

# DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

## Attendance Sheet

Semester: **V**

Faculty:

Date: **11/8/16**

Course:

Signature:

Time:

**INTEL/WIPRO HPC WORKSHOP 2016**

Roll#	NAME	Signature	Roll#	NAME	Signature
1401	FERNANDES SUZANNA		<del>1431</del>	GRACIAS XENIO SIMON	
<del>1402</del>	<del>PARSEKAR VIPUL VILAS</del>	<del></del>	<del>1432</del>	<del>SEQUEIRA TOSWEL ILIDIO</del>	<del></del>
1403	SEQUEIRA CLAYTON DIOGO		<del>1433</del>	<del>WAGLE SATISH MANGUESH</del>	<del></del>
1404	FERNANDES GLENN		<del>1434</del>	<del>BIND AJAYKUMAR RAJNATH</del>	<del></del>
1405	CHANDRAVARKAR TANUSHREE ROHIT		1435	SHAIKH ZAHEEN RAIMAN	
1406	D'SOUZA CARLTON JOSEPH		<del>1436</del>	<del>BASTODKAR TANVI VALLABH</del>	<del></del>
<del>1407</del>	<del>MONSERRATE JEREMY JOEANN</del>	<del></del>	1437	BHARNE ANISH VINAY	
<del>1408</del>	<del>BORKAR DIPLAVI DURGANAND</del>	<del></del>	<del>1438</del>	<del>KORGAONKAR SURAJ SURESH</del>	<del></del>
1409	BHANDARKAR PRITHVIRAJ G		<del>1439</del>	<del>NAIK ABHISHEK ASHOK</del>	<del></del>
1410	KHANDEPARKAR VINAYA VAMAN		1440	KANOLKAR MANOJ MANGALDAS	
1411	DHARMAVARAM LAKSHMI REDDY		<del>1441</del>	<del>TORASKAR SHUBHAM DILIP</del>	<del></del>
1412	GUDI ARCHANA ANAND		<del>1443</del>	<del>NAIK SAMTA RAJENDRA</del>	<del></del>
1413	SAWANT NITESH NAMADEV		1444	HARMALKAR RAHUL RAJENDRA	
1414	NATU SANKET GANESH		<del>1445</del>	<del>NAIK GOUTAM DINANATH</del>	<del></del>
1415	DIAS DYLAN JORDAN		<del>1446</del>	<del>KHAMBI ANMESH ASHOK</del>	<del></del>
1416	RANE SARDESSAI KRISHNARAO		<del>1447</del>	<del>BORKAR PRAJOT EKNATH</del>	<del></del>
1417	SHAH WAZID RAZAK		<del>1448</del>	<del>SHETKAR TANAJI DIWAKAR</del>	<del></del>
1418	RODRIGUES SAMBERT		<del>1449</del>	<del>NAIK SHAILENDRA RATNAKANT</del>	<del></del>
<del>1419</del>	<del>GEHELOT AMIT RAJENDRA</del>	<del></del>	<del>1450</del>	<del>KANULKAR DEEPAJ DIGAMBAR</del>	<del></del>
1420	PEREIRA CHARISTON BENZIL		1451	NAIK DEEPENDRA KRISHNANATH	
1421	DEVALMIKI ANUSHA ASHOK		<del>1452</del>	<del>SHIRODKAR SAHIL DAYANAND</del>	<del></del>
1422	KATHANE ANANT		<del>1453</del>	<del>PEDNEKAR PRIYANKA PRABHAKAR</del>	<del></del>
<del>1423</del>	<del>DALVI MAYUR MANOHAR</del>	<del></del>	<del>1454</del>	<del>MATONKAR BIJAL BHARAT</del>	<del></del>
1424	KINJAVDEKAR VISHAL SHANKAR		1455	COLACO ALIFA JOYCY	
1425	CHIBDE SNEHAL SHIVDAS		<del>1456</del>	<del>GAWDE VISHANT TATU</del>	<del></del>
1426	KAREKAR DIVYANI VIJAY		<del>1457</del>	<del>GAUDE SUPRIYA SHANTARAM</del>	<del></del>
<del>1427</del>	<del>KANEKAR SAURABH AJIT</del>	<del></del>	<del>1458</del>	<del>FIGUEIREDO EVA</del>	<del></del>
1428	FERNANDES JUDE		<del>1459</del>	<del>DHULAPKAR KIRTIRAJ KRISHNA</del>	<del></del>
1429	DHOND SUJAY SANJIV		<del>1460</del>	<del>SHETTI AKSHATA ARUN</del>	<del></del>
<del>1430</del>	<del>BARRETO ALISTER BERNADO</del>	<del></del>			

