



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.bharativedyapeeth.edu> E-mail : coekolhapur@bharativedyapeeth.edu

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

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: 2017-18



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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)	Nature of the award	Name of the Funding Agency/ awarding agency	Page No.
1	Project: Underwater Robot Using Raspberry - Pi	Ms. A. H. Tirmare	Electronics and Telecommunication Engineering	2017-18	0.10	Research Sensitization Scheme for College students	Shivaji University, Kolhapur under Lead College Concept	4
2	Patent: Intelligent Coin Separator	Mr. Kedar K. Patil	Mechanical Engineering	2017-18	0.09	Industry-Sponsored Project	Bharati Vidyapeeth's College of Engg., Kolhapur	6
3	Project: Intelligent Modular Robot Vehicle for Defense and Disaster management	Mr. V. T. Didake	Mechanical Engineering	2017-18	0.21	Industry-Sponsored Project	Robosap Innovations Private Limited	7
4	Project: Design Development and Testing of	Mr. M. S. Kulkarni	Mechanical Engineering	2017-18	0.35	Industry-Sponsored Project	A-Tech Engineering	9


	Variables Damping Suspension System							
5	Project: Human Powered Forklift	Mr. S. P. Jarag	Mechanical Engineering	2017-18	0.12	Industry-Sponsored Project	Varsha Industries Kagal	10
6	Project: Groundnut Pods Separator & Cutter	Mr. S. B. Kamble	Mechanical Engineering	2017-18	0.14	Industry-Sponsored Project	Shree Kshetra Siddhagiri Mahasansthan	12
7	Project: Design and Development of all-Terrain Vehicle	Mr. S. P. Jarag	Mechanical Engineering	2017-18	0.70	Industry-Sponsored Project	Shrikant Engineering works	13
8	Project: Automatic Braking System & Fuel Flow Measurement Device	Mr. M. S. Kulakarni	Mechanical Engineering	2017-18	0.25	Industry-Sponsored Project	Robosap Innovations Private Limited	14
9	Project: Detecting Experts on Quora	Mr. S.B.Patil	Computer Science and Engineering	2017-18	0.25	Industry-Sponsored Project	Apex Technology	15
10	Project: Mobimed The Health Assistant	Mr. S. B. Takmare	Computer Science and Engineering	2017-18	0.15	Industry-Sponsored Project	Global Eye Technology	16
11	Project: Automation For Toll Collection and Vehicle Security	Mr. S.U. Kadam	Computer Science and Engineering	2017-18	0.30	Industry-Sponsored Project	Electro Dreams Tech India	17
12	Project: Hand Motion Crane Control System	Mr. Veeresh PM	Electronics and Telecommunication Engineering	2017-18	0.27	Industry-Sponsored Project	Tirupati Enterprises	18
Total Amount Sanctioned (INR in Lakhs) for AY 2017-18					2.93			

RESEARCH SENSITIZATION SCHEME FOR COLLEGE STUDENTS

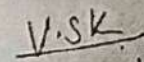
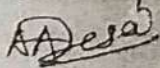
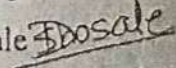
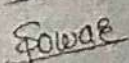
Application for the financial support to research project
(to be submitted to the Lead college)

1.	Name of the college/Institute	Bharati Vidyapeeth's College of engineering, Kolhapur.
2.	Names of the students (upto four)	i)Mr. Vishwajeet Koli. ii)Mr. Aniket Desai. iii)Miss.Devayani Bhosale. iv)Miss. Swarupa Powar.
3.	Title of the project	"UNDERWATER ROBOT USING RASPBERRY-PI"
4.	Area of research project/subject	ROBOTICS
5.	Details of the research project	To be attached on separate pages
	i)Problems and it's importance	
	ii)Objectives	
	iii)Methodology	
	iv)Projected output-	
	v)Financial requirements(up to Rs.10000/-)	Rs. 9800/-
6.	Any other information,if any	To be attached on separate page(s)

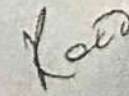
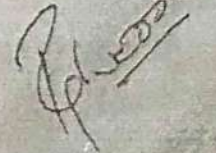
Name and signature of the project advisor


