



SHRI VITHAL EDUCATION &amp; RESEARCH INSTITUTE's

**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

NBA Accredited all Eligible UG Programmes and, NAAC, Accredited Institute,

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ISO 9001:2015  
Certified  
SVERI**1.2.2 List of Add on /Certificate programs offered during A.Y.: - 2020-2021**

Sr. No.	Name of Add on /Certificate programs offered	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
1.	AutoCAD 2D & 3D Drawings for Design and Drafting	1	15/02/2021 To 24/02/2021 (40 Hrs)	134	134
2.	C for Everyone: Programming Fundamentals	1	08/03/2021 To 15/03/2021 (32 Hrs)	156	156
3.	Advanced Programming Concepts in Python	1	19/04/2021 To 26/04/2021 (32 Hrs)	147	147
4.	Advanced C++ Programming	1	01/02/2021 To 08/02/2021 (32 Hrs)	104	104
5.	PCB Design Using Arduino	1	22/02/2021 To 01/03/2021 (32 Hrs)	143	143
6.	Problem Solving using MATLAB	1	15/03/2021 To 22/03/2021 (32 Hrs)	118	118
7.	Introduction to AUTOCAD software	1	01/03/2021 To 10/03/2021 (36 Hrs)	141	141
8.	Design of sewage system & water supply system using WaterGEMS	1	15/03/2021 To 22/03/2021 (32 Hrs)	137	137
9.	Hands-on experience on RCC Structure Design by using STAAD-PRO software	1	15/03/2021 To 23/03/2021 (32 Hrs)	74	74



*P. Range*  
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ID 9105048196**1.2.2 List of Add on /Certificate programs offered during A.Y.: - 2020-2021**

Sr. No.	Name of Add on /Certificate programs offered	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
10.	MATLAB Programming	1	15/03/2021 To 27/03/2021 (30 Hrs)	66	66
11.	Introduction to Electrical Vehicle	1	05/04/2021 To 17/04/2021 (30 Hrs)	73	73
12.	IOT using Arduino	1	10/05/2021 To 15/05/2021 (36 Hrs)	160	160
13.	Entrepreneur & Startup	1	07/06/2021 To 11/06/2021 (30 Hrs)	150	150
14.	Blockchain	1	24/05/2021 To 29/05/2021 (36 Hrs)	152	152
15.	Share Marketing	1	15/07/2021 To 14/09/2021 (30 Hrs)	67	67
16.	GST	1	12/07/2021 To 10/08/2021 (30 Hrs)	55	55



*B Range*  
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**SVERI's**  
**College of Engineering, Pandharpur**  
**Mechanical Engineering Department**

# Online Certificate

## Course on

# C for Everyone: Programming Fundamentals

**Duration- 8<sup>th</sup> March 2021 to 15<sup>th</sup> March 2021**

# Sem-II

## A.Y.: 2020-21



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## REPORT

The Department of Mechanical Engineering conducted online Certificate course on **C for Everyone: Programming Fundamentals** from 08/03/2021 to 15/03/2021. The resource person for this certificate course was Mr. S. D. Bhosale. In this certificate course the student got the detail knowledge about C Language and its various applications in the field of academics, research & industry. Domestic and industrial applications of C Language with practical on Mechanical application have been covered in this certificate course. Total 156 students of T. Y. Mechanical participated in this certificate course. All the faculty members from Mechanical department worked actively for the successful completion of certificate course. The Course outcomes for this course are:

- 1) Student got the knowledge about which are the new opportunity available for business In C Language.
- 2) Student understood the application of C Language.

  
Mr. A. A. Shinde  
Course Coordinator

  
Dr. S. S. Wangikar  
Head, Mech. Engg. Dept.

HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur

## RESOURCE PERSONS

The resource persons Mr. S. D. Bhosale, Assistant Professor from SVERI's College of Engineering, Pandharpur .

## MAJOR TOPICS

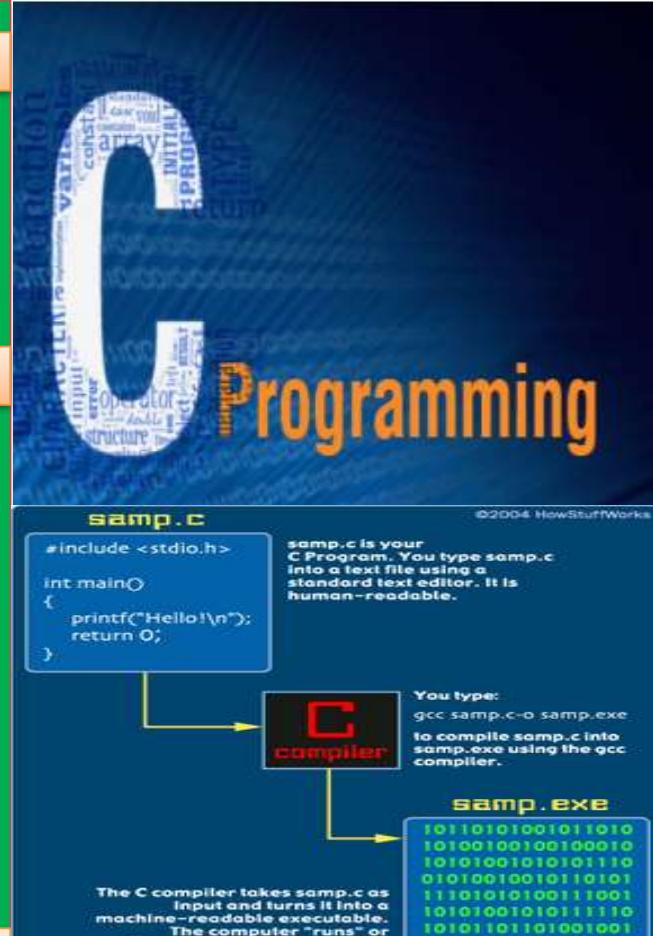
## Basics in Structure of C program, Fundamentals in C.

Operators and Expressions, Data types, Input-Output Library Functions, Control statements, Function, Storage class, Pointer, Array, Strings.

- Importance of C language Software.
- C - Usage in Academics and Industries.

## ABOUT THE PROGRAM

This training programme on “C for Everyone: Programming Fundamentals” is being organized by SVERI’s College of Engineering, Pandharpur with an objective to provide a golden opportunity to students to learn about C Language and its various application in the field of academics, research & industry.



# **SVERI's College of Engineering, Pandharpur**

## Department of Mechanical Engineering

## Organizes Online Certificate Course on

# “C for Everyone: Programming Fundamentals”

**Date: 8<sup>th</sup> Mar. to 15<sup>th</sup> Mar. 2021**





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ISO 9001:2015



Date: 03/03/2021

## Department of Mechanical Engineering

### NOTICE

All the students of T.Y. B. Tech. (Mechanical Engineering) are informed to note that, it is compulsory for students of T.Y. B. Tech. to complete Add-on course from A.Y.2020-2021. Accordingly, Department of Mechanical Engineering has organized **Add on Course on 'C for Everyone: Programming Fundamentals'** from **08<sup>th</sup> March 2021 to 15<sup>th</sup> March 2021**. Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination.

All the concerned should take note and act accordingly.

(Prof. A. A. Shinde)  
Program Coordinator

(Dr. S. S. Wangikar)  
Head, Mech. Engg. Dept.

HEAD,  
Dept. of Mechanical Engg  
C.O.E. Pandharpur



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Ref. No.: COEPR/MECH/2020-2021

Date:-01/03/2021

## **OFFICE ORDER**

Following committee has been constituted for Design and Development of Curriculum for **Add on Course 'C for Everyone: Programming Fundamentals'** for T.Y. B.Tech. (Mechanical Engineering) Semester-II of Academic Year: 2020-2021.

<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Particular</b>
1.	Prof. S. D. Bhosale	Chairman
2.	Prof. V. R. Chavan	Member

The above members are requested to design the curriculum for the said Add on Course and submit final copy of the curriculum to the undersigned on or before 05/03/2021.

Please take a note of the same and act accordingly.

**(Dr. S. S. Wangikar)**  
**Head, Mech. Engg. Dept.**

**HEAD,**  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur**

**Copy to:**

1. Prof. S. D. Bhosale
2. Prof. V. R. Chavan
3. Principal
4. Dean Academics
5. Registrar
6. Office copy



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Kolkata E-mail : coe@sveri.ac.in Website: www.sveri.ac.in



## **Department of Mechanical Engineering**

### **Syllabus for C for Everyone: Programming Fundamentals**

- **Basics in Structure of C program**
- **Fundamentals in C**
- **Operators and Expressions**
- **Data types**
- **Input-Output Library Functions**
- **Control statements**
- **Function**
- **Storage class**
- **Pointer**
- **Array**
- **Strings**
- **Importance of C language Software**
- **C - Usage in Academics and Industries**

**(Mr. A. A. Shinde)**  
**Program Coordinator**

**(Dr. S. S. Wangikar)**  
**Head, Mech. Engg. Dept**

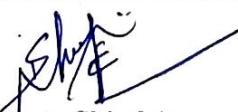
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**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur**

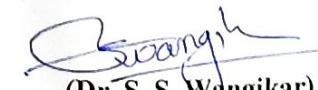
**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

A.Y. 2020-21 SEM:II

**Online Certificate Course on "C for Everyone: Programming Fundamentals"**  
**CLASS: T. Y. (MECH) DIV: A**  
**Student List**

Roll No.	Name of Student	Roll No.	Name of Student
TA01	Achugatla Komal R.	TA39	Kale Ayush Nitin
TA02	Gajakosh Shraddha D.	TA40	Khandagale Rohit Ananda
TA03	Joshi Gayatri Vinayak	TA41	Kirgat Prathmesh Ramesh
TA04	Lakheri Vaishnavi Mahesh	TA42	Kshirsagar Sachin Ashok
TA05	Mirjkar Saleha Salim	TA43	Pansare Akshay Balasaheb
TA06	Parchandrao Madhuri V.	TA44	Misal Mangesh Mahavir
TA07	Parvat Namrata Raju	TA45	More Suraj Dattatray
TA08	Sathe Deepjyoti D	TA46	Motewar Aditya Vyankatesh
TA09	Tarapurkar Rutuja Suresh	TA47	Mundhe Nikhil Dilip
TA10	Admane Dhananjay R.	TA48	Narute Bhushan Narayan
TA11	Sul Amol Dhondiba	TA49	Waghmare Sachin Dattatray
TA12	Bansode Dnyaneshwar R.	TA50	Disale Pranay Pradip
TA13	Jadhav Atish Balaso	TA51	Mane Deshmukh Samarth B.
TA14	Burungale Bharat D.	TA52	Mohammad Sajid Khan
TA15	Chavan Samarth Suresh	TA53	Mujawar Nihal Yusuf
TA16	Chavan Saurabh Chandrakant	TA54	Mulani Irfan Rashid
TA17	Chavan Shreeyash Rajaram	TA55	Musale Prajwal Dattatraya
TA18	Chavan Yogesh Prakash	TA56	Nagargoje Rambhajee Ramchandra
TA19	Chavare Sumeet Suhas	TA57	Padage Pritam Balaji
TA20	Chitari Ghanasham Shashikant	TA58	Mule Paras Mahavir
TA21	Dandage Omkar Babaso	TA59	Pawar Shailesh Mahadev
TA22	Deokar Onkar Rajendra	TA60	Phalake Onkar Haridas
TA23	Deshmukh Pruthviraj Somnath	TA61	Ronge Vivek Dashrath
TA24	Todkar Ganesh Shankar	TA62	Sadul Sunil Ambadas
TA25	Gadekar Yash Yuvraj	TA63	Shaikh Md Aazam Ejaz Ahmed
TA26	Gaikwad Vaibhav Nanasaheb	TA64	Shikalgar Sohel Humayun
TA27	Gaikwad Vaibhav Ramdas	TA65	Somadale Pravin Dilip
TA28	Ghadage Prakash Bhimrao	TA66	Thorat Shashikant Dadarao
TA29	Shelar Yuvraj Vinod	TA67	Vairagkar Kanhaiya S.
TA30	Satapute Rahul Rajaram	TA68	Wadekar Chaitanya D.
TA31	Godse Rutik Ramesh	TA70	Patil Omkar Sanjay
TA32	Patil Rushikesh Vidyadhar	TA71	Gavali Parit Pavan Ankush
TA33	Hambirrao Kiran Vinayak	TA72	Gawali Vinayak Shivaji
TA34	Jagadale Milind Shashikant	TA73	Thomas Ashley A
TA35	Parchandrao Chandragupt V.	TA74	Shinde Ravikiran Tukaram
TA36	Jatkar Prathamesh Manohar	TA76	Vardole Ashutosh Ganesh
TA37	Joshi Atharv Santosh	TA77	Shendage Siddhanath Shahaji
TA38	Kadasare Saurabh Bandu	TA78	Waghmare Raj Vikas

  
**(Prof. A. A. Shinde)**  
**Course Co-ordinator**

  
**(Dr. S. S. Wangikar)**  
**H.O.D., Mech. Engg.Dept.**  
**HEAD,**  
**Dept. of Mechanical Engg**  
**C.O.E. Pandharpur**

**SVERI's COLLEGE OF ENGINEERING PANDHARPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**A.Y. 2020-21 SEM:II**

**Online Certificate Course on "C for Everyone: Programming Fundamentals"**  
**CLASS: T. Y. (MECH) DIV: B**

**Student List**

Roll No.	Name of Student	Roll No.	Name of Student
TB01	Deshpande Samruddhi Rajendra	TB41	Yasar Yusuf Khatik
TB02	Ekatpure Prerana Shrirang	TB42	Sarak Kashiling Kalidas
TB03	Lale Arati Gajanan	TB43	Saravale Aniket Rajkumar
TB04	Mane Snehal Digambar	TB44	Shaikh Aftab Bashir
TB05	More Vaishali Dilip	TB45	Shaikh Salim Husen
TB06	Sonawane Dhanashree Bharat	TB46	Shinde Dipak Pandurang
TB07	Sarwade Karuna Sunil	TB47	Shinde Nanasaheb Siddheshwar
TB08	Surve Prajatka Dharmraj	TB48	Shinde Vishwajit Ashok
TB09	Bankar Adesh Gorakh	TB49	Shitole Dnyaneshawr Ganpat
TB10	Bansode Aniket Annaso	TB50	Ubale Harshvardhan Sudhir
TB11	Bapat Vinayak Vishnu	TB51	Taur Mohit Nagesh
TB12	Bhosale Hritik Ramesh	TB52	Kengar Sachin Uttam
TB13	Bhosale Vaibhav Rajendra	TB53	Langote Krishna S.
TB14	Deshmukh Pratik Pravin.	TB54	Vidhate Rohit Dattatraya
TB15	Dhotre Sourabh Sanjay	TB55	Wadekar Saurabh Ganesh
TB16	Dixit Manthan Milind	TB56	Ajgar Akash Prasad
TB17	Gaikwad Abhinay Rajendra	TB57	Autade Yogesh Samrut
TB18	Gavali Suraj Rajendra	TB58	Bagul Sandip Bhagwan
TB19	Waghmode Chetan Machchhindra	TB59	Bhandare Pranav Milind
TB20	Waghmode Dhondiram Madhu	TB60	Dhabade Avinash Basavraj
TB21	Kadam Nilesh Sanjay	TB61	Dhere Rupesh Ambrushi
TB22	Khote Abhijeet Sunil	TB62	Eakamalli Nitin Tatya
TB23	Kulkarni Atharv Makarand	TB63	Gaikwad Saurabh Shahaji
TB24	Londhe Vaibhav Anil	TB64	Gangthade Vishal Ankush
TB25	Madane Avinash Ajinath	TB65	Jadhav Sushant Bhausaheb
TB26	Mali Amol Vijay	TB66	Jagtap Omkar Chandrakant
TB27	Mashalkar Omkar Basavraj	TB67	Koli Akash Revappa
TB28	Metkari Om Damodar	TB68	Lavate Dashrath Pandurang
TB29	Mulani Aman Allauddin	TB69	Londhe Avinash Sandipan
TB30	Nagtilak Harshal Rajendra	TB70	Mane Akash Sambhaji
TB31	Nanaware Jaydev Dipak	TB71	Kale Onkar Mohon
TB32	Nikam Saurabh Sanjay	TB72	Deokar Shubham Bandu
TB33	Parmar Ridham Girish	TB73	Jagtap Vaibhav Sambhaji
TB34	Patil Madan Kalyan	TB74	Salgar Rohit Adinath
TB35	Patil Santosh Hanamant	TB75	Walujkar Hrushikesh Santosh
TB36	Patil Yogesh Kumar	TB76	Amit Mallhari Yele
TB37	Pawar Omkar Santosh	TB77	Patwari Sumit Chandrakant
TB38	Pawar Shubham Uttam	TB78	Patil Harshada Bhausaheb
TB39	Rai Hrishav Raj	TB79	Mali Sudarshan Ragunath
TB40	Rohit Dattatry Chatage	TB80	Khandare Nitinanad Manohar

*Shinde*  
 (Prof. A. A. Shinde)

Course Co-ordinator

*Wangkar*  
 (Dr. S. S. Wangkar)

H.O.D., Mech. Engg. Dept.