**RE: Intel / Wipro HPC Workshop 2016.\_GOA**

ajay.kumar45@wipro.com &lt;ajay.kumar45@wipro.com&gt;

Fri, Aug 5, 2016 at 5:41 PM

To: rswagh@gmail.com

Cc: jdp@unigoa.ac.in, rnk@unigoa.ac.in, vvkamat@unigoa.ac.in, ramrao@unigoa.ac.in, baskar@unigoa.ac.in, yma@unigoa.ac.in, ppayaswini@unigoa.ac.in, gaurang@unigoa.ac.in, dcst@unigoa.ac.in


Dear Sir,

Pls. find the below e-invite for registration and request you to kindly circulate it same with internal faculty and students. As we would require if more students or faculty to register.

Speaker will be from Wipro side Mr. Sayak Bhowmick (+91 9148975358) and myself also be there to manage the event. Please find the below registration link.

Do let me know if you required any additional details.

<http://endoend.in/assets/intel/Intel-Workshop-2016/Intel-HPC-Wipro-Goa-11.html>



## HPC Code Modernization (Parallelization) Workshop 2016

[Register now](#)

Dear Sir,

You're invited to get deep insights into cutting-edge programming techniques and tools required to achieve the highest performance on Intel® Architecture using C/C++ or Fortran. Learn from technical experts on how to modernize your code legacy or develop brand-new code in order to maximize software performance on current and future **Intel® Xeon and Xeon Phi™ processors**.

Accelerate your exploration and discovery with Intel® Xeon® processor series-based clusters and deliver:

- Memory that works for you
- Reduced latency
- Breakthrough performance
- Increased flexibility
- Efficient power consumption

### EVENT DETAILS

**Place:** GOA

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**Date:** 11<sup>th</sup> Aug, 2016

**Time:** 09:30am - 05:00pm

**Venue:** Goa University, Taleigao Plateau, Goa 403206

[Register now](#)

**For any further queries, please call us on +91 97310 83481**

**Agenda**

Time	Topic
09:30AM - 09:45AM	Inauguration and Keynote
09:45AM - 09:55AM	Overview of Day
09:55AM - 10:15AM	Need for HPC in domains and its impact in business Growth opportunity areas in HPC
10:15AM - 10:45AM	Pathway from serial computing to parallel computing
10:45AM - 11:00AM	Tea Break
11:00AM - 11:45AM	<b>Parallel Programming: Paradigms</b> - Shared memory programming with OpenMP - Distributed memory programming with MPI - Parallel Libraries
11:45AM - 12:30PM	Demo of Open MP and MPI
12:30PM - 01:30PM	Lunch Break
01:30PM - 02:00PM	Recent trends in supercomputing architectures: Importance of multi-core and many-core computing in supercomputing
02:00PM - 02:45PM	Many-core programming: SIMD and vectorization Demo of Many core SIMD programming
02:45PM - 04:30PM	HPC Software Development Tools: an overview
04.30pm-05.00pm	Xeon Phi/knights landing introduction



Regards,

**Ajay Kumar****Wipro Limited - HPC & Big Data****M +91-9716499206**

Plot # 480-481, Phase-3, Udhyog Vihar, Gurgaon, Haryana-122016

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**From:** Ramrao Wagh [mailto:[rswagh@gmail.com](mailto:rswagh@gmail.com)]

**Sent:** Friday, August 5, 2016 12:05 PM

**To:** Ajay Kumar (India & ME - MFG) <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)>

**Cc:** Jyoti D Pawar <[jdp@unigoa.ac.in](mailto:jdp@unigoa.ac.in)>; Ramdas Karmali <[rnk@unigoa.ac.in](mailto:rnk@unigoa.ac.in)>; Venkatesh Kamat <[vvkamat@unigoa.ac.in](mailto:vvkamat@unigoa.ac.in)>; [ramrao@unigoa.ac.in](mailto:ramrao@unigoa.ac.in); S. Baskar <[baskar@unigoa.ac.in](mailto:baskar@unigoa.ac.in)>; yma <[yma@unigoa.ac.in](mailto:yma@unigoa.ac.in)>; P. Payaswini <[ppayaswini@unigoa.ac.in](mailto:ppayaswini@unigoa.ac.in)>; Gaurang Bane <[gaurang@unigoa.ac.in](mailto:gaurang@unigoa.ac.in)>; dcst <[dcst@unigoa.ac.in](mailto:dcst@unigoa.ac.in)>

**Subject:** Re: Intel / Wipro HPC Workshop 2016.\_GOA

\*\* This mail has been sent from an external source \*\*

Dear Ajay

Thanks. Let us confirm the date and venue. 11th August, 2016.

Yes, the hall can accommodate 60 persons comfortably.