PROF. A.H.TIRMARE

Names and signature of students

i)Mr.Vishwajeet Koli 
ii)Mr.Aniket Desai 
iii)Miss.Devayani Bhosale 
iv)Miss.Swarupa Powar 

Forwarded through Principal/Directors



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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Pay Principal Bharati Vidyapeeth's College of Engineering Kolhapur
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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



PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
S.M. Road, Astop Hill, Mumbai-400 037
Te No. (091)(022) 24137701, 24141026 FAX No. 02 24130387
E-mail : mumbai-patent@ipc.in
Web Site : www.ip.india.gov.in



Docket NO : 47576
To
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR
NEAR CHITRA HAGARI, MOREWADI, KOLHAPUR, MAHARASHTRA, INDIA - 416 013.

Sr. No.	CBR Number	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1	22529	ORDINARY APPLICATION Pages:-21 , Claims:-8,Drawings:-5,Abstract-1,Claims pages:-1	201821038013	"INTELLIGENT COIN SEPARATOR"	8800	8800
2		E-2/2027/2018-MUM	201821038013	Form2	0	0
3		E-3/12279/2018-MUM	201821038013	Form3	0	0
4		E-5/1637/2018-MUM	201821038013	Form5	0	0
Total Amount					8800	8800

Received a sum of Rs. 8800 (Rupees Eight Thousand Eight Hundred only) as under

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash	---	---	---	8800

Note: This is electronically generated receipt hence no signature required.



Manufacturers and Dealers in Robotic Kits, CNC's, 3D Printing, IOT, Quadcopters and Aeromodelling Electronic Components, Microcontroller Kits, Raspberry Pi and Automation Equipments

REF No: R&D/STN/15-18/017

Date: 15/11/18

SPONSORSHIP LETTER

This is to certify that following final year Engineering students of B.E Mechanical Engineering course at Bharati Vidyapeeth's College Of Engineering, Kolhapur are sponsored for following project in our organization for the academic year 2017-2018.

Title of the project: "Intelligent Modular Robotic Vehicle for Defense and Disaster Management"

Sl. no	Name
1)	Vaibhav Bhausahab Jadhav
2)	Manik Hanamant Kadam
3)	Amruta Shivling Vibhute
4)	Tejaswini Shahaji Jadhav
5)	Somesh Satish Jadhav

Terms and conditions:

- 1) Students are expected to work sincerely and regularly on the project to complete the same in stipulated time
- 2) All the required facilities and equipments to carry out the project work would be provided by robosap.com.

Rohit Kadam
Managing Director
Robosap Innovations Private Limited
Seal and Signature
15/11/18



ROBOSAP
LIMITED

Manufacturers and Dealers in Robotic Kits, CNC's,
3D Printing, IOT, Quadcopters and Aeromodelling
Electronic Components, Microcontroller Kits,
Raspberry Pi and Automation Equipments

Date:

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

Sub: Cost estimation letter for sponsored project **INTELLIGENT MODULAR ROBOTIC VEHICLE FOR DEFENSE AND DISASTER MANAGEMENT**

Dear Sir,

This is reference to your letter. We are pleased to accept your letter and provide permission for doing project. As per the policy we provide good resource and material for successful completion of project.

Sr. No.	Resources/Material	Cost
1	Components	18980
2	Fabrication	1500
3	Other Expenses	1000
	Total	21480

We hereby approved application from student and further activities of below mentions students from department of mechanical. The names of students are;

1. MANIK HANAMANT KADAM
2. SOMESH SATISH JADHAV
3. VAIBHAV BHAUSAHEB JADHAV
4. TEJASWINI SHAHAJI JADHAV
5. AMRUTA SHIVLING VIBHUTE

Robosap Innovations Private Limited
Kadam

Managing Director

Director

Seal and Signature



To,
Head of Department,
Dept. of Mechanical Engineering,
B.V.C.O.E. Kolhapur.

Sub- Expenditure letter for project "Design, Development and Testing of Variable Damping Suspension System"

Respected Sir,

This is reference to the above mentioned project related estimated cost. We already permitted for doing at our concern for the period of 15th Jan 2018 to 15th March 2018. As per the policy we have provided good resource and material for successful completion of project.

