



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)

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

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 6 | Governance, Leadership and Management |
| Key Indicator 6.4 | Financial Management and Resource Mobilization |
| 6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ non- government organizations) and it conducts financial audits regularly (internal and external) | |

Academic Year: 2018-19



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Dr. Vijay Ghorpade
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| Sr. No. | Particulars | Page Number |
|---------|---|-------------|
| 1 | Project: Steel Metal Bending Machine | 3 |
| 2 | Project: Design and Fabrication of Multipurpose Wheelchair | 5 |
| 3 | Project: Design and Development of CNG kit working on Biogas Fuel | 7 |
| 4 | Project: A Real-Time Solution to Flood Monitoring using IOT & Wireless Sensor Network | 9 |
| 5 | Project: Smart Logistics Solution To Transport Services, Kolhapur | 11 |



Group No-9-10



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 metal 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 to March 2019.

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 |
| 10 | Machining cost | - | - | Rs. 10,000.00 |
| 11 | Labour & Assembly Charges | - | - | Rs. 20,000.00 |
| 12 | Miscellaneous charges | - | - | Rs. 10,000.00 |
| 13 | Foundation | - | - | Rs. 2,500.00 |
| | TOTAL COST | - | - | Rs. 1,50,820.00 |



[Signature]
 Chacked By

[Signature]
 Approved By



SHREE GANESH DEVELOPMENTS

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

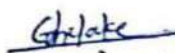
This is to certify that following students of BE mechanical course from Bharati Vidyapeeth college of engineering, Kolhapur are completed the project named DESIGN AND FABRICATION OF MULTIPURPOSE WHEELCHAIR, this project was investment of our company which is useful for differently abled person.

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

1. Shubham Prakash Patil
2. Rohit Rajendra Bhomaj
3. Abhinav Ashok Sawant
4. Shubham Dattatray Suryavanshi
5. Sammed Mohan Shete

Thanking You


Ganpati L. Shelake
(Manager Project)

SHREE GANESH DEVELOPMENTS



SHREE GANESH DEVELOPMENTS

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 |
| 11. | MISCELLANEOUS | NA | NA | 1500 | 1500 |
| TOTAL | | | | | Rs.24000 |

Ghale
SHREE GANESH DEVELOPMENT
Checked By

Ghale
SHREE GANESH DEVELOPMENT
Approved By

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



Engineers and Fabricators

**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

ZEAL ENTERPRISE

(Mr. Adinath Bhandare)



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

ZEAL ENGINEERS & FABRICATORS
Kolhapur
Proprietor
(Mr. Adinath Bhandare)

Date: 15/2/2019

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). ✓

Pl- accept & do needful
A/c
16/2/19

This is for your information and further needful.

Thanking You.


Mr. M.S. Sonawane

TPO



PUNJAB & MAHARASHTRA CO-OPERATIVE BANK LIMITED
 MULTI-STATE SCHEDULED BANK
 Gandhi Nagar Branch: 413, 3/1A, Main Road, Gandhi Nagar
 Tal. Karveer, Dist. Kolhapur-416119.
 RTGS/NEFT IFSC: PMCB0000211

Payee's A/c Only

VALID FOR THREE MONTHS FROM THE DATE OF ISSUE

13 02 2019
 D D M M Y Y Y Y

Pay Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur
 या धारक को Or Bearer

रुपये Rupees Ten thousand Only

अदा करें। ₹ 10,000/-

A/c.No. 211100100000225

For KIT'S COLL.OF ENGG. KOLHAPUR

[Signature]
 SECRETARY V.CHAIRMAN CHAIRMAN

Payable at Par at all CBS Branches

Please sign above this line

⑈006526⑈ 416328007⑈ 000014⑈ 10



PUNJAB & MAHARASHTRA CO-OPERATIVE BANK LIMITED
 MULTI-STATE SCHEDULED BANK
 Gandhi Nagar Branch: 413, 3/1A, Main Road, Gandhi Nagar
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रुपये Rupees Ten thousand Only

अदा करें। ₹ 10,000/-

A/c.No. 211100100000225

For KIT'S COLL.OF ENGG. KOLHAPUR

[Signature]
 SECRETARY V.CHAIRMAN CHAIRMAN

Payable at Par at all CBS Branches

Please sign above this line

⑈006534⑈ 416328007⑈ 000014⑈ 10





Kps Logistics

Office:-Plot no-2865,near kmt petrol pump
Shiroli Kolhapur -416122 Maharashtra.
Mob-9373461861 off-2302461861
[Email—kpslogistics@reddiffmail.com](mailto: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 completion 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
2. 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

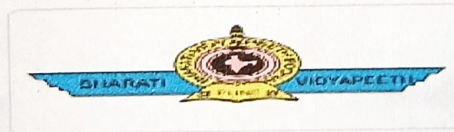
Mr. Rakesh P. Choudhary (06)

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

ACKNOWLEDGEMENT





CERTIFICATE

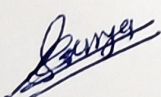
This is to certify that the project report entitled “**Smart Logistics Solution to Transport Services Using GPS & RFID**” submitted by Mr. Rakesh P. Choudhary, Mr. Abhinav A. Mashakshetri, Mr. Shadab S. Tahasildar for the partial fulfillment of the requirement for the award of degree of **Bachelor of 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: Kolhapur


Prof. S. M. Mulla
Guide


Prof. S. M. Mulla
HOD


External Examiner


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 co-operation 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
www.kpslogistics.com

Fleet Owners & Transport Contractor

Ref. KPS/18-19/001

Date: 15 07 2018

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 "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 transactions 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.

Regards,

From KPS LOGISTICS

Proprietor

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

Ref.

Date: /28.03.2019

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


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

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)