

About the college

Vidya Academy of Science & Technology (VAST) is a state-of-the-art engineering college conforming to the highest academic standards. This model engineering college is approved by AICTE vide approval NO./06/KER/ENGG/2002/91 dated 12/05/03 and affiliated to APJ Abdul Kalam Technological University and the University of Calicut. In few years VAST has evolved and achieved recognition as a notable school of engineering with its competent and committed faculty, high-quality infrastructure, and high technology teaching aids, and by providing a serene atmosphere that complements academic life. VAST has a holistic approach to education where academic training goes hand in hand with offerings that develop the body, mind, and soul to prepare its graduates to be future leaders.

Department of Mechanical Engineering

Since its inception in the year 2003, the Mechanical Engineering department started functioning, initially with 60 students and now with two batches with the intake of 120 seats. The department bagged two prestigious projects from ISRO and SERB. There is a Bosch automotive laboratory with M/s Bosch certified courses, eminent faculty: both regular and adjunct.

For more details, visit

http://vidyaacademy.ac.in/department_details.php?dep_id=5

Department of Applied Sciences

The Department of Applied Sciences, VAST, encompasses the disciplines of Physics, Chemistry and Mathematics has established a

strong academic ambiance in the college. Mathematics is an inevitable ancillary subject for any branch of technical studies, without which the foundation of engineering education would be built on shifting sands. Physics and chemistry are of equal importance to technical education as mathematics. The Centre for Studies in Discrete Mathematics (CSDM) is an initiative of the department that encourages quality research in discrete mathematics and allied areas, in collaboration with other reputed institutions and centers of excellence. The center works closely with people associated with teaching and research in related disciplines like computer science and electronics engineering

https://vidyaacademy.ac.in/department_details.php?dep_id=8

Resource Persons

The STTP course content will be delivered by subject experts from prestigious academic institutions. Eminent faculty from research institutes and organizations, IIT's, NIT's and Industry experts will provide theoretical and practical insights about the topics.

Who Should Attend?

The teaching faculty from any domain who loves mathematics and enthusiastic in advancement in engineering & technology. Scholars registered in a masters or a Ph.D. program, interested personnel from industry can also participate. The maximum number of participants per batch is limited to 40.

How to Apply.

If you wish to attend this workshop, you should register online. The applicants can register with the following links for the four phases. Selection will be on a first-come, first-serve basis.

The last date of online registration 09/11/2020

Intimation of confirmation on **10/11/2020**

BATCHES

Batch 0I: 16.11.2020 to 21.11.2020 ([Register here](#))

Batch II: 23.11.2020 to 28.11.2020 ([Register here](#))

Batch III: 14.12.2020 to 19.12.2020 ([Register here](#))

Batch IV: 21.12.2020 to 28.12.2020 ([Register here](#))

Participants are invited to register for any one of the above batches, as per their convenience.

Registration is Free

The selection of the participants will be intimated through e-mail. The Session link will be shared with the selected candidates.



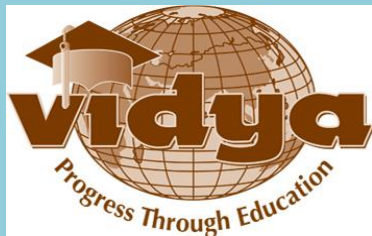
**AICTE Sponsored online Short Term
Training Program (STTP) on**

SOFTWARE PACKAGES FOR MATHEMATICS IN ENGINEERING

Organized by

**Department of Mechanical Engineering
& Department of Applied Sciences
(VAST)**

**16th November to 28th December 2020
(4 Batches, One-week duration per batch)**



[Visit Vidya Academy of Science & Technology
Website](http://www.vidyaacademy.ac.in)

Workshop Coordinators

Dr. N Ramachandran, HoD, ME

Dr. Jiby Jose K, HoD, DoAS

**Vidya Academy of Science & Technology
Thalakkottukara - 680501**

Mathematical techniques provide a scientific base for engineering and the knowledge about a good mathematical tool is highly desirable for budding and practicing engineers. Software packages for mathematics improve the understanding of concepts with visualizations and explanations. The traditional teaching methodologies are limited to solve problems manually involving, for example, vectors in a three-dimensional space, matrices of order three by three, and third-degree ordinary differential equations. Ultimately software packages provide, the solution to problems of higher dimension, helps in geometrical interpretation, and also efficient programs reduce time complexity. Incorporating these software packages for problem-solving techniques significantly supports the existing teaching methodologies. The National Educational Policies are also promoting technological developments and the use of these packages in technical education. There is a wide range of mathematical software available worldwide of which some are open to all. Maxima, Maple, Mathematica, MATLAB, Mathcad, Sage math, derive, etc. are a few among these. These packages help in solving simple to advance problems representing the mathematical models of various real-life related not limited to engineering problems. Awareness of these packages to our teaching community, students, research scholars, and industrialists can be made by organizing training programs and this short-term training program is one of its kind.

Whom to contact

Dr. Sooraj K Prabha.

Mob: 9495687901

Email: sooraj.kp@vidyaacademy.ac.in

Dr. Rakesh Hari

Mob: 984644261

Email: rakesh.h@vidyaacademy.ac.in

Programme Monitoring Committee

Dr. Saji C.B, Principal

Dr. Sudha Balagopalan, Dean Academics

Dr. V.N Krishnachandran, Vice Principal, MCA

Dr. C. Justine Jose HoD, CED

Dr. Ramani Bai V, HoD, CSDE

Dr. S Swapna Kumar, HoD, ECED

Dr. Mary P Varghese, HoD, EED

Dr. Dileep K, HoD, PE

E-certificate will be issued to participants who have attended the registered batch with a minimum 90% attendance and scored a minimum of 60% marks in the online test which will be conducted at the end of the respective batch.





Vidya Academy of Science & Technology

A unit of Vidya International Charitable Trust

Affiliated to APJ Abdul Kalam Technological University & University of Calicut

Approved by AICTE | ISO 9001 : 2008



AICTE Sponsored online Short Term Training Program (STTP)

on

"SOFTWARE PACKAGES FOR MATHEMATICS IN ENGINEERING"

Organized by

Department of Mechanical Engineering & Department of Applied Sciences



"Statistical Data Analysis
with IBM SPSS Statistics"

16-11-2020, 09.30 AM to 04.30 PM

"Applied Regression Modelling
using GRETL"

17-11-2020, 02.00 PM to 04.30 PM

Prof. Rajesh P
Dept. of Economics, GEC
Thrissur



"MAXIMA"

17-11-2020

09.30 AM to 12.00 NOON

Dr V.N. Krishnachandran,
HOD, Dept. of MCA, VAST.



"Jamovi, which runs on
R software"

18-11-2020,

09.30 AM to 04.30 PM

Dr. Sreejith S.S
SOMS, NIT Calicut



"CFD with
ANSYS-FLUENT
(Software)"

19-11-2020, 09.30 AM to 12.00
NOON

Dr Arun K Raj, PDF
IIT Bombay



"PYTHON"

19-11-2020

02.00 PM to 04.30 PM

Dr Smita S Nagouda
Dept of Maths, Christ University



"FEM Design,
Ansys Abaqus"

20-11-2020,

09.30 AM to 04.30 PM

Dr Vineesh K P,
MED, NIT Calicut



"About AMPL optimization
software and general
instructions"

21-11-2020

09.30 AM to 12.00 NOON

Dr. Anoop K P, PDF
IIT Bombay