



Gokhale Education Society's  
**R. H. Sapat College of Engineering, Management Studies, & Research**

- ISO 9001:2015 Certified - NAAC Accredited with Grade B++



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- Affiliated to Savitribai Phule Pune University  
- Recognized by DTE & Govt. of Maharashtra  
- Approved by AICTE, New Delhi

Ph. 0253- 2570106

**Report on One Day Online FDP  
for Syllabus orientation  
on  
Object Oriented Programming and OOP  
Laboratory**

*Organized by*

**Department of MCA Engineering**

**in association with**

**Savitribai Phule Pune University**

## CONTENTS

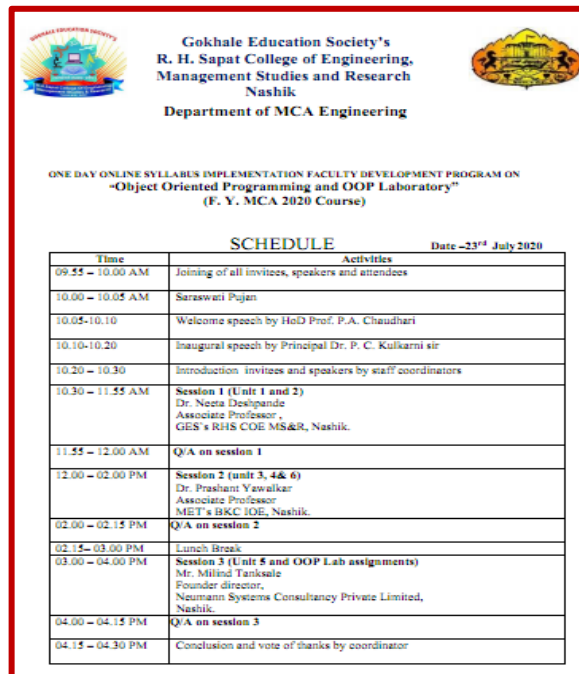
SR. NO.	CONTENTS	Page No.
1	FDP Details	2
2	Inauguration	4
3	Session 1	6
4	Session 2	7
5	Session 3	7
6	Valedictory Ceremony	8
7	Feedback	8
8	Outcome	8

## FDP COMMITTEE MEMBERS

Prof. P. A. Chaudhari	Convener
Prof. R. C. Samant	Co Convener
Prof. G. G. Raut	Member
Prof. T. U. Ahirrao	Member
Prof. P. N. Deshmukh	Member
Prof. N. V. Bhatambarekar	Member
Prof. S. B. Kolpe	Member

## 1. FDP Details

One Day Online Faculty Development Program for syllabus orientation on “Object Oriented Programming and OOP Laboratory” in association with Board of Studies MCA (Under faculty of Science and Technology), SPPU, Pune was organized at MCA Engineering department on 23<sup>rd</sup> July 2020. This program was a combination of theoretical exercise & laboratory experiments. This FDP aims to provide opportunities to faculty members to enrich their technical knowledge in the field of Object-Oriented Programming. This FDP also intends to develop the culture in participants for motivation the relevant field for inculcating learning values in students and guiding and monitoring their progress. The FDP was attended by faculty members of MCA department (Engineering Faculty) of many colleges under SPPU University.



**Gokhale Education Society's  
R. H. Sapat College of Engineering,  
Management Studies and Research  
Nashik  
Department of MCA Engineering**

ONE DAY ONLINE SYLLABUS IMPLEMENTATION FACULTY DEVELOPMENT PROGRAM ON  
"Object Oriented Programming and OOP Laboratory"  
(F. Y. MCA 2020 Course)

