



## 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](mailto:coekolhapur@bharatividyaapeeth.edu)

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

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

# NAAC SSR CYCLE- 2



Criterion 1	Curricular Aspects
Key Indicator 1.2	Academic Flexibility
1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc. as against the total number of students during the last five years	



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Workshop on on “PLC Programming”
- **Course Code:** ME181902
- **Name of Coordinator:** Mr.J G Shinde
- **Name of Resource Person:** - Mr.Dinesh Dhumal,Mr.Akash Dongale
- **Date of Activity:** 05/03/2019 to 14/03/2019.
- **Participants:** Final Year Mechanical Students.
- **Details of Activity:**
  - Introduction to PLC
  - PLC Advantages over Microcontrollers
  - Basics of Ladder Diagram & Area of Applications
  - Introduction To RSLogix Downloading a Ladder Program in PLC.
  - ,How To Take Input From Panel, How To Give Output
  - Hands on PLC training Kit.
- **Outcome of Activity:**

Students, Faculty get information about **PLC** in Mechanical Engineering.
- **Photos:**



**Mr. S. J. Kadam**

**HOD**

**Dr. V. R. Ghorpade**

**Principal**

To  
The Principal  
B.V.C.O.E. Kolhapur

**Subject:** Regarding permission to organize workshop on **PLC**.

Respected Sir,


We are from Mechanical Engineering Department going to arrange four days workshop on "**Programmable Logic Control**" for the Final year Mechanical Engineering students in fourth week of February. The resource persons will be Mr. Dinesh Dhumal and Akash Dongale from Proautomater, Kolhapur.

The objective of this workshop is to create awareness and knowledge up gradation among student about Mechatronics system through "**Programmable Logic Control**".

Please give us permission to arrange this workshop at Mechanical Engineering Department.

Permitted  
J.B. 11/2

Yours Faithfully,

  
Prof. S.J. Kadam

H.O.D Mech.

To,  
Dr. V. R. Ghorpade,  
Principal, Bharati Vidyapeeth College of Engineering,  
Kolhapur.

Subject: Regarding 4 day course (workshop) Mechatronics & Industrial Automation.

Kind Attention: Prof S. J. Kadam, HOD, Mechanical Engineering Department.

Respected Sir/Madam,

This has reference to Industrial Automation course for Students and Faculty. After completion of Education in different streams of technical studies, graduates and post-graduates have to face Micro PLC, advanced PLC, HMI, SCADA, different types of programmable timers, programmable counters and variety of electronic sensors on the work floor most of the time. They have a good hold over theoretical knowledge of the above mentioned things but might lack hands on training type experience regarding them.

Keeping all the above mentioned snags in view we at ProAutomater with coordination from Mechanical Department, have developed a 4 - day Mechatronics & industrial automation course (Workshop) for these students (Which is attached for your kind perusal.) We are sure this course will be useful for them for their projects, oral examinations, Interviews through their career as a technical graduate and post graduate professionals.

This is a theory and practical course (workshop). After learning the theory of the respected topic students will perform the practical on the PLC Kits. They will also get a certificate after the completion of the course.

Fees Per Student: 500/-

Our Expert Trainer: Mr. Dinesh Dhumal.

Ass. Trainer: Mr. Akash Dongale.

Hoping for positive reply for the workshop to be conducted at your Institute.

Thanks & Regards,

ProAutomater,  
4th Lane, Rajarampuri,  
Kolhapur.

**Requirements:**

- 1) LCD Projector, Extension Board, 24 V DC Adapter.
- 2) Black/White Board & Marker/Duster.
- 3) One Computer for each student (Can share if necessary).
- 4) Accommodation & food (Breakfast, Lunch & Dinner) for two.



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FOUNDER & CHANCELLOR

**Dr. Patangrao Kadam**

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

PRINCIPAL

**Dr. Vijay Ghorpade**

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

02/02/2019

### Thanking Letter

Mr.Onkar Todkar,  
Pro-Autometers, Kolhapur.

Dear Sir/Madam,

On behalf of our Mechanical Engineering Department, Bharati Vidyapeeth college of Engineering, Kolhapur. We would like to express our gratitude to you for the workshop on **“Programmable Logic Controller”**.