HEAD,

Dept. of Mechanical Engg

C.O.E. Pandharpur



## **Mechanical Engineering Department**

Online Certificate Course on “C for Everyone: Programming Fundamentals”

CLASS: T. Y. (MECH) DIV: A & B A.Y. 2020-21 SEM:II

## Attendance Record

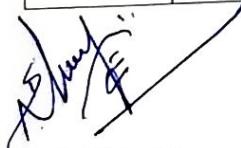






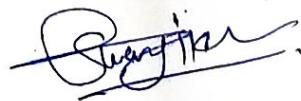
Roll No	Name of Student	Date	08/03/21	09/03/21	10/03/21	11/03/21	12/03/21	13/03/21	14/03/21	15/03/21
			M. No	1	2	3	4	5	6	7
TB52	Kengar Sachin Uttam		P	P	P	P	P	P	P	P
TB53	Langote Krishna S.		P	P	P	P	P	P	P	P
TB54	Vidhate Rohit Dattatraya		P	P	P	P	P	P	P	P
TB55	Wadekar Saurabh Ganesh		P	P	P	P	P	P	P	P
TB56	Ajgar Akash Prasad		A	P	P	P	P	P	P	P
TB57	Autade Yogesh Samrut		P	P	P	P	P	P	P	P
TB58	Bagul Sandip Bhagwan		P	P	P	P	P	P	P	P
TB59	Bhandare Pranav Milind		P	P	P	P	P	P	P	P
TB60	Dhabade Avinash Basavraj		P	P	P	P	P	P	P	P
TB61	Dhere Rupesh Ambrushi		P	P	P	P	P	P	A	P
TB62	Eakamalli Nitin Tatya		P	P	P	P	P	P	P	P
TB63	Gaikwad Saurabh Shahaji		P	P	P	P	P	P	P	P
TB64	Gangthade Vishal Ankush		P	P	P	P	P	P	P	P
TB65	Jadhav Sushant Bhausaheb		A	P	P	P	P	P	P	P
TB66	Jagtap Omkar Chandrakant		P	P	P	P	P	P	P	P
TB67	Koli Akash Revappa		P	P	P	P	P	P	P	P
TB68	Lavate Dashrath Pandurang		P	P	P	P	P	P	P	P
TB69	Londhe Avinash Sandipan		P	P	P	P	P	P	P	P
TB70	Mane Akash Sambhaji		P	P	P	P	P	P	P	P
TB71	Kale Onkar Mohon		P	P	P	P	P	P	P	P
TB72	Deokar Shubham Bandu		P	P	P	P	P	P	P	P
TB73	Jagtap Vaibhav Sambhaji		P	P	P	P	P	P	P	P
TB74	Salgar Rohit Adinath		P	P	P	P	P	P	A	P
TB75	Walujkar Hrushikesh Santosh		P	P	P	P	P	P	P	P
TB76	Amit Mallhari Yele		P	P	P	P	P	P	P	P
TB77	Patwari Sumit Chandrakant		P	P	P	P	P	P	P	P
TB78	/Patil Harshada Bhausaheb		P	P	P	P	P	P	P	P
TB79	Mali Sudarshan Ragunath		P	P	P	P	P	P	A	P
TB80	Khandare Nitinanad Manohar		P	P	P	P	P	P	P	P

(Prof. A. A. Shinde)  
Course Coordinator



(Dr. S. S. Wangikar)  
HOD, Mech. Engg. Dept.

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**DEPARTMENT OF MECHANICAL ENGINEERING**

**Online Certificate Course on  
C for Everyone: Programming Fundamentals**

**A.Y. 2020-21 SEM: II**

**CLASS: T. Y. (MECH) DIV: A & B**

**Course Duration: - 8<sup>th</sup> March 2021 to 15<sup>th</sup> March 2021**

**Assessment Procedure:**

- **Eligibility Criterion:** A participant who will attend 75 % sessions will be eligible for Final Test.
- **Final Test:** Performance of participant will be assessed on the basis of passing in the Final Test with at least 50% marks.
- Only those participants who meet the passing standard for the assessment will be awarded the certificate.

**(Prof. A. A. Shinde)**  
**Course Coordinator**

**(Dr. S. S. Wangikar)**  
**Head, Mech. Engg. Dept**

**HEAD,**  
**Dept. of Mechanical Engg.,**  
**C.O.E: Pandharpur**



Shri Vithal Education & Research Institute's

## College of Engineering, Pandharpur

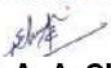
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### Department of Mechanical Engineering

#### *Certificate of Participation*

*This is to certify that*

**Mr. Chavan Samarth Suresh** of SVERI's College of Engineering, Pandharpur has participated and successfully completed Eight Days Online Certificate Course on "C for Everyone: Programming Fundamentals" from March 08, 2021 to March 15, 2021 Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
Prof. A. A. Shinde  
Co-ordinator

  
Dr. S. S. Wangikar  
Head, Mech. Engg. Dept.

  
Prof. Dr. B. P. Ronge  
Principal



Shri Vithal Education & Research Institute's

## College of Engineering, Pandharpur

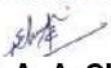
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### Department of Mechanical Engineering

#### *Certificate of Participation*

*This is to certify that*

**Mr. Gadekar Yash Yuvraj** of SVERI's College of Engineering, Pandharpur has participated and successfully completed Eight Days Online Certificate Course on "C for Everyone: Programming Fundamentals" from March 08, 2021 to March 15, 2021 Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
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Principal



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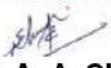
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### Department of Mechanical Engineering

#### Certificate of Participation

*This is to certify that*

**Ms. Lakheri Vaishnavi Mahesh** of SVERI's College of Engineering, Pandharpur has participated and successfully completed Eight Days Online Certificate Course on "C for Everyone: Programming Fundamentals" from March 08, 2021 to March 15, 2021 Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
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## College of Engineering, Pandharpur

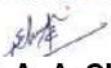
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### Department of Mechanical Engineering

#### Certificate of Participation

*This is to certify that*

Mr. Kshirsagar Sachin Ashok of SVERI's College of Engineering, Pandharpur has participated and successfully completed Eight Days Online Certificate Course on "C for Everyone: Programming Fundamentals" from March 08, 2021 to March 15, 2021 Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
Prof. A. A. Shinde  
Co-ordinator

  
Dr. S. S. Wangikar  
Head, Mech. Engg. Dept.

  
Prof. Dr. B. P. Ronge  
Principal



Shri Vithal Education & Research Institute's

## College of Engineering, Pandharpur

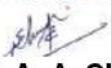
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### Department of Mechanical Engineering

#### *Certificate of Participation*

*This is to certify that*

**Ms. Parvat Namrata Raju** of SVERI's College of Engineering, Pandharpur has participated and successfully completed Eight Days Online Certificate Course on "C for Everyone: Programming Fundamentals" from March 08, 2021 to March 15, 2021 Organized by Department of Mechanical Engineering, SVERI's College of Engineering, Pandharpur, Maharashtra.

  
Prof. A. A. Shinde  
Co-ordinator

  
Dr. S. S. Wangikar  
Head, Mech. Engg. Dept.

  
Prof. Dr. B. P. Ronge  
Principal

**SVERI's  
College of Engineering, Pandharpur  
Electronics & Telecommunication Engineering**

**Certificate Course  
on  
Advanced C++ Programming  
Duration-1<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021  
Class: SE  
A.Y.: 2020-2021**



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P.B. No. 54, Gopalpur -Ranjanji Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

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## REPORT

Department of Electronics and Telecommunication Engineering has organized Certification Course on " Advanced C++ Programming " from 1<sup>st</sup> February to 08<sup>th</sup> February 2021". The Recourse Person for this Certificate Course was Mr.H K Bhaldar from SVERI'S COE,Pandharpur. During Training, Total 104 students were attended this course and students have cleared the Basics of C & C++, C++ Programming and Hands on practical Sessions have been conducted on Programming Languages. Faculty Members from E&TC Department worked actively for successful completion of certificate course.

**Course Outcome for this course are:**

1. Students got Knowledge on Programming.
2. Students Worked on coding part on Software.

Thanking You,

Yours faithfully,

(Prof. S. A Atole)  
Program Coordinator

(Dr. Mrs. M. M Pawar)  
Head, ENTC Engg. Dept.  
**Head**  
Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur



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ISO 9001:2015  
CERTIFIED



Date: 31/01/2021

### Department of Electronics & Telecommunication Engineering

#### NOTICE

All the students of Second Year (E&TC Engineering) are informed to note that, it is compulsory for students of Second Year to complete Add-on course for A.Y.2020-2021. Accordingly, Department of E&TC Engineering has organized **Add on Course on 'ADVANCED C++ Programming ' from 1<sup>st</sup> February 2021 to 08<sup>th</sup> February 2021.**

Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination.

All the concerned should take note and act accordingly.

(Prof. S. A. Atole)  
Program Coordinator

(Dr. Mrs M.M Pawar)  
Head, E&TC. Engg. Dept.

#### **Head**

**Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur**

## CONTACT US

1. Ms. N P Kulkarni  
(84470465498)
2. Ms. S A Atole  
(8999264797)
3. Mr. S A Inamdar  
(8668460038)

**Academic Year: 2020-21**

**Duration**  
**01<sup>st</sup> February 2021 to 08<sup>th</sup>**  
**February 2021**

**Mode of Conduct: Online**

**Zoom Link**

<https://zoom.us/j/92537508861?pwd=Qzg1OWkvTHNXRG10RytUajRaWIY0dz09>



### Training on Advanced C++ Programming

Recent years have witnessed a great deal of interest from both academia and industry in the field of antenna. In fact, this research topic tops the pyramid of research priorities requested by many national research agencies. So our department is providing the services for those researchers who are working in this field. Department is having Microwave Engineering Laboratory with well-equipped facilities. This is a good opportunity for researchers who are working on antenna to take benefit of this lab.

### RESOURCE PERSON

**Mr.H K Bhaldar**

**SVERI'S COE,Pandharpur**



**SVERI'S COLLEGE OF  
ENGINEERING PANDHARPUR**

### Department of Electronics and Telecommunication



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Engineers (India)**  
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P.A.H. Solapur University, Solapur, P.B. No. 54,  
Gopalpur - Ranjani Road, Gopalpur, Pandharpur- 413  
304, District: Solapur (Maharashtra)  
Email Id: coe@sveri.ac.in

### ABOUT US

Pandharpur is well known holy place where Lord Shri Vithal Temple is located on bank of the river Chandrabhaga. It is recognized as spiritual capital of Maharashtra and popularly known as "South Kashi" of India. Shri Vithal Education and Research Institute (SVERI), a charitable trust formed by devoted technocrats, established its first Project, the SVERI's College of Engineering, Pandharpur in 1998. The Department of Electronics & Telecommunication Engineering was established in the year 1998. The department has 27 Qualified and Dedicated Faculty Members with the specialization with various areas. Department of E&TC have UG (Intake-120), PG (Intake-18) and Ph.D. programs. Department has 10 well equipped labs



Ref. No.: COEPR/E&TC/2020-2021

Date:-27/01/2021

## OFFICE ORDER

As per the Instruction from Head of the Department , following committee has been constituted for Design and Development of Curriculum for **Add on Course 'Advanced C++ Programming'** for S.Y. B.Tech. (E&TC Engineering) Semester-II of Academic Year: 2020-2021.

Sr. No.	Name of Faculty Member	Particular
1.	Mr.H K Bhaldar	Resource Person
2.	Prof. N P Kulkarni	Member
3.	Prof. S A Atole	Member

The above members are requested to design the curriculum for the said Add on Course and submit final copy of the curriculum to the undersigned on or before 30/01/2021.

Please take a note of the same and act accordingly.

**(Dr.Mrs.M.M. Pawar)**  
**Head, E&TC. Engg. Dept.**  
**Head**

Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur

**Copy to:**

1. Mr.H K Bhaldar
2. Prof. N P Kulkarni
3. Prof. S A Atole
4. Principal
5. Dean Academics
6. Registrar
7. Office copy



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ISO 9001:2015



## Advanced C++ Programming Syllabus

### Section 1 - Templates

- Template Functions and Classes
  - Instantiation
  - Overloading
  - Specialization
- Working with Templates
  - Member Templates
  - Using export
- STL (Standard Template Library)
  - Containers and Iterators
  - Algorithms

### Section 2 - Exception Handling

- Using Exceptions
  - Exception Formats
  - Exception Specifications
  - Unexpected Exceptions
  - Uncaught Exceptions
- Designing with Exceptions
  - Exception Hierarchies
  - Discrimination
  - Using auto\_ptr
  - Exceptions thrown from Constructors
  - Exceptions thrown from Destructors
  - Resource Management

### Section 3 - Class Design

- Class Design Topics
  - Mutable Data Members
  - Using explicit with Constructors
  - Member Initialization
- Class Design Boilerplate
  - Copy Initialization and Assignment
  - Modifiers and Selectors
  - Clone Functions
- Composite Templates

### Section 4 - Object Storage Management

- New and Delete Formats
  - Nothrow Operator new
  - Placement Formats
  - Explicit Destructor Calls
- Class Specific New and Delete
  - Overriding Global Operators
  - Memory Pools
- Reference Counts
  - Design Approach
  - Implementation
  - Copy-on-writes
  - Modifying Existing Classes

## **Section 5 - RTTI (Run Time Type Identification)**

- Why RTTI?
  - Implications for Class Library Design
  - Controlling Object Behaviors
- RTTI Operators
  - `dynamic_cast`
  - `typeid`
  - `type_info` Class

## **Section 6 - Multiple Inheritance**

- Design Concepts
  - Member Initialization
  - Ambiguities
- Multiple Inheritance Patterns
  - Distinct Bases
  - Multiple Inclusion
  - Virtual Bases

## **Section 7 - Working with C++**

- Namespaces
  - Namespace Definitions
  - Unnamed Namespaces
  - Using Directives
  - Using Declarations
  - Namespace Aliases
- C++ Techniques
  - Objects as Return Values
  - Eliminating Temporaries
  - Virtual Constructors
  - Smart Pointers
  - Lvalue and Rvalue Separation

~~Dr. Atole~~  
(Prof. S. A. Atole)

Program Coordinator

  
(Dr. Mrs. M. M. Pawar)  
Head, ENTC Engg. Dept.

