



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)
DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050
Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : coekolhapur@bharatividyaapeeth.edu

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

NAAC SSR CYCLE- 2



Criterion 3	Research, Innovations and Extension
Key Indicator 3.5	Collaboration
3.5.1. Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years	

Name of the MoU/linkage: Pro Automater Robotics Automation, Kolhapur

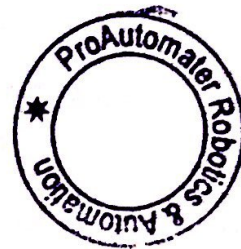
Name of actual activity: Students workshop on “PLC and SCADA”



MEMORANDUM OF UNDERSTANDING

Between

Bharati Vidyapeeth's College of Engineering, Kolhapur



And

ProAutomater Robotics & Automation

This Memorandum of Understanding (MOU) is to be signed between **Bharati Vidyapeeth's College of Engineering, Kolhapur** and **ProAutomater** on dated **25/02/2019** to promote industry and institute interaction for the mutual benefits of two signing organizations.

It will include the following general cooperative areas like-

1. Training programs through faculty exchange.
2. Industry institute resource sharing to develop the human resource.
3. Extend participation for attending seminars, national and international conferences.
4. Opportunity for the faculty or person from the signing industry to work on a specific project or research activity.
5. Assistance of industry experts in curriculum development.
6. To acquaint the students and faculties on job functions, current industrial practices, new technologies and practical methodologies.
7. Opportunity for Students regarding Industrial Visit / Student internship / Placement opportunities whenever applicable.

General terms of the MOU:

1. The MOU will come into effect from the date of signing of the MOU between two parties and will be valid till such time it is not terminated or closed with mutual consent between the two parties.
2. The MOU can be terminated without any justification or reason through a letter by any of the two organizations without any financial liability or obligation for compensation for the termination.
3. There shall be no financial obligation between the two signing parties and all the agreed activities will be conducted with mutual consent and understanding.

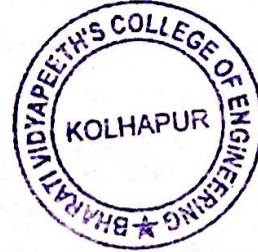
4. All the documents and data emerging from the research activities carried out by the faculty or industry person will be the property of two signing organizations

This MOU is signed in the presence of:

1. Dr. Vijay R Ghorpade,
Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur.
2. Mr. Onkar Todkar,
Director, ProAutomater Robotics And Automation, Kolhapur.



ProAutomater



**Bharati Vidyapeeth's College of Engineering
Kolhapur**

1. Sign: 

2. Name: Mr. Onkar Todkar

3. Designation: Director, PROAUTOMATER

Date: 25/02/2019

1. Sign: 
Principal

**Bharati Vidyapeeth's
College of Engineering, Kolhapur**

3. Designation

Date: 25/02/2019



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics and Telecommunication Engineering
- **Name of Activity:** Workshop on “PLC and SCADA”
- **Name of Coordinator:** Mrs. A.H.Tirmare
- **Date of Activity:** 27th Feb to 2nd Mar 2019
- **Number of Participants:** 40
- **Details of Activity:** Four Days Workshop on “PLC and SCADA” was organized by Department of Electronics and Telecommunication Engineering for Final year Students. Total 40 number of students participated in this workshop. Presentation and hands on sessions are conducted on PLC programming and SCADA.
- **Name of Resource Person:** Mr. Dinesh Dhumal (PROAUTOMATER Robotics & Automation Kolhapur.)