I thank you from the bottom of my heart for taking time from your busy schedule to be the expert recourse person for this workshop. Everyone present for workshop was not only in awe of your knowledge, but also greatly impressed by your presenting style. It would be our immense pleasure to invite you once more to spread awareness around the subject in the near future.

I look forward to our next interaction soon. Wish you great health and success with all your future endeavors.

Thanking you!

Yours Sincerely,

Dr. Sunil J. Kadam  
HoD

(Mechanical Engineering Department)  
Bharati Vidyapeeth's college of Engineering, Kolhapur

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**PLC WORKSHOP TRAINING ATTENDANCE SHEET OF BE A DIV.**

ROLL NO	NAME OF STUDENT	DATE 11/03/2019		
		SESSION 1	SESSION 2	SESSION 3
1	Alave Akash Ashok	Alave	Alave	Alave
2	Ambi Akshay Mallappa	Ambi	Ambi	Ambi
3	Bansode Akshay Bhausaheb	AB	AB	
4	Bansode Suraj Suresh	Suraj	Suraj	Suraj
5	Barapatre Gaurav Raju	Gaurav	Gaurav	
6	Barge Onkar Prabhakar	Barge	Barge	Barge
7	Basavraj Raju Bhorshetti	Basav	Basav	Basav
8	Bhaskar Mohan S	Bhaskar	Bhaskar	Bhaskar
9	Chougule Nikhil	Chougule	Chougule	Chougule
10	Bhonde Neeraj Sandeep	N. Bhonde	N. Bhonde	N. Bhonde
11	Bhosale Vivek Annaso	Bhosale	Bhosale	Bhosale
12	Channewadkar Sandeep N	Channewadkar	Channewadkar	Channewadkar
13	Chavan Akshay Ramchandra	Chavan	Chavan	Chavan
14	Chavan Roshankumar Dilip	Chavan	Chavan	Chavan
15	Dhansure Datta Dhanaji	Dhansure	Dhansure	Dhansure
16	Dhekale Jotiba Sanjay	Dhekale	Dhekale	Dhekale
17	Durugkar Sagar Pravin	Durugkar	Durugkar	Durugkar
18	Gaikwad Kiran Vilas	GA	GA	
19	Gandhi Saurabh Uttam	S.G. Gandhi	S.G. Gandhi	S.G. Gandhi
20	Giram Pravin Datta	Giram	Giram	Giram
21	Ingale Umajirao Udaysinh	Ingale	Ingale	Ingale
22	Jadhav Aadhinath Suresh	Jadhav	Jadhav	Jadhav
23	Jadhav Shrinivas Shrimant	Jadhav	Jadhav	Jadhav
24	Jadhav Vishwajeet Amrut	Jadhav	Jadhav	Jadhav
25	Kadam Abhijit Ashok	Kadam	Kadam	Kadam
26	Kadam Atul Ramesh	Kadam	Kadam	Kadam
27	Kadam Digvijay Dattatray	Kadam	Kadam	Kadam
28	Kadam Sourav Ashok	Kadam	Kadam	Kadam
29	Kadam Varun Jitendra	Kadam	Kadam	Kadam
30	Kale Prasad Nagesh	Kale	Kale	Kale
31	Kambale Prem Dattatray	Kambale	Kambale	Kambale
32	Sonurlekar Swapneel Shashikant	Sonurlekar	Sonurlekar	Sonurlekar
33	Kawade Rhushikesh Anil	Kawade	Kawade	Kawade
34	Kekare Viraj Vilas	Kekare	Kekare	Kekare
35	Khair Dnyaneshwar Audumber	Khair	Khair	Khair
36	Khalipe Vaibhav Jagannath	Khalipe	Khalipe	Khalipe
37	Kambale Rutuparn	KA	KA	
38	Khatake Suraj Shubhash	KA	KA	
39	Kirtane Gourav Rajarao	Kirtane	Kirtane	Kirtane
40	Koli Mahantesh Mallikarjun	Koli	Koli	Koli

