



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

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

# NAAC SSR CYCLE- 2



<b>Criterion 3</b>	<b>Research, Innovations and Extension</b>
<b>Key Indicator 3.5</b>	<b>Collaboration</b>
<b>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</b>	



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

### Criterion III: - Research, Innovations and Extension



### List of Activities: 2019-2020

Sr. No.	Name of the collaborating agency	Activities	Page number
1	Family Mart ,Kasaba Bawada Kolhapur	Student Projects: Power Harvesting Tile Using Micro Generator	4
2	Aerobotix Techsolutions,Kolhapur	Student Projects: IoT Based Robotic Arm	6
3	Nano Tech Software Development,Kolhapur	Student Projects:Chemical Indexing Of Vegetables Through Machine Learning	8
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5	Big Electronics and Automation, Kolhapur	Student Projects:IOT Based Safety Helmet	10

6	Dr. J.J Magdum College of Engineering, Jaysingpur	Expert lecture on “Microprocessor and Microcontroller”	11
7	Authentic Technologies, Kolhapur	Student Projects:E-Voting	16
8	Excel Technologies, Kolhapur	Student Projects:A Wearable Surveil Device Simulation For Paralytic Patient Using Iot And MI Based Approach	17
9	Krishna Mobile Shoppy, Kolhapur	Student Projects:Online Doormint	18





# Family Mart

Behind Hanuman Temple, Balbhim Galli,  
Kasaba Bawada, Kolhapur  
Mob.-7841007035



GST No. – 27DPTPA7029J1ZG

Date – 06/08/2020

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering Kolhapur

Subject – Sponsorship and internship for final year Project of  
Engineering.

Respected Sir,

We are pleased to inform you that our Mart "Family Mart, Kolhapur" has chosen following students for being sponsored and given Internship under our student Development and Encouragement Program for completing their final year project.

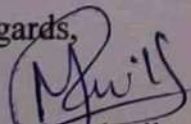
1. Sayali Nivrutti Nikam
2. Firoza Allisab Prabhulkar
3. Shivani Balavant Solapure

The Project is "Power Harwesting Tiles Using Micro Generator" , Which is actually an Mechatronics system facility. It is kind of innovative project in many terms & its Surely going to help may small scale Mart as well as bigger Bazar's to simulate the operations of Foot Steps.

After completing the project we shall consider a demonstration of the project and if it fits to our Bazar's requirements we shall buy this project from students in the future . The Expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thank You,

Regards,

  
Manish Adnaik  
(Owner)



# Family Mart

Behind Hanuman Temple, Balbhim Galli,  
Kasaba Bawada, Kolhapur  
Mob.-7841007035



## COMPLETION LETTER

GST No. :- 27DPTPA7029J1ZG

Date:- 20/07/2021

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering,  
Kolhapur.

**Subject:-** Completion of final year project in engineering.

Respected Sir,

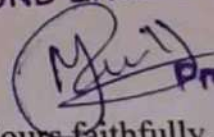
This is to certify that below project group members has successfully completed an academic project entitled "**Power Harvesting Tiles Using Micro Generator**" with our Mart. The project work which is completed is genuine and legitimate.

1. Sayali Nivrutti Nikam
2. Firoza Allisab Prabhulkar
3. Shivani Balavant Solapure

During the tenure of their project with our Bazar, they have shown the great passion and understanding towards their work. The project team has demonstrated high academic understanding and creative skills while carrying out the assigned project.

Thanking You.

VAKRATUND ENTERPRISES

  
Proprietor  
Yours faithfully,

Manish Adnaik

Family Mart,

Kasaba Bawada, Kolhapur



Outward Number : ATS/19-20/003

Date:- 03 / 10 / 2019

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship and Internship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization "Aerobotix Techsolutions, Kolhapur" has chosen following students for being sponsored and given Internship under our Student Development and Encouragement Program for completing their final year project.

1. Aparna Chandrakant Ajagekar
2. Shree Santosh Kesarkar
3. Mukta Raghuraj Kulkarni

The Project is "IoT Based Robotic Arm", which is actually an IoT based Robotic Arm Pick & Place system with online data logging facility. It is kind of innovative project in many terms & its surely going to help many small scale industries as well as bigger robotics industries to simulate the operations of robotic arm.

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.

