



Dr. Vishwanath Karad  
**MIT WORLD PEACE**  
**UNIVERSITY** | PUNE  
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

## School of Computer Engineering & Technology

**ACTIVITY:** A Guest lecture on “Industry Exposure to Object-Oriented Programming” under School of CET.

**DATE :** 8<sup>th</sup> August, 2020.

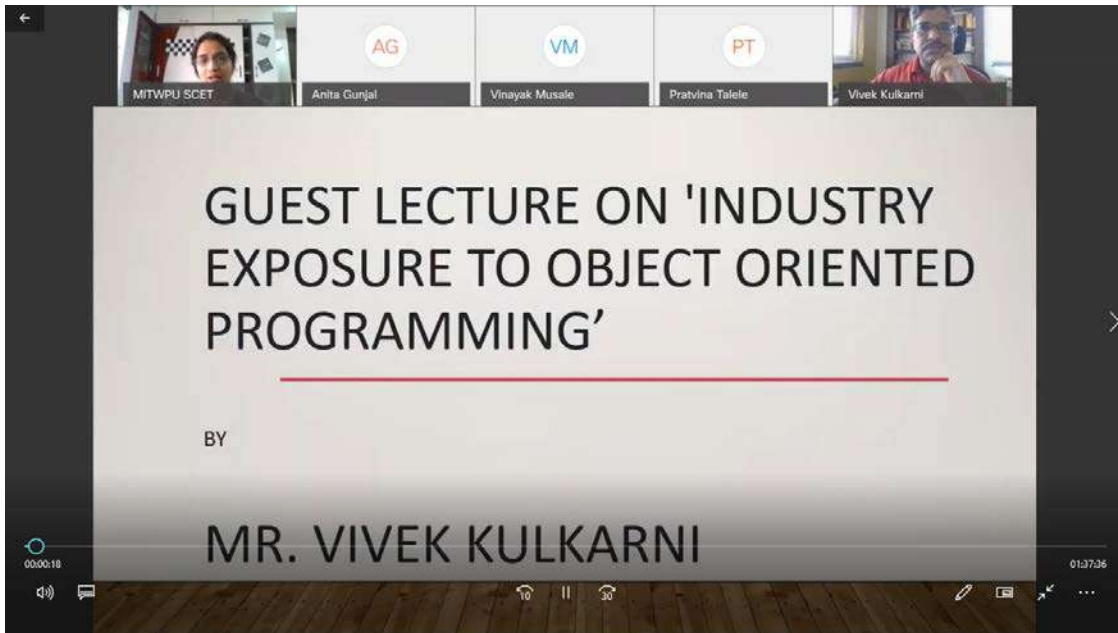
**TIME :** 11.00am to 12.45pm

**VENUE:** Webex, MIT-WPU.

**RESOURCE PERSON:** Mr. Vivek Kulkarni , Persistent Pvt. Ltd.

### **ABOUT THE SPEAKER:**

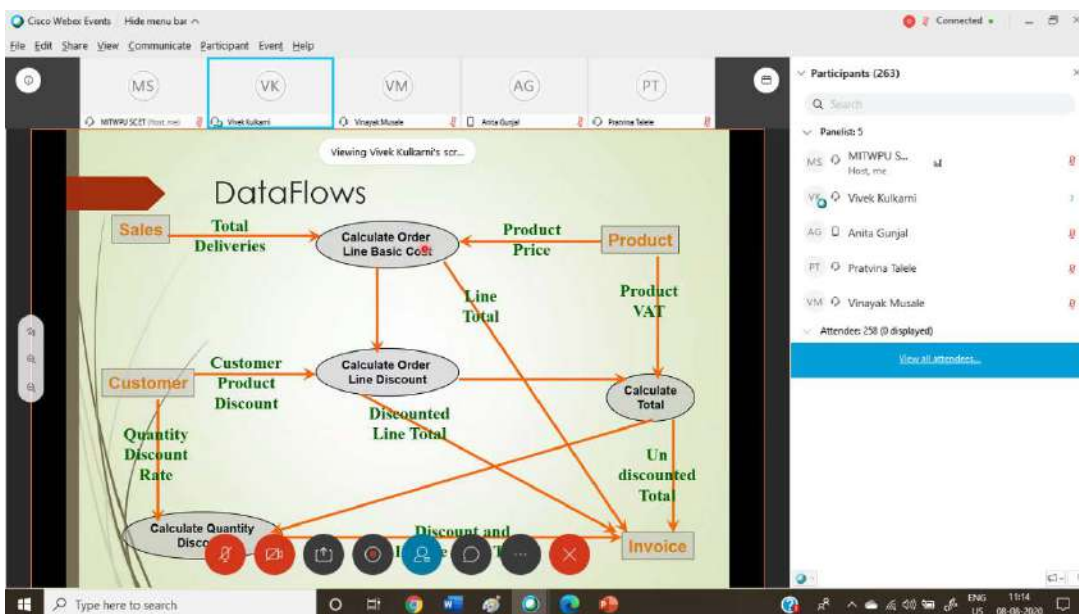
Vivek Kulkarni is currently working as **Senior Engineering Manager**, Data Science and AI at HP Inc. He has a **total experience of 26 years in academia and software industry**. He has served as a **subject chairman** for multiple subjects for the Board of Computer Engineering, SPPU (University of Pune) in the past. He has written **multiple books on "Theory of Computation"**; these include the recent one of the same title with Oxford University Press that was published in April 2013. This book has been recommended by Pune University (and many others) as a d book, in their newly revised 3rd year computer science syllabus. He has also worked in organizations such as Persistent Systems, BMC Software, Symantec Corporation, and Tech-Mahindra. He holds an international patent, "System and Method of Universal Programming Language Conversion", in his name as an inventor. He is also a **member of Academic Council** for Vishwakarma Institute of Information Technology (VIIT), Pune since May 2014. He is also a **Board of Studies member** for Pune University for the Information Technology stream and a Board of Studies member for MIT School of Engineering, a constituent of MIT Art, Design and Technology University, Pune. He served in the past as member secretary of Executive Council of Inter Institutional Inclusive Innovations Centre (i4C). He has **contributed to Ministry of HRD and PMO initiatives Smart India Hackathon (SIH) and Singapore-India Hackathon for the past 4 years**; he was involved from conceptualization to execution as executive committee secretary.