Sr.No	Resources/Material cost	Amount in RS
1	Raw Material	10800
2	Machining Cost	8299
3	Fabrication	1900
4	Assembly	1400
5	Bench work	900
6	Motor 2	2450
7	Piston Seal 1	610
8	Bearings 5	2600
9	Spring 1	800
10	Linear Slide 1	3400
	Total	34960

Project Member- Kale Manik Ravindra

Sawant Ashish Babaso

Mali Ashish Subhash

Shinde Akshaykumar A.

Rajgolikar Dhruwankur Govind

VARSHA INDUSTRIES

ALL TYPES OF PRECISION ENGINEERING WORKS

A-160, Five star midc ,Kagal.Tal-hatkanagle, Dist-kolhapur.

Email:-Varsha.kagal@gmail.com. Mobile:-8698846487.

DATE: 10/07/2017

REF:VI/2017-18/243

LETTER OF SPONSORSHIP

Concern to.

Student Name- 1) Mr. Toraskar Rahul Rajaram.

2) Mr. Vangutte Onkar Vijay

3) Mr. Patil Onkar Chitranjan

4) Miss Rakshe Sujata Sanjay

5) Miss Kadam Jyoti Yashwant

College Name : Bharti Vidyapeeth's College of Engineering, Kolhapur

Project Title : **Human Powered Forklift**

I am very glad to agree that I am going to sponsor above student's project which is very impressive and useful to material handling equipment sector.

If you have any queries feel free to contact me.

Thanks & Regard.

SEAL

M/s. Varsha Industries
Plot No. A/160 Kagal-Hatkanangale
Five Star M.I.D.C. Kagal.

COST ESTIMATION

SR.NO.	MATERIAL	QTY.	COST
1.	Chain Sprocket	2	800
2.	Chain	1	500
3.	M.S. Plate(5*25)	1	750
4.	Sheet(base)	1	750
5.	Fabrication	1	2000
6.	Machining +colouring		1500
7.	M.S. Rod	1	500
8.	Fasteners		300
9.	Front wheel	2	1000
10.	Rear wheel	2	700
11.	Handles	2	400
12.	Bearing	8	1500
13.	Pulleys	2	1200
TOTAL			11900

Table no. 27



Date: 29/3/2018

LETTER OF EXPENDITURE

Project Title: - "Groundnut Pods Separator and Cutter"

During the manufacturing of Groundnut Pods Separator and Cutter total

SR.NO.	MATERIAL	QTY.	COST
1.	Square pipe	1	500
2.	Shaft	4	1000
3.	Pulleys	2	1500
4.	Sheet(base)	1	500
5.	Bearing	7	2200
6.	Machining + coloring	1	1000
7.	Nut Bolt	5	60
8.	V belt	1	300
9.	Worm and worm wheel	1	1500
10.	Spoke wheel	1	400
11.	Cutter Blade	3	700
12.	Coupling	1	500
13.	Motor	1	2000
14.	Fabrication	1	2000
TOTAL		30	14160

Thanks & Regard

SEAL



SHRIKANT ENGINEERING WORKS

Plot No 423/50 Panjarpol Industrial Estate Kolhapur
Agricultural Impilments & Repairing of All Type Job Works

Ref No: SEW/4235 |

Date 15/03/2018

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

Sub: Cost estimation letter for sponsored Project **Design And Development of All Terrain**

Vehicle

Dear sir,

This is reference to your letter dated on 02/08/2017. We are pleased to accept your letter and provide permission for doing project from 09/09/2017 to 27/02/2018. As per the policy we provide good resource and material for successful completion of project.

SR NO	RESOURCES/MATERIAL	COST
1	COMPONENTS	45000/-
2	FABRICATION	15000/-
3	OTHER EXPENCES	10000/-
	TOTAL	70000/-

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

AKSHAY BAJRANG KHOT
KUNAL JAYWANT MAHEKAR
VAIBHAV JAYWANT MAHEKAR
MOHANISH MARUTI PATIL
GURUNATH SADASHIV PATIL

We are wishing you for the project.