Regards,  
  
Ajinkya Dixit  
(Managing Director)



COMPLETION LETTER

**Outward number:-** ATS/19-20/001

**Date:-** 15<sup>th</sup> June 2020

To,

Principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

**Subject:-** Completion of final year project in engineering.

Respected Sir,

This is to certify that below project group members has successfully completed an academic project entitled "**IoT Based Robotic Arm**" with our organization. The project work which is completed is genuine and legitimate.

- 1. Aparna Chandrakant Ajagekar**
- 2. Shree Santosh Kesarkar**
- 3. Mukta Raghuraj Kulkarni**

During the tenure of their project with our company, they have shown the great passion and understanding towards their work. The project team has demonstrated high academic understanding and creative skills while carrying out the assigned project.

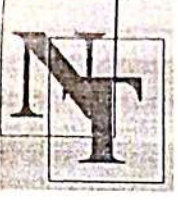
Thanking You.

Yours faithfully,



Ajinkya Dixit

**Founder – Aerobotix Techsolutions, Kolhapur**



NANO - TECH

**SOFTWARE DEVELOPMENT**

*Always move with new Technology*

Address : Beside Malkapur Bank, Opp. Gujarathi Highschool, Shahupuri 1<sup>st</sup> Lane, Kolhapur. Contact : 83832445

Let/Draft No :- NT\2109.\048

Date:- 23/07/2019

To,  
Principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

**Subject :- Sponsorship and Internship for final year project of engineering.**

Respected Sir,

We are pleased to inform you that our organization "NanoTech" has chosen following students for being sponsored and given Internship under our Student Development and Encouragement Program for completing their final year project.

1. Dongare Dayanand Ramakant
2. Pawar Swapnali Uday
3. Vaidya Yogesh Shridhar
4. Malekar Sanket Kishor
5. Keluskar Abhishek Sanjay

**CHEMICAL INDEXING OF VEGTABLES AND FOOD FRESHNING THROUGH MACHINE LEARNING.**

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.  
Regards,

( Director)





# Legitsoft

Being Easy As Possible



Outward number:-SLOM10\01\19

Date:- 20/07/19

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship and Internship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization " " has chosen following students for being sponsored and given Internship under our Student Development and Encouragement Program for completing their final year project.

1. Miss. Antesham Makandar
2. Miss. Aishwarya Rokade
3. Miss. Pratiksha Kadam
4. Miss. Madhuri Suryawanshi
5. Miss. Bhagyashri Jankar

"Education with Automation" system is a web application used to automate the education system. This system allows faculty to teach and students to learn using internet. Faculty can check the daily attendance and details of the students. When users get admitted into the institute, system automatically generates a code which will provided to the user as an QR code. The attendance will be taken by scanning the QR code. The system implements "E-learning" in which it provides study material for the user so that user can use this study material. Using this study material user can get the knowledge and he is able to prepare himself for the tests. This system automatically generates the users graph regarding their performance.

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You  
Regards.

*Maryeel Prance*

Sign and stamp of Director  
(Managing Director)



+91 8830256110  
+91 7030101155

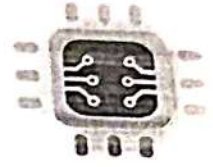


contact@legitsoft.in  
<https://legitsoft.in>



Office No. 3, Palmgroove P-2,  
Devekar Panand, Kolhapur

# BIG Electronics & Automation



1940, E-ward, Bus Route, Rajarampuri 12th Lane, Kolhapur, Maharashtra-416008.  
Phone:-09420213538, 08956534547, Email: bigelectronicsautomation19@gmail.com.

date - 20/7/2019

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship and Internship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization "BIG Electronics and Automation, 12th lane rajarampuri, kolhapur" has chosen following students for being sponsored and given Internship under our Student Development and Encouragement Program for completing their final year project.

1. Ms. Rutuja Bharat Jagadale.
2. Ms. Shiipa Dhondiram Choukekar
3. Ms. Samruddhi Sunil Redekar.
4. Ms. Snehal Arun Pawar
5. Ms. Madhuri Tanaji Shewale.

"IOT Based Safety Helmet" We are developing the safety helmet for motorcycles. The ignition of the motorcycles will be avoided without helmet. It also consists GPS and GSM based tracking system in order to track location of accidents. The project is implemented with the use of sensors which will send the information to the module connected with the bike's engine. This helmet has two modules one is on bike and other is on helmet. Alcohol sensor, Accident detection sensor and force sensing register are fitted in the helmet. Second part consists of Relay and sensor which is fitted on bike. Therefore motorcycle will not start until it fulfills two conditions i.e. Bike rider should wear helmet and bike rider should not consume alcohol. If an accident occurs it sends the message (location/address) to the registered number.

