

DATE: 17/03/2021

Event Coordinator(s)

1. **Prof. Beatrice S.**
2. **Prof. Ziany Alpholicy X.**

Student Coordinator(s)

1. **Mandar Bagwe**
2. **Yeshwin Anil**

**Time& Place: 11:00am to
1:00pm, Google Meet**

**Department: Computer
Engineering**

No of participants: 71

Guest Lecture on Parallel Programming with OpenMP

The resource person Dr. N. Narayanan Prasanth is currently working as an Associate Professor in the Department of Database Systems in Vellore Institute of Technology. He has obtained his B.Tech.(IT) from Pondicherry University in May 2005, M.E.(CSE) from Anna University in May 2009 and Doctorate from Manonmaniam Sundaranar University in August 2017. He has published various papers in international journals and conferences. He has organized and conducted many workshops, FDPs and STTPs.


The targeted audience were Final Year Computer Engineering Students, the guest lecture was organized with respect to their core subject Distributed Computing. The topic "Parallel Programming with OpenMP" was chosen as advanced topic to bridge the gap between the syllabus and curriculum.

This event was planned in the beginning of the semester (January 2021) and planned to be held in an online platform. Our HoD, Dr. Saurabh Patil, Prof. Beatrice S., all faculties and Final Year Students from Computer Engineering Department were involved in conducting the event with great success.

Student Feedback and Benefits:

Students found the session very useful and informative.


Prof. Ziany Alpholicy X
Lecturer


Prof. Beatrice S
Activity Coordinator


Dr. Saurabh Patil
HOD

Images (if Any)

This screenshot shows a Google Meet window with a presentation slide. The slide title is "Parallel Programming using OpenMP" by N. Narayanan Prasanth, Ph.D., an Associate Professor at the School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, India. The slide is displayed in a Beamer format with a navigation pane on the left. The meeting interface includes a "REC" indicator, a list of participants (Narayanan Prasanth, Rohan Talele, Shane Gonsalves, Darryl Fernandes, Akshita Revula..., Dion Philip, Janil James, Pratik Zinjad, Kartik Kashyap, Savio Simoes), and a "Meeting details" panel on the right showing 54 people in the meeting. The bottom of the window shows the Windows taskbar with the time 11:04 AM on 17-03-2021.

This screenshot shows a Google Meet window with a "Contents" slide. The slide lists the following topics: Why OpenMP?, Introduction to OpenMP, Components of OpenMP, Simple Programs – overcoming race conditions, Worksharing Constructs, Schedule constructs, and Synchronization constructs. The meeting interface is similar to the previous screenshot, showing the same participants and meeting details. The bottom of the window shows the Windows taskbar with the time 11:05 AM on 17-03-2021.

meet.google.com/mms-xmhy-mqd?authuser=0

REC Narayanan Prasanth is presenting

Example 5

```

/* Explicitly declare tid to be private (and numt to be shared) */
#include <omp.h>
#include <stdio.h>

int main( int *argc, char *argv[] )
{
    int numt, tid ;

    /* specify private and shared variables */
    #pragma omp parallel private ( tid ) shared ( numt )
    {
        numt = omp_get_num_threads();
        tid = omp_get_thread_num();

        printf( "Hello World from thread %d of %d.\n", tid, numt );
    }

    return 0 ;
}

```

Hello World from thread 2 of 4.
Hello World from thread 0 of 4.
Hello World from thread 1 of 4.
Hello World from thread 3 of 4.

Prajakta Gaonkar has left the meeting

Meeting details

People (69)

Mute all Add people Host controls

IN CALL

- Ziany Alpholcy X (You)
- Aarati Naikol
- Abdul Hannan Sunsara
- Aditi Bane
- Adrian Menezes
- Agnel Selvan
- Akshita Revulagadda

Meeting controls: Raise hand, Turn on captions, Narayanan Prasanth is presenting

Windows taskbar: Type here to search, 11:53 AM 17-03-2021

meet.google.com/mms-xmhy-mqd?authuser=0

REC Narayanan Prasanth is presenting

Do-for

Section

Single

Meeting details

People (67)

Mute all Add people Host controls

IN CALL

- Ziany Alpholcy X (You)
- Aarati Naikol
- Abdul Hannan Sunsara
- Aditi Bane
- Adrian Menezes
- Agnel Selvan
- Akshita Revulagadda

Meeting controls: Raise hand, Turn on captions, Narayanan Prasanth is presenting

Windows taskbar: Type here to search, 12:40 PM 17-03-2021