41	Koujalagi Sammed Suresh	<del>Koujalagi</del>	<del>Koujalagi</del>	<del>Koujalagi</del>
42	Kulkarni Sarvesh Makrand	<del>Artni</del>	<del>Artni</del>	<del>Artni</del>
43	Kumbhar Nitesh Namdeo	<del>A13</del>	<del>A13</del>	<del>A13</del>
44	Kumbhar Prathamesh R	<del>P. Kumbhar</del>	<del>P. Kumbhar</del>	<del>P. Kumbhar</del>
45	Kurade Shailesh Prakash	<del>Phade</del>	<del>Phade</del>	<del>Phade</del>
46	Malakar Swapnil Suresh	<del>A13</del>	<del>A13</del>	<del>A13</del>
47	Mandare Vishal Gopal	<del>V.G. Mandare</del>	<del>V.G. Mandare</del>	<del>A13</del>
48	Mane Mahaveer Haridas	<del>M mane</del>	<del>M mane</del>	<del>M mane</del>
49	Mane Saurabh Nagnath	<del>A13</del>	<del>A13</del>	<del>A13</del>
50	Mane Sidhesh Hanumant	<del>Mane</del>	<del>Mane</del>	<del>A13</del>
51	Managle Namdev Shivaji	<del>Managle</del>	<del>Managle</del>	<del>Managle</del>
52	Mangalekar Shreyas Sanjay	<del>Man</del>	<del>Man</del>	<del>Man</del>
53	Mhatre Gaurav R.	<del>Man</del>	<del>Man</del>	<del>Man</del>
54	Metakari Nana Kundlik	<del>Metha</del>	<del>Metha</del>	<del>Metha</del>
55	Mhatre Shubham Vidyanand	<del>Mhatre</del>	<del>Mhatre</del>	<del>Mhatre</del>
56	Misal Pruthviraj Mahendra	<del>M. Misal</del>	<del>M. Misal</del>	<del>M. Misal</del>
57	MisalL Suraj Ramesh	<del>Misal</del>	<del>Misal</del>	<del>Misal</del>
58	Mohite Sangram Shrikrishna	<del>Mohite</del>	<del>Mohite</del>	<del>Mohite</del>
59	More Rohit	<del>More</del>	<del>More</del>	<del>More</del>
60	Mote Pranavkumar Vilas	<del>Mote</del>	<del>Mote</del>	<del>Mote</del>
61	Mujumale Pradip Raghunath	<del>Mujumale</del>	<del>Mujumale</del>	<del>Mujumale</del>
62	Nangare Sushant Y	<del>Nangare</del>	<del>Nangare</del>	<del>A13</del>
63	Chougule Nitin	<del>Chougule</del>	<del>Chougule</del>	<del>Chougule</del>
64	Muttanwar Kiran Basappa	<del>A13</del>	<del>A13</del>	<del>A13</del>
65	Chile Satish	<del>Chile</del>	<del>Chile</del>	<del>Chile</del>
66	Lohar Mallikarjun A	<del>Lohar</del>	<del>Lohar</del>	<del>A13</del>
67	Gavandi Akshay	<del>A.S. Gavandi</del>	<del>A.S. Gavandi</del>	<del>A.S. Gavandi</del>

