



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Criterion 7 – Institutional Values and Best Practices

Key Indicator - 7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Sr.No.	Documentary Evidences / Sample Documents	Page No.
1	Best Practice-I with supporting documents	1-45
2	Best Practice-II with supporting documents	46-57

BEST PRACTICE I

Title of the Practice: Imparting skills through Project Based Learning.

Objective of the Practice

1. To give scope for creativity among the students.
2. To help develop critical thinking ability.
3. To develop the ability to work in a group /team.
4. To develop the interpersonal skills among the students.
5. To help develop entrepreneurial skills.

The Context:

- In affiliated colleges, classroom teaching and laboratory work is carried out pertaining to the syllabus provided by the affiliating university. The theoretical inputs are given in the classroom whereas skills are imparted during practical sessions. Structured nature of the syllabus seldom allows crossing of the boundaries specified by the syllabus; hence there is limited scope for the students to work independently and explore their creativity. Integrating what has been learned in individual courses and applying it comprehensively does not happen.
- To bridge the gap, Karmaveer Bhaurao Patil College of Engineering practices project-based learning to complement classroom teaching and laboratory work. Project-based learning helps students to use their creativity.
- Attempts are made to offer projects for a batch of students; pertaining to the course that is taught in the classroom or laboratory.
- Engineering students have to undertake mini projects and major projects as their course work, under the supervision of the faculty, expert in the respective technology domain. Undertaking projects in the small groups related to individual courses give the opportunity to the students to experiment by using their creative ideas and helps them in understanding practical difficulties in implementation. This develops their ability to complete mini and major projects more effectively and efficiently.

The Practice:

- Individual faculty informs students about the practice followed in the institute at the beginning of the semester.
- Faculty identifies small projects which will help in understanding concepts. Students also have the freedom to choose their own concept to work on. A small group of students is formed and projects are allotted to these groups.
- Students search the relevant literature, develop the concept, prepare designs based on the concept and validate it in consultation with the course coordinator. Further, they convert the concept into a prototype and demonstrate to the course coordinator. During the design and manufacturing phases, students learn to develop alternatives and choose the right one. They complete the project in the stipulated period of time and write a report in the prescribed format.
- To help students do the activities, departments conduct need-based workshops for project-based learning. During this workshop, students are given the insight of different fields of engineering, fundamentals, emerging technology, tools, software's and practices. During the workshop, while interacting with the faculty, students

develop the ability to identify the problem, develop alternative solutions, testing feasibility of the solution, etc.

- Successful projects are presented in different National/International project competitions organized by Government, university and other renowned organizers.
- Potential projects can be converted into products and successful businesses.

Evidence of Success:

- For almost every course project-based learning is practiced and is well appreciated and enthusiastically accepted by students.
- The number of industries are sponsoring live projects to the students as their final year project.
- Every year, projects are getting selected for TEXAS Instrument India Innovation Challenge organized in association with the Department of Science and Technology, Government of India and IIM, Bangalore. Every team of students is getting components and tools worth \$ 200. One of the team has bagged runner up prize worth USD 5000.
- The team of the second year, third year and final year students designed and developed the all-terrain vehicle. This was their first time attempt. The vehicle took part in National level Rally Car Design Challenge competition held at Bikaner. The team was amongst top 10 finalists. The project received sponsorship from Cooper Corporation Pvt. Ltd., Satara worth Rs. 5 lakh.
- Students have received awards in university-level project competition
- Students have presented technical papers in national conferences and international conferences.
- Based on the projects undertaken some students have started their startup business.

Problems Encountered and Resources Required:

- Finance is one of the hindrances while handling costly projects like an all-terrain vehicle. Institute approached for help to local industry. Looking at the enthusiasm of faculty and students, industry sponsored the project. This may not happen every time and some provision will have to be made to tackle such issues.
- Earlier, students considered it an additional burden and were a bit reluctant to participate. Constant dialogue and counseling could overcome these initial hurdles. The faculty has to spend extra hours on the activity which they are willingly doing.
- While handling projects sponsored by industries, students have to visit industry more frequently according to the convenience of the industry; which affects the attendance of these students in the classroom.
- Sometimes students divert all attention to the project. They need to be counseled to maintain the balance between regular academics and projects.
- Equipment, components, funds limit the conversation of concepts to product /prototype.



Rayat Shikshan Sanstha's
**Karmaveer Bhaurao Patil College of
Engineering, Satara**

Project Based Learning

Program with code: MECHANICAL

Class: TE

Semester: VI

Academic Year: 2017-18

Course with code: INDUSTRIAL FLUID POWER

Project title :PNEUMATIC CYLINDER OPERATED DICKY

(wagonR)

f sing



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara

Group Members:

Roll No	Name
06	BHONDAVE MRUNAL S.
07	BHOSALE SANYUKTA R.
13	DESHMUKH SNEHAL R.
29	KAMBLE KOMAL P.
33	KENJALE PRAJKTA R.
51	PAWAR VIDYA R.
57	SAWANT SAPANA R.
30	Karande pooja A.

Faculty Name and Designation:

Prof.Sawant K.H.

Assistant professor (Mechanical Department)

Objectives:

- 1)To study the pneumatic system in automobile cars.
- 2)To fill the gap between theory and practical.

Outcome:

- we got knowledge about how pneumatic system is used in the automobile cars.
- we also got the idea of dicky operated on pneumatic system.
- Through project based learning we applied our theory knowledge in practical.



Schedule:

Duration	Activity	Remark
1hrs	Working of pneumatic cylinder	
15min	Observation of process	
1:30hrs	Collecting information of pneumatic operating dicky	
2hrs	Report on pneumatic dicky	

Theory/Design/Methodology:_____

How a gas spring works

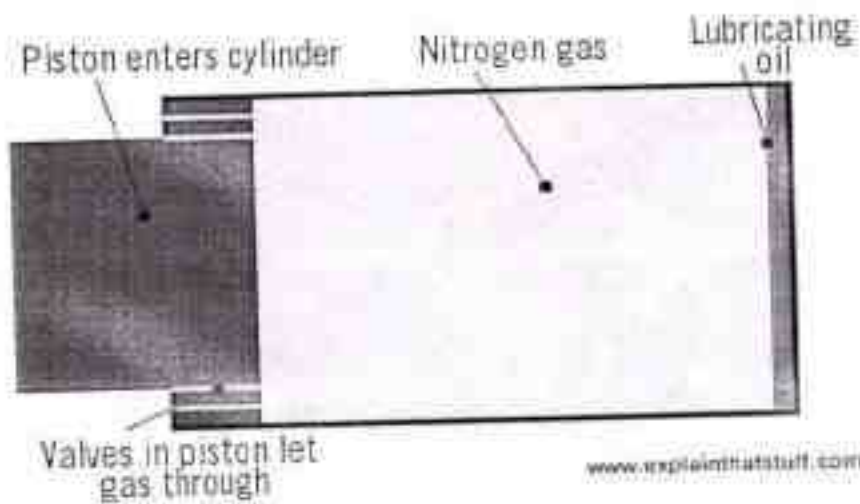
The basic idea

A gas spring is a bit like a super-sturdy version of a bicycle pump, only it's filled with pressurized nitrogen gas (the major constituent of the air around us) and oil and completely sealed up so they can't escape. The gas allows the spring to store energy, while the oil damps (slows and smooths) the movement of the piston and also provides lubrication. Just like in a bicycle pump, there's a tight-fitting piston mounted on a rod that can slide back and forth inside a cylinder (made from heavy gauge steel, not light plastic as in a bicycle pump).