After completing the project we shall consider a demonstration of the project and if it fits to organization's requirements we shall buy this project from students in the future. The expenses provided by should be spent on the study materials, stationary and instruments required for establishing setup of project.

Thanking You.

Regards,

Mr. A. G. Ghatage  
(Managing Director)





## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Department of Electronics & Telecommunication Engineering
- **Name of Activity** : Expert lecture on “Microprocessor and Microcontroller”
- **Date of Activity** : 20<sup>th</sup> Aug 2019
- **No. of Participants** : 39
- **Participants From** : Third Year students of ETC
- **Resource Person** : Mr.M.M.Kolap Assistant Professor Dr.J.J.Magdum College of Engineering Jaysinghpur.
- **Details of Activity** : Department of Electronics & Telecommunication organized expert lecture on “Microprocessor & Microcontroller” on 20<sup>th</sup> Aug 2019 for third year student of ETC department. Resource person for this expert lecture is Mr. M.M.Kolap Assistant professor Department of Electronics & Telecommunication Engineering Dr.J.J.Magdum college of Engineering Jayasinghpur. As in today’s world automation plays very important role in order to understand importance of Microprocessor & Microcontroller in automation and its practical applications this session was conducted for third year students of ETC department.
- **Outcome of Activity** : Students understood advanced concepts and practical applications of Microcontroller and Microprocessor apart form academics .
- **How it Bridges gap between Industry and Academia:** Student come to know about the current needs in industry and are able to work in the required direction.





Session conducted by Mr.M.M.Kolap



**Co-Ordinator**  
(Mrs.A.H.Tirmare)

**HOD**  
(Dr.K.R.Desai)

**Principal**  
(Dr.V.R.Ghorpade)



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

Ref No: BV/COEK/ 121 /2019-20 NAAC- "A" Grade Date :- 15-8-2019

To,

Mr. M.M.kolap

Assistant professor

Dr.J.J.Magdum college of Engineering Jaysinghpur.

Subject; Invitation Letter

Dear Sir,

We would like to invite you as resource person to conduct expert lecture on "Practical Aspect of Microprocessor and Microcontroller in Industrial Automation" for third year students of Electronics & Telecommunication Engineering on 20<sup>th</sup> Aug 2019. This session is scheduled in ETC department Seminar Hall from 10.30 am onwards We kindly request you to accept our invitation and guide out students.

We hope you will accept our invitation and will cooperate.

Thanking You,

Dr. V.R.Ghorpade

PRINCIPAL



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PRINCIPAL

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

Ref No: BV/COEK/ 126 /2019-20

NAAC- "A" Grade

Date :- 20-8-2019

O,

Mr. M.M.kolap

Assistant professor

Dr.J.J.Magdum college of Engineering Jaysinghpur

Subject: Thanking Letter

We would like to extend our warm thanks to you for conducting a session on "Practical Aspect of Microprocessor and Microcontroller in Industrial Automation" on 20<sup>th</sup> Aug 2019. 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 : ESTEC

THEORY ATTENDANCE SHEET

Class :	Shift :	Div :	Subject :				
BY			MICROPROCESSOR & MEMORY				
Year :	TY (ETEC)		Name of the Faculty : Mrs. A. H. Titmore				
Sem : J			From : To :				
Roll No.	Name	Date	Date	Date	Date	Date	Date
1	Ambekar Saham k.	28/10/19					
2	Ardantkar Shubham Sanjay	28/10/19					
3	Pravin Dhula Behere	28/10/19					
4	Pratik Krishna Bharati	28/10/19					
5	Yash R. Phosale	28/10/19					
6	Aditi Uday Chavan	28/10/19					
7	Abhijit Chavan	28/10/19					
8	Sunil Govind Chavan	28/10/19					
9	Maanasi Anil Chothé	28/10/19					
10	Ruturaj V. Desai	28/10/19					
11							
12	Aryan B Gawali	28/10/19					
13	Atharv Abhi Ghatge	28/10/19					
14	Prachi Pramod Gidde	28/10/19					
15	Rushikesh Vijay Golgire	28/10/19					
16	Samiksha Sunil Jadhav	28/10/19					
17	Hemant E. Jagtap	28/10/19					
18	Shivani Y. Jambhik	28/10/19					
19	Roshni R. Joshi	28/10/19					
20	Jayraj B. Kadam	28/10/19					
21	Atharv Shamrao Kamble	28/10/19					
22	Madhura Baburao Kamble	28/10/19					
23	Ammuta Sitoram Kathanav	28/10/19					
24	Nishal Kundlik Kawade	28/10/19					
25	Lavanya Rajvilas Kawade	28/10/19					
26	KENDALE TEJAS N.	28/10/19					
27	Khandagata Shruti	28/10/19					
28	Atharv P. Kharade	28/10/19					
29	Kanav Nandkumar Khot	28/10/19					
30	Shreyas A. Kurale	28/10/19					
31	Sushil Sunil Madale	28/10/19					
32	Keval Mahesh Mankar	28/10/19					
33	Rutuja Ramesh Mokale	28/10/19					
34	Moze Yedant Santosh	28/10/19					
35	Prerana P. Munse	28/10/19					
36	Sairaj Deepak Naik	28/10/19					
37	Saksham Sunil Nalavade	28/10/19					
38							
39	Atharv P. Naik	28/10/19					