Shrikant Engineering Works

(15/03/18)
Proprietor

SHRIKANT ENGINEERING WORKS

Proprieter

(Mr. Amit Sutar)



**ROBOSAP
LIMITED**

Manufacturers and Dealers in Robotic Kits, CNC's,
3D Printing, IOT, Quadcopters and Aeromodelling
Electronic Components, Microcontroller Kits,
Raspberry Pi and Automation Equipments

REF No: [REDACTED]

Date: [REDACTED]

To,

Head Of Department,

Mechanical Engineering,

B.V.C.O.E. KOLHAPUR.

Sub: Cost estimation letter for sponsored Project Design Development And Manufacturing of Automatic Braking System And Fuel Flow Measurement

Dear sir,

This is reference to the your letter dated on 02/08/2017. We are pleased to accept your letter and provide permission for doing project from 09/09/2017 to 27/02/2018. As per the policy we provide good resource and material for successful completion of project.

SR NO	RESOURCES/MATERIAL	COST
1	COMPONENTS	16000
2	FABRICATION	5000
3	OTHER EXPENCES	4000
	TOTAL	25000

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

1. Sachin Balasaheb Pawar
2. Dnyaneshwar Sahebrao Patil
3. Ramchandra Gorakh Sarak
4. Dhuladev Raghavendra Agalave
5. Nitesh Narayan Rawool

For Robosap Innovations Private Limited
Rohit Kadam
Managing Director
Director

Seal and Signature

Apex Technologies

Outward Number:- 2

Date :- 19-7-2017

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

Subject: Financial Assistance for the project titled "Detecting Experts on Quora"

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 "Detecting Experts on Quora" with maximum amount/ expenses of **Rs 25, 000/- (Rs. Twenty Five 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 **2017-2018 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 Mr. S.B.Patil Assistant Professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

Name of Students:

1. Mr. Nishant S Vhatkar
2. Mr. Tejas S Mudolkar
3. Mr. Prathamesh D Nadgouda
4. Ms. Ashwarya R Patil
5. Mr. Unmesh S Phadnis

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

Thanks and Regards



For Apex Technologies

Name of Director (Managing Director)



Global Eye Technology

4th Floor Tirth Enclave Rajarampuri 11th Lane Bus Route

Near Renuka Mandir ,Kolhapur -416 008

Office: 0231-2646464 Mob: +91 9604755733

info@globaleyetechnogy.com

To,

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled “Mobimed The Health Assistant”

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 ““**Mobimed The Health Assistant**”” with maximum amount/ expenses of **Rs.15, 000/- (Rs. Fifteen 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 **2017-2018 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 Mr. S. B. Takmare Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

Name of Students:

1. Mr. Shesharaj K Gore
2. Ms Priyanka P Kulkarni
3. Mr.Shailesh S Jadhav
4. Ms. Pooja S Manre
5. Ms.Vaibhavi P Rendalkar

Kindly consider letter as sanction letter, this is for your kind information and needful



Soham S. More Technical Director

REMN NO.273351104474/7/2017

Date 15/7/2017

To,

The Principal

Bharati Vidyapeeth's College of Engineering, Kolhapur

Subject: Financial Assistance for the project titled “Automation For Toll Collection and Vehicle Security”

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 “Automation For Toll Collection and Vehicle Security” with maximum amount/ expenses of **Rs.30, 000/- (Rs. Thirty 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 2017-18 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 Mr. S.U. Kadam Assistant professor Bharati Vidyapeeth's College of Engineering, Kolhapur.

Name of Students:

1. Mr. Jagtap S Dattatray
2. Ms Shweta A Ghatage
3. Ms.Supriya S Koli
4. Ms.Neelam M Yadav
5. Ms.Prajakata Ayarekar

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



(Managing Director)





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

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

REF No. TE/LAT/2017-18/010

Date: 04/08/2017

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

Subject: Financial assistance for the project titled "Hand Motion Crane Control System"

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 "Hand Motion Crane Control System" with maximum amount/ expenses of Rs.27,135/- (Rs. Twenty-seven Thousand One Hundred Thirty-five 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 completion of the project will be one year.

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

- 1 Mr. Nikalje Bhagyesh Sarjerao
- 2 Mr. Patil Akash Yashavant
- 3 Mr. Pandharpatte Swapnil Mohan

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)