NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR
JAMSHEDPUR (JHARKHAND) – 831014
(An Institution of National Importance under MHRD, Govt. of India, NEW Delhi)
Department of Mechanical Engineering

Date: 02/01/2020

NOTICE

This is for your kind information that **FEAST software developed by VSSC, ISRO** purchased under TEQIP-III, has been installed in **Computer Centre (Room no: 109, Engineering Graphics & CAD Lab, Department of Mechanical Engineering)** on **Dated 01/01/2020.**

There is a 6-days hands-on training scheduled on "Finite Element Analysis of Structures – Substructured and Multi-Threaded (FEAST ^{SMT})" software package **from 03/01/2020 to 08/01/2020** for the Institute faculty members, Research Scholars, M.Tech Students and B.Tech (Hons.) Students in the **Computer Centre, Room No: 109 (Engineering Graphics & CAD Lab, Department of Mechanical Engineering).** The schedule of the training programme is as follows:

Date	Timings	Venue
03/01/2020	5:00 PM-8:00 PM	Computer Centre, Room No: 109 (Engineering Graphics & CAD Lab, DME)
04/01/2020	9:00 AM-5:00 PM	
05/01/2020	9:00 AM-5:00 PM	
06/01/2020	5:00 PM-8:00 PM	
07/01/2020	5:00 PM-8:00 PM	
08/01/2020	5:00 PM-8:00 PM	

Note: FEAST (Finite Element Analysis of Structures) is the structural and heat transfer analysis software based on finite element method realized by Vikram Sarabhai Space Centre / Indian Space Research Organization. It is supported by state-of-the-art pre/post processor - PreWin. Sub-structured and multi-threaded implementation of the solver ensures high performance by exploiting multi-core architecture of modern computing platforms.

The latest version of FEAST caters to linear and nonlinear analysis capabilities. This is packaged in modular form for academic and commercial usage. It is capable of handling following analyses with metallic and composite material models. Linear static Free-vibration Buckling, Visco-elasticity, Thermo-elasticity, Heat transfer, Contact analysis, Transient response, Frequency response, Random response Shock response / spectra, Fluid-structure interaction, Base excitation and Electrostatic analysis.

02/01/2020

Head of the Department
Department of Mechanical Engineering