W/O  
J. G. Shinde  
11/03

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**PLC WORKSHOP TRAINING ATTENDANCE SHEET OF BE B DIVISION**

ROLL NO	NAME OF STUDENT	DATE 05/02/2019		
		SESSION 1	SESSION 2	SESSION 3
1	NANGARE VIJAY	Vijay Nangare	Vijay Nangare	Vijay Nangare
2	NASHTE NILESH KISHOR	Nashete	Nashete	Nashete
3	NAUKUDKAR AKSHAY	Akshay	Akshay	Akshay
4	NESARIKAR SHUBHAM SANGAM	Shubham	Shubham	Shubham
5	NEVAGE PRADIP NARAYAN	Pradip	Pradip	Pradip
6	NIKAM VISHAL TANAJI	Vishal	Vishal	Vishal
7	NIMBALKAR BHARAT ASHOK	BN	AB	AB
8	PADAWALE OMKAR P.	AB	AB	AB
9	MANGALEKAR JAYESH SUNIL	AB	AB	AB
10	PATANGE SAURAV A	Saurav	Saurav	AB
11	PATIL ABHISHEK VILAS	Abhishek	Abhishek	Abhishek
12	PATIL AKASH ASHOK	Akash	Akash	Akash
13	PATIL AKSHAY SANJAY	AB	AB	AB
14	PATIL AMRUT ASHOK	Amrut	Amrut	Amrut
15	PATIL ASHISH SAMBHAJI	Ashish	AB	AB
16	PATIL DIKSHA	Diksha	Diksha	Diksha
17	PATIL GAURAV ANIL	Gaurav	AB	AB
18	PATIL KARAN SHIVAJI	Karan	Karan	Karan
19	PATIL NIKHIL NAMDEO	Nikhil	Nikhil	Nikhil
20	PATIL PRADIP ASHOK	Pradip	Pradip	Pradip
21	PATIL PRATHMESH MAHADEV	Prathmesh	AB	AB
22	PATIL PRATHMESH PRAKASH	Prathmesh	AB	AB
23	PATIL SARDAR M	Sardar	Sardar	Sardar
24	PATIL PRETHMESH P	Prethmesh	Prethmesh	Prethmesh
25	PATIL PRUTHVIRAJ	Pruthviraj	AB	AB
26	PATIL RAJGURU R	Rajguru	AB	AB
27	PATIL RANJEET PRAKASH	Ranjeet	Ranjeet	AB
28	PATIL RUSHIKESH TUKARAM	Rushikesh	Rushikesh	Rushikesh
29	PATIL RUTURAJ BHIMRAO	Ruturaj	Ruturaj	Ruturaj
30	PATIL SAGAR DYANESHWAR	Sagar	Sagar	Sagar



31	PATIL SOMIL D	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
32	PATIL SAHADEV BABASAHEB	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
33	KOLI SHANTANU S	— AB —	— AB —	— AB —
34	PATIL SHREYASH RAMESH	<del>Patil</del>	<del>Patil</del>	<del>Patil</del> A
35	PATIL SHUBHAM PRAKASH	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
36	PATIL SHUBHAM SUNIL	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
37	POWAR NEERANJAN	<del>Powar</del>	<del>Powar</del>	<del>Powar</del>
38	PATIL UDHAV ARJUN	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
39	PANCHAL VITTHAL	<del>Panchal</del>	<del>Panchal</del>	<del>Panchal</del>
40	PAWALE DEEPAK MARUTI	<del>Pawale</del>	<del>Pawale</del>	<del>Pawale</del>
41	POKARNEKAR AVDHUT ANIT	<del>Pokarnekar</del>	<del>Pokarnekar</del>	<del>Pokarnekar</del>
42	POL SHUBHAM RAJKUMAR	<del>Pol</del>	<del>Pol</del>	<del>Pol</del>
43	PORE RAVINDRA VILAS	<del>Pore</del>	<del>Pore</del>	<del>Pore</del>
44	MOTAR DNYANESHWAR S	<del>Motar</del>	<del>Motar</del>	<del>Motar</del>
45	BHOMAJ ROHIT R	<del>Bhomaj</del>	<del>Bhomaj</del>	<del>Bhomaj</del>
46	REPE ANIKET ANANDRAO	A.A.Repe	A.A.Repe	A.A.Repe
47	SARDESAI KISHORKUMAR P	<del>Sardesai</del>	<del>Sardesai</del>	<del>Sardesai</del>
48	SAWANT ABHINAV ASHOK	<del>Sawant</del>	<del>Sawant</del>	<del>Sawant</del>
49	SHAIKH AFROZ FARUKH	<del>Shaikh</del>	<del>Shaikh</del>	<del>Shaikh</del>
50	MORE SUNNY K	<del>More</del>	<del>More</del>	<del>More</del>
51	SHINDE ATUL BAJIRAO	<del>Shinde</del>	<del>Shinde</del>	<del>Shinde</del>
52	SHINDE PRASHANT SHIVAJI	<del>Shinde</del>	<del>Shinde</del>	— AB —
53	SHIROLE PRATIK PRAKASH	<del>P.P.Shirole</del>	<del>P.P.Shirole</del>	<del>P.P.Shirole</del>
54	SURYAWANSHI RAVINDRAKUMAR B	<del>Ravibhauya</del>	<del>Ravibhauya</del>	<del>Ravibhauya</del>
55	SURYAWANSHI SHUBHAM	— AB —	— AB —	— AB —
56	SURYAWANSHI SHUBHAM D	<del>Shubhis</del>	<del>Shubhis</del>	<del>Shubhis</del>
57	SUTAR SURDAS DATTATRAY	<del>Surdabhat</del>	<del>Surdabhat</del>	<del>Surdabhat</del>
58	TAMBVEKAR AKHAY	— AB —	— AB —	— AB —
59	TAMBOLI AARZOO YUNUS	— AB —	— AB —	— AB —
60	TELI GANESH PANDURANG	<del>Teli</del>	<del>Teli</del>	<del>Teli</del>
61	TRIMUKHE PRANESH N	— AB —	— AB —	— AB —
62	UPADHYE PIYUSH PRAMOD	<del>Piyadhye</del>	<del>Piyadhye</del>	— AB —
63	VADAR AVINASH	— AB —	— AB —	— AB —
64	VANJARI SANTOSH RAJARAM	— AB —	<del>Ramjari</del>	<del>Ramjari</del>
65	WADIKAR PARASHURAM	<del>Wadkar</del>	<del>Wadkar</del>	<del>Wadkar</del>

