**Knowledge Network of
Indian Institute of Technology, Gandhinagar**
Under TEQIP-II Initiative (MHRD, Govt. of Gujarat)

Computational Methods in Engineering using MATLAB

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Date: **21/03/2014 and 22/03/2014**

Time: 9:00 AM reporting time on 21/03/2014

Venue: L-block, IIT Gandhinagar

Target group: Faculty members

Register At: www.iitgn.ac.in/kn

Dead line: 17/03/2014

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At various stages in engineering study, one comes across mathematical problems of engineering applications irrespective of the engineering discipline. A simple computational tool such as MATLAB can be quite handy to solve such mathematical problems, provided we can formulate the problems appropriately.

This workshop will include a session on the introduction of MATLAB by writing very simple programs for performing basic computations such as matrix operations. Also, couple of sessions will be conducted for the use of MATLAB to demonstrate its applications to specific topics such as statistical analysis, differential equations and curve fitting. This workshop aims to provide hands-on experience of MATLA; no prior programming experience is required.