

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

FOUNDER CHANCELLOR

Dr. Patangrao Kadam

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

Web: http://coekolhapur.bharatividyapeeth.edu E- mail: coekolhapur@bharatividyapeeth.edu

PRINCIPAL

Dr. Vijay Ghorpade

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

aeth edu

NAAC SSR CYCLE-2



Criterion 3	Research, Innovations and Extension			
Key Indicator 3.1	Resource Mobilization for Research			
3.1.1 Grants received from Government and non-governmental agencies for research				
projects/endowments in the institution during the last five years (INR in Lakhs)				

Grants received for Academic Year: 2018-19



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Sr. No.	Name of the research project/ endowment	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (INR in Lakhs)	Page Number
1	Project: Steel Metal Bending Machine	Mr. Amit Desai	Mechanical Engineering	2018-19	1.50	4
2	Project: Design and Fabrication of Multipurpose Wheelchair	Mr. R. B. Lokapure	Mechanical Engineering	2018-19	0.24	6
3	Project: Delivery Drone	Mr. S. S. Pawar	Electronics and Telecommunication Engineering	2018-19	0.36	8
4	Project: Design and Development of CNG kit working on Biogas Fuel	Mr. S. P. Jarag	Mechanical Engineering	2018-19	0.21	11

5	Project: A Real Time Solution to Flood Monitoring using IOT & Wireless Sensor Network	Ms. S. M. Mulla	Computer Science and Engineering	2018-19	0.10	13
6	Project: Smart Logistics Solution to Transport Services, Kolhapur	Ms. S. M. Mulla	Computer Science and Engineering	2018-19	0.20	15
7	Project: Wall Climbing Robot for Dust Cleaning	Ms. A. H. Tirmare	Electronics and Telecommunication Engineering	2018-19	0.37	21
	Total			2.97		





Ref No- TCPL / 208/2019

Date 22/03/19

CERTIFICATE

This is to certify that following students of BE mechanical course from Bharati Vidyapeeth college of engineering, Kolhapur are completed the project named SHEET METAL BENDING MACHINE, this project was investment of our company which is useful for sheet mental bending processes in our fabrication shop.

All are students were worked hard, sincerely on this project for designing, raw material procurement manufacturing and up to assembling of complete machine. Project was carried out from the Aug 2018

Following students are involved in this project under guidance of Prof. Amit Desai:

- 1. Jadhav Adhinath S.
- 2. Dhekale Jotiba S.
- 3. Mangale Namdev S.

4. Teli Ganesh P.

Thanking you

Dayanand Patil

(Manager Project)



TOUGH CASTING PVT. LTD. KOLHAPUR

THREE ROLLER BENDING MACHINE COST ESTIMATION

Sr. No.	Description	Material Grade	Quantity	Prise (RS)
1	Roller	EN19	3	Rs. 31,500.00
2	Supporting Frame	M.S	2	Rs. 4,000.00
3	Support Roller	M.S	6	Rs. 900.00
4	Screw Handle	M.S	2	Rs. 5,000.00
5	Motor	CI	1	Rs. 28,000.00
6	Gear Box	MS	1	Rs. 30,000.00
7	Bearing	SKF	12	Rs. 6,000.00
8	Pulley	CI	1	Rs. 1,500.00
9	Coupling	CI	1	Rs. 1,420.00
-	Machining cost	-		Rs. 10.000.00
	Labour & Assembly Charges	1 2		Rs. 20,000.00
total and advanced	Miscellaneous charges			Rs. 10,000.00
	Foundation Foundation			Rs. 2,500.00
	TOTAL COST	n Va Tues	-	Rs. 1,50,820.00

Chacked By

Approved By



Proprietor:-Ganpati L. Shelake
Address: - Adinath Co - Op Society,
Near New D.K.T.E. College,
Amrai road, shelake mala
Ichalkaranji.

Phone No:-9850065872

E Mail – shreeganeshdevelopment@gmail.com

Ref No.

