



## 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



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	



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

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



### List of activity wise-year wise :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	7
3	Nano Tech Software Development,Kolhapur	Student Projects:Chemical Indexing Of Vegetables Through Machine Learning	9
4	Legitsoft, Kolhapur	Student Projects:Education With Automation	11
5	Big Electronics and Automation, Kolhapur	Student Projects:IOT Based Safety Helmet	13

6	Dr. J.J Magdum College of Engineering, Jaysingpur	Expert lecture on “Microprocessor and Microcontroller”	15
7	Authentic Technologies, Kolhapur	Student Projects:E-Voting	22
8	Excel Technologies, Kolhapur	Student Projects:A Wearable Surveil Device Simulation For Paralytic Patient Using Iot And MI Based Approach	24
9	Krishna Mobile Shoppy, Kolhapur	Student Projects:Online Doormint	26



# Family Mart

Behind Hanuman Temple, Balbhim Galli,  
Kasaba Bawada, Kolhapur  
Mob.-7841007035  
GST NO.-27DPTPA7029J1ZG



Date - 06/08/2020

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to Cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.


**Party 1 : Family Mart, Kolhapur**


**Party 2 : Department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's college of Engineering, Kolhapur.**

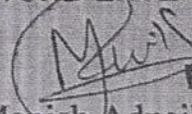
Agrees to explore opportunities for collaboration in the areas described here under.

1. Sponsorship of final year project
2. Sharing the technology for academic Purpose Only.
3. Internship program for students as per requirements.
4. Any other acadmic activity with mutul consent.

Family Mart and department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's College of Engineering , Kolhapur agrees to share the information in strict confidance and will respect the intellectual property right of each other.

  
Dr. K.R. Desai  
Dept. of Electronics & Tele.,  
HOD V&ETC Dept  
College of Engineering, Kolhapur

  
Dr. V.R. Ghorpade  
Principal

VAKRATUND ENTERPRISES  
  
Manish Adnaik  
Proprietor  
Owner



# 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.

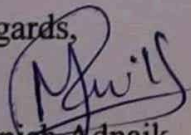
1. Sayali Nivrutti Nikam
2. Firoza Allisab Prabhulkar
3. Shivani Balavant Solapure

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,

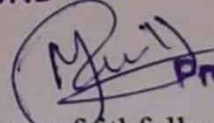
This is to certify that below project group members has successfully completed an academic project entitled "**Power Harvesting Tiles Using Micro Generator**" with our Mart. The project work which is completed is genuine and legitimate.

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

Date :- 03 / 10 / 2019

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.


**Party 1: Aerobotix Techsolutions, Kolhapur**

**Party 2: Department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.

Aerobotix Techsolutions and Department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.



Dr. K. K. Desai

HOD- E&TC Dept



Dr. V. R. Ghorpade

Principal



Ajinkya Dixit

Managing Director

# 9, Deep Sarovar Colony, Devkar Panand, Kolhapur - 416 012.

☎ +91 96111 68935 / +91 89838 17322

🌐 [www.aerobotixtechsolutions.com](http://www.aerobotixtechsolutions.com)

✉ [info@aerobotixtechsolutions.com](mailto:info@aerobotixtechsolutions.com)



Date :- 03 / 10 / 2019

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: Aerobotix Techsolutions, Kolhapur**

**Party 2: Department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

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Aerobotix Techsolutions and Department of Electronics & Telecommunication Engineering, Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.



Dr. K. K. Desai

HOD- E&TC Dept



Dr. V. R. Ghorpade

Principal



Ajinkya Dixit

Managing Director

# 9, Deep Sarovar Colony, Devkar Panand, Kolhapur - 416 012.

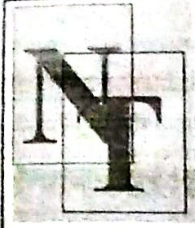
☎ +91 96111 68935 / +91 89838 17322

🌐 www.aerobotixtechsolutions.com

✉ info@aerobotixtechsolutions.com







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.\047

Date:-23/07/2019

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: NANO-TECH SOFTWARE DEVELOPMENT, KOLHAPUR.**

**Party 2: Department of Computer Science & Engineering, Bharati vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.

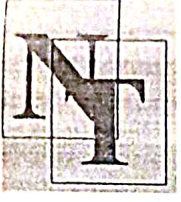
NANO-TECH SOFTWARE DEVELOPMENT, KOLHAPUR. and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.