# AUTHENTIC — TECHNOLOGIES —

Ref: AT/HR/ 2034

Date: 13/07/2019

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering, Kolhapur.

**Subject : Sponsorship and Internship for final year project of engineering.**

Respected Sir,

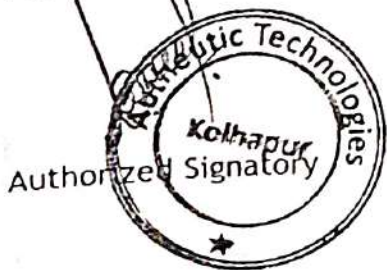
We are pleased to inform you that our organization **Authentic Technologies, Kolhapur** has chosen following students for being sponsored and given Internship under our "Student Development and Encouragement Program" for completing their final year project.

1. Mr. Abhishek Kumar
2. Miss. Shruti V. Jadhav
3. Miss. Shravani D. Daiv

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.

For Authentic Technologies,



**Authentic Technologies**



# Excel Technologies

www.exceltechprojects.com

Outward number:- Excel Technologies\2019-20\0

Date:- 09/07/2019

To,  
Principal,  
BharatiVidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship and Internship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization "Excel Technologies, Rajarampuri, 6<sup>th</sup> lane, near Shreeram Vidyalay, Balganeshe Balvadi Building, 1<sup>st</sup> floor, Kolhapur." has chosen following students for being sponsored and given Internship under our Student Development and Encouragement Program for completing their final year project.

1. Aarti Sanjay Masal.
2. Sayali Shatrughan Patil.
3. Shraddha Ganapati Chalke.
4. Rushikesh Rajan Masurkar.
5. Payal Dilip Pawar.

The project is basically based on IOT and ML based approach. The project is designed for paralysis patient, it is used to monitor the paralysis patient's health and detect the improvement within the patient's body. For paralysis patient it is necessary to take medicines at proper time so, medicine remainder is also provided here using IOT approach. Fall detection is a major challenge in the public healthcare domain, especially for paralytic patient as the decline of their physical fitness and timely and reliable surveillance is necessary to mitigate the negative effects of falls for this purpose we use MI approach.

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.

Regards,  
(Managing Director)  
Mr. Vinayak Sutar.







Outward number:- Krushna Mobile Shoppy\2019-20\1

Date:- 07/07/2019

To,  
Principal,  
Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject:- Sponsorship for final year project of engineering.

Respected Sir,

We are pleased to inform you that our organization "Krushna Mobile Shoppy A/P. Hupari Tehsil-Hatkanangale Dist-Kolhapur." has chosen following students for being sponsored for completing their final year project.

1. Kishor Vishwanath Janwade.
2. Akshay Nana Bhosale.
3. Aparna Dilip Yesugade.
4. Jyoti Laxman Telvekar.

The project is one of the android application which is based on the Domestic Services. Doormint provide us the various service details and it's service provider. In this app, domestic services like newspaper, milk, laundry, vegetables, plumber, hardware services, electrical services, automobile services, grocery, pundit etc. services are provided. Through app people get contact number of respected service provider. Customer can request to service through app from any location. They can get nearest service provider information. It saves time to go there and search service provider. Since it saves travelling cost to go there. It is more convenient for citizens.

After completing the project we shall consider a demonstration of the project and if it fits to our organization's requirements we shall buy this project from students in the future. The expenses provided by us should be spent on the study materials, stationary and instruments required for establishing setup of the project.

Thanking You.

Regards,

*Janwade*  
(Managing Director)  
Mr. Uday Janwade.

KRUSHANA MOBILES