**SCHEDULE** Date -23<sup>rd</sup> July 2020

Time	Activities
09:55 – 10:00 AM	Joining of all invitees, speakers and attendees
10.00 – 10.05 AM	Saraswati Pujan
10.05-10.10	Welcome speech by HoD Prof. P.A. Chaudhari
10.10-10.20	Inaugural speech by Principal Dr. P. C. Kulkarni sir
10.20 – 10.30	Introduction invitees and speakers by staff coordinators
10.30 – 11.55 AM	<b>Session 1 (Unit 1 and 2)</b> Dr. Neeta Deshpande Associate Professor, GES's RHS COE MS&R, Nashik.
11.55 – 12.00 AM	Q/A on session 1
12.00 – 02.00 PM	<b>Session 2 (unit 3, 4&amp; 6)</b> Dr. Prashant Yawalkar Associate Professor, MET's IOE, Nashik.
02.00 – 02.15 PM	Q/A on session 2
02.15– 03.00 PM	Lunch Break
03.00 – 04.00 PM	<b>Session 3 (Unit 5 and OOP Lab assignments)</b> Mr. Milind Tanksale Founder director, Neumann Systems Consultancy Private Limited, Nashik.
04.00 – 04.15 PM	Q/A on session 3
04.15 – 04.30 PM	Conclusion and vote of thanks by coordinator

Fig. 1: OOP FDP Schedule



**Gokhale Education Society's  
R. H. Sapat College of Engineering, Management Studies  
and Research, Nashik  
Department of MCA Engineering**

In Association with  
**Savitribai Phule Pune University, Pune**

One Day Online FDP for syllabus orientation on  
**"Object Oriented Programming and OOP Laboratory"**

Join us on –  
[meet.google.com/qhp-ainh-rri](https://meet.google.com/qhp-ainh-rri)  
Date- 23<sup>rd</sup> July 2020

Time- 10:00 a.m. to 4:30 p.m.

**Organizing Committee**  
Prof. P. N. Deshmukh  
Prof. N. V. Bhatambarekar  
Prof. G. G. Raut  
Prof. S.B. Kolpe

**Our Experts**  
**Dr. Neeta A. Deshpade**  
Associate Professor, GES's RHSMS&R, Nashik.  
**Dr. Prashant M. Yawalkar**  
Associate Professor, MET's IOE, Nashik  
**Mr. Milind A. Tanksale**  
Founder Director, Neumann Sys. Consult. Pvt. Lmt. Nashik

Prof. R. C. Samant    Prof. P. A. Chaudhari    Prof. P. M. Deshpande    Dr. P. C. Kulkarni  
Co-convener    Convener/ H.O.D    Vice Principal    Principal

Fig 2: FDP Poster

There were total 25 registered candidates of MCA department from different college of SPPU university. List of registered candidates along with email id and college name are listed below for reference.