**Head**  
**Dept. of Electronics & Telecomm.**  
Engg. SVERI'S C.O.E. Pandharpur



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Schedule for Certificate course on Advanced C++ Programming

Day wise Schedule from 01/02/2021 to 08/02/2021

Sr. No.	Day & Date	Time	Contents
1	Monday 01/02/2021	11.00 am to 1.00 pm	Template Functions and Classes Instantiation, Overloading, Specialization
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	STL (Standard Template Library), Containers and Iterators, Algorithms
2	Tuesday 02/02/2021	11.00 am to 1.00 pm	Exception Formats, Exception Specifications Unexpected Exceptions, Uncaught Exceptions
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Practical Session
3	Wednesday 03/02/2021	11.00 am to 1.00 pm	Class Design Topics, Mutable Data Members, Using explicit with Constructors, Member Initialization
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Class Design Boilerplate, Copy Initialization and Assignment, Modifiers and Selectors, Clone Functions
4	Thursday 04/02/2021	11.00 am to 1.00 pm	New and Delete Formats, Nothrow Operator new Placement Formats, Explicit Destructor Calls
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Design Approach, Implementation, Copy-on-writes Modifying Existing Classes
5	Friday 05/02/2021	11.00 am to 1.00 pm	Working with C++, Namespace Definitions Unnamed Namespaces, Using Directives Using Declarations, Namespace Aliases
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Practical Session
6	Saturday 06/02/2021	11.00 am to 1.00 pm	C++ Techniques, Objects as Return Values, Eliminating Temporaries, Virtual Constructors, Smart Pointers Lvalue and Rvalue Separation
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Practical Session
7	Sunday 07/02/2021	11.00 am to 1.00 pm	Implications for Class Library Design Controlling Object Behaviors
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Practical Session
8	Monday 08/02/2021	11.00 am to 1.00 pm	dynamic_cast typeid type_info Class
			01.00 pm -2.00pm Lunch Break
		2.00 pm to 4.00 pm	Practical Session

(Prof. S. A. Atole)

Program Coordinator

(Dr. Mrs. M. M. Pawar)

Head, ENTC Engg. Dept.

**Head**  
Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur



**Department of Electronics And Telecommunication Engineering**  
**List of Students Enrolled for Certificate Course on "Advanced C++ Programming"**  
**Duration: 01-02-2021 to 08-02-2021**  
**Roll Call List**

Sr. No.	Name of Student
1	Chavan Vaishnavi Sudhir
2	Devdikar Janhavi Ajit
3	Dhekane Rutuja Hanumant
4	Swami Himani Anand
5	Badake Shubham Satish
6	Lendave Sayali Shivaji
7	Karande Sunil Shamrao
8	Narsale Sudarshan Balasaheb
9	Pol Rushikesh Uttam
10	Patane Aishwarya Ravaheb
11	Phalphale Madhura Sunil
12	Swati Rasal Arvind
13	Surwase Sudarshan Shatrujan
14	Waghmode Pratyush Dinesh
15	Atkale Shivani Ramdas
16	Bansode Ankita Annasaheb
17	Fulpati Shrinath Ashok
18	Kavade Ganesh Dadarao
19	Nimbalkar Shivraj Narayan
20	Sawant Kajal Tukaram
21	Thorat Komal Satyawan
22	Pawar Suhas Sanjay
23	Sherkhane Shubham Atul
24	Thorat Sagar Navnath
25	Bandgar Aarti Kishor
26	Deshmukh Vaishnavi S
27	Gophane Amol Mahadev
28	Jadhav Akanksha Anil
29	Katare Aniket Suhas
30	Sonar Trupti Govind
31	Nagane Somnath Macchindra
32	Langote Aniket Sunil
33	Joshi Gayatri Jayawant
34	Bhosale Vishvatej Hanumant
35	Deshmukh Mahesh Sunil
36	Joshi Sanchit Govind
37	Patil Aditi Devidas
38	Shelake Rutuja Sanjay
39	Shinde Chaitali Vikram
40	Koli Krishna Mahadev
41	Umbarkar Shripad Nishikant
42	Gaikwad Sumedh Sanjaykumar
43	Kashid Aditya Bibhishan
44	Kashid Laxman Dadasaheb
45	Kharat Pranav Madhav
46	Mali Ruturaj Anil
47	Rupanar Ganesh Nilappa
48	Bhinge Srushti Rajendra

Ms. S A Atole  
 Program Coordinator

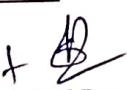
Dr. Mrs. M M Pawar  
 HoD ENTC

**Head**

Dept. of Electronics & Telecomm.  
 Engg. SVERI'S C.O.E. Pandharpur

49	Nikam Sonal Arun
50	Patil Meenakshi Bramhanand
51	Yadav Pratiksha Ashok
52	Masal Vaibhav Chandrakant
53	Zingade Omkar Ankush
54	More Ashavini Dhanaji
55	Waghmode Pratik Balbhim
56	Mane Rutuja Suryankant
57	Walke Vaishnavi Digmbar
58	Patil Sagar Ashok
59	Sathe Abhishek Jaysing
60	Mali Samruddhi Suresh
61	Rohini Bhandare Baban
62	Shriram Murlikrishna Sanjeev
63	Shinde Vedant Dasharath
64	Umate Suhas Shirish
65	Unhale Saguna Ashok
66	Arekar Shivani Hanumant
67	Babar Megha Dinkar
68	Bhadrashetti Sanjana Shrishail
69	Bharma Sakshitai Shivsharan
70	Das Dnyneswari Balasaheb
71	Devkule Aishwarya Appa
72	Jagdale Srishti Satyawan
73	Jagtap Rohini Nagnath
74	Kambale Prajaka Pramod
75	Kate Sonali Sunil
76	Kote Supriya Jakappa
77	Kulkarni Shreya Dipak
78	Lendave Priyanka Balaso
79	Lokare Amruta Rajabhai
80	Lokhande Pooja Krushna
81	Lokhande Smita Uttareshwar
82	Mhamane Minal Shrikant
83	Muluk Roopam Revannath
84	Nagargoje Vaishali Kundlik
85	Nipase Shweta Rajabhai
86	Ronge Pratiksha Raghunath
87	Sanadi Ankita Suresh
88	Shefali Ajay Gaddam
89	Suryawanshi Pratibha Prasad
90	Swami Vaishnavi Vidyadhar
91	Bhosale Vijay Maruti
92	Chabukswar Amar Shrishail
93	Chavan Audumbar Kanifnath
94	Ghadage Ramvijay Popatrao
95	Jadhav Rahul Shivaji
96	Kale Sandesh Subhash
97	Madgyal Omkar Ashok
98	Nikhil M Bhosale
99	Parbat Shubham Navnath
100	Patil Shubham Mahadeo
101	Rajput Rahul Laxmansing
102	Sarvade Prabhu Ambadas
103	Savant Sagar Kalyandas
104	Shripuram Mahendra Madhu

  
 Ms. S. A. Atole  
 Program Coordinator

  
 Dr. Mrs. M. M. Pawar  
 HoD ENT  
**Head**  
 Dept. of Electronics & Telecomm.  
 Engg. SVERI'S C.O.E. Pandharpur

**Department Of Electronics And Telecommunication Engineering**  
**List of Students Enrolled for Certificate Course on "Advanced C++ Programming"**  
**Duration: 01-02-2021 to 08-02-21**

**Attendance Sheet**

Sr. No.	Student Name	Class	Course Name	Course Duration (In Hours)	Mode	Start Date	End Date
1	Chavan Vaishnavi Sudhir	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
2	Devdikar Janhavi Ajit	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
3	Dhekane Rutuja Hanumant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
4	Swami Himani Anand	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
5	Badake Shubham Satish	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
6	Lendave Sayali Shivaji	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
7	Karande Sunil Shamrao	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
8	Narsale Sudarshan Balasaheb	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
9	Pol Rushikesh Uttam	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
10	Patane Aishwarya Ravaheb	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
11	Phalphale Madhura Sunil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
12	Swati Rasal Arvind	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
13	Surwase Sudarshan Shatrughan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
14	Waghmode Pratyush Dinesh	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
15	Atkale Shivani Ramdas	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
16	Bansode Ankita Annasaheb	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
17	Fulpati Shrinath Ashok	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
18	Kavade Ganesh Dadarao	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
19	Nimbalkar Shivraj Narayan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
20	Sawani Kajal Tukaram	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
21	Thorat Komal Satyawan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
22	Pawar Suhas Sanjay	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
23	Sherkhane Shubham Atul	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
24	Thorat Sagar Navnath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
25	Bandgar Aarti Kishor	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
26	Deshmukh Vaishnavi S	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
27	Gophane Amol Mahadev	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
28	Jadhav Akanksha Anil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
29	Katre Aniket Suhas	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
30	Sonar Trupti Govind	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
31	Nagane Somnath Macchindra	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
32	Langote Aniket Sunil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
33	Joshi Gayatri Jayawant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
34	Bhosale Vishvatej Hanumant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
35	Deshmukh Mahesh Sunil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
36	Joshi Sanchit Govind	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
37	Patil Aditi Devidas	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
38	Shelake Rutuja Sanjay	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
39	Shinde Chaitali Vikram	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
40	Koli Krishna Mahadev	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
41	Umbarkar Shripad Nishikant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
42	Gaikwad Sumedh Sanjaykumar	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
43	Kashid Aditya Bibhishan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
44	Kashid Laxman Dadasaheb	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
45	Kharat Pranav Madhav	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
46	Mali Ruturaj Anil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
47	Rupanar Ganesh Nilappa	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
48	Bhinge Srushti Rajendra	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
49	Nikam Sonal Arun	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
50	Patil Meenakshi Bramhanand	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
51	Yadav Pratiksha Ashok	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021

Ms. S A Atole  
Program Coordinator

Dr. Mrs. M M Pawar  
HoD ENTC  
**Head**

Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur

52	Kadam Sumil Tanaji	SECOND YEAR	Java standrad edition	100	Online	01-02-2021	08-02-2021
53	Zingade Omkar Ankush	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
54	More Ashavini Dhanaji	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
55	Waghmode Pratik Balbhim	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
56	Mane Rutuja Suryankant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
57	Walke Vaishnavi Digmbar	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
58	Patil Sagar Ashok	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
59	Sathe Abhishek Jaysing	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
60	Mali Samruddhi Suresh	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
61	Rohini Bhandare Bahan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
62	Shriram Murlikrishna Sanjeev	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
63	Shinde Vedant Dasharath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
64	Umate Suhas Shirish	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
65	Unhale Saguna Ashok	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
66	Arekar Shivani Hanuman	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
67	Babar Megha Dinkar	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
68	Bhadrashteti Sanjana Shrishail	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
69	Bharama Sakshitai Shivsharan	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
70	Das Dnyaneshwar Balasaheb	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
71	Devkule Aishwarya Appa	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
72	Jagdale Srishti Satyawati	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
73	Jagtap Rohini Nagnath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
74	Kambale Prajakta Pramod	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
75	Kate Sonali Sunil	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
76	Kote Supriya Jakappa	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
77	Kulkarni Shreya Dipak	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
78	Lendave Priyanka Balaso	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
79	Lokare Amruta Rajabhai	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
80	Lokhande Pooja Krushna	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
81	Lokhande Smita Uttareshwar	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
82	Mhamane Minal Shrikant	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
83	Muluk Roopam Revannath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
84	Nagargoje Vaishali Kundlik	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
85	Nipase Shweta Rajabhai	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
86	Ronge Pratiksha Raghunath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
87	Sanadi Ankita Suresh	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
88	Shefali Ajay Gaddam	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
89	Suryawanshi Pratibha Prasad	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
90	Swami Vaishnavi Vidyadhar	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
91	Bhosale Vijay Maruti	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
92	Chabukswar Amar Shrishail	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
93	Chavan Audumbar Kaninath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
94	Ghadage Ramvijay Popatrao	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
95	Jadhav Rahul Shivaji	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
96	Kale Sandesh Subhash	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
97	Madgyal Omkar Ashok	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
98	Nikhil M Bhosale	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
99	Parbat Shubham Navnath	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
100	Patil Shubham Mahadeo	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
101	Rajput Rahul Laxmansing	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
102	Sarvade Prabhu Ambadas	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
103	Savant Sagar Kalyandas	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021
104	Shripuram Mahendra Madhu	SECOND YEAR	Advanced C++ Programming	32	Online	01-02-2021	08-02-2021

Ms. S A Atole  
Program Coordinator

Dr.Mrs.M M Pawar  
HoD ENTC

Head  
Dept. of Electronics & Telecomm.  
Engg. SVERI'S C.O.E. Pandharpur



# Shri Vithal Education and Research Institute's College of Engineering, Pandharpur

NBA Accredited all Eligible UG Programmes and NAAC Accredited Institute,  
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Certified Institute



## Department of Electronics & Telecommunication Engineering

### *Certificate of Participation*

This is to certify that **Ms. Chavan Vaishnavi Sudhir** has participated and Completed Certificate Course on “**Advanced C++ Programming**”, organized by **Department of Electronics & Telecommunication Engineering**, SVERI’s College of Engineering, Pandharpur from **01<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021**.

Coordinator

HOD

Principal



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## Department of Electronics & Telecommunication Engineering

### *Certificate of Participation*

This is to certify that **Ms. Devdikar Janhavi Ajit** has participated and Completed Certificate Course on “**Advanced C++ Programming**”, organized by **Department of Electronics & Telecommunication Engineering**, SVERI’s College of Engineering, Pandharpur from **01<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021**.

Coordinator

HOD

Principal



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## Department of Electronics & Telecommunication Engineering

### *Certificate of Participation*

This is to certify that **Ms. Dhekane Rutuja Hanumant** has participated and Completed Certificate Course on “**Advanced C++ Programming**”, organized by **Department of Electronics & Telecommunication Engineering**, SVERI’s College of Engineering, Pandharpur from **01<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021**.

Coordinator

HOD

Principal



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## Department of Electronics & Telecommunication Engineering

### *Certificate of Participation*

This is to certify that **Ms. Swami Himani Anand** has participated and Completed Certificate Course on “**Advanced C++ Programming**”, organized by **Department of Electronics & Telecommunication Engineering**, SVERI’s College of Engineering, Pandharpur from **01<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021**.

Coordinator

HOD

Principal



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## Department of Electronics & Telecommunication Engineering

### *Certificate of Participation*

This is to certify that **Mr. Badake Shubham Satish** has participated and Completed Certificate Course on “**Advanced C++ Programming**”, organized by **Department of Electronics & Telecommunication Engineering**, SVERI’s College of Engineering, Pandharpur from **01<sup>st</sup> February 2021 to 8<sup>th</sup> February 2021**.