Day	Presentation & Hands on session
1	Switches – Push Buttons, Toggle Switch NO & NC contact, Relay, Contactor. Transistor – PNP & NPN transistor. Timer – Mechanical timer, Electronics IC timer. Sensor – Magnetic sensor, Limit Switch Float Sensor, Proximity Sensor.
	PLC :- Programmable Logic Controller Basics Of PLC: 1) Role of PLC in Automation. 2) Introduction to PLC Hardware. 3) Block Diagram Of PLC 4) Introduction to Field Devices Attaches to PLC. 5) Types of Input and Output. 6) Sink & Source Concept. 7) Protocols Used in PLC communication
2 & 3	PLC (Allen Bradley): 1) Introduction to PLC Software 2) Addressing Concept 3) Implementation of Logic Gates in Ladder Logic 4) Monitoring & Modifying Data Table 5) Forcing Input & Output 6) Communication of PLC & Microsoft Excel 7) Programming Instruction: a) Bit b) Timer c) Counter d) Arithmetic e) Logical f) Scaling (For analog Input)
4	Supervisory Control And Data Acquisition (SCADA) : 1) Creating New SCADA Application 2) Creating & Editing Display With animation 3) Creating Real & Historical Trend 4) Creating alarms & Events 5) Writing Logic Through Script 6) Connectivity With Database(Excel) 7) Communication of PLC & SCADA.



1. Outcome of Activity:

1. Students are able to work in team.
2. Students are able to apply the PLC programming knowledge acquired during their course of studies.
3. Students are able to identify, formulate and solve the real world problem in Industrial Automation

Mrs. A. H. Tirmare
Coordinator

Dr. K. R. Desai
HOD

Dr. V.R. Ghorpade
Principal



**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR**

FOUNDER & CHANCELLOR

Dr. Patangrao Kadam

M.A., LL. B., Ph. D.

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PRINCIPAL

Dr. Vijay Ghorpade

M.E., Ph. D. (Computer)

To,

Mr.Dinesh Dhumal

ProAutomater Pvt.Ltd.

Kolhapur.

Dear Sir,

We take this opportunity to invite you to conduct four days Workshop on “PLC and SCADA Programming” For third year of our Institute. This workshop is organized by BVCOEK Department of Electronics & Telecommunication Engineering from 27-2-2019 to 2-3-2019 from 10.00 am to 5.00 pm in ETC Department. Hope this workshop will provide premier forum for the discussion of new advances in field of PLC & SCADA.

In this regard we invite you as resource person for this workshop. Hope u will accept invitation and cooperate.

Thanking You

PRINCIPAL

Dr.Vijay. R.Ghorpade



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PRINCIPAL

Dr. Vijay Ghorpade

M.E., Ph. D. (Computer)

To,

Mr.Dinesh Dhumal

ProAutomater Pvt.Ltd.

Kolhapur.

Dear Sir,

We would like to extend our warm thanks to you for conducting 6 days workshop on “PLC and SCADA Programming” from 27-2-2019 to 2-3-2019 from 10.00 a.m to 5.00 p.m. in ETC Department. We hope your valuable guidance will be beneficial to our students for curriculum as well as in their future.

We genuinely thank you once again for the support and time given by you and sincerely hope that you would continue to extend your valuable support and cooperation in our future initiatives as well.

Thanking You,

Dr.V.R.Ghorpade

PRINCIPAL

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

WORKSHOP ON PLC AND SCADA

ATTENDANCE

Day & Date: 2 Mar 2019 Saturday

Sr.No	Name of Student	Session-I	Session-II	Session-III
1.	Patil Diksha M	Patil	Patil	Patil
2.	Patil Kalyani K.	Kpatil	Kpatil	Kpatil
3.	Patil Priyanka G	Ppatil	Ppatil	Ppatil
4.	Patil Rohini R	Rpatil	Rpatil	Rpatil
5.	Patil Sanhita V	Spatil	Spatil	Spatil
6.	Pavase Rakshanda D	Ppavase	Ppavase	Ppavase
7.	Powar Shivani S	Ppowar	Ppowar	Ppowar
8.	Sankpal Prajakta T	Psankpal	Psankpal	Psankpal
9.	Shinde Pooja S	Pshinde	Pshinde	Pshinde
10.	Shinde Shital S	Shinde	Shinde	Shinde
11.	Shirke Pooja D	Shirke	Shirke	Shirke
12.	Sutar Tushar R	Tsutar	Tsutar	Tsutar
13.	Tashildar Soyaf A	ATashildar	ATashildar	ATashildar
14.	Wadar Sunil D	Wadar	Wadar	Wadar
15.	Walikar Nilofar S	NWalikar	NWalikar	NWalikar
16.	Zade Bhushan S	Bzade	Bzade	Bzade
17.	Joshi Satej M	Sonyoshi	Sonyoshi	Sonyoshi
18.	Hokale Mayur D	Mhokale	Mhokale	Mhokale
19.	Sathe Nilesh M	Msathe	Msathe	Msathe