**Table 1: Registered Faculty for OOP FDP on 23/7/2020**

Sr No	Name	Email id	College Name
1	Mr. Roshan Anant Gangurde	roshanant@gmail.com	K. K. Wagh Institute of Engineering Education and Research
2	Mrs. Mariyam Ejaz Maniyar	memaniyar@kkwagh.edu.in	K.K.K.Wagh Institute of Engineering Education and Research
3	Pradnya Muley	pradnya.muley@moderncoe.edu.in	PES, Modern College of Engineering, Pune
4	Mrs.Nita Shinde	shindenita29@gmail.com	MET'S Institute of Engineering
5	Prachiti Suresh Pimple	pspimple@kkwagh.edu.in	K K wagh institute of engineering education and research,nashik
6	Ms. Soni Choudhary	skchoudhary@kkwagh.edu.in	K.K.Wagh Institute of Engineering Education and Research, Nashik
7	Mr. Mayur Rajendra Sonar	mrsonar@kkwagh.edu.in	K K Wagh Institute of Engineering Education and Research
8	Javed Rauf Attar	javed.attar83@gmail.com	MET'S INSTITUTE OF ENGINEERING
9	Rama Bansode	raman601@gmail.com	MCOR Pune
10	Mrs.Vandana Bagal	<a href="mailto:vcbagal@kkwagh.edu.in">vcbagal@kkwagh.edu.in</a>	KKWIEER
11	Mrs. Archana Liladhar Rane	alrane@kkwagh.edu.in	K k Wagh Institute of Engineering Education and Research, Nashik
12	Mrs Poonam Girish Fegade	pgfegade@kkwagh.edu.in	K.K.Wagh Institute of Engineering Education and Research
13	Ms.Netraja C Mulay	netraja@gmail.com	P. E. S s Modern College of Engineering Pune 5
14	Mr.P.D.Jadhav	pdjadhav17@gmail.com	MET's Institute of Engineering
15	Mrs.Pratibha Adkar	adkarpratibha4@gmail.com	P.E.S.Modern College of Engineering
16	Mrs. Swati Dinesh Ghule	swati.ghule@moderncoe.edu.in	P. E. S. Modern College Of Engineering, Pune
17	Ms Remya Sasidharan Panicker	remya.panicker@gmail.com	Met Institute of Engineering BKC
18	Mr. Prakash M. Kene	prakash.kene@gmail.com	PES Modern College of Engineering, shivaji nagar, Pune
19	Mr Sakharam Bhausahab Kolpe	sakharamkolpe@gmail.com	GES RH Sapat COEMSR Nashik
20	Mrs Poonam Chaudhari	poonam.chaudhari@ges-coengg.org	GES RH Sapat COEMSR Nashik
21	Mrs. Gayatri G Raut	gayatri.wahane@gmail.com	GES RH Sapat COEMSR Nashik
22	Pranjali Deshmukh	pranjudesh@gmail.com	GES RH Sapat COEMSR Nashik
23	Mrs. Trupti Ahirrao	ahirrao.trupti26@gmail.com	GES RH Sapat COEMSR Nashik
24	Neha Vijay Bhatambarekar	b.neha29@gmail.com	GES RH Sapat COEMSR Nashik

## 2. INAUGURAL SESSION:

The FDP was started on 23<sup>rd</sup> July, 2020 in the morning 10.00 a.m. with Maa Saraswati Vandana. Prof. R. C. Samant, Co convener and anchor welcomed all the cherished dignitaries and participants.

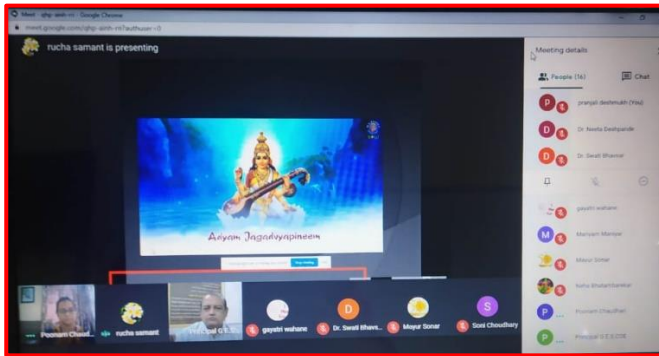
The program was inaugurated in the presence and with blessings of:

- Honorable Dr. V. H. Patil, Chairman of BOS (Computer Engineering), SPPU and Vice Principal, Dean (Academic) & HOD (Computer Department), MES's Matoshree College of Engineering & Research Center, Nashik.
- Honorable Dr. S. S. Sane, Chairman of BOS (Computer Application), SPPU and Vice Principal & HOD (Computer Department), K.K. Wagh Institute of Engineering Education & Research, Nashik.
- Respected Dr. M. U. Kharat (Chief Guest), Professor & HOD (Computer Department), MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.
- Respected Dr. Suhasini Itkar, BOS member (SPPU) & Vice Principal at PES's Modern College of Engineering, Pune.
- Respected Principal Dr. P. C. Kulkarni, GES's R. H. Sapat COE Management Studies and Research, Nashik.
- Respected Dr. N. A. Deshpande, Associate Professor, GES's R. H. Sapat COE Management Studies and Research, Nashik.
- Respected Dr. P. M. Yawalkar, Associate Professor, MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.
- Respected Mr. Milind Tanksale, Founder Director, Neumann Systems Consultancy Private Limited, Nashik.