Push on a gas spring and you force the piston rod and piston into the cylinder and this compresses the gas. Stop pressing and let go and the pressure of the gas pushes the piston back out again. So far, that sounds just like a bicycle pump—but it's working in a different way. Unlike with a bicycle pump, gas inside the cylinder can actually flow through or around the piston from one side to the other as it moves back and forward. Exactly how this happens varies from one design of gas spring to another; usually the piston has one or more holes or valves in it. Now if the piston can move through the gas, you might think it isn't compressing the gas at all. But don't forget that the whole cylinder is completely sealed. When the piston rod is inside the



cylinder, it's taking up room that the gas previously occupied. In other words, when a gas spring is fully pushed in, you've compressed the gas inside by an amount equal to the volume of the piston rod. If the piston rod occupies virtually the whole cylinder, you can see that the gas is getting compressed quite substantially. The gas pressure can be very high, typically up to about 170 times normal atmospheric pressure!



Working



Results Discussion

- we got knowledge about how pneumatic system is used in the automobile cars.
- we also got the idea of dicky operated on pneumatic system.
- Through project based learning we applied our theory knowledge in practical.

Conclusion

Due to project based learning we get the idea about how actual working is done in pneumatic cylinder in automobiles.





References

Books

- *Hydropneumatic Suspension Systems* by Wolfgang Bauer. Springer, 2014. A detailed engineering guide covering springs, shock absorbers, and gas springs.

Patents

- US Patent 4,433,759: Gas spring by Hisao Ichinose, Nissan Motor Co. Ltd., February 28, 1984. A typical telescopic gas spring used on an automobile's hatch door.
- US Patent 4,309,026: Gas spring by Hermann Reuschenbach and Willi Schafer, January 5, 1982. A typical suspension-type gas spring with an automatic built-in braking system.
- US Patent 3,727,872: Column of an office chair by Albert Spieth and Rudolf Spieth, April 17, 1973. An adjustable and lockable gas spring for office chairs.
- US Patent 3,388,883: Hydropneumatic support column of adjustable length by Felix Wassner and Ludwig Axthammer. Fichtel & Sachs Ag, June 18, 1968. A gas-liquid spring for supporting tables, chairs, and so on.

Project Based Learning

Academic Year: 16-17 Semester: - I/II

Course name: Computer Algo.

Sr.No	Project Title	Objectives	Outcomes	Roll numbers of the participants	Date of Completion	Remarks of Faculty
1.	Implement and find the time and space complexity of : Merge Sort	<ol style="list-style-type: none"> To understand working of assign algorithm To Implement assign Algorithm To Discuss given algorithm 	<ol style="list-style-type: none"> Able to analyze assign algorithm Able to solve different real time problem Able to analyze complexity 	Roll no. 1 to 5	10/07/2016	Implement in <u>Average</u>
2.	Implement and find the time and space complexity of : Quick Sort			6 to 10	26/07/16	Good
3.	Implement and find the time and space complexity of : Binary Search			11 to 15	02/08/16	Good
4.	Implement and find the time and space complexity of : Selection Sort			16 to 20	09/08/16	Excellent
5.	Implement and find the time and space complexity of : All pair Shortest Path algorithm			21 to 25	02/08/16	Excellent
6.	Implement and find the time and space complexity of : Multistage Graph			26 to 30	10/8/16	Good
7.	Implement and find the time and space			31 to 35	24/08/16	Average

	LITERATURE OF THE Problem	Assignment	different real time problem			
8.	Implement and find the time and space complexity of : Bubble Sort	2. To Implement assign Algorithm 1. To Discuss given algorithm	3. Able to analyze complexity	36 to 40	2/0/2016	Average
9.	Implement tower of Hanoi Problem			41 to 45	4/5/2016	Not good
10.	Implement and find the time and space complexity of : Min max Algorithm			46 to 50	02/5/16	good
11.	Implement and find the time and space complexity of : Reliability Design Problem			51 to 60	1/9	good
12.	Implement Graph Coloring Problem			61 to 69	02/08	Good
13.	Implement Hamiltonian Cycle Problem			66 to 70	20/08	Good Excellent
14.	Implement 8 queen Problem			71 to 75	13/9	Good
15.	Implement Solution for knap sack problem			76 to 80	02/19	Good.


 Signature of the Faculty

Seen


PATENT OFFICE

INTELLECTUAL PROPERTY BUILDING

S.M. Road, Airoop Hill, Mumbai-400 037

Te No. (0911) 022: 24137701, 24141026 FAX No. 02 24130387

E-mail: mumbai.patent@nic.in

Web Site: www.ipindia.gov.in

Docket NO : 16438

To

CHAITANY MOHAN JAMDAR

FLAT NO. K2, TAPOVAN APPARTMENT, JAVADEKAR CHOWK, ISLAMPUR-415 409, INDIA.



GOVERNMENT OF INDIA



INTELLECTUAL
PROPERTY INDIA

Date/Time : 2018/04/06 16:04:28

Agent Number:

Sr. No.	CBR Number	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1	6484	ORDINARY APPLICATION Pages:-19 , Claims:-0,Drawings:- 0,Abstract:-0,Claims pages:-0	201821013206	EFFECTIVE UTILIZATION OF DOMESTIC WASTE FOR GENERATION OF FUEL AND ENERGY.	1750	1750
2		E-2/741/2018-MUM	201821013206	Form2	0	0
3		E-3/4223/2018-MUM	201821013206	Form3	0	0
4		E-5/627/2018-MUM	201821013206	Form5	0	0
Total Amount					1750	1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) as under

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash	---	---	---	1750

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



Government of India
Patent Office
Intellectual Property Office Building,
S.M. Road, Antop Hill,
Mumbai-400037
Phone- 022-24137701,24142026
Fax: 022-24130387
e-mail: mumbai-patent@nic.in

Application Filing Receipt

CBR Number : 27897

CBR date: 28-12-2018

Application Type: ORDINARY APPLICATION
Priority Number:
Priority Date:
Priority Country: Not Selected

To,
Yogesh Uttam Kale
Yogesh Uttam Kale At- Kalewadi, Post- Naravane, Tal- Man, Dist-Satara 415540

Received documents purporting be to an application for patent numbered 201821049758 dated 28-12-2018 by Yogesh Uttam Kale of At- Kalewadi, Post- Naravane, Tal- Man, Dist-Satara 415540 relating to An efficient onion root and leaf removal device with minimum skin damage. together with the Provisional and fee(s) of ₹1600 (One Thousand Six Hundred only).

Note:

1. In case of Patent Application accompanied by a Provisional Specification, a complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 9(1) of the Patent Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you wish so. If, in addition to withdrawal, you also wish to prevent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority or date of filing, whichever is earlier.
3. If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority or date of filing, whichever is earlier.
4. If you wish to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

(For Controller of Patents)

* This is a computer generated receipt, hence no signature required.