**AIM OF THE EVENT:** A guest lecture on “Industry Exposure to Object-Oriented Programming” was organized with the aim of providing exposure to students on industry perspective of OOP language.

**BRIEF REPORT OF THE ACTIVITY:**

The students of all 7 panels of S.Y.Btech CSE participated in a guest lecture on the topic of “Industry Exposure to Object-Oriented Programming” under the support of School of Computer Engineering and Technology. Mr. Vivek Kulkarni discussed about the OOP features with real-time examples. He also explained the limitations of using OOP features and solution for the same.



He explained the event, process and object with respect to the class.

The screenshot shows a presentation slide titled "Processes" with an airplane icon. The slide is part of a video recording, as evidenced by the playback controls at the bottom. The slide content is as follows:

**Processes**

**Examples:**

- Flight Departure:
  - The aircraft/crew execute the flight take-off process.
- User presses left mouse button.
  - The system responds by executing a process to display a dialog box.
- Person requests withdrawal of money from account.
  - The bank/teller processes the requests and returns the amount requested, and updates the necessary documents.

The video player interface includes a top bar with names (MS, VK, VM, PT) and a bottom bar with a progress bar, volume, and other controls. The current time is 00:21:43 and the total duration is 01:16:11.

The pros and cons of inheritance and composition explained with example.

The screenshot shows a presentation slide titled "Inheritance" with a checkmark and an X mark. The slide is part of a video recording, as evidenced by the playback controls at the bottom. The slide content is as follows:

**Inheritance**

**Advantages:**

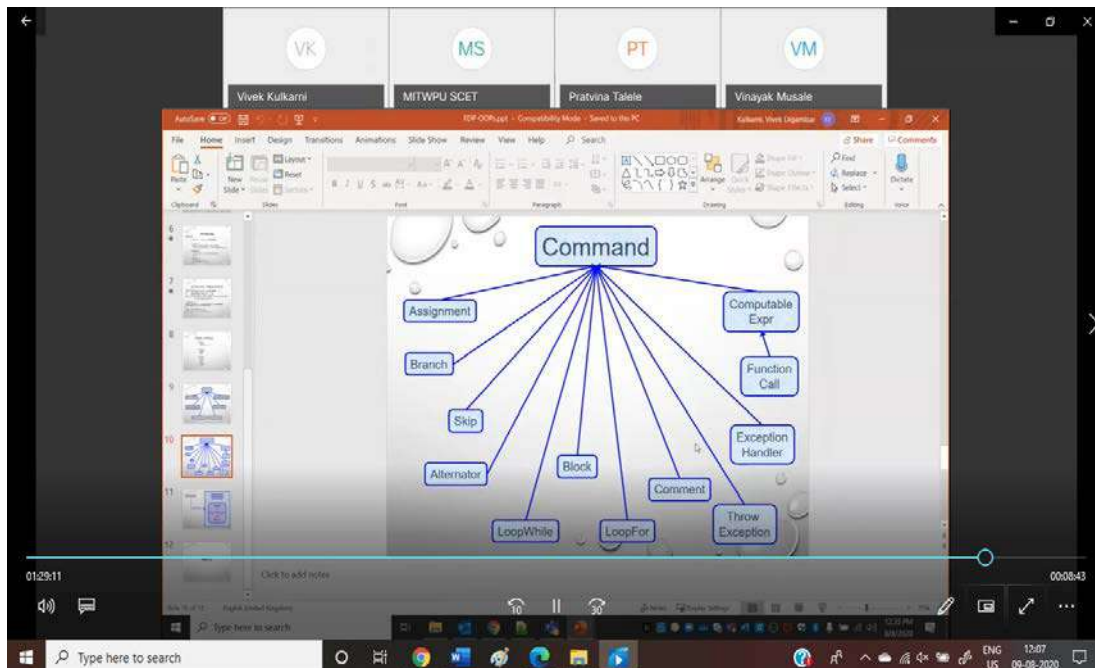
- Defined at compile-time and straightforward to use.
- Redefinition of inherited features is easy.

**Disadvantages:**

- Redefinition cannot happen at runtime.
- Parents impose some implementational constraints on their children.
- Any change to parent's implementation will impact its children.
- Inheritance can violate encapsulation.

The video player interface includes a top bar with names (MS, VK, VM, PT) and a bottom bar with a progress bar, volume, and other controls. The current time is 01:24:06 and the total duration is 00:13:48.

The question raised by one of the student was why inheritance is called as bad programming practice in c++. The speaker gave the answer with following example.



Finally Prof. Vinayak Musale gave vote of thanks to the guest and the students.