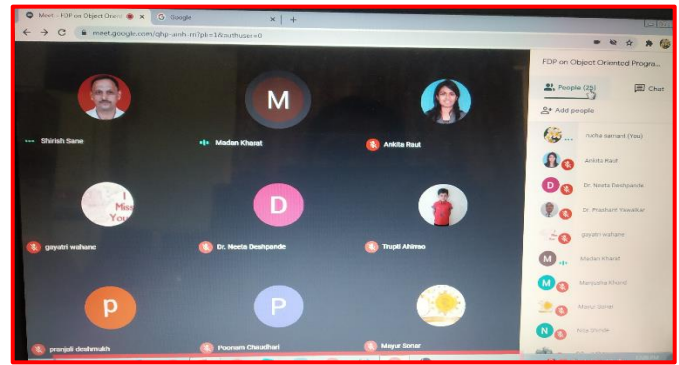
### **WELCOME Ceremony:**

Prof. P. A. Chaudhary, Convener & HOD (MCA Department) welcomed the founder of MCA engineering Dr. S. S. Sane, Guest of honor Dr. M. U. Kharat, BOS member Dr. Suhasini Itkar, Principal Dr. P. C. Kulkarni for their valuable presence. She also expressed her heartfelt gratitude towards BOS chairman Dr. Varsha Patil madam. She welcomed all the HODs from different colleges and participants. Madam highlighted the dedication and important role of all these dignitaries in the designing of MCA 2020-21 two year course.

In the inaugural speech, Hon. Principal Dr. P. C. Kulkarni sir shared his views with faculty participants that Object Oriented Programming subject is very important as it's concepts are strong enough to face the challenges of present situation. Sir further shared that OOP is known to computer professional over two decades and has shaped carrier of many people from computer field. Sir wished great success for this FDP and thanked to SPPU University for giving opportunity to conduct Online Faculty Development Program in the institute.



Screen shot 1: Saraswati Vandana



Screen Shot 2: Inaugural function



Screen shot 3: Dr. S. S.Sane, Principal Dr. P. C. Kulkarni



Screen shot 4: FDP Poster and Participants view

BOS chairman Hon. Dr. S. S. Sane sir shared his views on MCA (2 Years) 2020-21 course. Sir assured that this course will flourish in coming years as duration of this course is reduced from 3 years to 2 years. Sir briefed about the course designing process and focused on inclusion of CO, PO, case studies and project based learning in this new course. He highlighted the importance of OOP subject in this new course. He advised faculty members to use real world examples while teaching the concepts of OOP. Sir also mention that students find difficulties in understanding some OOP concepts like template, virtual function, file handling, etc. so it must be deliver properly to them. Sir has given following suggestions:

1. To create bank of laboratory assignments by all faculties from all colleges and share it with students.
2. Use of code zinger which will be beneficial for students to improve coding capabilities.
3. Use of Virtual Labs AICTE for laboratory assignments.

In the function, Chief Guest Dr. M. U. Kharat sir elaborated the importance of OOP subject in MCA 2 Years course. Sir also shared his views on framing of MCA course. Sir said, this course is designed for students from different educational background similarly it is coped up with industrial advancements and has included all the contents of previous syllabus of 3 years course. Sir explained how all these aspects are considered while framing the new course. Sir suggested faculty members to teach students basic concepts of OOP and give more focus on practical assignments.