20.	Potdar Jyoti D	<u>Potdar</u>	<u>Potdar</u>	<u>Potdar</u>
21.	Abdar Suraj S	<u>Abdar</u>	<u>Abdar</u>	<u>Abdar</u>
22.	Arade Nishant N	<u>Arade</u>	<u>Arade</u>	<u>Arade</u>
23.	Bhojkar Namrata K	<u>NBhojkar</u>	<u>NBhojkar</u>	<u>NBhojkar</u>
24.	Bhosale Akshay J	<u>ABhosale</u>	<u>ABhosale</u>	<u>ABhosale</u>
25.	Dhenukshe Neha R	<u>Dhenukshe</u>	<u>Dhenukshe</u>	<u>Dhenukshe</u>
26.	Dinde Suraj N	<u>Dinde</u>	<u>Dinde</u>	<u>Dinde</u>
27.	Gaikwad Adityaa S	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
28.	Ingrole Nupur A	<u>Ingrole</u>	<u>Ingrole</u>	<u>Ingrole</u>
29.	Jadhav Akshay S	<u>ABadhav</u>	<u>ABadhav</u>	<u>ABadhav</u>
30.	Jadhav Omkar S	<u>ABadhav</u>	<u>ABadhav</u>	<u>ABadhav</u>
31.	Jamdar-Velhal Surabhi	<u>ABadhav</u>	<u>ABadhav</u>	<u>ABadhav</u>
32.	Kamble Ashish P	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
33.	Landage Rohini M	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>
34.	More Deepak M	<u>More</u>	<u>More</u>	<u>More</u>
35.	Patil Niranjan M	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
36.	Pawale Anuja S	<u>ABawale</u>	<u>ABawale</u>	<u>ABawale</u>
37.	Surywanshi Adesh K	<u>ASury</u>	<u>ASury</u>	<u>ASury</u>
38.	Sabale Rahul	<u>BSabale</u>	<u>BSabale</u>	<u>BSabale</u>
39.	Khamkar Shrushti R	<u>BKhamkar</u>	<u>BKhamkar</u>	<u>BKhamkar</u>
40	Suraj Pawar	<u>SPawar</u>	<u>SPawar</u>	<u>SPawar</u>

AN
Coordinator

SP
HOD

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

WORKSHOP ON PLC AND SCADA

ATTENDANCE

Day & Date: 28 Feb 2019 Thursday

Sr.No	Name of Student	Session-I	Session-II	Session-III
1.	Patil Diksha M	<u>Patil</u>	<u>Patil</u>	
2.	Patil Kalyani K.	<u>Kalyani</u>	<u>Kalyani</u>	<u>Kalyani</u>
3.	Patil Priyanka G	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
4.	Patil Rohini R	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
5.	Patil Sanhita V	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
6.	Pavase Rakshanda D	<u>Pavase</u>	<u>Pavase</u>	<u>Pavase</u>
7.	Powar Shivani S	<u>Powar</u>	<u>Powar</u>	<u>Powar</u>
8.	Sankpal Prajakta T	<u>Sankpal</u>	<u>Sankpal</u>	<u>Sankpal</u>
9.	Shinde Pooja S	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
10.	Shinde Shital S	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
11.	Shirke Pooja D	<u>Shirke</u>	<u>Shirke</u>	<u>Shirke</u>
12.	Sutar Tushar R	<u>Sutar</u>	<u>Sutar</u>	<u>Sutar</u>
13.	Tashildar Soyaf A	<u>Tashildar</u>	<u>Tashildar</u>	<u>Tashildar</u>
14.	Wadar Sunil D	<u>Wadar</u>	<u>Wadar</u>	<u>Wadar</u>
15.	Walikar Nilofar S	<u>Walikar</u>	<u>Walikar</u>	<u>Walikar</u>
16.	Zade Bhushan S	<u>Zade</u>	<u>Zade</u>	<u>Zade</u>
17.	Joshi Satej M	<u>Joshi</u>	<u>Joshi</u>	<u>Joshi</u>
18.	Hokale Mayur D	<u>Mayur</u>	<u>Mayur</u>	<u>Mayur</u>
19.	Sathe Nilesh M	<u>Sathe</u>	<u>Sathe</u>	<u>Sathe</u>