## WebExattendance report.

Row	Student ID	Name	Email	Attendance	Roll No	Time	Percentage	Other Info
418	413	Yash Jain	yjain9501@gmail.com	Yes	N/A	12:18 PM 12:39 PM	15%	100%
419	414	Sorabh Khasla	sorabhkhasla@gmail.com	Yes	N/A	12:19 PM 12:44 PM	14%	76%
420	415	Sameerjit Sonawane	seism2001@gmail.com	Yes	N/A	12:20 PM 12:45 PM	18%	100%
421	416	Sakshi Dongre	sakshidongre125@gmail.com	Yes	N/A	12:21 PM 12:31 PM	10 mins	0%
422	417	Ishika Gandhi	gandhi.ishika22@gmail.com	Yes	N/A	12:23 PM 12:24 PM	1 min	1%
423	418	Aditya Bhadewkavde	bhadewkavdeaditya@gmail.com	Yes	N/A	12:23 PM 12:45 PM	22 mins	1%
424	419	Yogesh Kulkarni	yogesh.kulkarni@mitwpu.edu	Yes	N/A	12:23 PM 12:45 PM	22 mins	16%
425	420	Aniket Chavanke	aniketchavanke41@gmail.com	Yes	N/A	12:24 PM 12:44 PM	21 mins	2%
426	421	Tushar Grover	grovertushar3@gmail.com	Yes	N/A	12:25 PM 12:45 PM	20 mins	0%
427	422	AMEENUDDIN SYED	syed389@gmail.com	Yes	N/A	12:25 PM 12:44 PM	19 mins	1%
428	423	Bhakti Awari	bhaktiawari13@gmail.com	Yes	N/A	12:26 PM 12:31 PM	6 mins	2%
429	424	Samiksha Jadhav	samikshajadhav295@gmail.com	Yes	N/A	12:27 PM 12:45 PM	18 mins	3%
430	425	Yenurkar Yash	yash.yenurkar04@gmail.com	Yes	N/A	12:28 PM 12:44 PM	17 mins	4%
431	426	Ishika Gandhi	gandhi.ishika22@gmail.com	Yes	N/A	12:28 PM 12:40 PM	12 mins	9%
432	427	Dimple Agarwal	agrawaldimple340@gmail.com	Yes	N/A	12:29 PM 12:38 PM	9 mins	5%
433	428	Kaushik C	kaushik208@gmail.com	Yes	N/A	12:32 PM 12:34 PM	2 mins	3%
434	429	Eesha Kulkarni	eeshak7eh@gmail.com	Yes	N/A	12:32 PM 12:37 PM	5 mins	3%
435	430	Afrid Begwan	afridbeg123@gmail.com	Yes	N/A	12:33 PM 12:44 PM	12 mins	6%
436	431	Revish Mehtajan	revishmehtajan2001@gmail.com	Yes	N/A	12:33 PM 12:39 PM	6 mins	4%
437	432	Bhakti Awari	bhaktiawari13@gmail.com	Yes	N/A	12:34 PM 12:34 PM	1 min	0%
438	433	Anita Gunjal	anita.gunjal@mitwpu.edu	Yes	N/A	12:36 PM 12:44 PM	8 mins	2%
439	434	Karan Bhutada	karanbhutada270@gmail.com	Yes	N/A	12:38 PM 12:44 PM	7 mins	3%
440	435	Bhakti Awari	bhaktiawari13@gmail.com	Yes	N/A	12:38 PM 12:44 PM	7 mins	3%
441	436	Ishika Gandhi	gandhi.ishika22@gmail.com	Yes	N/A	12:44 PM 12:44 PM	1 min	0%

## Taken an Online Feedback from students:

Row	Timestamp	Email Address	Roll Number	Name of the Student	Guest Lecture Feedback	Panel
84	8-8-2020 12:39:36	dishajain901@gmail.com	29	Disha Jain	Informative The lecture was very informative and well explained. I got to know about many new topics.	Panel-D
85	8-8-2020 12:39:36	jaagruti.jain1@gmail.com	31	Jagruti Sunil Jain	Need more lectures like this.	Panel-C
86	8-8-2020 12:39:36	patrickkronman@gmail.com	103	Patrick Noel	Great Lecture	Panel-F
87	8-8-2020 12:39:36	shamikpuranik0@gmail.com	109	Shamik Puranik	Very useful	Panel-F
88	8-8-2020 12:39:39	madhur6shama@gmail.com	34	Lukumar Sharma	Good informative session along with practical examples	Panel-E
89	8-8-2020 12:39:39	saakshithorat2001@gmail.com	61	Sakshi Thorat	it was really great	Panel-B
90	8-8-2020 12:39:40	ishadhuma02@gmail.com	36	Isha Dhuma	Good	Panel-D
91	8-8-2020 12:39:40	spiyush1121@gmail.com	24	Piyush Sonawane	The guest lecture was good. I learnt the details of OOP.	Panel-E
92	8-8-2020 12:39:47	pravakkam2001@gmail.com	27	Pra Vakkam	The lecture was very informative.	Panel-C
93	8-8-2020 12:39:48	kuikami.sanket2922@gmail.com	101	Sanket Kulkarni	Very informative	Panel-C
94	8-8-2020 12:39:48	harshoswal789@gmail.com	52	Harsh Oswal	It was amazing to attend this lecture and how inheritance and classes are used in real life with real life examples	Panel-D
95	8-8-2020 12:39:49	adityadatarclass@gmail.com	22	Aditya Datar	It was a very nice and interesting lecture from Vivek sir, I learned a lot from today's guest lecture.	Panel-A
96	8-8-2020 12:39:49	talrajgovinda20@gmail.com	18	Govinda Talreja	This guest lecture was very informative. I got to learn the industry aspect of OOP. Thank You	Panel-E
97	8-8-2020 12:39:55	rituraj.anand1998@gmail.com	101	Anand Rituraj	It was a nice lecture and informative	Panel-A

Prepared By,

OOP & PPL Team

School of CET, MIT  
WPU, Pune