Coordinator

HOD

Principal

**SVERI's  
College of Engineering, Pandharpur  
CIVIL Engineering Department**

**Online Certificate  
Course on  
Hands on experience on  
RCC Structure Design by  
using STAAD-PRO  
software**

**Duration- 15/03/2021 to 23/03/2021**

**Class: B.E.-I**

**A.Y.: 2020-2021**



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's  
**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal. - Pandharpur- 413 304, Dist. - Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to P. A. H. Solapur University, Solapur)

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ISO 9001:2015



## Department of Civil Engineering

### One page Report

The Department of civil Engineering conducted a certificate course on "**Hands-on experience on RCC Structure Design by using STAAD-PRO software**" from **15<sup>th</sup> March 2021 to 23<sup>rd</sup> March 2021**. In this Online certificate course the student got the detail knowledge about comprehensive workflow and software product that helps a variety of professionals work together, such as designers, construction professionals, architects and builders. The software provides sophisticated ways to create models of real-world structures and buildings. Total 74 students of L.E. civil participated in this certificate course. All the faculty members from civil department worked actively for the successful completion of certificate course. The Course outcomes for this course are

- 1) Student got the knowledge about which is the new opportunity available for business in construction sector.
- 2) Student understood the Applications of STAAD-PRO software.

(Prof. S. A. Gosavi)  
Program Coordinator

( Dr. P. M. Pawar )  
HEAD,  
Dept. of Civil. Engg.  
C.O.E. Pandharpur



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Tel.: 02186-216063, 9503103757, E-mail : [coec@sveri.ac.in](mailto:coec@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

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ISO 9001:2015



## Department of Civil Engineering

Date: 08/03/2021

### NOTICE

All the students of L.Y. B. Tech. (Civil Engineering) are informed to note that, Department of Civil Engineering has organized **Online Add on Course on "Hands-on experience on RCC Structure Design by using STAAD-PRO software"** from **15<sup>th</sup> March 2021 to 23<sup>rd</sup> March 2021**.

Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination. All the concerned should take note and act accordingly.

(Prof. S. A. Gosavi)  
Program Coordinator

(Dr. P. M. Pawar)  
Head, Civil Engg. Dept.

HEAD,  
Dept. of Civil. Engg.  
C.O.E. Pandharpur

*Online Certificate Course on*  
***“Hands on experience on RCC structure by using STAAD-PRO software”***

15<sup>th</sup> March– 23<sup>th</sup> March 2021



*In Collaboration With*  
***Sarthak Construction***

**Organized by**  
**Department of Civil Engineering**  
**SVERI's College of Engineering,**  
**Pandharpur**

Approved by AICTE, New Delhi; NBA Accredited for all eligible UG Programs; Accredited by NAAC;IEI, Kolkata& TCS, Pune. Also

Certified by ISO 9001:2015. Affiliated to P. A. H. Solapur University, Solapur.

P.B. No. 54, Gopalpur-Ranjanji Road, Gopalpur, Pandharpur-413304,  
Dist.-Solapur, (Maharashtra) - India

#### **About the Institute**

Pandharpur is well known holy place for Lord Shri Vithal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as ‘South Kashi’ of India. Shri Vithal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998, Approved by AICTE, New Delhi, all eligible UG Programs are NBA Accredited, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

#### **About the Department**

The Department of Civil Engineering was established in 2008. The Department offers UG (Intake-120), PG (Intake-18), and PhD Programmes. The UG program has been accredited by NBA three times. Currently, NBA accreditation is extended up to 2023. The Department has well qualified & dedicated faculty members. Civil Engineering Department is known for its high academic standard, well-maintained discipline & excellent infrastructure facilities along with the state-of-the-art laboratories. In addition to this, there are research laboratories like Concrete Technology, Geotechnical Engineering, Non-destructive Testing, Fluid Mechanics etc. along with CAD/STAAD pro/ETabs Software.

#### **Course Overview**

The purpose of this training is to provide insight on advancement and research opportunities in various field of civil engineering. The eminent personalities of construction field will accumulate at one platform to discuss the various aspects during this training. Participants will receive a great aid to learn emerging technologies and thrust areas in civil

## Resource Persons

1	Dr. P. M. Pawar	RCC, Steel Precast, Special Structure
2	Dr. M. G. Deshmukh	Analysis and Design of Foundation
3	Dr. Mrs. S. S. Patil	Behaviour of Connections in Cold Formed Steel (CFS) Sections
4	Prof. M. M. Pawar	Concrete technology and Sustainable Material
5	Mr. A. B. Kokare	Reliability Analysis and Reassessment of Structures
6	Mr. S. A. Gosavi	Concrete Durability
7	Mr. B.M. Malagimani	Behaviour of Reinforced and Pre-stressed Concrete Member
8	Mrs. S. P. Patil	High Performance Concrete
9	Mr. P. B. Bhaganagare	Behaviour of High Strength Steel Sections
10	Mrs. S. C. Bagal	Numerical Modelling and Optimization Techniques

## Training Schedule

Session 1	10.00 am to 12.00 pm
Recess	12.00 pm to 1.00 pm
Session 2	1.00 pm to 3.00 pm

### CHIEF PATRON

Prof. Dr. B. P. Ronge  
Founder Secretary, SVERI &  
Principal, SVERI's College of Engineering,  
Pandharpur

### ADVISORY BOARD

Prof. Suraj B. Ronge (Trustee Member)  
Prof. M. M. Pawar (Campus In-Charge)  
Dr. P. M. Pawar (Dean, Academics)  
Prof. S. R. Gavali (Dean, Administration)  
Dr. R. R. Gidde (Dean, R & D)  
Prof. K. B. Patil (Dean, Students')  
Prof. A. A. Mote (Dean, P&CA)  
Prof. A. A. Jadhav (Dean, T&AA)  
Dr. D. S. Chaudhari (Dean, APP)

### CONVENOR

Dr. P. M. Pawar  
Professor and Head,  
Civil Engineering Department

### COORDINATORS

Dr. S. A. Gosavi 9146367210  
[sagosavi@coe.sveri.ac.in](mailto:sagosavi@coe.sveri.ac.in)

### ORGANIZING COMMITTEE

Mr. P. B. Bhaganagare  
Mrs. S.P. Patil

### WHAT IS STAAD.PRO?

STAAD is a popular structural analysis application known for analysis, diverse applications of use, interoperability, and time-saving capabilities. STAAD helps structural engineers perform 3D structural analysis and design for both steel and concrete structures.

A physical model created in the structural design software can be transformed into an analytical model for structural analysis. Many design code standards are incorporated into STAAD to make sure that the structural design complies with local regulations.



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S  
COLLEGE OF ENGINEERING, PANDHARPUR.

Department of Civil Engineering

**Schedule for Add on course "Hands on experience on RCC structure by using STAAD-PRO software"**

**Day wise Schedule from 15/03/2021 to 23/03/2021**

Date	Time/Day	10:00 to 12:00	12:00 to 01:00	01:00-03:00
15/03/2021	Day 1	Introduction, User interface	Recess	Defining nodes, Drawing the beam
16/03/2021	Day 2	Defining Loads, Analysing the beam		Deflection, Shear force and bending moment diagrams
17/03/2021	Day 3	Using structure wizard		Concrete Framed Structure
18/03/2021	Day 4	Modeling and Analysis of a Slab		Design of simply supported RCC beam
19/03/2021	Day 5	Design of cantilever RCC beam		Design of continuous RCC beam
20/03/2021	Day 6	Design of simply supported Steel beam		Design of continuous Steel beam
21/03/2021	Day 7	Design of RCC portal frames		Design of RCC columns
22/03/2021	Day 8	Design of Steel columns		Design different components of structures
23/03/2021	Day 9	Design of steel portal frames.		Design of RCC structure

Prof. S. A. Gosavi  
Program Coordinator

Dr. P M Pawar  
HOD  
HEAD,  
Dept. of Civil. Engg.  
C.O.E. Pandharpur



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Ref. No.: COEPR/CIVIL/2020-2021

Date:-01/03/2021

## OFFICE ORDER

Following faculty members have been appointed for Design and Development of Curriculum for Add on Course 'Hands-on experience on RCC structure by using STAAD-PRO software' for L.Y. B.Tech.-A (Civil Engineering) Semester-I of Academic Year: 2020-2021.

Sr. No.	Name of Faculty Member	Subject
1.	Prof. S. A. Gosavi	Chairman
2.	Prof. P. B. Bhaganagare	Member
3.	Prof. S. P. Patil	Member

The above faculty members are requested to design the curriculum for the said Add on Course and submit final copy of the curriculum to the undersigned on or before 13/03/2021.

Please take a note of the same and act accordingly.

**(Dr. P. M. Pawar)**  
**Head, Civil Engg. Dept.**

**Copy to:**

1. Prof. S. A. Gosavi
2. Prof. P. B. Bhaganagare
3. Prof. S. P. Patil
4. Principal
5. Dean Academics
6. Registrar
7. Office copy

**HEAD,**  
**Dept. of Civil. Engg.**  
**S.C.E. Pandharpur**



SHRI VITTHAL EDUCATION & RESEARCH INSTITUTE'S  
**COLLEGE OF ENGINEERING, PANDHARPUR.**

Academic Year 2020-21

Department of Civil Engineering

SEM-I

Class-BE

List of Students

Roll No.	NAME OF STUDENT	Roll No.	NAME OF STUDENT
B-1	/BENARE SHIVANI VIVEK	B-38	GORE AMIT SAJJAN
B-2	/BODAKE SANJIVANI SAMBHAIJI	B-39	GURAV SATYAJEET BHARATRAO
B-3	/CHAVAN ROHINI RAMCHANDRA	B-40	JADHAV AJIT ANNA
B-4	/DESHMUKH PRANJALI SATISH	B-41	JAYKAR SAJAN ANIL
B-5	/GADADE AMRUTA AUDUMBAR	B-42	KALE PRAMOD BIRUDEV
B-6	/GAIKWAD MAYURI PRATAP	B-43	KAMBLE MANTHAN LAXMAN
B-7	/GAIKWAD SHRUSTI	B-44	MORE SATYAWAN TUKARAM
B-8	/JADHAV ASMITA SANJAY	B-45	MULLA SAQIB SAJID
B-9	/JADHAVAR AISHWARYA DINKAR	B-46	Shinde Sushant Ramesh
B-10	/KAMBLE DNYANESHWARI KRUSHNA	B-47	CHABUKSWAR MAHESH DAREPPA
B-11	/KECHE ANJALI DATTATRAY	B-48	NAGANE RANJEET RAOSAHEB
B-12	/KEMKAR SAYALI VISHWANATH	B-49	PADOLE DIGAMBAR CHANDRAHARSHA
B-13	/KHUNE POOJA BALASAHEB	B-50	PAWAR PRAVIN RAGHUNATHRAO
B-14	/LANGOTE SHWETA ASHOK	B-51	PUJARI PRAFULL PRASHANT
B-15	/MADANE GEETANJALI DATT	B-52	RAUT HARSHAD DATTATRAY
B-16	/NAGTILAK PRANALI KAMLAKAR	B-53	RONGE KAPIL BHIMRAO
B-17	/PARSE KAVITA BHIMA	B-54	SHAIKH AMIR SHILAVAR
B-18	/PAWAR RUTUJA BHASKAR	B-55	SHINDE SHUBHAM HARI
B-19	/VAYADANDE MANISHA BHAUSAHEB	B-56	SHIVPUJE SURAJ SUNIL
B-20	/LAWATE AHILYABAI MOHAN	B-57	SURWASE AJINKYA ANAND
B-21	/MALAVE AMRUTA NAGESH	B-58	TARANGE VIJAYKUMAR SHAM
B-22	/SARODE PRAJAKTA BABASAHEB	B-59	TARAPURKAR ANIKET VISHWAS
B-23	/WAGHMARE ROHINI HANUMANT	B-60	VITEKARI SHUBHAM RAVINDRA
B-24	/SWAMI PRANALI SHASHIKANT	B-61	URADE VIJAY JAMBUVANT
B-25	/Parbat Pratiksha Prabhakar	B-62	BIHOSALE ABHAYRAJE RAMESH
B-26	AAFAQ AHMED	B-63	BORAMANIKAR AKASH MADHUKAR
B-27	ATKALE PRAMOD PRADHAN	B-64	CHAVAN MALHARI BHAGWAN
B-28	BABAR SWAPNIL BALASAHEB	B-65	KALBHIOR JAGDISH PANDURANG
B-29	BADGUDE ROHIT RAMESH	B-66	LAKHOLE SAURABH DINKAR
B-30	BANSODE LAXMAN PANDURANG	B-67	PAWAR AVINASH VISHNU
B-31	BHARATI MAHESH PANDURANG	B-68	SADDALGI SAMARTII SHIVKUMAR
B-32	BIHOSALE PRAVIN BHARAT	B-69	SAVANT PRATIK ANILKUMAR
B-33	BURADE ASHISH PRAMOD	B-70	WAGHMARE VIKRAMSHEEL SUNIL
B-34	CHATE DNYANESHWAR DINKAR	B-71	Pawar Subhash Sukhadev
B-35	DOLLE SANTOSH ISHWAR	B-72	Lengare Rohit Ramesh
B-36	SAWANT NITIN Raja	B-73	Bhalekar Sugor
B-37	GANGA SHIVANAND BASAVRAJ	B-74	Thengal Abhijeet

  
HOD

HEAD,  
Dept. of Civil. Engg.  
S.O.E. Pandharpur



**SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S**  
**COLLEGE OF ENGINEERING, PANDHARIPUR.**

Department of Civil Engineering

Attendance Sheet

Academic Year: 2020-21  
 L.Y. BTech Civil

Online Course - Hands-on experience on RCC structure design by using STAAD-PRO software  
 Session-I

Roll No.	NAME OF STUDENT	15-03-2021	15-03-2021	16-03-2021	17-03-2021	18-03-2021	18-03-2021	19-03-2021	19-03-2021	20-03-2021	20-03-2021	21-03-2021	21-03-2021	22-03-2021	22-03-2021
1	BUNARE SHIVANI VIVEK	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	BUDANE SANJIVANI SAMBHAI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	CHAVAN ROHINI RAMCHANDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	DESHMUKH PRANJALI SATISH	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
5	GADALE AMRUTA AUDUNBAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	GAIKWAD MAYURITRAJAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	GAIKWAD SHRUSTI	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	JADHAV ASMITA SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	JADILVAR ASHWARYA DINAKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	KAMBLE DNYANESHWARI KRUSHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	KECHE ANJALI DATTATRAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	NEEMKAR SAYALI YASHWANATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	KHUNE POOJA BALASAHEB	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
14	LANGOTE SHWETA ASHOK	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	MADANE GEETANJALI DATTIA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	NAGTHAK PRANALI KAMALKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	PARSE KAVITA BHIMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	PAWAR RUTUJA BHASKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	RAYADANDA MANISHA BHUSAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	LAVALTE AMHIL ABALI MOHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	MALAVE AMRUTA NAGESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	SARODE PRAJANTA BABASAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	WAGHmare ROHINI HANUMANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	SWAMI PRANALI SHASHIKANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Parbat Pratasha Prabhakar	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	AAF AQ AHMED	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	ATKALE PREAMOD PRADHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	HAIRNESSWAPNIL BALSAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	HADOLDE ROHIT RAMESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	HANSODI LAXMAN PANDURANG	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
31	BHARATI MAHESH PANDURANG	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	PHOSALE PRAYVIN BHARAT	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	BURADE ASHISH PRAKASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	CHATE DNYANESHWAR DINKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	DOLLE SANTOSH SHIVWAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	SAWANT NITIN Raja	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
37	GANGA SHIVANAND BASAVRAJ	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	GORE AMIT SAJAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	GURAV SATYAJEEV BHARATRAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	JADHAV AJIT ANNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P