DATE-26/02/2019

CERTIFICATE

This is to certify that following students of BE mechanical course from Bharati Vidyapeeth college of engineering, Kolhapur are completed the project named DESIGN AND FABRICATION OF MULTIPURPOSE WHEELCHAIR, this project was investment of our company which is useful for differently abled person.

All are students were worked hard, sincerely on this project for designing, raw material procurement manufacturing and up to assembling of complete wheelchair. Project was carried out from the Aug 2018 to March 2019.

Following students are involved in this project under guidance of Prof. R. B. Lokapure

- Shubham Prakash Patil
- Rohit Rajendra Bhomaj
- Abhinav Ashok Sawant
- Shubham Dattatray Suryavanshi
- Sammed Mohan Shete

Thanking You

Ganpati L. Shelake (Manager Project)

SHREE JANESH DEVELOPMEN'



proprietor:-Ganpati L.Shelake
Address: - Adinath Co - Op Society,
Near New D.K.T.E. College,
Amrai road, shelake mala
Ichalkaranji.

Phone No:-9850065872 E Mail – shreeganeshdevelopment@gmail.com

DATE-26/02/2019

Design and Fabrication of Multipurpose Wheelchair

COST ESTIMATION

SL. NO.	PARTICULARS	DESCRIPTION	QUANTITY	UNIT COST(Rs)	TOTAL (Rs)
1.	MS Angle Section	1.6mm thickness	10kg	70	700
2.	WHEELS	660mm	2	1400	2800
3.	GEAR MOTOR	250 watts, 24 V	1	4000	4000
4.	BATTERY	12 V, 14 A	4	1000	4000
5.	SHAFT	20MM	4	60	240
6.	SPROCKET	18 teeth	8	180	1440
7.	PULLEY	20mm	6	40	240
8.	CHAIN		1	1600	1600
9.	BELT	H Type V groove	2	1700	3400
10). LABOUR	NA	NA	4000	4000
1	MISCELLENEOUS	NA	NA	1500	1500
	TOTAL				Rs.24000

SHREE GANESH DEVELOPMENT Checked By SHREE GANESH DEVELOPMENT

T₌

TIRUPATI ENTERPRISES

Reg. Off.: F - 7, Sankalp Apartment, Bhoir Colony, Chinchwad, Pune -33. ☎:(020) 2745 9225 Email-tirupatipune@yahoo.co.in Branch Off.: Office No. 101, Rhea Apartment, 5, Aundh-Khadki Road, Khadki, Pune-20 ☎:(020) 25812252 Mob: 9890281157

Date: 25/10/2018

Authorised Dealers in Electrical & Electronics testing & measuring instruments, Dealers for all types of Electrical & Electronics goods

REF No. TE/LAT/2018-19/06

To,

The Principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Financial assistance for the project titled "Delivery Drone"

Dear Sir,

This is to inform you that our company is sponsoring the final year student project of the Electronics and Telecommunication Engineering department which is titled "**Delivery Drone**" with maximum amount/ expenses of Rs.35, 500/- (Thirty-Five Thousand Five Hundred Only). The sponsorship will be in terms of the purchase of project Components materials also Project testing costs, site visits, and expert resources. The amount to be utilized for the above project and during the academic year 2018-19 only. The duration for the complication of the project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of Mr. S. S. Pawar, Assistant Professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

1 Ms. Jamdar-Velhal Surabhi Sushilkumar

2 Ms. Kulkarni Prerena Pradip

3 Ms. Koli Snehal Sanjay

Kindly consider this as a sanction letter; this is for your information and further needful action

Thanking you. Yours faithfully,

(FOR TIRUPATI ENTERPRISES).

Jaydip B. Shelke 9890281157

(Email: tirupatipune@yahoo.co.in)



A

PROJECT REPORT ON

"DELIVERY DRONE"

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR IN THE PARTIAL FULFILMENT OF REQUIREMENTS FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING SUBMITTED BY

Miss. Jamdar-Velhal Surabhi Sushilkumar

Roll No.27

Miss. Kulkarni Pradip Prerana

Roll No.35

Miss.Koli Snehal Sanjay

Roll No.34

UNDER THE GUIDANCE OF

Mr. S. S. Pawar

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2018-2019



BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "DELIVERY DRONE" submitted by Miss. Jamdar-Velhal Surabhi, Miss. Kulkarni Prerana and Miss. Koli Snehal is bonafide work carried out by them under the guidance of Mr. S. S. Pawar and it is approved for partial fulfillment of the requirement of the Shivaji University, Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering

Mr. S. S. Pawar

Dr. K. R. Desai

Dr. V. R. Ghorapde

GUIDE

H.O.D.