20.	Potdar Jyoti D	<u>Potdar</u>	<u>Potdar</u>	<u>Potdar</u>
21.	Abdar Suraj S	<u>Abdar</u>	<u>Abdar</u>	<u>Abdar</u>
22.	Arade Nishant N	<u>Arade</u>	<u>Arade</u>	<u>Arade</u>
23.	Bhojkar Namrata K	<u>NBhojkar</u>	<u>NBhojkar</u>	<u>NBhojkar</u>
24.	Bhosale Akshay J	<u>ABhosale</u>	<u>ABhosale</u>	<u>ABhosale</u>
25.	Dhonukshe Neha R	<u>Adhonukshe</u>	<u>Adhonukshe</u>	<u>Adhonukshe</u>
26.	Dinde Suraj N	<u>Dinde</u>	<u>Dinde</u>	<u>Dinde</u>
27.	Gaikwad Adityaa S	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
28.	Ingrole Nupur A	<u>Ingrole</u>	<u>Ingrole</u>	<u>Ingrole</u>
29.	Jadhav Akshay S	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
30.	Jadhav Omkar S	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
31.	Jamdar-Velhal Surabhi	<u>Jamdar</u>	<u>Jamdar</u>	<u>Jamdar</u>
32.	Kamble Ashish P	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
33.	Landage Rohini M	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>
34.	More Deepak M	<u>More</u>	<u>More</u>	<u>More</u>
35.	Patil Niranjan M	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
36.	Pawale Anuja S	<u>Pawale</u>	<u>Pawale</u>	<u>Pawale</u>
37.	Surywanshi Adesh K	<u>Sury</u>	<u>Sury</u>	<u>Sury</u>
38.	Sabale Rahul	<u>Sabale</u>	<u>Sabale</u>	<u>Sabale</u>
39.	Khamkar Shrushti R	<u>Khamkar</u>	<u>Khamkar</u>	<u>Khamkar</u>
40	Suroj Pawar	<u>Spawar</u>	<u>Spawar</u>	<u>Spawar</u>