  
 Program Coordinator

HEAD,  
 Dept. of Civil Engg.  
 I.O.E. Pandharpur

Head of the Department

Roll No.	NAME OF STUDENT	15-03-2021	15-03-2021	16-03-2021	16-03-2021	17-03-2021	17-03-2021	18-03-2021	18-03-2021	19-03-2021	19-03-2021	20-03-2021	20-03-2021	21-03-2021	21-03-2021	21-03-2021	21-03-2021
		10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00	10-12:00	1,00-3,00
41	JAYKAR SAJAN ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	KALLE PRAMOD BIRUDDEV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	KAMBLE MANTHON LAXMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	MORE SATYAWAN TUKARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	MULLA SAQIB SAJID	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	SHINDE SUSHANT RAMESH	AB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	CHABUKSWAR MAHESH DAREPYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	NAGANE RANJEEF RAOSAHEB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49	PAODOLE DIGAMBAR CHANDRAVARSIA	P	P	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
50	PAWAR PRAVIN RAGHUNATHRAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51	PUJARI PRAFULL PRASHANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52	RAUT HARSHAD DATTHATRAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53	RONGE KAPIL BHIMRAO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	SHAIKH AMIR SHILAVAR	P	AB	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55	SHINDE SHUBHAM HARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	SHIVPURE SURAJ SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
57	SURVASE AJINKYA ANAND	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
58	TARANGE VIJAYKUMAR SHAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
59	TARAFURKAR ANIKET VISHWAS	P	P	P	P	P	AB	P	P	P	P	P	P	P	P	P	P
60	VITEKARI SHUBHAM RAVINDRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
61	URADE VIJAY JAMBUVANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
62	BHOSALE ABHAYRAJE RAMESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
63	BORAMANIKAR AKASH MADHUKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
64	CHAVAN MALHARI BHAGWAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
65	KALBHOR YAGDISH PANDURANG	P	P	AB	P	P	P	P	P	P	P	P	P	P	P	P	P
66	LAKHOLE SAURABH DINKAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
67	PAWAR AVINASH VISHNU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
68	SADDALCI SAMARTH SHIVKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
69	SAVANT PRATIK ANILKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
70	WAGHMARE VIKRAMSHEEL SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
71	PAWAR SURESH SUKHADEV	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	LENGARE ROHIT RAMESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	BHALEKAR SAGAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74	THENGAL ABHIJIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Programme Coordinator

Head of the Department

HEAD,  
Dept. of Civil. Engg.  
C.O.E. Pandharpur



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE'S  
**COLLEGE OF ENGINEERING, PANDHARPUR**

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal - Pandharpur- 413 304,  
Dist.Solapur (Maharashtra) Ph.(02186)- 282223,9503103892

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

ISO 9001-2008 Certified Institute, Accredited by TCS, Pune & The Institution of Engineers (India),  
Kolkata E-mail : coe@sveri.ac.in Website: www.sveri.ac.in



## DEPARTMENT OF CIVIL ENGINEERING

### Online Course on

*Hands-on experience on RCC Structure Design by using STAAD-PRO software*

A. Y. 2020-2021 SEM: I

CLASS: L.Y. (CIVIL) DIV-A

Course Duration: 15th March – 23<sup>rd</sup> March 2021

### Assessment Procedure:

- **Eligibility Criterion:** A participant who will attend 75 % sessions will be eligible for Final Test.
- 
- **Final Test:** Performance of participant will be assessed on the basis of passing in the Final Test with at least 50% marks.
- Only those participants who meet the passing standard for the assessment will be awarded the certificate.

(Mr. S. A. Goasavi)  
Programme Coordinator

(Dr. P. M. Pawar)  
HOD, Civil Engg.

HEAD,  
Dept. of Civil. Engg.  
I.O.E. Pandharpur





Shri Vithal Education and Research Institute's

# College of Engineering, Pandharpur

(NBA Accredited all eligible UG Programmes, Accredited by NAAC, IIE(I) Kolkata & TCS, ISO 9001:2015 Certified Institute)

## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

## Certificate

*This is to certify that Mr./Ms. **BENARE SHIVANI VIVEK** has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi.)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. KECHE ANJALI DATTATRAY has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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### A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

## Certificate

*This is to certify that Mr./Ms. LANGOTE SHWETA ASHOK has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. PAWAR RUTUJA BHASKAR has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course

On

# STAAD Pro Software for RCC Structure Design

## Certificate



*This is to certify that Mr./Ms. SWAMI PRANALI SHASHIKANT has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. AAFAQ AHMED has participated for the online course on “STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. BURADE ASHISH PRAMOD has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



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## A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. **GORE AMIT SAJJAN** has participated for the online course on “***STAAD Pro Software for Rcc Structure Design***” held during 15/03/2021 To 23/03/2021.*

**(Dr. S. A. Gosavi.)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



Shri Vithal Education and Research Institute's

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A Online Certificate Course



On

## STAAD Pro Software for RCC Structure Design

# Certificate

*This is to certify that Mr./Ms. **RONGE KAPIL BHIMRAO** has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal



Shri Vithal Education and Research Institute's

## College of Engineering, Pandharpur

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A Online Certificate Course



On

# STAAD Pro Software for RCC Structure Design

## Certificate

*This is to certify that Mr./Ms. SHAIKH AMIR SHILAVAR has participated for the online course on  
“STAAD Pro Software for Rcc Structure Design” held during 15/03/2021 To 23/03/2021.*

**(Prof. S. A. Gosavi)**

Program Coordinator

**(Dr. P. M. Pawar)**

HOD of Civil Department

**(Dr. B. P. Ronge)**

Principal

**SVERI's  
College of Engineering, Pandharpur**

**Electrical Engineering**

**Certificate Course**

**On**

**MATLAB Programming**

**Duration-15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**

**Class: Third Year Electrical**

**A.Y. 2020-21**



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's

## COLLEGE OF ENGINEERING, PANDHARPUR

P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to Solapur University, Solapur)

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Accredited by the Institute of Engineers (India), Kolkata and TCS, Pune ISO 9001-2015 Certified Institute



ISO 9001:2015



## REPORT

The Department of Electrical Engineering conducted a certificate course on **MATLAB Programming** from **15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**. The resource person for this certificate course were from SVERI's College of Engineering, Pandharpur. In this certificate course the student got the detail knowledge about MATLAB Programming.. Total **66 students of Third Year B.Tech** Electrical participated in this certificate course. All the faculty members from Electrical department worked actively for the successful completion of certificate course. **The Course outcomes for this course are:**

- 1) Student got the detail knowledge about Basics of MATLAB.
- 2) Student understood Programming concept involved in the MATLAB.



Coordinator



HOD  
**HEAD**  
Dept. of Electrical Engg.  
**C.O.E. Pandharpur.**



## **Department of Electrical Engineering**

Date: 10/03/2021

### **Notice**

All the students of T.Y. B. Tech.(Electrical Engineering) are informed to note that, Department of Electrical Engineering has organized **Certificate Course on 'MATLAB Programming'** from **15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**.

Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination.

All the concerned should take note and act accordingly.

  
Course Coordinator  
Mr. D. D. Daphale

  
HOD  
Dr. D. A. Tamboli

**HEAD**  
Dept. of Electrical Eng.  
C.O.E. Pandharpur.



SHRI VITHAL EDUCATION & RESEARCH INSTITUTE's

## COLLEGE OF ENGINEERING, PANDHARPUR

B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

(Approved by A.I.C.T.E., New Delhi and affiliated to P.A.H. Solapur University, Solapur)

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ISO 9001:2015



### Schedule for certificate course on "MATLAB Programming"

Day wise Schedule & Contents from 15/03/2021 to 27/03/2021

Sr. No.	Date	Time	Duration	Details of Contents
1	15/03/2021	04.30 pm to 06.30 pm	2 Hours	Input-output, File types, Platform dependence
2	16/03/2021	04.30 pm to 06.30 pm	2 Hours	General commands, creating a script file in MATLAB
3	17/03/2021	04.30 pm to 06.30 pm	2 Hours	Matrix and array operations
4	18/03/2021	04.30 pm to 06.30 pm	2 Hours	arithmetic operators, relational operators, logical operators
5	19/03/2021	09.00 am to 11.00 am	2 Hours	Elementary math functions
		04.30 pm to 06.30 pm	2 Hours	Basic 2D plots: labels, title, legend
6	20/03/2021	04.30 pm to 06.30 pm	2 Hours	text objects, axis control, overlay plots
7	22/03/2021	04.30 pm to 06.30 pm	2 Hours	modifying plots with plot editor,
8	23/03/2021	04.30 pm to 06.30 pm	2 Hours	Organization of Simulink, constructing a simulink block diagram, simulink
9	24/03/2021	04.30 pm to 06.30 pm	2 Hours	Simulink toolbox: continuous blockset, discrete blockset, logic and
10	25/03/2021	09.00 am to 11.00 am	2 Hours	Math operation blockset, Model verification blockset
11		04.30 pm to 06.30 pm	2 Hours	Study and understanding of every blockset of simpower Toolbox :storage technology
12	26/03/2021	09.00 am to 11.00 am	2 Hours	Study and understanding of every blockset of simpower Toolbox:
13		04.30 pm to 06.30 pm	2 Hours	Analyze the performance of DC shunt, series motor, induction motor and
14	27/03/2021	04.30 pm to 06.30 pm	2 Hours	Implementation issues of energy management strategies.

  
Coordinator

  
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ISO 9001-2015



Ref. No.: COEPR/EE/2020-2021/CC (M)/01

Date : -10/03/2021

## OFFICE ORDER

The following faculty member has been constituted for Design and Development of Curriculum for **Certificate Course on 'MATLAB Programming'** for T.Y. B.Tech. (Electrical Engineering) Semester-II of Academic Year: 2020-2021.

Sr. No.	Name of Faculty Member	Particular
1.	Prof. V. A. Sawant	Chairman
2.	Prof. S. D. Kolekar	Member
3.	Prof. M. K. Pawar	Member

The above members are requested to design the curriculum for the said Add on Course and submit final copy of the curriculum to theundersigned on or before 14/03/2021.

Please take a note of the same and act accordingly.

(Dr. D. A. Tamboli)  
Head, Elec. Engg. Dept.  
HEAD  
Dept. of Electrical Engg.  
C.O.E. Pandharpur.

**SVERI's  
College of Engineering, Pandharpur**

**Electrical Engineering**

# **Certificate Course**

**On**

**MATLAB Programming**

**Duration-15<sup>th</sup>March 2021 to 27<sup>th</sup>March 2021**

**Class: Third Year Electrical**

**Student Details**

**List of Student Enrolled for Certificate course on "MATLAB Programming"**  
**CLASS: Third Year B. Tech**

Roll	Name of Student	Roll	Name of Student
1	/Ambule Shraddha Arjun	34	Gahirwar Kundansing Kiransing
2	/Bhondave Snehal Narayan	35	Gavhane Chetan Suresh
3	/Bhosale Neha Sukhadev	36	Ghadge Narayan Indrajit
4	/Chavan Amruta Arun	37	Ghatule Niranjan Balasaheb
5	/Chavan Pooja Samadhan	38	Gund Swapnil Ramdas
6	/Dalave Snehal Popat	39	Howal Chaitanya Dayanand
7	/Dasame Suvarna Dhanraj	40	Humbe Dipak Jambuvant
8	/Dharme Pooja Dilip	41	Ingale Vishal Annaso
9	/Dhole Vaishnavi Rameshwar	42	Jadhav Rushikesh Rajendra
10	/Ekatpure Gayatri Rajendra	43	Jadhav Vedant Sanju
11	/Homkar Poonam Hanumant	44	Kamble Abhijit Arvind
12	/Kale Sakshi Dhananjay	45	Keche Akshay Bhagavat
13	/Kate Revati Gorakhnath	46	Kharat Gorakhnath Madhukar
14	/Kathare Ankita Narendra	47	Kokane Sameer Sambhaji
15	/Maharnavar Shivani Balaso	48	Kumar Suresh Krishan
16	/Mane Ashwini Darling	49	Lade Tushar Haridas
17	/Mane Sanskruti Sainath	50	Lamkane Kiran Eknath
18	/Metakari Sonal Lahu	51	Londhe Jayram Prakash
19	/Metkari Dipali Balkrushna	52	Londhe Shantanu Yashwant
20	/Nanavare Amruta Suresh	53	Mule Saurabh Dattatray
21	/Navale Pratidnya Raju	54	Munguskar Vaibhav Popat
22	/Patil Bijali Shahaji	55	Narkar Mangesh Haribhau
23	/Pujari Sangita Narayan	56	Nikam Shrishail Ravsaheb
24	/Rokade Kiran Sopan	57	Patil Shantanu Ranganath
25	/Rupnar Anushka Macchindra	58	Raut Onkar Tukaram
26	/Salgare Payal Raosaheb	59	Salunkhe Shivam Sunil
27	/Sawant Kishori Santosh	60	Shaikh Arbaaz Samad
28	/Shendage Swapnali Vikas	61	Shinde Akash Dattatray
29	/Surve Sakshi Balasaheb	62	Suravase Shivaji Bhivaji
30	Bhanvase Sagar Haridas	63	Tamboli Arbaj Alamgir
31	Borate Aditya Dhanaji	64	Waghmare Vinay Balu
32	Dongare Mahesh Dilip	65	Yadav Harshavardhan Mahesh
33	Doshi Shubham Tarkeshwar	66	Mane Kaivalya Kakasaheb

  
Co-ordinator

  
Head of Dept.  
**HEAD**  
Dept. of Electrical Engg  
C.O.E, Pandharpur.

