

One day workshop on "Advanced Parallel processing '

Organized by

Department of Information Technology and Computer Science and Engineering

Walchand College of Engineering Sangli

About WCE, Sangli

Walchand College of Engineering (WCE) is situated midway of Sangli Miraj road. In 1947, the college made a modest beginning as New Engineering College. In the year 1955, the College was renamed as Walchand College of Engineering as part of the arrangements and pursuant to the rehabilitation and development program, mainly funded by Seth Walchand Hirachand Memorial Trust (WHMT) and the Government. The College became autonomous institute during the year 2007. The college has total intake of 430 UG students for six branches and 240 PG students for ten branches. As a part of strategic planning, research and development activities are being further strengthened. The college has been recognized for running Ph.D programme under Quality Improvement Program (QIP) scheme by AICTE.

About CSE and IT Departments

The CSE department has been established in the year 1986 with the introduction of undergraduate programme in Computer Science and Engineering. Later on, the IT department has been started in the year 2001. These programmes focus on areas such as Theoretical Computer Science, Database Engineering, Software Engineering, Operating Systems and Computer Networking, Internet of Things. Course contents of these programmes are up-to-date and are in-line with the current trends of the Computer and IT Industry. These programmes attract meritorious students every year at the entry level for both UC and PC level.



visit us at http://www.rsc.wce.ac.in

On 17th February 2018

Under Activity of TEQIP-III

Experts from Industry & Academia

Mr. Dwijay Bane Mr. Bhavin R. Darji

(Edutech Learning Solutions Pvt. Ltd.)

Brief Agenda

- 1. GPU Concepts and Applications
- What is GPGPU? (General Purpose GPU)
- What is CUDA?
- What is OpenGL/GLES?
- What is OpenCV?
- What is OpenVX?
- OpenCV vs OpenVX
- Nsight Studio IDE
- Graphics Debugger IDE
- 2. Hands-on activity
- GPU Embedded board setup with Host setup
- * Ethernet connection
- CUDA Examples
- * Process of Creating and debugging using Nsight studio
- * examples using matrix multiplication/Device Query etc
- * examples for Graphics Category (particles/smoke/nbody/etc)
- * examples for Library section to show use of Cuda Libraries (cuDNN, cuBLAS, cuFFT, etc)
- Graphics Rendering Examples using OpenGL
- * use of Graphics Debugger to work with OpenGL

- Image/Video Processing using OpenCV
- * Camera examples
- * Image/Video example
- Image/Video Processing using OpenVX
- * VisionWorks examples
- * Camera examples
- Deep Learning Inference Examples
- * Basic Image Classification
- * Object Detection using Bounding Box (FCN- Fully Convolution Neural Net)
- * Image segmentation (Semantic Segmentation)
- * If possible live inference using Camera of any example

Registration Fee:

Free Entries for participants in WCE, Sangli & JEC, Jabalpur;
Others: Rs.300/-

Registration Link:

https://goo.gl/forms/C8LmZKzEDb61e1Fl1

Patron Dr. G. V. Parishwad Direcor, WCE sangli

ORGANIFAING COMMITTEE Dr. D. B. KULKARNI Dr. Mrs. S. P. Sonawane DR. B. F. MOMIN Associate Professor in CSE Associate Professor in IT and I/C Head IT Department and I/C Head CSE Dept. Prof. Ms. M. A. Shah Prof. U. B. Chavan Assistant Professor, CSE Assistant Professor, Department IT Department Prof. Yogendra Sharma Prof. V. H. Honmane CSE Department IT Department

Prof. U. B. Chavan Assistant Professor, Dept. of IT, WCE Sangli, Vishrambagh PO, Sangli-416415

CONTACT

e-mail: umesh.chavan@walchandsangli.ac.in

Point of Contact
Prof. V. H. Honmane: +91 832 949 0361
e-mail: vikas.honmane@walchandsangli.ac.in