66	WAGAVEKAR TUSHAR VISHNU	<del>Wagh</del>	<del>Wagh</del>	<del>Wagh</del>
67	WAGHMARE SHRIKANT S	<del>Wagh</del>	<del>Wagh</del>	<del>Wagh</del>
68	SHETE SAMEED MOHAN	Shete	Shete	AB
69	GHATGE PRATIK P	<del>Shete</del>	AB	AB
70	PATIL-GURAV ABHIJEET	AB	AB	AB
71	PATIL SWAROOP S	SP	SP	SP
72	INGAVALE OMKAR	<del>Shete</del>	<del>Shete</del>	AB

W/S  
05/03/19  
J. G. Shinde

Date: 18/3/2019

To,  
The Principal,  
B.V.C.O.E. Kolhapur.

Subject: Regarding remuneration of resource persons for PLC workshop.


Respected Sir,

Our mechanical engineering department organized Programmable Logic Controller workshop from 5<sup>th</sup> to 14<sup>th</sup> March 2019 for final year mechanical engineering students. Workshop was conducted in two sessions. First session had conducted from 5/3/2019 to 8/3/2019 division B and 11/3/2019 to 14/3/2019 for division A. 57 students from (A division) and 64 students from (division B) were present for this workshop. Total 121 students attended PLC workshop. We have collected 400/- fees from each student as a remuneration of resource person. Already you permitted the workshop and expenditure for same. Permitted expenditure copy submitted to you.

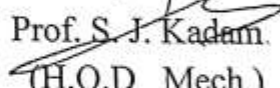
Kindly issue the cheque of 48400/- in favor of PROAUTOMATER.

We are going to deposit 48400/- to the account section

Thanking you,

  
Prof. J.G. Shinde  
(Co-ordinator)

At  
P/- do needed  
7/18/19

  
Prof. S. J. Kadam  
(H.O.D Mech.)

48400/-



20/3/2019

(For Student)

BHARATI SAHAKARI BANK LTD., Pune  
Branch kolhapur

BHARATI VIDYAPEETH'S  
COLLEGE OF ENGINEERING  
Kolhapur

S.B. Account No. 5701

Remittance of Fees

Date: 19 / 03 / 2019

Name Prof. J.G. Shinde  
(IN FULL & BLOCK LETTERS)

Class: BE mechanical

Branch Name: mechanical Engg.

The sum of Rs. 48,400 (in words Rs. \_\_\_\_\_)

Particulars	Amount Rs.
1. Tuition Fee .....	
2. Development Fee .....	
3. Other Fees <u>P.L.C. workshop</u> .....	<u>48,400/-</u>
4. Stationary Fee .....	
5. Student Insurance .....	
6. Excess Amount .....	
<b>TOTAL Rs.</b>	<u>48,400/-</u>

In words Rs. forty eight thousand four hundred  
Repees.

Cheque No. \_\_\_\_\_

Bank Name \_\_\_\_\_

Accountant \_\_\_\_\_

Seal of the Bank

Note - Fees once paid will not be refunded.