



For further queries

FDP mail: fdp@jecc.ac.in

College address:

Jyothi Engineering College
Jyothi Hills, Vettikkattiri P.O.,
Cheruthuruthy, Thrissur
Pin - 679531

Ph: +91 - 4884 - 259000

Fax: 04884-274777

E mail: info@jecc.ac.in

Website: www.jecc.ac.in

Who can apply:

- (a) Industry Professionals,
- (b) Faculty Members,
- (c) Research Scholars

Resource Persons

Rev. Fr. Dr. Jaison Paul Mulerikkal *Principal, JECC*
Experts from CDAC, Pune

CHIEF PATRON

His Grace Mar Andrews Thazath,
Arch Bishop of Archdiocese of Thrissur

PATRONS

Msgr. Thomas Kakkassery,
Manager, JECC

Rev. Fr. Roy Joseph Vadakkan,
Asst. Manager (A & A), JECC

Rev. Fr. Joju Chiriyankandath,
Asst. Manager (F), JECC

ADVISORY COMMITTEE

Rev. Fr. Dr. Jaison Paul Mulerikkal,
Principal, JECC

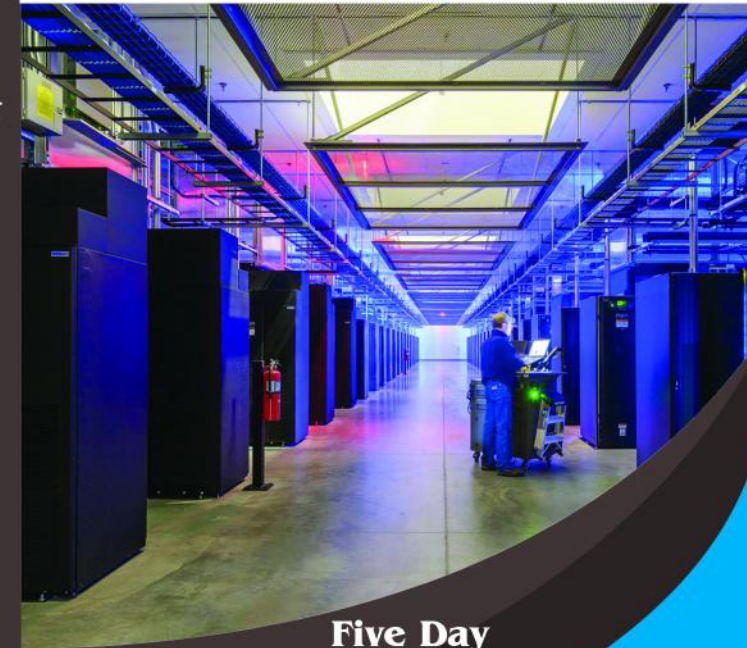
Er. Thomas Mathew,
Administrator, JECC

Er. Bobby Peter,
Asst. Administrator, JECC

CONVENORS

Dr. C K Raju
Head (Dept. of CSE)
Ph. : 9400191532
Email: ckraju@jecc.ac.in

Mr. Thomas George
Asst. Prof. (Dept. of CSE)
Ph. : 9447239077
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Five Day
National Workshop on

**HIGH
PERFORMANCE
COMPUTING**

7th to 11th
May 2018

सी डैक
CDAC

Organised by
C-DAC, Pune &

Jyothi Engineering College



Registration Fee : ₹ 2000/-
Research Scholars : ₹ 1500/-

Accommodation will be provided
with nominal rates

To participate in the workshop,
please register your particulars at
<http://www.jecc.ac.in/hpc>

Last Date (Registration) : 30th Apr 2018



ABOUT THE COLLEGE

Jyothi Engineering College (under Thrissur Educational Trust founded by the Catholic Archdiocese of Thrissur) started functioning at Cheruthuruthy in the year 2002. The campus is spread over an area of 30 acres at Jyothi Hills and is very close to Kerala Kalamandalam, Cheruthuruthy. Jyothi Engineering College is affiliated to A P J Abdul Kalam Technological University. The college is accredited by NAAC. The undergraduate B.Tech programmes of Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering have been accredited by NBA. With a team of dedicated faculty, a set of devoted staff, comparable infrastructural and instructional facilities set against a serene and intellectually stimulating academic environment, Jyothi Engineering College, Cheruthuruthy has emerged as a model among self-financing colleges in Kerala.

Programmes @ Jyothi

- | | |
|-----------------------------------------|-----------------------------------------------|
| B.Tech | M.Tech |
| Civil Engineering | Power Electronics |
| Computer Science & Engineering | Computer Science & Engineering |
| Electronics & Communication Engineering | Transportation Engineering |
| Electrical & Electronics Engineering | Communication Engineering & Signal Processing |
| Mechanical Engineering | Industrial automation & Robotics* |
| Mechatronics | *Approval awaited |

Vision

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

Mission

- To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of-the-art facilities.
- To equip the students with appropriate skills for a meaningful career in the global scenario.
- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

ABOUT CDAC

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. C-DAC has today emerged as a premier R&D organization in IT&E (Information Technologies and Electronics) in the country working on strengthening national technological capabilities in the context of global developments in the field and responding to change in the market need in selected foundation areas

Contents

- Introduction to workshop
 - Overview of HPC
 - Insight into HPC systems
 - Shared memory parallelism with OpenMP
 - Hands-on with OpenMP (Linux and C)
 - Parallel Approaches
 - Distributed memory parallelism with MPI
 - MPI collective communication
 - Hands-on with MPI (Linux and C)
 - Introduction to GPGPU computing and CUDA
 - Supercomputing demo on PARAM-Shavak
 - Optimization of serial codes
 - Hands on session with CUDA
 - Case-study: Efficient Parallelization of Matrix-Matrix multiplication
 - Profiling of serial codes
 - Hands on session with hybrid programming MPI, OpenMP, CUDA
 - HPC Application installation demo
 - Cluster Resource Manager and Job Scheduler
 - Case-study: Image Processing
- Note: Hands on sessions would be on high performance supercomputing boxes of PARAM Shavak (developed by C-DAC) and Sunya Labs (Rajagiri School of Engineering and Technology)*



Jyothi Engineering College

Approved by AICTE & Affiliated to API Abdul Kalam Technological University
A CENTRE OF EXCELLENCE IN SCIENCE & TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR
JYOTHI HILLS, VETTIKATTURI P.O., CHERUTHURUTHY, THRISSUR PIN-679531 PH: +91-4884-259000, 274423 FAX: 04884-274777
NBA Accredited B. Tech Programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering valid for Academic Years 2016-2017 to 2018-2019
www.jecc.ac.in | E-mail: info@jecc.ac.in

REGISTRATION FORM

Name :
 Designation :
 Department :
 Name & Address:
 of the Institution
 email-id :
 Mobile Number :
 Highest Qualification :
 Total Experience : Years & Months
 Accomodation Required : Yes / No

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake responsibility to inform the coordinator in case I'm unable to attend this course.

Place :
 Date : Name & Signature of Applicant

SPONSORSHIP

Certified that Mr./Ms.

 is a member of Faculty / PG Student in our institution,

 and the information stated by him/her have been found correct. He/she is also sponsored and permitted for attending the STTP.

Place : Name & Signature
 Date : College Seal (Head of the Institution)