



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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

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)

NAAC SSR CYCLE- 2



| Criterion 1 | Curricular Aspects |
|--|----------------------|
| Key Indicator 1.2 | Academic Flexibility |
| 1.2.1 Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during the last five years | |

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.

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 | <u>Alave</u> | <u>Alave</u> | <u>Alave</u> |
| 2 | Ambi Akshay Mallappa | <u>Ambi</u> | <u>Ambi</u> | <u>Ambi</u> |
| 3 | Bansode Akshay Bhausaheb | <u>AB</u> | <u>AB</u> | |
| 4 | Bansode Suraj Suresh | <u>Suraj</u> | <u>Suraj</u> | <u>Suraj</u> |
| 5 | Barapatre Gaurav Raju | <u>Gaurav</u> | <u>Gaurav</u> | |
| 6 | Barge Onkar Prabhakar | <u>Barge</u> | <u>Barge</u> | <u>Barge</u> |
| 7 | Basavraj Raju Bhorshetti | <u>Basav</u> | <u>Basav</u> | <u>Basav</u> |
| 8 | Bhaskar Mohan S | <u>Bhaskar</u> | <u>Bhaskar</u> | <u>Bhaskar</u> |
| 9 | Chougule Nikhil | <u>Chougule</u> | <u>Chougule</u> | <u>Chougule</u> |
| 10 | Bhonde Neeraj Sandeep | <u>Neeraj</u> | <u>Neeraj</u> | <u>Neeraj</u> |
| 11 | Bhosale Vivek Annaso | <u>Bhosale</u> | <u>Bhosale</u> | <u>Bhosale</u> |
| 12 | Channewadkar Sandeep N | <u>Sandeep</u> | <u>Sandeep</u> | <u>Sandeep</u> |
| 13 | Chavan Akshay Ramchandra | <u>Chavan</u> | <u>Chavan</u> | <u>Chavan</u> |
| 14 | Chavan Roshankumar Dilip | <u>Chavan</u> | <u>Chavan</u> | |
| 15 | Dhansure Datta Dhanaji | <u>Datta</u> | <u>Datta</u> | <u>Datta</u> |
| 16 | Dhekale Jotiba Sanjay | <u>Dhekale</u> | <u>Dhekale</u> | <u>Dhekale</u> |
| 17 | Durugkar Sagar Pravin | <u>Sagar</u> | <u>Sagar</u> | <u>Sagar</u> |
| 18 | Gaikwad Kiran Vilas | <u>GA</u> | <u>GA</u> | |
| 19 | Gandhi Saurabh Uttam | <u>S.Gandhi</u> | <u>S.Gandhi</u> | <u>S.Gandhi</u> |
| 20 | Giram Pravin Datta | <u>Giram</u> | <u>Giram</u> | |
| 21 | Ingale Umajirao Udaysinh | <u>Ingale</u> | <u>Ingale</u> | <u>Ingale</u> |
| 22 | Jadhav Aadhinath Suresh | <u>Jadhav</u> | <u>Jadhav</u> | <u>Jadhav</u> |
| 23 | Jadhav Shrinivas Shrimant | <u>Jadhav</u> | <u>Jadhav</u> | <u>Jadhav</u> |
| 24 | Jadhav Vishwajeet Amrut | <u>Jadhav</u> | <u>Jadhav</u> | <u>Jadhav</u> |
| 25 | Kadam Abhijit Ashok | <u>Kadam</u> | <u>Kadam</u> | <u>Kadam</u> |
| 26 | Kadam Atul Ramesh | <u>Kadam</u> | <u>Kadam</u> | <u>Kadam</u> |
| 27 | Kadam Digvijay Dattatray | <u>Kadam</u> | <u>Kadam</u> | <u>Kadam</u> |
| 28 | Kadam Sourav Ashok | <u>Kadam</u> | <u>Kadam</u> | <u>Kadam</u> |
| 29 | Kadam Varun Jitendra | <u>Kadam</u> | <u>Kadam</u> | <u>Kadam</u> |
| 30 | Kale Prasad Nagesh | <u>Kale</u> | <u>Kale</u> | <u>Kale</u> |
| 31 | Kambale Prem Dattatray | <u>Kambale</u> | <u>Kambale</u> | <u>Kambale</u> |
| 32 | Sonurlekar Swapneel Shashikant | <u>Sonurlekar</u> | <u>Sonurlekar</u> | <u>Sonurlekar</u> |
| 33 | Kawade Rhushikesh Anil | <u>Kawade</u> | <u>Kawade</u> | <u>Kawade</u> |
| 34 | Kekare Viraj Vilas | <u>Kekare</u> | <u>Kekare</u> | <u>Kekare</u> |
| 35 | Khair Dnyaneshwar Audumber | <u>Khair</u> | <u>Khair</u> | <u>Khair</u> |
| 36 | Khalipe Vaibhav Jagannath | <u>Khalipe</u> | <u>Khalipe</u> | <u>Khalipe</u> |
| 37 | Kambale Rutuparn | <u>KA</u> | <u>KA</u> | |
| 38 | Khatake Suraj Shubhash | <u>KA</u> | <u>KA</u> | |
| 39 | Kirtane Gourav Rajarao | <u>Kirtane</u> | <u>Kirtane</u> | <u>Kirtane</u> |
| 40 | Koli Mahantesh Mallikarjun | <u>Koli</u> | <u>Koli</u> | <u>Koli</u> |

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

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

| | | | | |
|----|-------------------------|------------------|------------------|-----------------|
| 66 | WAGAVEKAR TUSHAR VISHNU | Wagh | Wagh | Wagh |
| 67 | WAGHMARE SHRIKANT S | Wagh | Wagh | Wagh |
| 68 | SHETE SAMEED MOHAN | Shete | Shete | AB |
| 69 | GHATGE PRATIK P | Shete | AB | AB |
| 70 | PATIL-GURAV ABHIJEET | AB | AB | AB |
| 71 | PATIL SWAROOP S | SP | SP | SP |
| 72 | INGAVALE OMKAR | Shete | Shete | 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 5th to 14th 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.

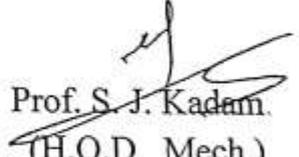
Kindly issue the cheque of 48400/- in favor of PROAUTOMATER.

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 | |
| TOTAL Rs. | 48,400/- |

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.



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



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

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