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College
of Engineering, Satara
Satara- 415001, Maharashtra, India



Construction of Plastic Road in Ambavde, Khatav

In Collaboration with

Mayur Industry, M.I.D.C., Satara

Research Pilot Project

Project Coordinator: Prof. Anand Tapase

Civil Engineering Department

2016

Sr. No	Content Page
1	News Paper Cutouts
2	First page of final year students research project
3	Invitation Letter
4	Sponsorship Letter from Mayur Industries
5	Letter from Principal to Mayur Industries, M.I.D.C., Satara
6	Letter to Executive Engineer, ZP, Satara
7	Guidelines for use of Waste Plastic IRC: 98-2013 front page
8	Guidelines for use of Waste Plastic IRC: SP:53-2010 front page
9	Estimate of Approach Road to Smashan Bhumi at Ambavde Taluka Khatav
10	Requirement from Grampanchayat Ambavde
11	Faculty Coordinators report

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द्वारकीकम्पासटी आता प्लास्टिकचा वापर
 टाकाऊ प्लास्टिक वस्तु - दुष्प्रकारित प्लास्टिकचे वापर टाकाऊ प्लास्टिक वस्तु



ऐक्या
 ए. आर. जयकर

केवडीच्या विद्यार्थ्यांनी नर्सकता टाकाऊ प्लास्टिकामुन टकाऊ प्ला



आवाज

प्लॅस्टिकपासून मजबूत, टिकाऊ रस्ता तयार!

अंबवडेत 'कच्चीपा'च्या विद्यार्थ्यांचा प्रयोग, कामगारांचेर मापकरोली सुरु




GUIDELINES FOR THE USE OF WASTE PLASTIC IN HOT BITUMINOUS MIXER DRY PROCESS IN WEARING COURSE



INDIAN HEAVY CONSTRUCTION





M/s. MAYUR INDUSTRIES

Reprocessor & Reseller of H.M., P.P., H.D., L.D.P.E., Plastic Granules
Work & Office :- J-2/20, Addl. M.I.D.C.
Satara - 415004. Ph. :- (02162) 248226 M No: 942119226

Ref. M/S./MI/226/2016-17

Date 6/01/16

To
The Principal
Rayat Shikshan Santha's,
Karmaveer Bhaurao Patil College of Engineering, Satara

Subject: Sponsorship to the Pilot Project of Plastic Road
Reference: Your Letter KBPCOES/Civil/ 2236C, dated: 31/12/2015

Respected Sir,

We are happy to offer a **sponsorship** in terms of Shredded and recycled plastic material in the appropriate size as mentioned in IRC: SP-98-2013 costing Rs. 12,000/- for the Research Pilot Project,

Title of the Project: Construction of Plastic Road in **Ambavde, Khatav** in association with ZP, Satara

We are providing 100% of the material in the appropriate norms as per the quantity and size discussed with the Project-Incharge Prof. Anand Tapase from your institute.

We are happy to be associated with you as a part of this Pilot Project which is beneficial to the society.

This is for your information and further procedures.

Thanking you.



B.N. Wanjare
Shri. B.N. Wanjare
Mayur Industries
M.I.D.C., Satara



"Education through self-help is our motto" - Karmaveer
Rajyat Shikshan Sanstha's

Estd :-1983

Karmaveer Bhaurao Patil College of Engineering, Satara.

Sadar Bazar, Near RTO Office, Satara, Maharashtra State (INDIA) Pin - 415 001.

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil (D.Litt.)

[Approved by AICTE, New Delhi, DTE, Maharashtra State - Affiliated to Shivaji University, Kolhapur]

website. www.kbpcoes.edu.in

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Dr. Vikram Patil

Principal

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Phone : +91 2162 230636 / 235767 / 233005

Ref. No. : kbpcoes / CIVIL / 2236 B

DATE : 31/12/2015

प्रती,

मा. कार्यकारी अभियंता बांधकाम

दक्षिण विभाग जिल्हा परिषद सातारा.

विषय:- जिल्ह्यात एक पतदर्शी (Pilot Project) प्रकल्प म्हणून अंबवडे ता - खटाव येथे अंतर्गत पोहोच रस्ता डांबरीकरण करणेकामी टाकाऊ प्लास्टिकचा वापर करणे व बांधकाम विभाग जिल्हा परिषद सातारा यांचे समवेत काम करणेची संधी मिळणेबाबत.

संदर्भ:- मा. सरपंच ग्रामपंचायत अंबवडे ता - खटाव यांचे पत्र, कर्मवीर भाऊराव पाटील अभियांत्रिकी महाविद्यालय आवक क्र. १४०२, दिनांक: १२/१०/२०१५.

महोदय,

विषयांकित ग्रामपंचायतीस जिल्हा वार्षिक योजनेमधून जनसुविधा योजनेअंतर्गत रस्ता डांबरीकरणासाठी रुपये सात लक्ष मंजूर झाले आहेत. सदर ग्रामपंचायती अंतर्गत पोहोच रस्ता डांबरीकरण करणेकामी, टाकाऊ प्लास्टिकचा वापर डांबरीकरण करण्यासाठीचे तंत्रज्ञान आमच्या संस्थेकडून मागितले आहे.

टाकाऊ प्लास्टिकचा वापर रस्ता डांबरीकरणासाठी देश पातळीवर नव्याच ठिकाणी केला गेला आहे, त्याच प्रमाणे टाकाऊ प्लास्टिकचा वापर कसा व किती प्रमाणात करावा ह्यासाठी इंडियन रोड काँग्रेस (Indian Road Congress, IRC) ने मार्गदर्शन सूचना (Guidelines) देखील प्रसिद्ध केल्या आहेत.

रयत शिक्षण संस्थेच्या आमच्या कर्मवीर भाऊराव पाटील अभियांत्रिकी महाविद्यालयामधील स्थापत्य विभागामधील विद्यार्थी ह्याच टाकाऊ प्लास्टिक पासून टिकाऊ रस्ते विषयावर प्राध्यापक आनंद तपासे व विभागप्रमुख प्राध्यापक जगन्नाथ ह्यांच्या मार्गदर्शनाखाली संशोधन व सातत्यात कचऱ्यातून मिळणारे टाकाऊ प्लास्टिकच्या प्रमाणाबद्दल माहिती गोळा करत आहेत.

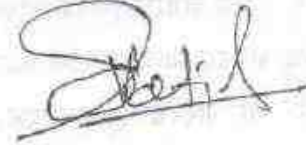
आम्ही या ठिकाणी नम्रपूर्वक सादर करू इच्छितो की टाकाऊ प्लास्टिकचा वाढत चाललेला विळखा व पर्यावरणाचा होत असलेला न्यास रोखण्यासाठी, टाकाऊ प्लास्टिकचा रस्ता डांबरीकरणासाठी योग्य प्रमाणात उपयोग केल्यास, रस्ता अधिक टिकाऊ होईल, निधीमध्ये बचत

होईल. तरी आम्ही सदर कामासाठी निशुल्क तंत्रज्ञान तथा मार्गदर्शन पुरवू इच्छितो. तसेच आमच्या महाविद्यालयामधील स्थापत्य विभागामधील विद्यार्थी व संबंधित प्राध्यापक यांना संशोधन करण्याकरिता अंबवडे ता - खटाव ग्रामपंचायतीमध्ये संदर्भांकित पत्रास अनुसरून, जिल्ह्यात एक पतदर्शी (Pilot Project) प्रकल्प म्हणून बांधकाम विभाग जिल्हा परिषद सातारा यांचे समवेत काम करणेची संधी द्यावी.