### 3. SESSION 1: Object Oriented Programming (Unit 1 & 2)

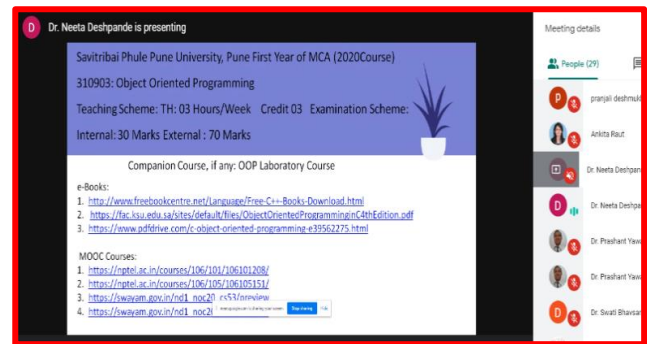
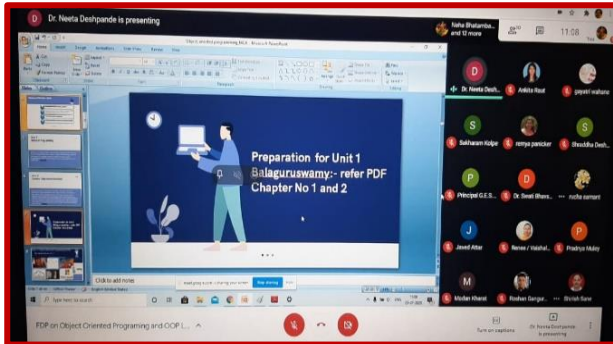


Prof. G. G. Raut introduced session expert **Dr. Neeta Deshpande**, Associate Professor, GES's RHS COE MS&R, Nashik.

In the first session, resource person Dr. Neeta Deshpande started her discussion with outcome of this FDP and also elaborated different aspects of teaching process to be consider during this pandemic situation. Madam emphasized on the question framing process so that it will reach above the Blooms Taxonomy level 3 to build brighter students' capabilities. She also advised faculty members to explain objective and outcome of subjects to students.

Dr. Neeta Deshpande madam shared information related reference books like E Balgurusamy and Bjarne Stroustrup and its mapping with unit 1 and unit 2 syllabus. Madam added another dimension of parallel preparation of students for competitive coding by referring different web sites like Hacker rank, Codechef ,Google kickstart etc.. While highlighting importance of OOP, madam explored that source code of various software are written in C++ language; Adobe Photoshop, Google to name few. She further narrated advantages of OOP as it enhances productivity, has good libraries, functions and provides easy troubleshooting.

Madam also shared Virtual Lab links to be used for practical purpose. It helped to make subject fully understand and created interest among participants.



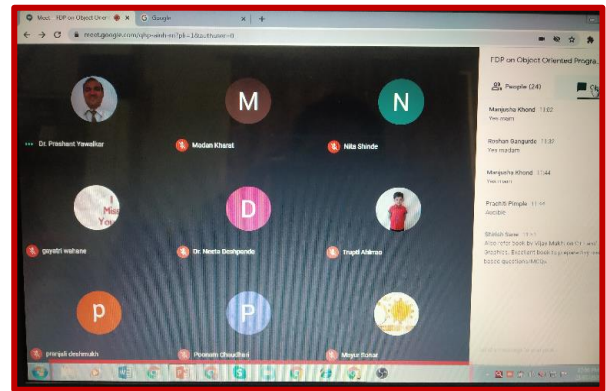
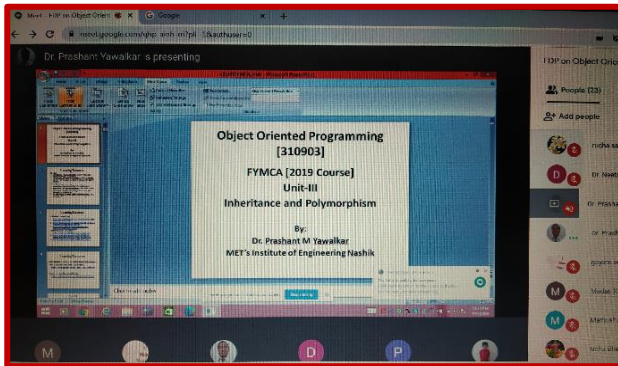
Screen shot 5 and 6: Session 1 by Dr. Neeta Deshpande

#### 4. SESSION 2: Object Oriented Programming (Unit 3 ,4 & 6)



Prof. G. G. Raut introduced session 2 expert, **Dr. Prashant Yawalkar**, Associate Professor, MET's BKC IOE, Nashik.