Please share the registration link.

My cell number is 9423882964.

Please use the attached logo for any publicity material.

Please send the publicity material

Thanks

On Fri, Aug 5, 2016 at 11:52 AM, <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)> wrote:

Dear Sir,

Thanks for the confirmation, we are OK with 11<sup>th</sup> August to conduct this workshop ,we will share the e-invite with you shortly for registrations that can be circulated with internal faculty and students.

Alumni and Teachers/ professor from local colleges and industry people also can attend the workshop.

We would require at-least 30 people+ to attend this workshop and required below details as well ASAP, which will help us in planning the workshop in advance.

Date	City	Person of Contact from venue:	Hall Name:	Basic AV support: Projector, screen, mike & Speaker:	Permission for Branding, Poster and photography:
11 <sup>th</sup> August	University of GOA		Required conference room/Hall with minimum capacity of at least 30+ people	Do let us know if this is available	Any permissions required for the above?

Pls. share the details at the earliest and Do let me know if you require any additional details from our end.

Regards,

**Ajay Kumar**



**Wipro Limited - HPC & Big Data**

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**From:** Ramrao Wagh [mailto:[rswagh@gmail.com](mailto:rswagh@gmail.com)]

**Sent:** Thursday, August 4, 2016 6:09 PM

**To:** Ajay Kumar (India & ME - MFG) <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)>

**Cc:** Jyoti D Pawar <[jdp@unigoa.ac.in](mailto:jdp@unigoa.ac.in)>; Ramdas Karmali <[rnk@unigoa.ac.in](mailto:rnk@unigoa.ac.in)>; Venkatesh Kamat <[vvkamat@unigoa.ac.in](mailto:vvkamat@unigoa.ac.in)>; [ramrao@unigoa.ac.in](mailto:ramrao@unigoa.ac.in); S. Baskar

<baskar@unigoa.ac.in>; yma <yma@unigoa.ac.in>; P. Payaswini <ppayaswini@unigoa.ac.in>; Gaurang Bane <gaurang@unigoa.ac.in>; dcst <dcst@unigoa.ac.in>

**Subject:** RE: Intel / Wipro HPC Workshop 2016.\_GOA

\*\* This mail has been sent from an external source \*\*

Dear Ajay

I have discussed with Dr Kamat, our hod who is presently out of town. Can we have this on 9 th august?

If not, 11 th is ok and may be confirmed.

Thanks

On 4 Aug 2016 2:52 p.m., <ajay.kumar45@wipro.com> wrote:

Dear Sir,

We can schedule it on Saturday also i;e 13<sup>th</sup> August if participants are available on Saturday.

Please share the final date confirmation form the below suggested dates so that we could start the planning for the same.

11<sup>th</sup> August & 13<sup>th</sup> August.

Regards,

Ajay Kumar

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**From:** Ramrao Wagh [mailto:rswwagh@gmail.com]

**Sent:** Thursday, August 4, 2016 1:53 PM

**To:** Ajay Kumar (India & ME - MFG) <ajay.kumar45@wipro.com>

**Cc:** Ramdas Karmali <rnk@unigoa.ac.in>; Jyoti D Pawar <jdp@unigoa.ac.in>; Venkatesh Kamat <vvkamat@unigoa.ac.in>

**Subject:** RE: Intel / Wipro HPC Workshop 2016.\_GOA

\*\* This mail has been sent from an external source \*\*

Dear Ajay

Thanks for suggesting 11 th.

Our lab exams are scheduled for some of the students but the batch of final semester mca students of approx 60 will be available.

Let us know what are the requirements to be provided from our side. We can provide class room with lcd.

Is it ok if some of our alumni , teachers from local colleges and industry people also attend?

Let us know if anything else is needed.

I would request Dr Kamat, hod to conform the date as suggested by you.

On 4 Aug 2016 1:45 p.m., <ajay.kumar45@wipro.com> wrote:

Hello Sir,

Hope all well at your end, it would be great if we can schedule the workshop on 11<sup>th</sup> august as we have already planned workshop on 12<sup>th</sup> at Goa and we would like to conduct both the workshops in signal travel.

Look forward to hear from you and do let me know if any concern.

Regards,

**Ajay Kumar**



**Wipro Limited** - HPC & Big Data

**M** +91-9716499206

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**From:** Ajay Kumar (India & ME - MFG)  
**Sent:** Wednesday, August 3, 2016 2:47 PM  
**To:** 'Ramrao Wagh' <[rswagh@gmail.com](mailto:rswagh@gmail.com)>

**Cc:** Jyoti D Pawar <[jdp@unigoa.ac.in](mailto:jdp@unigoa.ac.in)>; Ramdas Karmali <[rnk@unigoa.ac.in](mailto:rnk@unigoa.ac.in)>; [vvkamat@unigoa.ac.in](mailto:vvkamat@unigoa.ac.in)

**Subject:** RE: Intel / Wipro HPC Workshop 2016.\_GOA

Dear Sir,

We are checking the availability with our internal team and get back on this by today eod.