Prof. S. M. Mulla  
HOD- CSE Dept

Dr. V. R. Ghorpade  
Principal



Mr. Paresh Kanade  
Director



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)

The stamp is circular with the text "NANO-TECH" at the top, "KOLHAPUR" in the center, and "SOFTWARE DEVELOPMENT" at the bottom. A signature is written across the stamp.



Date :- 20/07/19

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: Legitsoft, Kolhapur**

**Party 2: Department of Computer Science & Engineering, Bharati vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.
5. All source code rights will be held by Legitsoft, Kolhapur.
6. Students are not allowed to share source code without company permission.

Legitsoft and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.

Prof. S.M.Mulla  
HOD- CSE Dept

Dr. V.R.Gorpade  
Principal

Mr. Manjeet Mande  
Managing 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.

*Mangesh Jankar*

Sign and stamp of Director  
(Managing Director)



+91 8830256110  
+91 7030101155

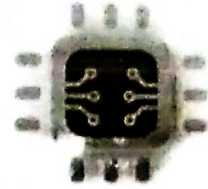


contact@legitsoft.in  
<https://legitsoft.in>



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

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: BIG Electronics and Automation, Kolhapur.**

**Party 2: Department of Computer Science & Engineering, Bharati vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.

BIG Electronics and Automation, Kolhapur and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.

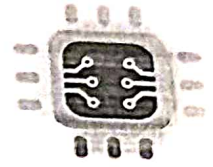
Prof.S.M.Mulla  
HOD- CSE Dept

Dr. V.R.Ghorpade  
Principal



Mr. A.A. Ghiatage  
Managing Director

# 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.

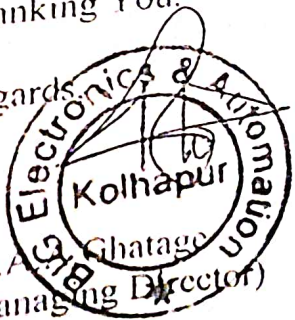
"IOT Based Safety Helmet" We are developing the safety helmet for motorcycles. The ignition of the motorcycles will be avoided without helmet. It also consists GPS and GSM based tracking system in order to track location of accidents. The project is implemented with the use of sensors which will send 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 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,

Mr. A. G. Ghatage  
(Managing Director)





# BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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

Ref. No. BV/COEK / 269-A/ 2019 -2020

Date : 20-7-19

## MEMORANDUM OF UNDERSTANDING

Bharati Vidyapeeth's  
College of Engineering, Kolhapur.

And

Dr. J. J. Magdum College of Engineering, Jaysingpur.



This MEMORANDUM OF UNDERSTANDING is entered into on 23<sup>rd</sup> July 2019 between Dr. J. J. Magdum College of Engineering, Jaysingpur District Kolhapur and Bharati Vidyapeeth's College of Engineering Kolhapur.

### Preamble

A collaborative effort in Engineering Education has become the key to success. Academic MoU encourages institutions to share expertise and infrastructure in various aspects with neighboring institutions and industries on viable collaborative/consultancy projects with specific time-frames and well-defined outputs. The collaboration could be in the areas of Joint projects of students, faculty and joint publications etc.

### 1. Purpose

The aim of this MoU is primarily to establish a written document under which both the technological institutes may enter into a written agreement to perform collaborative programs in the areas of mutual interest.

### 2. Areas of Collaboration

- I. To work jointly on research publications, consultancy assignments, faculty and staff development programs.
- II. To make collaborative efforts to organize Joint Conference/ Seminars/ Workshops at the Institute/departmental levels.
- III. To attend activities organized by both the institutes.

- IV. To organize supporting staff training programme.
- V. Any other activity not covered by this MoU with the prior agreement of both the institutes.

### 3. Agreement of Collaborative Program

- I. Each such collaboration undertaken by the institute shall describe in details the following:
  - a. The nature, scope and the time of collaborative schedule.
  - b. Any other provision as deemed to be necessary and mutually agreed upon.
- II. To prepare and finalize a concrete action plan and schedule for collaboration on priority areas as agreed upon.

### 4. Implementation and Action Plan

Dr. J. J. Magdum College of Engineering Jaysingpur and Bharati Vidyapeeth's College of Engineering Kolhapur shall endeavor to finalize the details of implementation and action plan of collaborative efforts to execute the parts of this MoU in the academic year 2019-20.

This MoU shall be effective from the date of signing the same and shall remain in effect for the mentioned year and may be renewed thereafter by mutual consent.