PRINCIPAL

DATE: / /2019

PLACE: - KOLHAPUR

Enterprise Memorandum No.23799 SiddharthJadhav +919822328300 Adinath Bhandare+918007278910



Blockno.1638, Near Kadsiddheshwar Maharaj HighSchool, Kaneri Kolhapur.(Maharashtra) email:zeal.fab07@gmail.com

To,
Head Of Department,
Mechanical Engineering,
B.V.C.O.E. KOLHAPUR.

Sub: Certificate of Completion of Project.

This is to certify that the following final year engineering students of B.E. MECHANICAL course of "Bharati Vidyapeeth College of Engineering, Kolhapur" has successfully completed the project in given time period.

TITLE: - Design And Development of CNG kit working on Biogas Fuel.

The names of students are:

- 1. GOURAV RAJARAM KIRTANE
- 2. VIRAJ VILAS KEKARE
- 3. SAURABH NAGNATH MANE
- 4. SWAPNIL SHASHIKANT SONURLEKAR
- 5. PRATIK PADMAKAR GHATGE



Enterprise Memorandum No. 23799

Siddharth Jadhav +91 9822328300 Adinath Bhandare +91 8007278910



To, Head Of Department Mechanical Engineering B.V.C.O.E. KOLHAPUR

Sub: Cost estimation letter for sponsored project CNG kit working on biogas fuel

Dear sir,

This is reference to the your letter dated on 02/8/2018.1 We are pleased to accept your letter and provide permission for doing project from 09/09/2018 to 27/02/2019. As per the policy we provide good resource and material for successfully completion of project.

SR.NO	MATERIAL	COST
1	Components	16000
2.	Fabrication	3000
3	Other expenced	2000
-	Total	21000

We here approved application from student and further activities of below mentions students from department of mechanical Engineering. The names of students are :

- 1) SAURABH NAGNATH MANE
- 2) SWAPNIL SHASHIKANT SONURLEKAR
- 3) GOURAV RAJARAM KIRTANE
- 4) PRATIK PADMAKAR GHATGE
- 5) VIRAJ VILAS KEKARE

(Mr. Adinath Bhandare)

Date: 15/2/2019

BI- acrept do need h

To,

The Principal

Bharati Vidyapeeth's College of Engineering,

Kolhapur.

Subject: Submission of Cheque received from Lead College Cluster for research sensitization scheme and research sensitization scheme workshop.

Respected Sir,

Our CSE Department have received project funding under lead college concept, Lead college sanctioned and released cheque of rupees 10,000/-(Ten Thousand Rupees only). Project guide and Students in this project group have to submit Project report with CA utilization certificate before 25/2/2019. Also Lead college have released cheque of rupees 10,000/-(Ten Thousand Rupees only) for workshop conducted by our R & D department. Please give us permission to submit these cheques to Principal, Bharati Vidyapeeth's college of Engineering, Kolhapur account.

Cheque No:

006526 (PMC BANK)

Amount:

10,000/-(Ten Thousand Rupees only).

Cheque No:

006534 (PMC BANK)

Amount:

10,000/-(Ten Thousand Rupees only).

This is for your information and further needful.

Thanking You.