याठिकाणी आणखी एक बाब नमूद करण्यात येते की सदर कामाप्रमाणेच जिल्हा वार्षिक योजनेमधून विविध विभागांना मंजूर होणाऱ्या निधी मधून जिल्ह्यात उत्तम प्रतीचे कामे होऊ शकतील असा आम्हास विश्वास आहे.

तरी कृपया वरील सर्व बाबींचा विचार करून, सदरचा नाविन्यपूर्ण व पर्यावरण पूरक असा उपयुक्त प्रकल्पांसाठी, जिल्ह्यात एक पतदर्शी (Pilot Project) प्रकल्प म्हणून आमच्या महाविद्यालयास याची परवानगी द्यावी ही विनंती.

आपला विश्वासू,



प्राचार्य

कर्मवीर भाऊराव पाटील अभियांत्रिकी महाविद्यालय
सदरबझार सातारा-४१५००१

धन माहितीस्तव सविनय सादर

- 1) मा. मुख्य कार्यकारी, जिल्हा परिषद सातारा.
- 2) मा. जिल्हा नियोजन अधिकारी, जिल्हा नियोजन समिती, जिल्हाधिकारी कार्यालय, सातारा.
- 3) मा. उपअभियंता, जिल्हा परिषद बांधकाम उपविभाग सातारा/खटाव.

ग्रामपंचायत अंबवडे

ता. अंबवडे जि. सांगली

- सांडपाण्यासाठी परत शान फुलवणे.
- सीरचुल व बायोगॅसचा वापर करणे.
- हराडे खाऊ, झाडे घेऊन.
- ग्रामपालिकाचा वापर करणे.

- प्लॅस्टिक पिश्यांवर बंदी घालणे.
- घनकचऱ्याचे व्यवस्थापन करणे.
- ग्रामपंचायत काराची रक्कम सुवर्तीत भरून सहकार्य घेणे.



दि. 5/10/2015

प्रति

मा. ग्रामपंचायत,
शा. अंबवडे, महाविद्यालय, (अंबवडे) सांगली.

हेतू,

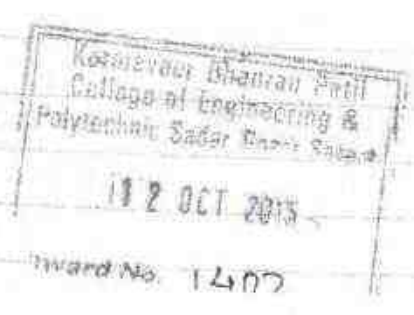
इपदोड रिफायरिंग कॅम्पेकाम केने को शांतच
 शा. अंबवडे महाविद्यालय सांगली रेलगाडी (अंबवडे)
 र 7.00 तक मरु शांतच शांतच. Eco Friendly
 सार रेलगाडी कात पर्यावरण सुाड 04 (अंबवडे)
 शा. अंबवडे महाविद्यालय प्लास्टिक (अंबवडे) का वापर
 करणे शांतच शांतच शांतच शांतच शांतच शांतच
 तरी शा. अंबवडे महाविद्यालय उपकरण (अंबवडे) शांतच शांतच
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शा. अंबवडे
 सरपंच
 ग्रामपंचायत अंबवडे
 ता. अंबवडे, जि. सांगली.

शा. अंबवडे काम शांतच
 शांतच शांतच शांतच शांतच शांतच शांतच

Handwritten signature and text.



22nd April 2016

Submitted

Subject: Coordinators report on Research Project "Construction of Plastic Road in Ambavde, Khatav"

Sir,

As per the requirements of Grampanchayat Ambavde from Taluka Khatav, our Institute has constructed a Plastic Road in Collaboration with Zilla Parishad, Satara. It was a pilot project and following students from final year have worked for the same.

- 1) Ajay Jadhav
- 2) Rajat Shinde
- 3) Utkarsha Jadhav
- 4) Sayali Sadawarte
- 5) Nikhil Shinde
- 6) Himanshu Chavan

Mayur Industries from M.I.D.C., Satara have given us the sponsorship in terms of material (recycled, shredded plastic) costing Rs. 12,000/-. It is the first road of its kind in Satara District. We have received appreciation from the villagers and the society for the first step towards innovative use of waste plastic in our area.

This is for your information and further procedure.



Prof Anand Tapase

Coordinator

Karmaveer Bhaurao Patil College of Engineering Satara
Department of Mechanical Engineering
Program Coordinator's Activity Report

Title of the program- Workshop on Rally Car Design Competition

No. of days & Date- One Month, 20 Dec. 2017- 19 Jan. 2018

Name of program coordinator/s- Prof. D. A. Ghatge

Designation & department- Assistant Professor, Mechanical Engineering

Type of Activity/Program- Student

Beneficiary participants- UG students

Total no. of participants- 20

Resource person details- Mr. Subham S. Kamat ,B.D.A , AMZ Automotive, Jaipur.
Mr. Rahul Ranjan AMZ Automotive, Jaipur

Funding Agency: Cooper Corporation Pvt. Ltd. Satara


Signature of coordinator




Signature of HOD
H.O.D.
Mechanical Engineering Department
K.B.P. College of Engineering, Satara

Rayat Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE OF ENGINEERING, SATARA
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 12 Dec. 2017


NOTICE

Subject: Regarding the Workshop on Rally Car Design Competition

Department is organizing **Workshop on Rally Car Design Competition** on 20th Dec. 2017 to 19th Jan. 2018. The Workshop is organized from **Mechanical Department** will contain training sessions related to Design of Rally Car. Interested Students should register their names for RCDC to workshop coordinator


D.A. Ghate




HOD
Mechanical Engineering
H.O.D.
Mechanical Engineering Department
K.B.P. College of Engineering, Satara



Rayat Shikshan Sanstha's
**KARMAVEER BHURAO PATIL COLLEGE OF
 ENGINEERING, SATARA**



**Organizes One Month workshop on
 "Rally Car Design Competition"**

Date: 20th Dec. 2017 to 19th Jan. 2018

Schedule

DAY & DATE	SESSION	TIME	Content To be Cover
20 th Dec. 2017 to 19 th Jan. 2018	SESSION I	07.30 AM TO 09.00 AM	Introduction to Basics of Related design Concepts
	SESSION II	6.00 PM TO 07.00 PM	Design and Calculations related to Drawing and Practical Sessions

H.O.D.

Mechanical Engineering Department
 K.B.P. College of Engineering, Satara

Workshop Coordinator



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Rayat Shikshan Sanstha's

**Karmaveer Bhaurao Patil College of Engineering,
Satara**

Sadarbazar, Near RTO Office, Satara, Maharashtra State (INDIA) Pin – 415 001

Founder: Padmabhushan Dr. Karmaveer Bhaurao Patil (D.Litt.)