In second session Dr. Yawalkar sir articulated from fundamental concepts of OOP like Inheritance, polymorphism, operator overloading and virtual functions to how to create analogies to understand the concept to better extend. Sir also explained file handling concept in very simple manner. Sir covered Unit 3, 4 and of Object Oriented Programming subject which are otherwise bit hard to understand in very short period of time.



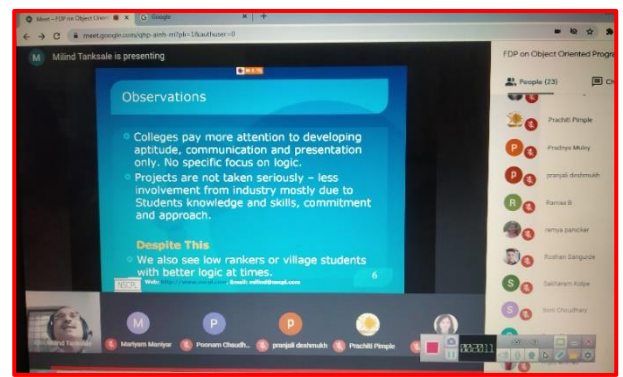
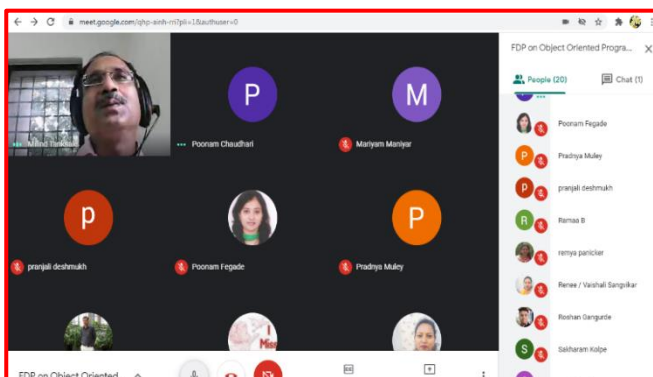
Screen Shot 7 & 8: Session 2 by Dr. Prashant Yawalkar

#### 5. SESSION 3: OOP Laboratory



Prof. R. C. Samant introduced session 3 expert Mr. Milind Tanksale, Founder Director, Neumann Systems Consultancy Private Limited, Nashik.

In the last session, Industry expert, Mr. Tanksale gave the brief awareness and insights of industry expectations apart from attitude, skills and professionalism. Sir emphasized on industry exposure to the students. Sir also elaborated Ideal teachers approach towards industry and advised faculty members to interact more with industry to bridge the gap between Industry and academics. The path sir has paved definitely serve as guiding light.



Screen Shot 9 & 10: Session 3 by Mr. Milind Tanksale



## 6. VALEDICTORY SESSION:

Receiving an overwhelming response with 24 registration and around 35 attendees, A One-day FDP on “*Object Oriented Programming and OOP Laboratory*” came to an end with valedictory session, graced by Hon’ble Dr. V. H. Patil, Hon’ble Dr. S. S. Sane, respected Dr. M.U. Kharat and Dr. Suhasini Itkar. The success of this novel FDP attributed to the strong leadership of our respected Principal Dr. P. C. Kulkarni as well as the support and inspiration of respected vice principal of the college Prof. P. M. Deshpande. The Management of GES COE RHS MS&R has given great opportunity and support to make this event a big success.

The program was ended with vote of thanks by Prof. N. V. Bhatambarekar.

## 7. FEEDBACK:

At the end of the FDP online feedback was collected. All participants given positive feedback with 95% excellent in all aspects like objective, outcome, presentation, speaker knowledge, etc. Most of the participants have posted positive comments about sessions and organization of FDP.