Mr.M.S.Sonawane

TPO

PMC	BANK Gandhi Nagar Branch: 413,3/1A,Main Road,Gand Tal Karveer,Dist. Kolhapur-416119. RTGS/NEFT IFSC:PMCB0000211	Payre's A/c Only	VALID FOR THREE MONTHS FROM THE DATE OF ISSUE 13622619 D D M M Y Y
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Pay Principal	Bharati Vidypeeth's	college of Engin	neering Kolhapur या धारक को Or Bearer
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Kps Legisties

Office:-Plot no-2865,near kmt petrol pump Shiroli Kolhapur -416122 Maharashtra. Mob-9373461861 off-2302461861

Email—kpslogistics@reddiffmail.com

www.kpslogistics.com

Ref. KPS/18-19/001 Date:15/07/2018

To,

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled "Smart Logistics Solution To Transport Services, Kolhapur"

Dear Sir,

This is to inform that our company is sponsoring the final year student project of Computer Science and Engineering department which is titled "Smart Logistics Solution To Transport Services, Kolhapur with maximum amount/ expenses of Rs.20, 000/- (Rs. Twenty Thousand Only).

The sponsorship will be in terms of software's, devices, high testing and expert resources or workshop needed for project. The sanctioned amount is to be utilized for the above project and during the academic year 2018-19 only. The duration for complication of above project will be one year.

Kindly allow the following group of students to work under the Guidance/Principal investigator of Mrs. S. M. Mulla Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur. Name of Students:

- 1. Mr. Rakesh P Choudary
- Mr. Abhinav A Mashakshetri
- 3. Mr.Shadab S Tahasildar

Kindly consider letter as sanction letter, this is for your kind information and further needful action Thanks and Regards

Yours faithfully, For KPS LOGISTICS

Proprietor

(Managing Director)

SMART LOGISTICS SOLUTION TO TRANSPORT SERVICES USING GPS & RFID

Submitted in partial fulfillment of the requirements

For the award of the degree of

Bachelor of Engineering

In

Computer Science & Engineering

By

Mr. Rakesh P. Choudhary (06)

Mr. Abhinav A. Mashakshetri (07)

Mr. Shadab S. Tahasildar (08)

Under the guidance of

Mrs. S. M. Mulla



Department of Computer Science & Engineering

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

YEAR: 2018-19



CERTIFICATE

This is to certify that the project report entitled "Smart Logistics Solution to Transport Services Using GPS & RFID" submitted by Mr. Rakesh P. Choudhary, Mr. Abhinav A. Mashakshetri, Mr. Shadab S. Tahasildar for the partial fulfillment of the requirement for the award of degree of Bachelor of Engineering in Computer Science & Engineering to the Shivaji University.

This report is record of students team work carried out by them under my supervision and guidance.

Date: 13 04 19
Place: Kolhapuz

Prof. S. M. Mulla Guide

External Examiner

Prof. S. M. Mulla HOD

Dr. V. R. Ghorpade Principal

ACKNOWLEDGEMENT

It is our privilege to acknowledge with deep sense of gratitude to our project guide Prof. S. M. Mulla for his valuable suggestions and guidance throughout our course of study and project.

We express our gratitude to our HOD (CSE) Prof. S. M. Mulla for their kind help and cooperation and special thanks to our Principal (B.V.C.O.E.K) Dr. V. R. Ghorpade for giving us opportunity to work on this project. We are highly obliged to the entire staff of the Computer Science & Engineering Department for their kind co-operation and help. We also take this opportunity to thank all our colleagues, who backed our interest by giving useful suggestions and all possible help.

Mr. Rakesh P. Choudhary

Mr. Abhinav A. Mashakshetri

Mr. Shadab S. Tahasildar



Kps logistics

Office::plot no-2865,near kmt petrol pump shiroli,kolhapur-416122,maharashtra. Mobile::9373461861 off-02302461861 Email::kpslogistics@rediffmail.com

Fleet Owners & Transport Contractor

www.kpslogistics.com

Ref. KPS/18-19/001

Date:15 07 2018

To.

r Sicipal,

Bnarati 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" Kingsman Prompt Services, 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. Rakesh Patelsingh Choudhary.
- 2. Abhinav Ashokrao Mashakshetri.
- 3. Shadab Salim Tahasildar.