**SVERI's  
College of Engineering, Pandharpur**

**Electrical Engineering**

**Certificate Course**

**On**

**MATLAB Programming**

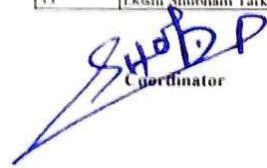
**Duration-15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**

**Class: Third Year Electrical**

**Overall attendance**

**SVERI's College of Engineering, Pandharpur**  
**Department of Electrical Engineering**  
**Certificate course on "MATLAB Programming"**

Sr. No	Name of Student	15/03/2021	16/03/2021	17/03/2021	18/03/2021	19/03/2021	20/03/2021	22/03/2021	23/03/2021	24/03/2021	25/03/2021	26/03/2021	27/03/2021
1	Anubale Shradhha Arun	P	P	P	P	P	P	P	P	P	P	P	P
2	Bhupalave Suchal Narayan	P	P	P	P	P	P	P	P	P	P	P	P
3	Bhussale Neha Sukhadev	P	P	P	P	P	P	P	P	P	P	P	P
4	A havan Angrita Arun	P	P	P	P	P	P	P	P	P	P	P	P
5	A havan Pooja Samadhan	P	P	P	P	P	P	P	P	P	P	P	P
6	Adalave Suchal Popat	P	P	P	P	P	P	P	P	P	P	P	P
7	Dasame Suvarna Dhananjay	P	P	P	P	P	P	P	P	P	P	P	P
8	Dhamne Pooja Dilip	P	P	P	P	P	P	P	P	P	P	P	P
9	Dhole Vaishnavi Rameshwari	P	P	P	P	P	P	P	P	P	P	P	P
10	Ekkalpure Gayatri Rajendra	P	P	P	P	P	P	P	P	P	P	P	P
11	Honkar Poonam Hanumant	P	P	P	P	P	P	P	P	P	P	P	P
12	Kale Sakshi Dhananjay	P	P	P	P	P	P	P	P	P	P	P	P
13	Kale Revati Gorakhnath	P	P	P	P	P	P	P	P	P	P	P	P
14	Kathare Ankita Narendra	P	P	P	P	P	P	P	P	P	P	P	P
15	Maharavari Shivani Balaso	P	P	A	P	P	P	P	P	P	P	P	P
16	Mane Ashwini Darling	P	P	P	P	P	P	P	P	P	P	P	P
17	Mane Sanskruti Samarth	P	P	P	P	P	P	P	P	P	P	P	P
18	Metakari Sonal Lahu	P	P	P	P	P	P	P	P	P	P	P	P
19	Metkarai Dipali Balkrushna	P	P	P	P	P	P	A	P	P	P	P	P
20	Nanavate Amruta Suresh	P	P	P	P	P	P	P	P	P	P	P	P
21	Navali Pratidhya Raju	P	P	P	P	P	P	P	P	P	P	P	P
22	Patil Bijali Shahaji	P	P	P	P	P	P	P	P	P	P	P	P
23	Pipari Sangita Narayan	P	P	P	P	P	P	P	P	P	P	P	P
24	Rokade Kiran Sopan	P	P	P	P	P	P	P	P	P	P	P	P
25	Rupnrat Anushka Macchindra	P	P	P	P	P	P	P	P	P	P	P	P
26	Salgare Payal Raosaheb	P	P	P	P	P	P	P	P	P	P	P	P
27	Sawant Kishori Santosh	P	P	P	P	P	P	P	P	P	P	P	P
28	Shendage Swapnali Vikas	P	P	P	P	P	P	P	P	P	A	P	P
29	Surve Sakshi Balasaheb	P	P	P	P	P	P	P	P	P	P	P	P
30	Bhanyave Sagar Haridas	P	P	P	P	A	P	P	P	P	P	P	P
31	Borate Aditya Dhananjay	P	P	P	P	P	P	P	P	P	P	P	P
32	Dongare Mahesh Dilip	P	P	P	P	P	P	P	P	P	P	P	P
33	Doslu Shubham Tarakeshwari	P	P	P	P	P	P	P	P	P	P	P	P

  
**Shobha P.**  
Coordinator

  
**HEAD**  
Dept. of Electrical Engg.  
C.O.E. Pandharpur.

**SVERI's College of Engineering, Pandharpur**  
**Department of Electrical Engineering**  
**Certificate course on "MATLAB Programming"**

Sr. No	Name of Student	15/03/2021	16/03/2021	17/03/2021	18/03/2021	19/03/2021	20/03/2021	22/03/2021	23/03/2021	24/03/2021	25/03/2021	26/03/2021	27/03/2021
34	Gahirwar Kundansing Kiransing	P	P	P	P	P	P	P	P	P	P	P	P
35	Gavhane Chetan Suresh	P	P	P	P	P	P	P	P	P	P	P	P
36	Ghadge Narayan Indrajit	P	P	P	P	P	P	P	P	P	P	P	P
37	Ghatule Nirajan Balasaheb	P	P	P	P	P	P	P	P	P	P	P	P
38	Gund Swapnil Ramdas	P	P	P	P	P	P	P	P	P	P	P	P
39	Howal Chaitanya Davanand	P	P	P	P	P	P	P	P	P	P	P	P
40	Humbe Dipak Jambvant	P	P	P	P	P	P	P	P	P	P	P	P
41	Ingale Vishal Annaso	P	P	P	P	P	P	P	P	P	P	P	P
42	Jadhav Rushikesh Rajendra	P	P	P	P	P	P	P	P	P	P	P	P
43	Jadhav Vedant Sanju	P	P	P	P	P	P	P	P	P	P	P	P
44	Kamble Abhijit Arvind	P	P	P	P	P	P	P	P	P	P	P	P
45	Keche Akshay Bhagavat	P	P	P	P	P	P	P	P	P	P	P	P
46	Kharat Gorakhnath Madhukar	P	P	P	P	P	P	P	P	P	P	P	P
47	Kokane Sameer Sambhaji	P	P	P	P	P	P	A	P	P	P	P	P
48	Kumar Suresh Krishan	P	P	P	P	P	P	P	P	P	P	P	P
49	Lade Tushar Handas	P	P	P	P	P	P	P	P	P	P	P	P
50	Lamkane Kiran Eknath	P	P	P	P	P	P	P	P	P	P	P	P
51	Londhe Jayram Prakash	P	P	P	P	P	P	P	P	P	A	P	P
52	Londhe Shantanu Yashwant	P	P	P	P	P	P	P	P	P	P	P	P
53	Mule Saurabh Dattatray	P	P	P	P	P	P	P	P	P	P	P	P
54	Munguskar Vaibhav Popat	P	P	P	P	P	P	P	P	P	P	P	P
55	Narkar Mangesh Haribhau	P	P	P	P	P	P	P	P	P	P	P	P
56	Nikam Shrinashil Ravaheb	P	P	P	A	P	P	P	P	P	P	P	P
57	Patil Shantanu Ranganath	P	P	P	P	P	P	P	P	P	P	P	P
58	Raut Onkar Tukaram	P	P	P	P	P	P	P	P	P	A	P	P
59	Salunkhe Shivam Sunil	P	P	P	P	P	P	P	P	P	P	P	P
60	Shaikh Arbaaz Samad	P	P	P	P	P	P	P	P	P	P	P	P
61	Shinde Akash Dattatray	P	P	P	P	P	P	P	P	P	P	P	P
62	Suravase Shivaji Bhivaji	P	P	P	P	P	P	P	P	P	P	A	P
63	Tamboli Arbaaj Alangur	P	P	P	P	P	P	P	P	P	P	P	P
64	Waghmare Vinay Balu	P	P	P	P	P	P	P	P	P	P	P	P
65	Yadav Harshavardhan Mahesh	P	P	P	P	P	P	P	P	P	P	P	P
66	Mane Kaivalya Kakasaheb	P	P	P	P	P	P	P	P	P	P	P	P

  
Coordinator

  
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**SVERI's  
College of Engineering, Pandharpur**

**Electrical Engineering**

**Certificate Course**

**On**

**MATLAB Programming**

**Duration-15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**

**Class: Third Year Electrical**

**Quiz & Marks**

# Quiz\_Certificate Course on MATLAB Programming

 **dddaphale@coe.sveri.ac.in** (not shared) Switch account



\* Required

Name of Student \*

Your answer

Roll No

Your answer

Class

Your answer

MATLAB stands for? \*

- a) matrix laboratory
- b) math library
- c) matric library
- d) matrix library

Which command is used to clear a command window? \*

- a) clear
- b) close all
- c) clc
- d) clear all

Command used to display the value of variable x. \*

- a) displayx
- b) disp(x)
- c) disp x
- d) vardisp('x')

To stop the execution of a MATLAB command, used keys? \*

- a) ctrl+c
- b) ctrl+s
- c) ctrl+b
- d) ctrl+enter

How can we influence the disp command with format specifiers? \*

- a) Not possible
- b) Via the sprintf() command
- c) Use format specifiers as string input
- d) Give format specifiers as input only

Clear will removes all graphs. \*

- a) True
- b) False

How can we close all graphs in MATLAB? \*

- a) Using the close command
- b) Using the clear all command
- c) Using the close all command
- d) Using the clear command

clc in a function will clear the function. \*

- a) True
- b) False

\_\_\_\_\_ will give a hint that the file is closed. \*

- a) Fopen
- b) Fclose
- c) Gclose
- d) clc

The format for 5 digit representation along with exponent is \_\_\_\_\_ \*

- a) short e
- b) short g
- c) short exp
- d) 4 digit along with exponent value can be represented

The function to plot a graph with both axes on logarithmic scales is \_\_\_\_\_ \*

- a) loglog
- b) log
- c) semilog
- d) not possible

We cannot plot a discrete and continuous relationship in the same graph. \*

- a) True
- b) False

The function to close the windows containing graphs generated from MATLAB is \_\_\_\_\_ \*

- a) close all
- b) close graphs
- c) delete graphs
- d) end all

What is not displayed by the Workspace? \*

- a) Time of variable generation
- b) Standard deviation of the variable values
- c) Class of the variables
- d) Nature of the variables

MATLAB allows modelling of different control systems using \_\_\_\_\_ \*

- a) Simulink
- b) Control System Toolbox
- c) Not available in MATLAB as of yet
- d) ezplot

To delete one variable but not the entire workspace, we need to mention the variable name after the clear command. \*

- a) True
- b) False

Multiple graphs can be plotted, in the same window, if we use the \_\_\_ command \* in a loop.

- a) hold on
- b) held on
- c) hold off
- d) not possible

The condition of a while loop cannot be given in \_\_\_\_ \*.

- a) ()
- b) []
- c) {}
- d) <>

How do you show the program of an MAT file? \*

- a) The program should contain the echo command
- b) The program should contain the showprog command
- c) The program should contain the diary command
- d) The program cannot be shown while running a MEX file

It is not possible to store graphs as MAT-file. \*

- a) True
- b) False

The command used to reflect the files from a disk into the workspace is \_\_\_\_ \*

- a) load
- b) show
- c) disp()
- d) it is not possible

How to stop the execution of a chain of commands? \*

- a) Press Ctrl +c
- b) Cannot be stopped
- c) Only usage of debugging mode is possible in MATLAB
- d) Quit

What are MEX files in MATLAB? \*

- a) No such thing as MEX files
- b) Helps to analyse commands in MATLAB
- c) Allows the user to combine C source files with Matlab files
- d) Same as MAT files

To end the debugging mode, we use the \_\_\_\_\_ \*

- a) dbquit
- b) dbend
- c) debugend
- d) No such function

Can we save a MATLAB program while in debugging mode? \*

- a) True
- b) False

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**SVERI COLLEGE OF ENGINEERING, PANDHARPUR**

**DEPARTMENT OF ELECTRICAL ENGINEERING**

**TY Electrical**

Roll No.	Name of Student	Max. Mark	Obtained Mark	Roll No.	Name of Student	Max. Mark	Obtained Mark
1	/AMBULE SHRADDHA ARJUN	50	50	35	DOSHI SHUBHAM TARKESHWAR	50	46
2	/BHONDAVE SNEHAL NARAYAN	50	48	36	GAHIRWAR KUNDANSING KIRANSING	50	48
3	/BHOSALE NEHA SUKHADEV	50	46	37	GAVHANE CHETAN SURESH	50	48
4	/CHAVAN AMRUTA ARUN	50	48	38	GHADGE NARAYAN INDRAJIT	50	46
5	/CHAVAN POOJA SAMADHAN	50	48	39	GHATULE NIRANJAN BALASAHEB	50	44
6	/DALAVE SNEHAL POPAT	50	46	40	GUND SWAPNIL RAMDAS	50	50
7	/DASAME SUVARNA DHANRAJ	50	48	41	HOWAL CHAITANYA DAYANAND	50	46
8	/DHARME POOJA DILIP	50	48	42	HUMBE DIPAK JAMBUVANT	50	48
9	/Dhole VAISHNAVI RAMESHWAR	50	46	43	INGALE VISHAL ANNASO	50	48
10	/EKATPURE GAYATRI RAJENDRA	50	44	44	JADHAV RUSHIKESH RAJENDRA	50	46
11	/HOMKAR POONAM HANUMANT	50	50	45	JADHAV VEDANT SANJU	50	44
12	/KALE SAKSHI DHANANJAY	50	46	46	KAMBLE ABHIJIT ARVIND	50	46
13	/KATE REVATI GORAKHNATH	50	48	47	KECHE AKSHAY BHAGAVAT	50	46
14	/KATHARE ANKITA NARENDRA	50	48	48	KHARAT GORAKHNATH MADHUKAR	50	48
15	/LAVATE PRATIKSHA SHIVAJI	50	46	49	KOKANE SAMEER SAMBHADI	50	48
16	/MAHARNAVAR SHIVANI BALASO	50	44	50	KUMAR SURESH KRISHAN	50	46
17	/MANE ASHWINI DARLING	50	46	51	LADE TUSHAR HARIDAS	50	48
18	/MANE SANSKRUTI SAINATH	50	48	52	LAMKANE KIRAN EKNATH	50	48
19	/METAKARI SONAL LAHU	50	42	53	LONDHE JAYRAM PRAKASH	50	46
20	/METKARI DIPALI BALKRUSHNA	50	48	54	LONDHE SHANTANU YASHWANT	50	50
21	/NANAVARE AMRUTA SURESH	50	48	55	MULE SAURABH DATTATRAY	50	46
22	/NAVALE PRATIDNYA RAJU	50	46	56	MUNGUSKAR VAIBHAV POPAT	50	48
23	/PATIL BIJALI SHAHADI	50	44	57	NARKAR MANGESH HARIBHAI	50	48
24	/PUJARI SANGITA NARAYAN	50	50	58	NIKAM SHRISHAIL RAVSAHEB	50	46
25	/ROKADE KIRAN SOPAN	50	46	59	PATIL SHANTANU RANGANATH	50	44
26	/RUPNAR ANUSHKA MACCHINDRA	50	48	60	RAUT ONKAR TUKARAM	50	46
27	/SALGAR KOMAL DIGAMBAR	50	48	61	SALUNKHE SHIVAM SUNIL	50	46
28	/SALGARE PAYAL RAOSAHEB	50	48	62	SHAikh ARBAAZ SAMAD	50	48
29	/SAWANT KISHORI SANTOSH	50	42	63	SHINDE AKASH DATTATRAY	50	48
30	/SHENDAGE SWAPNALI VIKAS	50	48	64	SURAVASE SHIVAJI BHIVAJI	50	46
31	/SURVE SAKSHI BALASAHEB	50	48	65	TAMBOLI ARBAJ ALAMGIR	50	48
32	BHANVASE SAGAR HARIDAS	50	46	66	WAGHMARE VINAY BALU	50	48
33	BORATE ADITYA DHANAJI	50	44	67	YADAV HARSHAVARDHAN MAHESH	50	46
34	DONGARE MAHESH DILIP	50	50	68	MANE KAIVALYA KAKASAHEB	50	50

  
Coordinator

  
HOD  
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C.O.E. Pandharpur.

