



VISION

Excel in mechanical engineering education and research for overall sustainable development.

MISSION

Impart quality education to nurture globally competent and socially responsible mechanical engineers.

Foster research to address the technological needs that society faces.

ORGANIZING COMMITTEE

Chief Patron

Prof. (Dr.) R. Sasikumar
(Director, CAPE)

Patron

Prof. (Dr.) Z. A. Zoya
(Principal,
College of Engineering
Perumon)

Convenor

Prof. (Dr.) Dileepal J.
(HoD - ME)

Coordinators

Prof. Shamnad M.
(Assistant Professor in ME)
Mob: 9495805914

Prof. Sony R.
(Assistant Professor in ME)
Mob: 9447865695

HOW TO APPLY

The candidates can register their names through the following link on or before 05/02/2021.

<https://forms.gle/dVdhLe781jNTWgEK8>

ONLINE FACULTY DEVELOPMENT PROGRAMME ON SOFT COMPUTING TECHNIQUES (Sponsored by TEQIP II)



February 08 - 13, 2021



Organized by

Department of Mechanical Engineering
College of Engineering Perumon
(Under CAPE, Government of Kerala)
Perinad P. O., Kollam, Kerala - 691601

ABOUT THE INSTITUTE

College of Engineering Perumon was established in the year 2000 under the Co-operative Academy of Professional Education (CAPE), Govt. of Kerala. The college has registered speedy progress since then and it offers 4 undergraduate programmes (ME, EEE, ECE, and CSE) and a postgraduate programme (CSE) in affiliation with APJ Abdul Kalam Technological University (KTU). The college has attained ISO 9001:2015 certification and two undergraduate programmes (EEE and ECE) got accredited by NBA. The college has a distinctive academic stature in the arena of engineering institutions in the state.

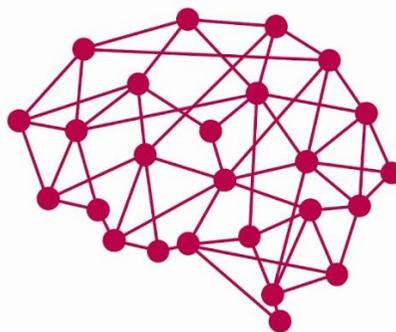
ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2011 offering B.Tech programme in Mechanical Engineering. With a right blend of theory and practice, this programme has well laid itself as a prominent option for students. The department has a team of well qualified and experienced faculty in all streams of mechanical engineering who always stride for imparting quality education. State-of-the-art laboratories in the department help to mould engineering graduates as per the curriculum requirements. The department is continuously striving to achieve

excellence in mechanical engineering education and research with service to the society.

ABOUT THE PROGRAMME

Soft computing, as opposed to traditional computing, deals with approximate models and gives solutions to complex real-life problems. Unlike hard computing, soft computing is tolerant of imprecision, uncertainty, partial truth, and approximations. Soft computing is based on techniques such as fuzzy logic, artificial neural networks, genetic algorithm, particle swarm optimization, artificial bee colony algorithm, machine learning etc. The techniques of soft computing are nowadays being used successfully in many domestic, commercial, and industrial applications. It has become important for the educators and practicing engineers, to continuously update their knowledge and skills in soft computing techniques.

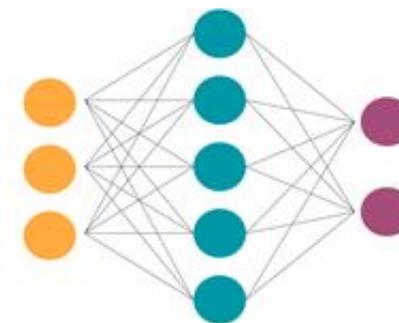


This FDP will give an opportunity to listen to the experts in this field and

also to discuss basics and advanced concepts of soft computing techniques and will explore new directions in their applications to engineering.

TOPICS

- Introduction to soft computing
- Fuzzy logic
- Artificial neural networks
- Metaheuristic algorithms
- Evolutionary algorithms
- Machine learning



RESOURCE PERSONS

Faculty will be drawn from reputed educational institutions.

INTENDED AUDIENCE

This course is intended for faculty members from engineering and polytechnic colleges in all disciplines and practicing engineers from industries and R&D institutions.

REGISTRATION FEE

No registration fee will be charged from participants.