Regards,

Ajay Kumar

Wipro Infotech

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**From:** Ramrao Wagh [<mailto:rswagh@gmail.com>]  
**Sent:** Wednesday, August 3, 2016 2:02 PM

**To:** Ajay Kumar (India & ME - MFG) <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)>

**Cc:** Jyoti D Pawar <[jdp@unigoa.ac.in](mailto:jdp@unigoa.ac.in)>; Ramdas Karmali <[rnk@unigoa.ac.in](mailto:rnk@unigoa.ac.in)>; [vvkamat@unigoa.ac.in](mailto:vvkamat@unigoa.ac.in)

**Subject:** RE: Intel / Wipro HPC Workshop 2016.\_GOA

\*\* This mail has been sent from an external source \*\*

Please plan it on a Friday of any week preferably in this month. We can confirm the date by 8 th Aug.

On 3 Aug 2016 1:57 p.m., <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)> wrote:

Dear Sir,

That would be great.. Please share the probable date ASAP so that we could start planning for the same well in advance.

Thanks,



**Ajay Kumar**

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**From:** Ramrao Wagh [<mailto:rswagh@gmail.com>]  
**Sent:** Wednesday, August 3, 2016 1:28 PM  
**To:** Ajay Kumar (India & ME - MFG) <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)>  
**Cc:** Venkatesh Kamat <[vvkamat@unigoa.ac.in](mailto:vvkamat@unigoa.ac.in)>; Ramdas Karmali <[rnk@unigoa.ac.in](mailto:rnk@unigoa.ac.in)>; Jyoti D Pawar <[jdp@unigoa.ac.in](mailto:jdp@unigoa.ac.in)>  
**Subject:** Re: Intel / Wipro HPC Workshop 2016.\_GOA

\*\* This mail has been sent from an external source \*\*

Dear Ajay  
Thanks for your mail.  
We will certainly be happy if this is conducted at our Dept.  
I have ccd my Dept colleague s and hod.  
Let us decide on a suitable date.

On 3 Aug 2016 1:19 p.m., <[ajay.kumar45@wipro.com](mailto:ajay.kumar45@wipro.com)> wrote:

Dear Sir/ Ma'am,

Greetings from Wipro!

In the world of HPC, every increase in processor performance creates an opportunity to accelerate the pace of research and development – and researchers, scientists, and engineers around the world are using high performance computing (HPC) clusters to push the boundaries of knowledge and innovation—and they need ever-higher performance to solve today's increasingly complex challenges.

"Code Modernization" is a workshop that aims to bring the know how that users require to parallelize their environment. Please find below the agenda for the same.

Schedule	Time	Discussion title
09:30am-09:45am	15 min	Inauguration and Key note
09:45am-09:55am	10 min	Overview of Day
09:55am-10:15am	20 min	<ul style="list-style-type: none"><li>•Need for HPC in domains and its impact in business</li><li>•Growth opportunity areas in HPC</li></ul>
10:15am-10:45am	30 min	Pathway from serial computing to parallel computing
10:45am-11:00am	15 min	Tea Break
11:00am-11:45am	45 min	Parallel Programming: <ul style="list-style-type: none"><li>•Paradigms</li><li>•Shared memory programming with OpenMP</li><li>•Distributed memory programming with MPI</li><li>•Parallel Libraries</li></ul>
11:45am-12:30pm	45 min	Demo of OpenMP and MPI
12:30am-01:30pm	60 min	Lunch Break
01:30pm-02:00pm	30 min	Recent trends in supercomputing architectures : Importance of multi-core and many-core computing in supercomputing
02:00pm-02:45pm	45 min	Many-core programming : SIMD and vectorization Demo of Many core SIMD programming
02:45pm-04:30pm	75 min	HPC Software Development Tools: an overview
04.30pm-05.00pm	45 min	HPC quiz and Prize announcement: mention the1st, 2 <sup>nd</sup> and 3 <sup>rd</sup> prize here.

If this is of interest, we would like to conduct this workshop at your institute for the relevant users. You may reach out to us for more details.

**PS: there is no charge for the workshop. The only support we require is a place in your premise to conduct the workshop and your participation.**

Look forward to hearing from you.

**Thanks & Regards,**

**Ajay Kumar****Wipro Limited - HPC & Big Data****M +91-9716499206**

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Ramrao Wagh  
Associate Professor  
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