The Project is "SMART LOGISTICS SOLUTION TO TRANSPORT SERVICES USING GPS & RFID" developed to automate transport operation like payment, booking order, delivery report, generating that sactions receipt, tracking vehicle etc. in a transport office. Using this system user can computerize transport office work like billing, tracking payments, creating report etc. The main job of the transporter is to provide transport service to consigner and consignee.

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.

FROMKPS LOG

Regards,

Propertor

Chibben

Patel H. C.

(Managing Director)



Kps logistics

Office::plot no-2865, near kmt petrol pump shiroli,kolhapur-416122,maharashtra. Mobile::9373461861 off-02302461861 Email::kpslogistics@rediffmail.com www.kpslogistics.com

Fleet Owners & Transport Contractor

DateDate: /28.03/2019

Ref.

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 "SMART LOGISTTICS SOLUTION TO TRANSPORT SERVICES USING GPS & RFID" with our organization. The project work which is completed is genuine and legitimate.

- Rakesh Patelsingh Choudhary 1.
- Abhinav Ashok Mashakshetri 2.
- Shadab Salim Tahsildar 3.

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, For KPS LOGISTICS

Proprietor

(Managing Director)



REF No. TE/LAT/2018-19/10

To,

The Principal,

Bharati Vidyapeeth's College of Engineering, Kolhapur.

Subject: Financial assistance for the project titled "Wall Climbing Robot for Dust Cleaning"

Dear Sir,

This is to inform you that our company is sponsoring the final year student project of the Electronics and Telecommunication Engineering department which is titled "Wall Climbing Robot for Dust Cleaning" with maximum amount/ expenses of Rs.36,500/- Rs. Thirty-Six Thousand Five Hundred Only. The sponsorship will be in terms of the purchase of project Components materials also Project testing costs, site visits, and expert resources. The amount to be utilized for the above project and during the academic year 2017-18 only. The duration for the complication of the project will be one year.

Kindly allow the following group of students to work under the Guidance/ Principal investigator of Ms. A. H. Tirmare, Assistant Professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

- 1 Ms. Amruta Anil Karande
- 2 Ms. Amruta Nitin Patil
- 3 Ms. Akshata Rajendra Belekar

Kindly consider this as a sanction letter; this is for your information and further needful action **Thanking you.**



Mr. Naústubh Gabale (EmbedPro Solutions)



- 9028785320 | 9850304719
- · embedgresolutions agmail com
- 174, Swenand, Near Trimurti Temple, Salokhe Nagar,
 - Kelemba Road, Kolhapur. 416007.



Industrial RGO Consultation & Service (Embedded Technology)

Date: 08/11/2018

- Industrial Projects (Automation, Controllers)
- Home Automation
- Product Prototyping
- Educational Project Guidance



PROJECT REPORT ON

"WALL CLIMBING ROBOT FOR DUST CLEANING"

SUBMITTED TO THE SHIVAJI UNIVERSITY, KOLHAPUR IN THE PARTIAL FULFILMENT OF REQUIREMENTS FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND TELECOMMUNICATION ENGINEERING SUBMITTED BY

Miss.Amruta Anil Karande.

Roll No.31

Miss. Amruta Nitin Patil.

Roll No.43

Miss.Akshata Rajendra Belekar.

Roll No.04

UNDER THE GUIDENCE OF

Mrs.A.H.Tirmare.

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

NEAR CHITRANAGARI KOLHAPUR-416013

2018-2019



BHARATI VIDY APEETH'S

COLLEGE OF ENGINEERING, KOLHAPUR

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that, project report entitled, "Wall Climbing Robot for Dust Cleaning" submitted by Miss. Amruta Anil Karande, Miss. Amruta Nitin Patil, Miss. Akshata Rajendra Belekar is bonafide work carried out by them under the guidance of Mrs. A.H. Tirmare and it is approved for partial fulfillment of the requirement of the Shivaji University. Kolhapur for the award of the Bachelor's Degree of Engineering in Electronics and Telecommunication Engineering.

Mrs.A.H.Tirmare

GUIDE

DATE:30/3/2019

PLACE: - KOLHAPUR

Prof Dr.K.R.Desai

H.O.D

Dr.V.R.Ghorpade

PRINCIPAL