Timestamp	Email Address	Full Name	College	City	Was the presentation clear?	Were the objectives of the FDP clear?	View the outcomes of the FDP	Was the FDP able to meet the speaker's goal?	Was adequate time provided?	Do you feel that your knowledge was enhanced?	Comments, if any.	How do you rate the overall event?
7/20/2020 13:42:24	anurajkumar@gmail.com	Pranjal Deshmukh	Geshwari	Nashik	5	5	5	Yes	5	5	5	5
7/20/2020 14:27:28	shrinidhi123@gmail.com	Tupai Shiras	R. H. Sapal	Nashik	5	5	5	Yes	5	5	5	5
7/20/2020 17:22:59	heliprati2@gmail.com	Nail Raut	GES RH Sapal Coe	Nashik	5	5	5	Yes	5	5	5	5
7/20/2020 17:37:07	nuchanment12@gmail.com	R. C. Sane	ges	res	5	5	5	Yes	5	5	5	5
7/24/2020 14:43:41	velochoudhary@kknag.edu.in	Soni Choudhary	K.K.Wagh Institute of Eng	Nashik	4	5	4	No	4	5	4	5
7/24/2020 14:43:45	shrinidhi123@gmail.com	Aradhya Lichhekar	K.K.Wagh Institute of Eng	Nashik	5	5	5	Yes	5	5	5	5
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7/24/2020 14:52:22	prakashkumar@gmail.com	Prakash Kulkarni	PBS Modern college of Eng	Pune	4	5	4	Yes	5	5	4	5
7/24/2020 14:53:01	namad01@gmail.com	Nama Sarode	MCOE Pune	Pune	5	5	5	Yes	5	5	5	5
7/24/2020 14:57:52	anilphule@modern.edu	Anil Dinesh Ghule	P.B.S. Modern College of Pune	Pune	4	5	5	Yes	4	4	4	4
7/24/2020 15:16:19	manjivkharat@gmail.com	Manjiv Vithal Kharat	NET/CE BNC Nashik	NASHIK	5	5	5	Yes	5	5	5	5
7/24/2020 15:26:26	narayan1@gmail.com	Narayan Arant Gangrade	K. K. Wagh Institute of Eng	Nashik	5	5	5	Yes	5	5	5	5
7/24/2020 15:43:21	sojadhew17@gmail.com	P. D. Jadhav	Net low Nashik	Nashik	5	5	5	Yes	5	5	5	5
7/24/2020 15:49:07	mamanyar@kknag.edu	Manjari Ekap Manjari	K.K.Wagh Institute of Eng	Nashik	5	5	5	Yes	5	5	5	5
7/24/2020 16:28:42	pradyumnay@modern.edu	Pradyumnay	PBSB Modern College of Pune	Pune	5	5	5	Yes	5	5	5	5
7/24/2020 16:13:55	ashwanthkumar@gmail.com	Shrinidhi Ashkar	P.B.S. Modern College of Pune	Pune	5	5	5	Yes	5	5	5	5
7/24/2020 16:41:40	pradyumnay@modern.edu	Pradyumnay	PBSB Modern College of Pune	Pune	5	5	5	Yes	5	5	5	5
7/24/2020 17:02:57	aplepatil@kknag.edu.in	Poojan Girish Patil	K.K.Wagh Institute of Eng	Nashik	5	5	5	Yes	5	5	5	5
7/24/2020 17:31:34	shrinidhi123@gmail.com	Nishu Shiras	NET/CE BNC Nashik	Nashik	5	5	4	Yes	4	5	4	5
7/24/2020 17:46:08	sojadhew17@gmail.com	Prachi Sojadhew	K.K.Wagh Institute of Eng	Nashik	5	5	5	Yes	5	5	5	5
7/24/2020 23:47:16	velochoudhary@kknag.edu.in	Vandana Chavan Sapal	KKVIBER	Nashik	5	5	5	Yes	5	5	5	5

## 8. OUTCOME:

All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics give insights about the new academic curriculum. Participants were enlightened with the concepts and advancements in the topic Object Oriented Programming and Laboratory. This in turn will help in motivating participants as well as students.

Prepared By  
**Prof. R. C. Samant**  
 Co Convener

Approved By  
**Prof. P. A. Chaudhari**  
 Convener & HOD(MCA)