Coordinator

HOD

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

WORKSHOP ON PLC AND SCADA

ATTENDANCE

Day & Date: 27 Feb 2019, Wednesday

Sr.No	Name of Student	Session-I	Session-II	Session-III
1.	Patil Diksha M	<u>Patil</u>		
2.	Patil Kalyani K.	<u>Kpatil</u>	<u>Kpatil</u>	<u>Kpatil</u>
3.	Patil Priyanka G	<u>Ppatil</u>	<u>Ppatil</u>	<u>Ppatil</u>
4.	Patil Rohini R	<u>Ppatil</u>	<u>Ppatil</u>	<u>Ppatil</u>
5.	Patil Sanhita V	<u>Spatil</u>	<u>Spatil</u>	<u>Spatil</u>
6.	Pavase Rakshanda D	<u>Ppavase</u>	<u>Ppavase</u>	<u>Ppavase</u>
7.	Powar Shivani S	<u>Ppowar</u>	<u>Ppowar</u>	<u>Ppowar</u>
8.	Sankpal Prajakta T	<u>Psankpal</u>	<u>Psankpal</u>	<u>Psankpal</u>
9.	Shinde Pooja S	<u>Pshinde</u>	<u>Pshinde</u>	<u>Pshinde</u>
10.	Shinde Shital S	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
11.	Shirke Pooja D	<u>Pshirke</u>	<u>Pshirke</u>	<u>Pshirke</u>
12.	Sutar Tushar R	<u>Tsutar</u>	<u>Tsutar</u>	<u>Tsutar</u>
13.	Tashildar Soyaf A	<u>Atashildar</u>	<u>Atashildar</u>	<u>Atashildar</u>
14.	Wadar Sunil D	<u>Dwadar</u>	<u>Dwadar</u>	<u>Dwadar</u>
15.	Walikar Nilofar S	<u>Nwalikar</u>	<u>Nwalikar</u>	<u>Nwalikar</u>
16.	Zade Bhushan S	<u>Bzade</u>	<u>Bzade</u>	<u>Bzade</u>
17.	Joshi Satej M	<u>Sjoshi</u>	<u>Sjoshi</u>	<u>Sjoshi</u>
18.	Hokale Mayur D	<u>Mhokale</u>	<u>Mhokale</u>	<u>Mhokale</u>
19.	Sathe Nilesh M	<u>Nsathe</u>	<u>Nsathe</u>	<u>Nsathe</u>

20.	Potdar Jyoti D	<u>Potdar</u>	<u>Potdar</u>	<u>Potdar</u>
21.	Abdar Suraj S	<u>Abdar</u>	<u>Abdar</u>	<u>Abdar</u>
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25.	Dhonukshe Neha R	<u>NHuksha</u>	<u>NHuksha</u>	<u>NHuksha</u>
26.	Dinde Suraj N	<u>Dinde</u>	<u>Dinde</u>	<u>Dinde</u>
27.	Gaikwad Adityaa S	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
28.	Ingrole Nupur A	<u>Ingrole</u>	<u>Ingrole</u>	<u>Ingrole</u>
29.	Jadhav Akshay S	<u>Adadhav</u>	<u>Adadhav</u>	<u>Adadhav</u>
30.	Jadhav Omkar S	<u>OmkarJ</u>	—	<u>omakarJ</u>
31.	Jamdar-Velhal Surabhi	<u>Jalavi</u>	<u>Jalavi</u>	<u>Jalavi</u>
32.	Kamble Ashish P	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
33.	Landage Rohini M	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>
34.	More Deepak M	<u>MORE</u>	<u>MORE</u>	<u>MORE</u>
35.	Patil Niranjan M	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
36.	Pawale Anuja S	<u>Pawale</u>	<u>Pawale</u>	<u>Pawale</u>
37.	Surywanshi Adesh K	<u>Asury</u>	<u>Asury</u>	<u>Asury</u>
38.	Sabale Rahul	<u>BSabale</u>	<u>BSabale</u>	<u>BSabale</u>
39.	Khamkar Shrushti R	<u>Shamkar</u>	<u>Shamkar</u>	<u>Shamkar</u>
40	Suraj Pawar	<u>Spawar</u>	<u>Spawar</u>	<u>Spawar</u>

