



## Two Day Workshop (Hands-on Session)

ON  
High Performance Computing with OpenMP  
22<sup>nd</sup>-23<sup>rd</sup> November, 2019



Organized  
By

Center for Virtualization and Cloud Computing  
Department of Computer Science & Engineering

**VARDHAMAN COLLEGE OF ENGINEERING**  
(Autonomous)

Shamshabad-501 218, Hyderabad

In association with  
IEEE Vardhaman Student Branch



## ABOUT THE WORKSHOP

The workshop would enable participants to learn about the complex problem solving using the high performance computing (HPC). This workshop provides the hands-on-experience covering the topics pertaining to parallel random machine architecture, role of operating systems, linux thread along with Open Multiprocessor (OpenMP) programming interface, etc.

HPC is a brain child of many researchers, used for solving advanced problems and performing research activities through computer modeling, simulation and analysis. HPC systems have the ability to deliver sustained performance through the concurrent use of computing resources. One can achieve different forms of High Performance Computing starting from threading, multiprogramming, multiprocessing, GPU computing and many more.

Introduction to HPC and OS, Architecture of PRAM, Advanced C in LINUX, LINUX programming (multithreading and multiprocessing), Overview of OpenMP, LINUX IPC, Parallel Algorithms implementations using OpenMP.

## TARGET AUDIENCE

The Workshop is designed for all Ph.D. Scholars, PG/UG students, and the faculty of CSE/IT. Students/Faculty of other branches having a generous interest towards programming are also welcome.

## REGISTRATION FEE

Academicians/ Faculty/Student –INR 200

(NO Registration fee for Vardhaman Faculty)

## REGISTRATION LINK

<https://forms.gle/G1WYk7wZQIcMTBhr7>

Participants should have knowledge of at least one programming language (C/C++ preferred).

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(Hands-on Session)  
On  
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## Registration Form

1. Name :
2. Designation :
3. Department :
4. Qualifications :
5. Teaching Experience :
6. Name of the Institution :
7. Mobile No :
8. E-mail ID :
9. IEEE Member ID :

Signature of the Applicant

### Sponsorship by the Head of the Institution

This is to certify that Mr. /Ms \_\_\_\_\_  
of \_\_\_\_\_ is sponsored to Participate  
in the Two-day workshop on “**High Performance  
Computing with OpenMP**” during 22<sup>nd</sup>-23<sup>rd</sup> November,  
2019 at Vardhaman college of Engineering, Kacharam,  
Hyderabad.

Signature of Principal

## CHIEF PATRONS

1. Dr. T.Vijender Reddy (Chairman)
2. Sri. T. Uppender Reddy (Secretary)
3. Sri. M.Rajasekhar Reddy (Vice Chairman)
4. Sri. E.Prabakar Reddy (Treasurer)
5. Sri. Mallikarjuna Babu (CEO)

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1. Mr. T.Vidyasagar, Chairman, IEEE CS Hyd-Section
2. Dr. M A Jabbar, Vice Chairman, IEEE CS Hyd-Section
3. Dr. A Rajanikanth, Secretary, IEEE CS Hyd-Section

## CONVENOR

- Dr. Ashu A

## CO-ORDINATOR

- Ms. Uma Maheswari

## RESOURCE PERSON

1. Prof. Anisur Rehman (NIST, Berhampur)  
(Ph.D), M.Tech-CSE, ISI Kolkata
2. Dr. A. Rajanikanth  
Prof. and HOD-CSE,  
Vardhaman College of Engineering, Hyderabad

## ORGANIZATION COMMITTEE

Faculty members and students of Centre for  
Virtualization and Cloud Computing.

## ADDRESS FOR COMMUNICATION



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## ROUTE MAP

