques. The course aims to:</p> <ul style="list-style-type: none"> <li>-Update the knowledge in the emerging and upcoming topics in the subject area.</li> <li>-Make the teachers conversant with the Artificial Intelligence and different bio-inspired Optimization Techniques.</li> </ul>
<b>Course Contents</b>	<p>The programme will be designed around the following major topics.</p> <ul style="list-style-type: none"> <li>-Soft Computing Techniques</li> <li>-Bio inspired Optimization Techniques such as GA, PSO, BFO, ACO, CSA etc.</li> <li>-MATLAB and SIMULINK Programming</li> <li>-Fuzzy Logic, Neural Network, ANFIS and GA Toolboxes</li> <li>-Arduinio and dSpace interface with MATLAB/SIMULINIK</li> </ul>
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