[Approved by AICTE, New Delhi, DTE Maharashtra State – Affiliated Dr.
Babasaheb Ambedkar Technological University, Lonere]



Website: www.kbpcoes.edu.in

Tele Fax – 02162-235767

E-Mail: office@kbpcoes.edu.in

Phone: +91 2162 230636/235767/233005

EN-6270

Ref No: KBPCOES/MECH/2017-18

To,

Mr. Subham S Kamat

B.D.A, AMZ Automotive,

Jaipur.

Sub: Invitation for "Workshop on Rally Car Design Competition"

Dear Sir,

Rayat Shikshan Sanstha is one of the leading educational institutions in Asia. Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara is established in 1983. It is Located in the heart of the Satara City. Our institute has created its unique identity by way of imparting multiple opportunities to students for acquiring quality education and making all round development of their inner traits. The institute is approved by AICTE, New Delhi, recognized by Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. The institute, at present offers two post-graduate programs and five undergraduate programs.

It is indeed my pleasure invite Mr. Subham S. Kamat for the workshop on "Workshop on Rally Car Design Competition" which is being organized on 20th Dec. 2017 to 19th Jan. 2018. In continuation of this I will be glad, if he kindly gives his consent for the invitation for delivering his views. Awaiting your response, with kind regards,

Thanking you.

Yours Sincerely




Lic Principal

Karmaveer Bhaurao Patil College of Engineering

Satara

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Rayat Shikshan Sanstha's

**Karmaveer Bhaurao Patil College of Engineering,
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Phone: +912162 230636/235767/233005

EN-6270

Ref.No: KBPCOES/MECH/2017-18

To,

Mr. Subham S Kamat

B.D.A , AMZ Automotive,
Jaipur.

Subject: Letter of Thanks :

Dear Sir,

Mechanical Engineering Department of Karmaveer Bhaurao Patil College of Engineering, Satara, organized workshop on "Workshop on Rally Car Design Competition" on 20th Dec. 2017 to 19th Jan. 2018 for our Mechanical Students. In spite of busy schedule, you accepted our invitation to work as a resource person for this workshop and conducted the session highlighting the important aspects of Design of car. Your discussion with students has helped to widen their practical outlook. We highly appreciate your contribution and request you to keep on helping us for benefit of budding engineers.

Thanking you.

Yours Sincerely



Karmaveer Bhaurao Patil College of Engineering
Satara

Feedback Form

Title: Workshop on RCDC

Date: 20 Dec. 2017 - 19 Jan 2018

Please fill the short questionnaires to make the program better

Respond below with 1,2,3,4 and 5 where 1 to 5 are rated as under

5. Excellent 4. Very Good 3. Good 2. Satisfactory 1. Poor

Where objectives of the course clear to you? Yes / No

1. The program contents met with your expectations?
2. The Lecture sequence was well planned?
3. The contents were illustrated with examples
4. The level of program was
5. The program contents compared with your expectations
6. The program exposed you to new knowledge and practical's
7. The teaching aids were effectively used
8. The course material handed out was adequate
9. Will you recommended this program to your friends/ colleagues
10. The Instructor encouraged interaction and were helpful

P.R.Y.

Name of Student

Pooja R. Yadav.



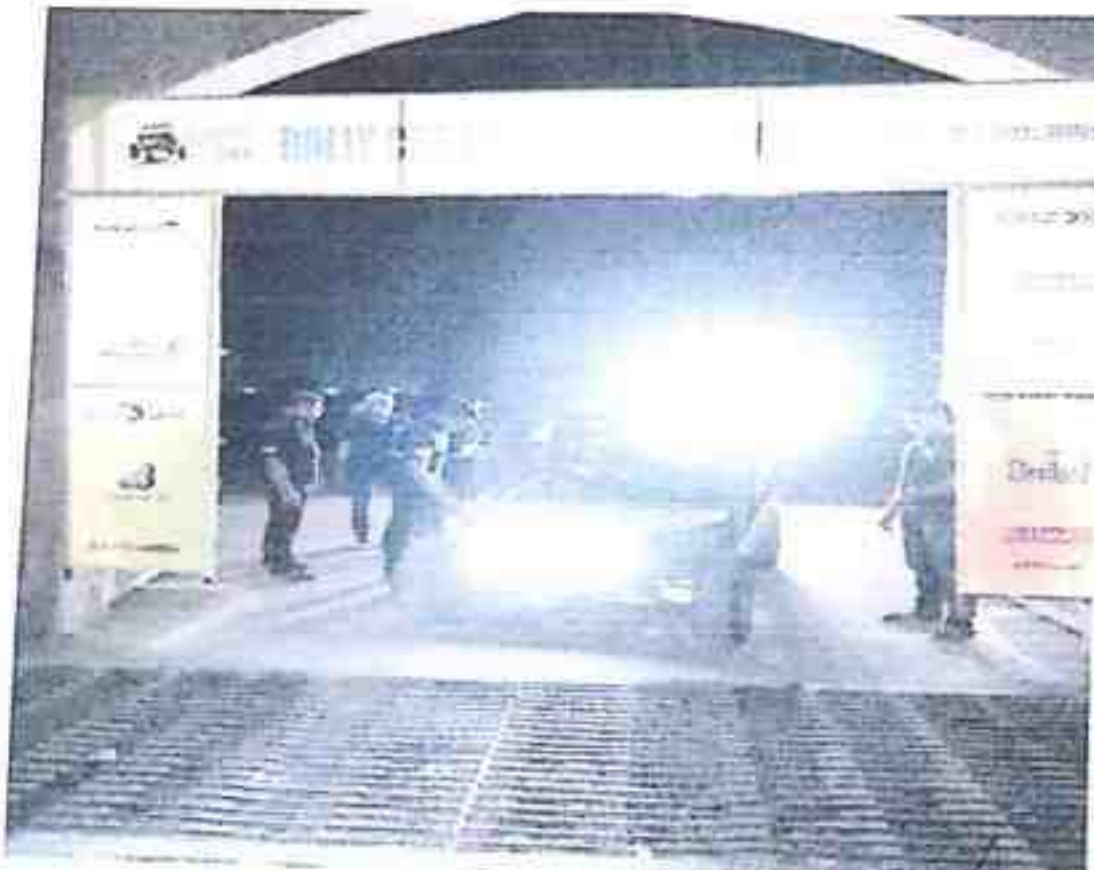

H.O.D.

Thank You

Mechanical Engineering Department
K.B.P. College of Engineering, Salara



Students during Workshop Session



RCDC Competition



H.O.D.
Mechanical Engineering Department
KCBP College of Engineering, Sion, Mumbai



Team members of RCDC with Car



RCDC Team (Prize Distribution)



[Signature]
H.O.D.

Mechanical Engineering Department
K.B.P. College of Engineering, Satara



POLARIS
RALLY CAR DESIGN CHALLENGE
2018

CERTIFICATE OF PARTICIPATION



This is to certify that
Asif Mustafa Dange
representing **THE WOLFPACK** of
KARMAVEER BHAURAO PATIL
has participated in Rally Car Design Challenge 2018
held on 23rd, 24th & 25th of february
at Thar Desert, Bikaner.