Dr. J. J. Magdum College of Engineering Jaysingpur	Bharati Vidyapeeth's College of Engineering Kolhapur
 1. Dean Academics: Mr. A. S. Sajane	 1. HOD ETC: Dr. K. R. Desai
 2. Principal: Dr. Mrs. S. B. Patil	 2. IQAC Coordinator: Dr. J. K. Patil
	 3. Principal: Dr. V. R. Ghorpade
	





## 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



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

FOUNDER & CHANCELLOR

**Dr. Patangrao Kadam**

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Near Chitranagari, Kolhapur - 416013 (MS)

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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 Umed Chahar	28/10/19					
7	Abhijit Chavan	28/10/19					
8	Sunil Govind Chavan	28/10/19					
9	Maanasi Anil Chathe	28/10/19					
10	Rutoraj 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	Amruta Sitoram Kathan	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 Vedant 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					

Date: 13/07/2019

## Memorandum Of Understanding

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.


**Party 1 :** Authentic Technologies, Kolhapur


**Party 2 :** Department of Computer Science & Engineering,  
Bharati vidyapeeth's college of Engineering, Kolhapur.


Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.

Authentic Technologies, Kolhapur and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.

  
Prof. Shagupta M. Mulla  
( HOD- CSE Dept )

  
Dr. Vijay R. Ghorpade  
( Principal )

  
Mr. Indrajeel Manoj  
( Authorized Signatory )



Authentic Technologies

# 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,

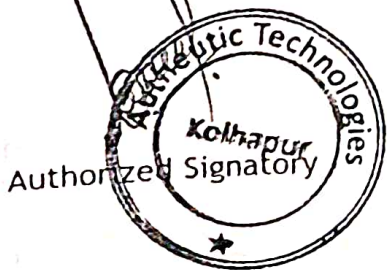
We are pleased to inform you that our organization **Authentic Technologies, Kolhapur** has chosen following students for being sponsored and given Internship under our "Student Development and Encouragement Program" for completing their final year project.

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**

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

Date:- 09/07/2019

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: Excel Technologies, Kolhapur.**

**Party 2: Department of Computer Science & Engineering, Bharati vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Internship program for students as per requirements.
4. Any other academic activity with mutual consent.

**Excel Technologies, Kolhapur and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.**



**Prof. S.M.Mulla.**  
**HOD- CSE Dept**

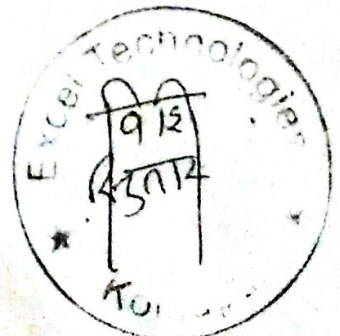
Head,

Dept.of Computer Sc.& Engineering  
Bharati Vidyapeeth's  
College of Engineering Kolhapur



**Dr.V.R.Ghorpade.**  
**Principal**

**Mr.Vinayak Sutar.**  
**Managing Director**





# 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.

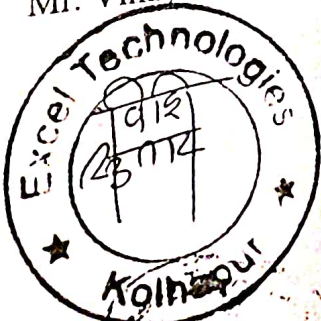
1. Aarti Sanjay Masal.
2. Sayali Shatrughan Patil.
3. Shraddha Ganapati Chalke.
4. Rushikesh Rajan Masurkar.
5. Payal Dilip Pawar.

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: - Krishna Mobile Sopy\2019-20\1

Date:- 07/07/2019

## MEMORANDUM OF UNDERSTANDING

In order to declare their joint intention to cooperate in some or all the fields of academics and industrial endeavor for their mutual benefit.

**Party 1: Krishna Mobile Sopy, Kolhapur.**

**Party 2: Department of Computer Science & Engineering, Bharati vidyapeeth's college of Engineering, Kolhapur.**

Agrees to explore opportunities for collaboration in the areas described here under:

1. Sponsorship of final year project.
2. Sharing the technology for academic purpose only.
3. Any other academic activity with mutual consent.

**Krishna Mobile Shoppy** and Department of Computer Science & Engineering Bharati Vidyapeeth's College of Engineering, Kolhapur agrees to share the information in strict confidence and will respect the intellectual property right of each other.

Prof. S.M.Mulla.  
HOD- CSE. Dept

Dr.V.R.Ghorpade.  
Principal

Mr.Uday Janwade.  
Managing Director

**KRUSHNA MOBILE**



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