**SVERI's  
College of Engineering, Pandharpur  
Electrical Engineering**

# **Certificate Course**

**On**

## **MATLAB Programming**

**Duration-15<sup>th</sup> March 2021 to 27<sup>th</sup> March 2021**

**Class: Third Year Electrical**

**Certificates**



**Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
Department of Electrical Engineering**

**Certificate of Participation**

**Certificate Course on**

**MATLAB Programming**

***This is to certify that Mr/Miss AMBULE SHRADDHA ARJUN has completed  
certificate course (30 hrs) on “MATLAB Programming” from  
15<sup>th</sup> March to 27<sup>th</sup> March, 2021 Organized by***

***Department of Electrical Engineering, SVERI's College of Engineering, Pandharpur,  
Maharashtra.***

  
**(Prof. D.D. Daphale)**  
*Coordinator*

  
**(Dr. D.A. Tamboli)**  
*HOD*

  
**(Prof. Dr. B. P. Ronge)**  
*Principal*





**Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
Department of Electrical Engineering**

**Certificate of Participation**

**Certificate Course on**

**MATLAB Programming**

***This is to certify that Mr/Miss MANE ASHWINI DARLING has completed  
certificate course (30 hrs) on “MATLAB Programming” from  
15<sup>th</sup> March to 27<sup>th</sup> March, 2021 Organized by***

***Department of Electrical Engineering, SVERI's College of Engineering, Pandharpur,  
Maharashtra.***

  
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**(Dr. D.A. Tamboli)**  
*HOD*

  
**(Prof. Dr. B. P. Ronge)**  
*Principal*





**Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
Department of Electrical Engineering**

## **Certificate of Participation**

**Certificate Course on**

### **MATLAB Programming**

*This is to certify that Mr/Miss SHENDAGE SWAPNALI has completed  
certificate course (30 hrs) on “MATLAB Programming” from  
15<sup>th</sup> March to 27<sup>th</sup> March, 2021 Organized by*

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(Prof. D.D. Daphale)  
Coordinator

  
(Dr. D.A. Tamboli)  
HOD

  
(Prof. Dr. B. P. Ronge)  
Principal





**Shri Vithal Education & Research Institute's  
College of Engineering, Pandharpur  
Department of Electrical Engineering**

**Certificate of Participation**

**Certificate Course on**

**MATLAB Programming**

***This is to certify that Mr/Miss GAVHANE CHETAN SURESH has completed  
certificate course (30 hrs) on “MATLAB Programming” from  
15<sup>th</sup> March to 27<sup>th</sup> March, 2021 Organized by***

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*Principal*





**Shri Vithal Education & Research Institute's  
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Department of Electrical Engineering**

**Certificate of Participation**

**Certificate Course on**

**MATLAB Programming**

*This is to certify that Mr/Miss MANE KAIVALYA KAKASAHEB has completed  
certificate course (30 hrs) on “MATLAB Programming” from  
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Coordinator

  
(Dr. D.A. Tamboli)  
HOD

  
(Prof. Dr. B. P. Ronge)  
Principal



**SVERI's**  
**College of Engineering,**  
**Pandharpur**  
**Computer Science and**  
**Engineering**  
**Online Certificate Course**  
**On**  
**“IOT Using Arduino”**  
**Duration – 10<sup>th</sup> May to 15<sup>th</sup> May 2021**  
**Class : S.Y B.Tech**



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P.B. No. 54, Gopalpur -Ranjani Road, Gopalpur, Tal.- Pandharpur- 413 304, Dist.- Solapur (Maharashtra)

Tel.: 02186-216063, 9503103757, E-mail : [coe@sveri.ac.in](mailto:coe@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

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Date: 1/05/2021

**Department of Computer Science and Engineering**

**NOTICE**

All the students of SY B.Tech. (CSE) are informed to note that, Online Certificate Course is compulsory for students of SY B.Tech. to complete Add-on course from A.Y.2020-2021. Accordingly, Department of CSE has organized **Online Certificate Course on 'IOT using Arduino'** from **10<sup>th</sup> May 2021 to 15<sup>st</sup> May 2021**.

Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination.

All the concerned should take note and act accordingly.

  
HOD,  
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WE CULTIVATE GREATNESS  
BY CREATING THE BEST  
LEARNING ENVIRONMENT



## ABOUT THE INSTITUTE

Pandharpur is well known holy place for Lord Shri Vitthal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashi' of India. Shri Vitthal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998. Approved by AICTE, New Delhi, all eligible UG Programs are NBA Accredited, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS-Pune, ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

## ONLINE CERTIFICATE COURSE 'IOT USING ARDUINO'

### CHIEF PATRON

Prof. Dr. B. P. Ronge  
Founder Secretary, SVERI &

PRINCIPAL, SVERI'S COLLEGE OF  
ENGINEERING, PANDHARPUR

### RESOURCE PERSONS

MR. DARSHANE S.V.  
SVERI'S COLLEGE OF ENGINEERING

### COORDINATORS

Prof. V. M. Sale

### TOPICS TO BE COVERED

- \*Introduction to IOT.
- \*Arduino Simulation
- \*Environment.
- \*Sensor & Actuators with Arduino.
- \*Basic Networking with ESP8266 WiFi.
- \*IoT Protocols.
- \*Cloud Platforms for IOT.

10 MAY - 15 MAY 2021

### ORGANIZED BY

DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING

### CONTACT US

P. B. No. 54, Gopalpur-Ranjani Road,  
Gopalpur, Pandharpur-413304,  
Dist.-Solapur, (Maharashtra) - India

  
HOD,  
Department of Computer Science & Engg  
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Tel.: 02186-216063, 9503103737, E-mail : [cce@sveri.ac.in](mailto:cce@sveri.ac.in), Website: [www.sveri.ac.in](http://www.sveri.ac.in)

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Ref. No.: COEPR/CSE/2020-2021

Date: 3/05/2021



### OFFICE ORDER

Following committee has been constituted for Design and Development of Curriculum for Online Certificate Course 'IOT using Arduino' for S.Y. B.Tech. (CSE) Semester-II of Academic Year: 2020-2021.

Sr. No.	Name of Faculty Member	Particular
1.	Prof. S.M.Shinde	Chairman
2.	Prof. S. S. Sirdeshmukh	Member

The above members are requested to design the curriculum for the said Online Certificate Course and submit final copy of the curriculum to the undersigned on or before 8/05/2021.

Please take a note of the same and act accordingly.

*lrs*  
Head, CSE Dept.

*HOD*

Department of Computer Science & Engg.  
SVERI's C.O.E. Pandharpur.

**Copy to:**

1. Prof. S.M.Shinde
2. Prof. S. S. Sirdeshmukh
3. Principal
4. Dean Academics
5. Registrar
6. Office copy

*ms*



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## **Department of Computer Science and Engineering**

Schedule for certificate on " IOT using Arduino" Day wise schedule

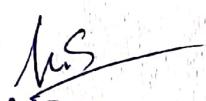
From: 10/5/2021 to 15/5/2021

Sr NO.	Day & Date	Time	Contents
1	10/5/2021	10.00am-1.00pm	<b>UNIT 1: Introduction to IOT</b> <ul style="list-style-type: none"><li>• Understanding IoT fundamentals</li><li>• IoT Architecture and protocols</li><li>• Various Platforms for IoT</li></ul>
		1.00pm-2.00pm	Lunch Break
		2.00pm-5.00pm	<ul style="list-style-type: none"><li>• Real time Examples of IoT</li><li>• Overview of IoT components and IoT Communication Technologies</li><li>• Challenges in IOT</li></ul>
2	11/5/2021	10.00am-1.00pm	<b>2. Arduino Simulation Environment</b> <ul style="list-style-type: none"><li>• Arduino Uno Architecture</li><li>• Setup the IDE, Writing Arduino Software</li><li>• Arduino Libraries</li></ul>
		1.00pm-2.00pm	Lunch Break
		2.00pm-5.00pm	<ul style="list-style-type: none"><li>• Basics of Embedded C programming for Arduino</li><li>• Interfacing LED, push button and buzzer with Arduino</li><li>• Interfacing Arduino with LCD</li></ul>
3	12/5/2021	10.00am-1.00pm	<b>3. Sensor &amp; Actuators with Arduino</b> <ul style="list-style-type: none"><li>• Overview of Sensors working</li><li>• Analog and Digital Sensors</li><li>• Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino</li></ul>



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			1.00pm-2.00pm      Lunch Break
		2.00pm-5.00pm	<ul style="list-style-type: none"> <li>• Interfacing of Actuators with Arduino.</li> <li>• Interfacing of Relay Switch and Servo Motor with Arduino</li> </ul>
4	13/5/2021	10.00am-1.00pm	<p><b>4. Basic Networking with ESP8266 WiFi module</b></p> <ul style="list-style-type: none"> <li>• Basics of Wireless Networking</li> <li>• Introduction to ESP8266 Wi-Fi Module</li> <li>• Various Wi-Fi library</li> </ul>
			1.00pm-2.00pm      Lunch Break
5	14/5/2021	2.00pm-5.00pm	<ul style="list-style-type: none"> <li>• Web server- introduction, installation, configuration</li> <li>• Posting sensor(s) data to web server</li> </ul>
			<p><b>5. IoT Protocols</b></p> <ul style="list-style-type: none"> <li>• M2M vs. IOT</li> <li>• Communication Protocols</li> </ul>
6	15/5/2021	10.00am-1.00pm	1.00pm-2.00pm      Lunch Break
			<p><b>6. Cloud Platforms for IOT</b></p> <ul style="list-style-type: none"> <li>• Virtualization concepts and Cloud Architecture</li> <li>• Cloud computing, benefits</li> <li>• Cloud services -- SaaS, PaaS, IaaS</li> </ul>
		2.00pm-5.00pm	<ul style="list-style-type: none"> <li>• Cloud providers &amp; offerings</li> <li>• Study of IOT Cloud platforms</li> <li>• ThingSpeak API and MQTT</li> <li>• Interfacing ESP8266 with Web services</li> </ul>
		1.00pm-2.00pm	Lunch Break
		2.00pm-5.00pm	Project

  
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## **Department of computer science and Engineering**

### **Syllabus of Internet of Things (IOT) Using Arduino**

#### **UNIT 1: Introduction to IOT**

Understanding IoT fundamentals

IOT Architecture and protocols

Various Platforms for IoT

Real time Examples of IoT

Overview of IoT components and IoT Communication Technologies

Challenges in IOT

#### **2. Arduino Simulation Environment**

Arduino Uno Architecture

Setup the IDE, Writing Arduino Software

Arduino Libraries

Basics of Embedded C programming for Arduino

Interfacing LED, push button and buzzer with Arduino

Interfacing Arduino with LCD

#### **3. Sensor & Actuators with Arduino**

Overview of Sensors working

Analog and Digital Sensors

Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino

Interfacing of Actuators with Arduino.

Interfacing of Relay Switch and Servo Motor with Arduino



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## 4. Basic Networking with ESP8266 WiFi module

Basics of Wireless Networking  
Introduction to ESP8266 Wi-Fi Module  
Various Wi-Fi library  
Web server- introduction, installation, configuration  
Posting sensor(s) data to web server

## 5. IoT Protocols

M2M vs. IOT  
Communication Protocols

## 6. Cloud Platforms for IOT

Virtualization concepts and Cloud Architecture  
Cloud computing, benefits  
Cloud services -- SaaS, PaaS, IaaS  
Cloud providers & offerings  
Study of IOT Cloud platforms  
ThingSpeak API and MQTT  
Interfacing ESP8266 with Web services



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Department of Computer Science & Engg  
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**Online Certificate Course " IOT  
using Arduino"**  
**Class: SY(CSE)**

Sr.NO	Student Name	10/5/2021	11/5/2021	12/5/2021	13/5/2021	14/5/2021	15/5/2021
1	Abhangrao Vaishnavi Milind	P	P	P	P	P	P
2	Dongare Amruta Kamraj	P	P	P	P	P	P
3	Atkale Prapti Pandurang	P	P	A	P	P	P
4	Bansode Vaishnavi Pitamber	A	P	A	P	P	P
5	Bhosale Sakshi Ganesh	P	P	A	P	P	P
6	Bhujang Vedangi Mangesh	A	P	P	P	P	A
7	Devale Lajina Sadik	A	P	P	P	P	A
8	Dhage Shraddha Shashikant	A	P	P	P	P	A
9	Dhaygude Unnati Anil	A	P	P	P	P	A
10	Dhole Rutuja Bharat	P	P	A	P	P	A
11	Dongare Madhuri Vilas	P	P	A	P	P	P
12	Ekad Jyoti Chandrashekhar	P	P	A	P	P	P
13	Gaikwad Swapnali Gorakh	A	P	P	P	P	P
14	Gavali Suchitra Ramchandra	A	P	P	P	P	P
15	Jathar Vaishnavi Vikram	A	P	P	P	P	P
16	Kadam Apurva Ajit	P	P	P	P	P	P
17	Kallur Khushi Naresh	P	P	P	P	P	A
18	Kashid Swagati Satish	P	P	P	P	P	A
19	Katkamwar Trupti Sunil	P	P	P	P	P	A
20	Katkar Rutuja Nandkumar	P	P	P	P	P	P
21	Khandagale Chaitanya Nandkumar	P	P	P	P	P	P
22	Kulkarni Aishwarya Waman	P	P	P	A	P	P
23	Limbole Prerana Raju	P	P	P	A	P	P
24	Londhe Akanksha Ganesh	A	P	P	P	P	P
25	Modak Kalyani Prasad	A	P	P	P	P	P
26	Mohikar Aishwarya Mahesh	P	P	P	P	P	P
27	More Sandhya Mahadeo	P	P	P	P	P	P
28	More Vaishnavi Motilal	P	P	P	P	P	P
29	More Priti Uttam	A	P	A	P	P	P
30	More Mayeshwari Shrikrishna	A	P	A	P	P	P
31	Mungase Dipali Hanumant	P	P	P	P	P	A



32	Pardeshi Sonal Dilip	P	P	P	P	P	A
33	Patil Pratiksha Uddhav	P	P	P	P	P	P
34	Rudrakanthwar Sakshi Santosh	P	P	P	P	P	P
35	Ritika Saini	P	A	P	P	P	P
36	Vishakha Vijaykumar Savalkar	P	A	P	A	P	P
37	Savant Shweta Anant	P	P	P	A	P	P
38	Shaikh Shaina Ismail	P	P	P	A	P	P
39	Shinde Prerana Bharat	A	P	P	P	P	P
40	Survase Tejal Dipak	A	P	P	P	P	P
41	Swami Mayuri Somnath	P	P	P	P	P	P
42	Velapure Siddhi Suresh	P	P	P	P	P	A
43	Kore Ratan Giramalla	P	P	A	P	P	A
44	Swapnil Kantilal Ubale	P	A	A	P	P	A
45	Andhare Akshay Mahavir	P	A	P	P	P	A
46	Bhange Saideep Arvind	A	P	P	P	P	P
47	Birajdar Onkar Amasiddha	A	P	P	P	P	P
48	Devkate Rahul Kisan	A	P	P	P	P	P
49	Diwan Suyash Samir	A	P	P	P	P	P
50	Gapat Rahul Kisan	P	P	P	P	P	P
51	Ghadage Mayur Vijaykumar	P	P	P	P	P	P
52	Hingmire Rahul Laxmikant	P	P	P	P	P	P
53	Kakade Pavan Pandurang	P	P	P	P	P	P
54	Kale Omkar Ajitkumar	P	P	P	P	P	P
55	Kamble Lahu Ramchandra	P	P	P	P	P	P
56	Kavitake Rohit Dattatray	P	P	P	P	P	P
57	Kondubhairy Sanket Sambhaji	P	P	P	P	P	P
58	Kulkarni Sahil Santosh	P	P	P	P	P	P
59	Lohar Dnyaneshwar Sanjivan	P	P	P	P	P	P
60	Lohar Hrishikesh Prasad	P	P	P	P	P	P
61	Madane Umesh Vijay	P	P	P	P	P	P
62	More Swapnil Bharat	P	P	P	P	P	P
63	Savant Shweta Anant	P	P	P	P	P	P
64	Shaikh Shaina Ismail	P	P	P	P	P	P
65	Shinde Prerana Bharat	P	P	P	P	P	P
66	Survase Tejal Dipak	P	P	P	P	P	P
67	Swami Mayuri Somnath	P	P	P	P	P	P
68	Velapure Siddhi Suresh	P	P	P	P	P	P
69	Kore Ratan Giramalla	P	P	P	P	P	P