Arvind Balan
Race Steward



Sangram Singh
Conveyor

H.O.D.
Mechanical Engineering Department
K.B.P. College of Engineering, Satara





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Rajawade Shikshan Sanstha's

Estd -1983

Karmaveer Bhaurao Patil College of Engineering, Satara.

Sadar Bazar, Near RTO Office, Satara, Maharashtra State (INDIA) Pin - 415 001.

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil (D.Litt.)

[Approved by AICTE, New Delhi, DTE, Maharashtra State - Affiliated to Shivaji University, Kolhapur]

website: www.kbpcoes.edu.in

Tele. Fax : 02162-235767

Dr. Vikram Patil

Principal

EN 6270

E-Mail : office@kbpcoes.edu.in

Phone : +91 2162 230636 / 235767 / 233005

Ref. No. _____

DATE : 30/1/2017

Date: 30/1/2017

To Whom so it May Concern:

Sub: Smart India Hackathon 2017 – Nomination

I am pleased to nominate below teams from our college to participate in Smart India Hackathon 2017. AICTE Application No /UGC Registration No is 1-3122372073

Team 1 : Progworms		Problem Category : Indian Council of Medical Research (ICMR)	
	Name	Gender (M/F)	Email ID
Team Leader	Udhanu Piyal Omprakash	F	piyaludhani26@gmail.com
Team Member 1	Jagtap Samruddhi Kishor	F	samrudhi.jagtap08@gmail.com
Team Member 2	Khan Jasmin Rafik	F	jasminkhan2983@gmail.com
Team Member 3	Shinde Samiksha Sharad	F	samikshas16297@gmail.com
Team Member 4	Dixit Kajal Shivaji	F	kajaldixit97@gmail.com
Team Member 5	Desai Shweta Mahindra	F	shweta97desai@gmail.com

Team 2 : Creative Crew		Problem Category : Department of Policy and Promotion, Ministry of Commerce and Industry	
	Name	Gender (M/F)	Email ID
Team Leader	Raut Sayali Shankar	F	rautsiyali054@gmail.com
Team Member 1	Arve Sayali Kiran	F	sayaliarve24@gmail.com
Team Member 2	Bhugbal Prajakta Pratap	F	prajakta.bhugbal1001@gmail.com
Team Member 3	Garde Neha Vijay	F	nehagarde@gmail.com
Team Member 4	Ghadage Rohini Rajendra	F	rohini.ghadage@gmail.com
Team Member 5	Gurav Maheshwar	F	Maheshwari.gurav19@gmail.com





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Rajay Shikshan Sanstha's

Estd >1983

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website : www.kbpcoes.edu.in

Tele Fax - 02162-235767

Dr. Vikram Patil

Principal

EN 6270

E-Mail : office@kbpcoes.edu.in

Phone : +91 2162 230636 / 235767 / 233005

Ref. No. :

DATE : 9/ 1 /2017

Team 3 : Sparkler

Problem Category : Rural Development

	Name	Gender (M/F)	Email ID
Team Leader	Kenjale Kanchan B.	F	kanchankenjale6@gmail.com
Team Member 1	Jadhav hemant	M	hemjad97@gmail.com
Team Member 2	Pawar Suraj	M	Surajpawar515.spa@gmail.com
Team Member 3	Teke Kalyani	F	kalyaniteke15@gmail.com
Team Member 4	Zanjurne Madhuri	F	zanjurnemadhuri16@gmail.com
Team Member 5	Ghadage Aniket	M	aniketghadage@gmail.com

Team 4 : Tech Ninja

Problem Category : NCFPR

	Name	Gender (M/F)	Email ID
Team Leader	Pisal Neha R.	F	neharpisal@gmail.com
Team Member 1	Gore Mayuri	F	goremayuri6@gmail.com
Team Member 2	Joshi Shreya	F	jshreya1311@gmail.com
Team Member 3	Kambale Snehal	F	snehalikambale907@gmail.com
Team Member 4	Wagh Dipika	F	deepikawagh19@gmail.com
Team Member 5	Sapkal Chitra C.	F	chitrasapkal112@gmail.com

Team 5 : Foodies

Problem Category : Ministry of food processing

	Name	Gender (M/F)	Email ID
Team Leader	Nadaf Azima	F	azimamadaf27@gmail.com
Team Member 1	Jaykar Priyanka	F	priyankajaykar1@gmail.com
Team Member 2	Imbade Supriya	F	supriyaimbade123@gmail.com
Team Member 3	Sabile Akshay	M	akshaysabile@gmail.com
Team Member 4	Sutar Vilas	M	sutarsvilas03@gmail.com
Team Member 5	Jadhav Suniti	M	jadhavsuniti@gmail.com





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Estd - 1983

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website www.kbpcoe.edu.in

Tele Fax - 02162-235767

Dr. Vikram Patil
Principal

EN 6270

E-Mail: office@kbpcoe.edu.in

Phone : +91 2162-230636 / 235767 / 233005

Ref No. :

DATE: 30/1/2017

Team 6: Geeks

Problem Category : Ministry of Road
Transport and Highway

	Name	Gender (M/F)	Email ID
Team Leader	Uthale Akshay	M	akshayutale7@gmail.com
Team Member 1	Dhere Dipak	M	dipakdhere18@gmail.com
Team Member 2	Jagtap Nidhi	F	nidhijagtap3@gmail.com
Team Member 3	Nalawade Kritika	F	nalawadekritika39@gmail.com
Team Member 4	Patankar Srushti	F	srushtipatankar59@gmail.com
Team Member 5	Doshi Ashwin	M	Ashwin.doshi@gmail.com

Your Sincerely,

Dr. Vikram Patil

The Principal



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering Satara
Department of Mechanical Engineering
Program Coordinator's Activity Report

Title of the program- Workshop on GO KART Design & Assembly

No. of days & Date- One Week , 07th Sept. to 14th Sept. 2017

Name of program coordinator/s- Prof. D. A. Ghatge

Designation & department- Assistant Professor, Mechanical Engineering

Type of Activity/Program- Student

Beneficiary participants- UG students (S.E. + T. E. +B.E.)

Total no. of participants-28

Resource person details-

Mr. Subham S Kamat
B.D.A , AMZ Automotive,
Jaipur.

Funding Agency: Self Sponsored



Signature of coordinator



Signature of HOD
H.O.D.

Mechanical Engineering Department
K.B.P. College of Engineering, Satara

Rayat Shikshan Sanstha's
KARMAVEER BHAIURAO PATHI COLLEGE OF ENGINEERING, SATARA
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 2nd Sept. 2017

NOTICE

Subject: Regarding the Workshop on Go Kart Design & Assembly

Department is organizing **Workshop on Go Kart Design & Assembly** on 07th Sept. to 14th Sept. 2017. The Programme is organized from **Mechanical Department** will contain training sessions related to Design & Assembly. Interested Students should register their names for Go kart to workshop coordinator



A handwritten signature in black ink, appearing to be 'HOD', written over a circular stamp.