AS
Coordinator

HOD
HOD

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

WORKSHOP ON PLC AND SCADA

ATTENDANCE

Day & Date: 1 Mar 2019 Friday

Sr.No	Name of Student	Session-I	Session-II	Session-III
1.	Patil Diksha M	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
2.	Patil Kalyani K.	<u>Kpatil</u>	<u>Kpatil</u>	
3.	Patil Priyanka G	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
4.	Patil Rohini R	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
5.	Patil Sanhita V	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
6.	Pavase Rakshanda D	<u>Pavase</u>	<u>Pavase</u>	<u>Pavase</u>
7.	Powar Shivani S	<u>Powar</u>	<u>Powar</u>	<u>Powar</u>
8.	Sankpal Prajakta T	<u>Sankpal</u>	<u>Sankpal</u>	<u>Sankpal</u>
9.	Shinde Pooja S	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
10.	Shinde Shital S	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
11.	Shirke Pooja D	<u>Shirke</u>	<u>Shirke</u>	<u>Shirke</u>
12.	Sutar Tushar R	<u>Tutar</u>	<u>Tutar</u>	<u>Tutar</u>
13.	Tashildar Soyaf A	<u>Tashildar</u>	<u>Tashildar</u>	<u>Tashildar</u>
14.	Wadar Sunil D	<u>Wadar</u>	<u>Wadar</u>	<u>Wadar</u>
15.	Walikar Nilofar S	<u>Walikar</u>	<u>Walikar</u>	<u>Walikar</u>
16.	Zade Bhushan S	<u>Zade</u>	<u>Zade</u>	<u>Zade</u>
17.	Joshi Satej M	<u>Joshi</u>	<u>Joshi</u>	<u>Joshi</u>
18.	Hokale Mayur D	<u>Hokale</u>	<u>Hokale</u>	<u>Hokale</u>
19.	Sathe Nilesh M	<u>Sathe</u>	<u>Sathe</u>	<u>Sathe</u>

20.	Potdar Jyoti D	<u>Potdar</u>	<u>Potdar</u>	<u>Potdar</u>
21.	Abdar Suraj S	<u>Abdar</u>	<u>Abdar</u>	<u>Abdar</u>
22.	Arade Nishant N	<u>Arade</u>	<u>Arade</u>	<u>Arade</u>
23.	Bhojkar Namrata K	<u>NBhojkar</u>	<u>NBhojkar</u>	<u>NBhojkar</u>
24.	Bhosale Akshay J	<u>Abhosale</u>	<u>Abhosale</u>	<u>Abhosale</u>
25.	Dhonukshe Neha R	<u>Nhukshe</u>	<u>Nhukshe</u>	<u>Nhukshe</u>
26.	Dinde Suraj N	<u>Dinde</u>	<u>Dinde</u>	<u>Dinde</u>
27.	Gaikwad Adityaa S	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
28.	Ingrole Nupur A	<u>Wingrole</u>	<u>Wingrole</u>	<u>Wingrole</u>
29.	Jadhav Akshay S	<u>Ad-Jadhav</u>	<u>Ad-Jadhav</u>	<u>Ad-Jadhav</u>
30.	Jadhav Omkar S	<u>Oadhav</u>	<u>Oadhav</u>	<u>Oadhav</u>
31.	Jamdar-Velhal Surabhi	<u>Jalabhi</u>	<u>Jalabhi</u>	<u>Jalabhi</u>
32.	Kamble Ashish P	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
33.	Landage Rohini M	<u>Landage</u>	<u>Landage</u>	<u>Landage</u>
34.	More Deepak M	<u>More</u>	<u>More</u>	<u>More</u>
35.	Patil Niranjan M	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
36.	Pawale Anuja S	<u>Pawale</u>	<u>Pawale</u>	<u>Pawale</u>
37.	Surywanshi Adesh K	<u>Sury</u>	<u>Sury</u>	<u>Sury</u>
38.	Sabale Rahul	<u>RSabale</u>	<u>RSabale</u>	<u>RSabale</u>
39.	Khamkar Shrushti R	<u>Khamkar</u>	<u>Khamkar</u>	<u>Khamkar</u>
40	suraj Pawar	<u>Spawar</u>	<u>Spawar</u>	<u>Spawar</u>

AD
Coordinator

BBM
HOD



BHARATI VIDYAPEETH'S



COLLEGE OF ENGINEERING, KOLHAPUR.


Department of Electronics & Telecommunication Engineering
in collaboration with


ProAutomater Robotics & Automation, Kolhapur.

CERTIFICATE

This is to Certify, that Mr./Miss. *Patil Diksha M*
of Bharati Vidyapeeth's College of Engineering, Kolhapur has participated in short Term
Training Programme on "PLC & SCADA" held from 28th feb to 2nd march 2019.


Mr. Onkar Todkar
Director, ProAutomater


Mrs. A.H. Tirmare
Co-Ordinators (E&Tc)


Dr. K. R. Desai
HOD (E&Tc)


Dr. V. R. Ghorpade
Principal, BVCOEK