70	Swapnil Kantilal Ubale	P	P	P	P	P	P
71	Adat Shruti Pandurang	P	P	P	P	P	P
72	Bhandare Poonam Dattatray	P	P	P	P	P	P
73	Chavan Anushka Satosh	P	P	P	P	P	P
74	Gaikwad Shivani Nagnath	A	P	P	P	P	P
75	Ghadage Neha Navanath	A	P	P	P	P	P
76	Ghadage Amruta Dattatray	A	P	P	P	P	P
77	Ghotage Tanvi Pravin	A	P	P	P	P	P
78	Jadhav Pallavi Aba	P	P	P	P	P	P
79	Jadhav Shweta Sanjay	P	P	P	P	P	P
80	Kavathekar Shraddha Sandip	P	P	A	P	P	P
81	Kolle Swarupa Dattakumar	P	P	A	P	P	A
82	Kshirsagar Divya Somnath	P	P	A	P	P	A
83	Kumbhar Akshata Ravindra			A			A
84	Mali Aarti Ashok	P	P	P	P	P	P
85	Maskar Sneha Navnath	A	P	P	P	P	P
86	Munde Srushti Suryakant	A	P	P	P	P	P
87	Naik Snehal Ravindra	P	P	P	P	P	P
88	Nanna Vaishnavi Gurupadappa	P	P	P	P	P	P
89	Nashte Charulata Prashant	P	P	P	P	P	P
90	Patil Vaibhavi Vivekanand	P	P	P	A	P	P
91	Patil Pooja Laxman	P	P	P	A	P	P
92	Pawar Yogeshree Pandit	A	P	P	A	P	P
93	Pethe Pratiksha Vitthal	A	P	P	P	P	P
94	Raut Vaishnavi Shashikant	A	P	P	P	P	P
95	Sathe Vaishnavi Sunil	P	P	P	P	P	P
96	Shivsharan Sakshi Vikas	P	P	P	P	P	P
97	Thakare Sanika Baliram	P	P	P	P	P	P
98	Upase Saloni Sujit	P	P	P	P	P	P
99	Shital Chandrakant Kedar	P	P	P	P	P	P
100	Vasmale Aparna Baliram	P	P	P	P	P	P
101	Babar Onkar Bhimrao	P	P	P	P	P	P
102	Bansode Aniket Ganpat	P	P	P	P	P	P
103	Bhosale Sushant Dattatrya	P	P	P	P	P	P
104	Deshmukh Bhushan Satish	P	P	P	P	P	P
105	Deshpande Yogiraj Raghunath	P	P	P	P	P	P
106	Dongare Nivrutee Dnyaneshwar	P	P	P	P	P	P
107	Dongare Pranav Santoshkumar	P	P	P	P	P	P



108	Ghante Abhay Shivanand	P	P	P	P	P	P
109	Ghogare Sanket Vasant	P	P	P	P	P	P
110	Gonjari Pranoj Prabhakar	P	P	P	P	P	P
111	Ingawale Vikas Suresh	P	P	P	P	P	P
112	Jadhav Abhishek Ashok	P	P	P	P	P	P
113	Jadhav Prasad Balaso	P	P	A	P	P	P
114	Jadhav Prathamesh Tukaram	P	P	A	A	P	P
115	Jagdale Pavanraj Balasaheb	P	P	P	A	A	P
116	Kale Karan Popat	P	P	P	A	A	P
117	Prashant Biraii Landage	P	P	P	A	A	P
118	Lingade Vishal Anil	P	P	P	P	A	P
119	Mali Pratik Gorakh	P	P	P	P	P	P
120	Mali Yashwant Siddheshwar	P	P	P	P	P	P
121	Mittha Aniket Rajmahendra	A	P	P	P	P	P
122	More Rohit Madhukar	A	P	P	A	P	P
123	Mujawar Arbaj Jalaluddin	A	P	P	A	P	P
124	Nikam Vijaysinh Lingdev	P	A	P	P	P	P
125	Patil Shreyash Ramchandra	P	A	P	P	P	P
126	Patil Ankit Vishwas	P	P	P	P	P	P
127	Pawar Vibhuti Ananda	P	P	P	P	P	P
128	Yaqoob Ramzan	P	P	P	P	P	P
129	Sadawarte Anant Vitthal	P	P	P	P	P	P
130	Sakhare Shubham Kiran	A	P	P	P	P	P
131	Salave Anand Dattatraya	A	P	P	P	P	P
132	Sathe Omkar Ghansham	A	P	P	P	P	P
133	Sulakhe Sushant Mukesh	A	P	P	P	P	P
134	Suru Parth Vikas	P	P	P	P	P	P
135	Thalpati Prasanna Santosh	P	P	P	P	P	P
136	Wattamwar Omraje Rahul	P	P	P	P	P	P
137	Yeole Ganesh Bandu	P	P	P	P	P	P
138	Nagane Ananda	P	P	P	P	P	P
139	Bad Harshad	P	P	A	P	P	P
140	Shaikh Harun	P	P	A	P	P	P
141	Bhosale Shailesh	P	P	A	P	P	P
142	Patil Shreyas	P	A	A	P	P	P
143	Pratibha chavan	P	A	P	P	A	A
144	Awasare Meenakshi Vithal	P	P	P	P	A	P
145	Gaygopal Reshma Bhagwan	P	P	P	P	A	P
146	Ghogardare Rushikesh Mahendra	P	P	P	P	P	P



147	Halsikar Chinmay Shripad	P	P	P	P	P	P
148	Jadhav Rupali Bramhadeo	P	P	A	P	P	P
149	Kamble Anisha Anil	P	P	P	P	P	P
150	Keskar Aditya bhagavat	P	P	P	P	P	P
151	Koshti Neha Manoj	P	P	P	P	P	P
152	Koshti Pranoti Sukhadev	P	P	P	P	P	P
153	Nagtilak suraj suryakant	P	P	P	P	P	A
154	Palkar Sayali Dhananjay	P	P	P	P	P	A
155	Pardeshi Siddhesh Shrivsingh	P	P	P	P	P	A
156	Gaikwad Rutuja Yuvaraj	P	P	P	P	P	P
157	Parkipalli Shraddha Avinash	P	P	P	P	P	P
158	Aigale Kiran Ravsaheb	P	P	P	P	P	P
159	Dongare Yogita Bhaskar	P	P	P	P	P	A
160	Tatipamul Ankita Balaji	P	P	P	P	P	P
161	Kudal Raviraj Dhondappa	P	P	P	P	P	P
162	Ingale Pradnya Tanaji	P	P	P	P	P	P

  
**HOD,**  
 Department of Computer Science & Engg  
 SVERI's C.O.E. Pandharpur

**SVERI,s College of Engineering Pandharpur**

**Department of**

**Master of Business Administration**

**Certificate Course on**

**Share Market**

**Duration 15 June to 14 Sep 2021**

**Class MBA I**

**A.Y 2020-2021**

## Resource Persons

Mr.Karan B.Patil  
BA.,MBA, M.Phil,GDC&A(PhD)  
(1. Stock Investing)

Dr.Rajshekhar R.Yelikar  
*B.Com,MBA,PhD*  
(2. Stock Valuation)

**Dr.Kamal P.Galani  
BBA,MBA,NET,PhD  
(3. Stock Movements )**

**Ms.Minal M.Bhore  
B.Pharm,MBA,M.phil(PhD)  
(4. Bond Investing)**

### *About the Institute*

Pandharpur is well known holy place for Lord Shri Vitthal temple. It is recognized as Spiritual capital of Maharashtra and popularly known as 'South Kashi' of India. Shri Vitthal Education & Research Institute (SVERI) is charitable trust formed by technocrats and established its first project as College of Engineering, Pandharpur in 1998, Approved by AICTE, New Delhi, all eligible UG Programs are NBA Accredited, Accredited by NAAC, The Institution of Engineers (India) Kolkata, & TCS Pune, ISO 9001:2015 Certified Institute, Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

### *About the Department*

The trust continuing its tradition of imparting knowledge to the Students of rural area started the Course of Master of Business Administration in the Academic Year: 2008-09. The MBA Department is one of the leading departments dedicated to provide Excellence for corporate world in the form of competent students. Focusing on overall development and need of the industries, curriculum is designed in such a way that, it will provide blend of theoretical knowledge and practical exposure.

**Certificate course on  
“Share Marketing”**

15<sup>th</sup> June- 14<sup>th</sup> Sep, 2021



Organized by  
**DEPARTMENT OF MASTER OF BUSINESS  
ADMINISTRATION**



# SVERI's College of Engineering, Pandharpur

Approved by AICTE, New Delhi; NBA Accredited for all eligible UG Programs;  
Accredited by NAAC;IEI, Kolkata& TCS, Pune. Also Certified by ISO 9001-2015.  
Affiliated to P. A. H. Solapur University, Solapur.

P.B. No. 54, Gopalpur-Ranjani Road, Gopalpur, Pandharpur-413304,  
Dist.-Solapur (Maharashtra), India

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Founder Secretary, SVERI &  
Principal, SVERI's College of Engineering, Pandharpur  
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 Prof. M. M. Pawar (Campus In-Charge)  
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**CONVENOR**

Prof. K. B. Patil  
Assistant Professor and Head,  
Department of Master of Business Administration

## COORDINATORS

Prof. P. S. More (moreps@coe.ernet.in)

ORGANIZING COMMITTEE

Prof. K. B. Patil Prof. M. M. Bhore  
Prof. P. S. More



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Certified Institute



ISO 9001:2015  
TUV Rheinland  
Quality Management System



## REPORT

The Department of Master of Business Administration conducted a Certificate course on Share Market from 15/06/2021 to 14/09/2021. The resource person for this certificate course was Faculty member of MBA department from SVERI's COE, Pandharpur. In this certificate course the student got the detail knowledge about Stock market are a favorite investment avenue amongst investors globally. Great, quick returns, growth potential and the thrill of participating in trading have attracted millions to this business. Plus, the facility to earn second income has made stocks hugely popular. Like any other business, stock trading too comes with its own set of risk. Therefore, if you want to make it big in stock market, you must learn the intraday trading ropes. You can gain an insight into technicalities, tricks and tweaks along with the risks of stock market by taking up a formal training.. Total 67 students of MBA-I participated in this certificate course. All the faculty members from MBA department worked actively for the successful completion of certificate course.

The Course outcomes for this course are:

This course aim at giving a comprehensive understanding on the stock market operations in terms of its structure, trading, settlement procedures, processes and related components and the regulations, emerging challenges in the Indian Stock market.

Coordinator

Prof. P. S. More

HOD

Prof. K. B. Patil

**H. O. D.**

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Certified Institute



ISO 9001:2015  
TUV Rheinland  
Certified Quality Management System



Date 10/06/2021

## **Department of Master of Business administration**

### **Notice**

All the students of MBA I. are informed to note that, it is compulsory for students of MBA I to complete Certificate course on Share Market from the A.Y.2020-2021. Accordingly, Department of MBA has organized certificate Course on 'Share Market' from 15 th June 2021 to 14 th Sep 2021. Students should take note of the curriculum, examination pattern, etc. of the said course. Regular attendance for the lectures of said course will ensure satisfactory performance in the final examination.

All the concerned should take note and act accordingly.

Prof. K. B. Patil

**HOD, MBA**  
**H. O. D.**

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## COLLEGE OF ENGINEERING, PANDHARPUR

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Ref. No.: COEP/MBA/2021-2022/248

Date:-08/07/2021



ISO 9001:2015



## OFFICE ORDER

Following committee has been constituted for Design and Development of Curriculum for **Add on Course 'Share Market'** for MBA I. (MBA) of Academic Year: 2020-2021.

Sr. No.	Name of Faculty Member	Particular
1.	Prof. K. B. Patil	Chairman
2.	Prof. M. M. Bhore	Member
3.	Prof. P.S. More	Member

The above members are requested to design the curriculum for the said Add on Course and submit final copy of the curriculum to the undersigned on or before 12/06/2021.

Please take a note of the same and act accordingly.

**(Prof. K. B. Patil)**  
**Head, MBA.**

**H. O. D.**

Master of Business Administration  
C. O. E. Pandharpur

## **Syllabus on Share Markrt**

### **1. Stock Investing**

Stock fundamentals

Stock indices

Liquidity

Dividend yields

Exchange traded funds

### **2. Stock Valuation**

Market capitalization

Enterprise value

P/E Ratios

Shortfalls of P/E ratios

EV/EBITDA multiples

Intro to DCF modeling

CAPM and cost of capital

### **3. Stock Movements**

Earnings releases

Analyst earnings estimates

Economic data

Interest rates and the Federal Reserve

Earnings transcripts and company presentations

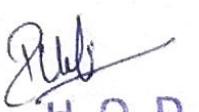
### **4. Bond Investing**

Types of bonds

Bond prices, yields, and spreads

Credit ratings and risk

Bankruptcy



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Master of Business Administration  
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SVERI's College of Engineering Pandharpur

MBA Department

A.Y 2020-2021

MBA I Share Market

Roll No.	Name of the Student
1	Anuse Navnath Uttam
2	Autade Prajakta Sukhdeo
3	Babar Saurabh Abhimanyu
4	Bandpatte Rahul Shivlal
5	Bhoi Anil Gajanan
6	Bhoite Prashant Ganpati
7	Budhaner Gayatri Balasaheb
8	Chature Ashwini Sureshrao
9	Chaware Saurabh Dasharath
10	Chavare Pooja Dnyaneshwar
11	Chopade Nayan Annasaheb
12	Dahihande Pooja Mohan
13	Dasawat Rutuja Mahadev
14	Deshmukh Rasika Mahesh
15	Dhekale Akshay Shivaji
16	Doiphode Vaibhav Audumbar
17	Gaikwad Abhijit Mahadev
18	Gaikwad Nitin Mohan
19	Gaikwad Samadhan Machindra
20	Gaikwad Sanjana Sudhakar
21	Kale Kshitija Shividas
22	Gaikwad Sonali Pandurang
23	Ghadage Trupti Annaso
24	Ghanti Bhakti Yallappa
25	Hajare Prathamesh Ramesh
26	Hingmire Shamai Rameshwar
27	Ingale Pratiksha Shivaji
28	Jadhav Pratiksha Sambhaji
29	Jadhav Sourabh Arun
30	Jamadade Kundalik Lahu
31	Jawale Savita Bharat
32	Joshi Prajakta Chandrakant
33	Kedar Suresh Mahadev
34	Khare Prajakta Suresh
35	Kolekar Snehal Sanjay
36	Khandagale Sunaina Sunil
37	Kshirsagar Geeta Bataso
38	Kulkarni Shradha Anant
39	Mahamuni Swaranyali Ganesh
40	Mane Dipali Prakash

  
Visitor of Engineering & Technology  
C. O. C. Pandharpur

41	Misal Tejashri Satish
42	More Sarika Saudagar
43	More Swapnali Goipnath
44	More Vaibhav Ramesh
45	Mulani Farukh Rasul
46	Nimangare Swati Rajaram
47	Patil Pooja Dattatray
48	Patil Rohit Rohidas
49	Patil Vikrant Chetan
50	Pawar Prtiksha Haribhau
51	Pawar Vikram Ramesh
52	Phakade Rupali Nagesh
53	Punekar Radhika Vasant
54	Rajput Pooja Vijaysing
55	Ranadive Sonam Manohar
56	Raut Yogesh Bhimrao
57	Salunkhe Anushaka Dnyaneshwar
58	Saradar Sangram Vishvasrao
59	Sarate Anand Pramod
60	Sartape Rutuja Dattatray
61	Sarvade Snehal Tanaji
62	Shembade Aishwarya Ankush
63	Shiktode Moharna Arun
64	Tad Digambar Dattatray
65	Upase Niketan Lahu
66	Varpe Jayashri Namdev
67	Virdhe Aishwarya Yogesh

*Rutu*  
H. O. D.

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### Duration and examination scheme of the certificate course

Duration of the course- 40 hours

Examination scheme- 50 marks exam after the course

Attendance- minimum 80% attendance is required

Qualification criterion 40% ( Passing )

(Prof. K. B. Patil)

**Head, MBA.**

**H. O. D.**

Master of Business Administration  
C. O. E. Pandharpur