Mechanical Engineering
H.O.D.
Mechanical Engineering Department
K.B.P. College of Engineering, Satara



Rayat Shikshan Sanstha's
**KARMAVEER BHAURAO PATIL COLLEGE OF
ENGINEERING, SATARA**



Organizes One day workshop on
"Go Kart Design & Assembly"

Date: 07th Sept. to 14th Sept. 2017

Schedule

DAY & DATE	SESSION	TIME	Content To be Cover
07 th Sept. to 14 th Sept. 2017	SESSION I	10.30 AM TO 12.30 NOON	Introduction to Basics of Related design
	12.30 PM TO 1.30 PM (LUNCH BREAK)		
	SESSION II	1.30 PM TO 3.30 PM	Design and Calculations related to Drawing
	3.00 PM TO 3.15 PM (TEA BREAK)		
	SESSION III	4.30 PM TO 5.30 PM	Practical's in Workshop



[Signature]
H.O.D.

Mechanical Engineering Department
K.B.P. College of Engineering, Satara

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Rayat Shikshan Sanstha's

**Karmaveer Bhaurao Patil College of Engineering,
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E-Mail: office@kbpcoes.edu.in

Phone: +912162 230636/235767/233005

EN-6270

Ref.No: KBPCOES/MECH/2017-18



To,

Mr. Subham S Kamat

B.D.A., AMZ Automotive,

Jaipur.

Sub: Invitation for "GO KART Design & Assembly"

Dear Sir,

Rayat Shikshan Sanstha is one of the leading educational institutions in Asia. Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara is established in 1983. It is Located in the heart of the Satara City. Our institute has created its unique identity by way of imparting multiple opportunities to students for acquiring quality education and making all round development of their inner traits. The institute is approved by AICTE, New Delhi, recognized by Govt. of Maharashtra and affiliated to Shivaji University, Kolhapur. The institute, at present offers two post-graduate programs and five undergraduate programs.

It is indeed my pleasure invite Mr. Subham. S Kamat for the workshop on "Go-KART Design" which is being organized on 7th Sept. 2017 to 14th Sept. 2017. In continuation of this I will be glad, if he kindly gives his consent for the invitation for delivering his views.

Awaiting your response, with kind regards,

Thanking you.



Yours Sincerely

I/C Principal

Karmaveer Bhaurao Patil College of Engineering

Satara



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Rayat Shikshan Sanstha's

Karmaveer Bhaurao Patil College of Engineering, Satara

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[Approved by AICTE, New Delhi, DTE Maharashtra State – Affiliated Dr.
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Phone: +912162 230636/235767/233005

EN-6270

Ref.No. KBPCOES/MECH/2017-18

To,

Mr. Subham S Kamal

B.D.A., AMZ Automotive,

Jaipur.

Subject: Letter of Thanks

Dear Sir,

Mechanical Engineering Department of Karmaveer Bhaurao Patil College of Engineering, Satara, organized workshop on "GO KART Design & Assembly" on 7th Sept. 2017 to 14th Sept. 2017 for our Mechanical Students. In spite of busy schedule, you accepted our invitation to work as a resource person for this workshop and conducted the session highlighting the important aspects of Go-KART. Your discussion with students has helped to widen their practical outlook. We highly appreciate your contribution and request you to keep on helping us for benefit of budding engineers.

Thanking you



Yours Sincerely


Principal

Karmaveer Bhaurao Patil College of Engineering
Satara

Feedback Form

Title: Go KART Workshop

Date: 7/9/17 - 14/9/17

Please fill the short questionnaires to make the program better

Respond below with 1,2,3,4 and 5 where 1 to 5 are rated as under

5. Excellent 4. Very Good 3. Good 2. Satisfactory 1. Poor

Where objectives of the course clear to you? Yes / No

1. The program contents met with your expectations?
2. The Lecture sequence was well planned?
3. The contents were illustrated with examples
4. The level of program was
5. The program contents compared with your expectations
6. The program exposed you to new knowledge and practical's
7. The teaching aids were effectively used
8. The course material handed out was adequate
9. Will you recommended this program to your friends/ colleagues
10. The Instructor encouraged interaction and were helpful

Ans
Asif Dange
Name of Student



Jan
H.O.D.

Mechanical Engineering Department
K.B.P. College of Engineering, Satara

Thank You

Feedback Form -

Title: Go KART Workshop

Date: 7th Sept. 2017 + 14th Sept 2017

Please fill the short questionnaires to make the program better

Respond below with 1,2,3,4 and 5 where 1 to 5 are rated as under

5. Excellent 4. Very Good 3. Good 2. Satisfactory 1. Poor

Where objectives of the course clear to you?

Yes / No

1. The program contents met with your expectations? 4
2. The Lecture sequence was well planned? 4
3. The contents were illustrated with examples 4
4. The level of program was 3
5. The program contents compared with your expectations 3
6. The program exposed you to new knowledge and practical's 4
7. The teaching aids were effectively used 4
8. The course material handed out was adequate 3
9. Will you recommended this program to your friends/ colleagues 3
10. The Instructor encouraged interaction and were helpful 3

Langade

Name of Student

[Langade Harshad]



[Signature]
H.O.D.

Mechanical Engineering Department
K.B.P. College of Engineering, Satara

Thank You

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering

Texas Instruments Innovation Challenge India Analog Design Contest 2014

Status	Team Members	Guide	Design Project Title
1st Runner Up	Amitkumar R. Pharande, Rohit P. Shinde, Suraj S. Shedage	Dr. Aldar D.S.	Hydraulic Robot Arm Controlled By Human Arm <u>Report:</u> https://e2e.ti.com/group/universityprogram/w/contests/2436.previous-winners <u>Video Demo:</u> https://www.youtube.com/watch?v=ndD7yWnCFul

Texas Instruments Innovation Challenge India Design Contest 2015

Status	Team Members	Guide	Design Project Title
Short Listed for final	Bhushan B. Date, Rohan S. Dingane, Pritam P. Kadam	Dr. Aldar D.S.	Persistence of Vision LED TV https://www.youtube.com/watch?v=MYmlm1dP5Lg https://www.youtube.com/watch?v=luuXiA7cvSg
Shortlisted for Quarter Final	Ahire Sadhana Tanaji Kadam Kirti Dilip	Prof. Mrs. Thorat R.A.	Eye and Gesture Controlled Electric Wheel Chair

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering

	Borate Snehal Bharat		
Shortlisted for Quarter Final	Priya Namdeo Sonmale Sonali Shivaji Shinde Sonali Vishwas Mohite	Prof. Mrs. Mane S.V.	Intelligent Robot for border Security in Defence
Shortlisted for Quarter Final	Shailaja Prakash Vedpathak Chetana Manojkumar Salunkhe Yashomati Diliprao Nalawade Sampada Sanjay Kulkarni	Dr. Godbole B.B.	Smart Ambulatory Blood pressure monitoring: Anovel Approach
Shortlisted for Quarter Final	GAIKAWAD PRAJAKTA M. SHINDE SWAPNALI S. BARGE SONALI L. JADHAV PRAJAKTA H.	Dr. Aldar D.S.	Intelligent Wireless Electricity Load management system
Shortlisted for Quarter Final	ASMITA B.SAKATE SNEHAL C.RAUT SAYALI P.PAWAR PRADNYA M.KULKARNI VARSHA V.MASKE	Dr. Aldar D.S.	Industrial Paper Cutting and Packing system

Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering

John Deere Techno Champ 2015

Status	Team Members	Guide	Design Project Title
Shortlisted for Quarter Final	Shubada Ghdage Vinaya Phdatore	Dr. Aldar D.S.	Remote Crop Monitoring and Intruder Detection
Shortlisted for Quarter Final	Ashwini Jadhav	Dr. Aldar D.S.	Seeder Blockage Detection

DST and Texas Instruments Inc. India Innovation Challenge Design Contest 2016

Status	Team Members	Guide	Design Project Title
Shortlisted for Quarter Final	Pisal Pooja Vasant Potekar Sonali Shivaji Rananaware Kalyani M.	Dr. Aldar D.S.	Navigation And Assistive System For Blind
Shortlisted for Quarter Final	Arade Susmita Subhash Kasurde Nita Sampat Bhilare Rutuja Mohan Kadam Rajashree Ankush	Dr. Aldar D.S.	IOT Based Remote Patient Monitoring And Diagnosis
Shortlisted for Quarter Final	Shradha Sanjay Mohite Sharayu Sanjay Nikam Ashwini Bhagwan Patil	Prof. Devi R.J.	Automatic Farm Watering System
Shortlisted for Quarter Final	Shedage Pranita Subhash Sarda Komal Kishor Shedge Swapnali Suryakant	Dr. Aldar D.S.	Grain Vending Machine

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering

DST and Texas Instruments Inc. India Innovation Challenge Design Contest 2017

Status	Team Members	Guide	Design Project Title
Shortlisted for Quarter Final	Swati Naykude Sonali Chavan Ashwini Ghorpade Ankita Ghorpade	Dr. Aldar D.S.	Smart Virtual Mirror
Shortlisted for Quarter Final	Sayali Bhorde Tejaswini Burungale Madhuri Bhosale Varsha Shinde	Dr. Aldar D.S.	Realtime Guidance System for Blind People

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering



Best Mentor Award in TI india Educacators Conference

Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil College of Engineering, Satara
Electronics Engineering



Best Project award in TI India Analog Design Contest



उद्योग आधार



Udyog Aadhaar



A

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	MH30A0011053		

Udyog Aadhaar Memorandum

- Aadhaar Number: 670766675503
- PAN Number: BPMPJ0384J
- Name of Entrepreneur: AKSHAY GAJANAN JADHAV
- Social Category of Entrepreneur: GENERAL
- Gender: Male
- Physically Handicapped: No
- Name of Enterprise: SPACE AUTOMATION
- Type of Organization: Proprietary
- Location of Plant Details

SN	Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
1	3 RD FLOOR	SAJ HIGHTS	RAVIWAR PETH	POWAI NAKA	SATARA	415002	MAHARASHTRA	SATARA

Official Address of Enterprise

PLOT NO 15 SAGAR SOCIETY OLD MIDC KODOLI SATARA

- District: SATARA State: MAHARASHTRA PIN: 415004
Mobile No: 8796618699 Email: akshay290396@gmail.com

- Date of commencement: 19/12/2017

- Previous Registration details-if any: ::

- Bank Details: IFS Code: SBIN0004174
Bank Account: 33181319649

- Major Activity: MANUFACTURING

SN	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit Code	Activity Type
16.1	26 - Manufacture of computer, electronic and optical products	2640 - Manufacture of consumer electronics	26409 - Manufacture of other electronic consumer goods n.e.c. (this includes non- television video camera)	Manufacturing

- Persons employed: 2
- Investment (Plant & Machinery / Equipment's): 2(Rs. In Lakhs)
- District Industry Centre: SATARA

Declaration

I hereby declare that information given above is true to the best of my knowledge. Any information, that may be required to be verified, shall be provided immediately before the concerned authority.

MyMsme Mobile App (Beta Version) is available now for download. <https://play.google.com/store/apps/details?id=msme.mysmsme>



[Click here for Udyog Aadhaar Registration Certificate](#)

BEST PRACTICE II

Title of the Practice: Book Bank Scheme for all students

Objectives of the practice

1. To make the students resourceful in terms of textbooks and reference books.
2. To make education affordable

The Context

The normal practice regarding the issue of books to the students in educational institutes to issue no of borrowers cards to individual students. Students borrow a book by depositing borrower's card for a stipulated time period, after which he or she has to return the book. If the student has to retain the book he or she has to again go through the same process by approaching the library, thus a student cannot retain books throughout the semester. This limits the availability of the book when required to a student and the student is required to purchase it, adding a financial burden. Considering the cost of the books needed by the student throughout the semester, this becomes a hindrance for economically poor students.

Karmaveer Bhaurao Patil College of Engineering since 1990-91 is handling this issue very efficiently and effectively by implementing a book bank scheme. The scheme allows the student to keep at least one book of every course throughout the semester and makes the student resourceful without having a financial burden. A social welfare scheme by Government makes the facility of book bank available to certain reserved category students. Karmaveer Bhaurao Patil College of Engineering, however, offers the facility to each and every student of the institute.

The Practice

Every student is offered a maximum of seven books (normally student studies 5 theory courses in every semester). The student may opt for getting up to 7 books on the scheduled date. Normally, textbooks prescribed in the syllabus are issued under a book bank scheme. Student if prefers to get books less than 7 while entering the scheme, he or she can add books up to 7 during the semester. By this way, all the students can maintain books with them for the whole semester.

Yearly maintenance of the books returned by the students at the end of the semester is carried out from the amount collected from the student as well as it helps to purchase new books to replace damaged books & to purchase new editions.

The schedule for every class and every department is displayed on the library notice board as well as on departmental notice board to give wide publicity. The care is taken to ensure minimum disturbance in the academic schedule of the class. Students return the books after completion of their end semester examination.

Based on earlier experience number of copies are added each year to ensure quantity supply of the books as per student's choice and requirements.

Students need to refer reference books also along with textbooks. Hence, the book bank scheme is also supported by issuing borrower's cards. Students can borrow a reference book by using borrower's cards and I-card by following the usual practice of issuing book by depositing borrower's card or I-card. This practice allows access to both the textbook as well as a reference book.

Evidence of Success

Karmaveer Bhaurao Patil College of Engineering is rich in library resources; having more than 40,000 books. On average, the library has 32 books per student. This makes it possible to successfully implement a book bank scheme. Every year students are getting benefited by the scheme. Success is evident from the data provided in the following table.

Total Circulation	Academic year	Academic year	Academic year	Academic year	Academic year
	2017-18	2016-17	2015-16	2014-15	2013-14
Total students availed the book bank facility (Semester I & II)	975	994	1124	1192	1234
Total students admitted	1250	1381	1478	1579	1689
% of the student's availing facility	78	72	76	75	73

The book bank scheme is matured over Time. The consistency in the percentage of the students getting benefitted from the scheme reflects evidence of the success of the practice of implementing book bank scheme for all the students studying in the institute.

Problems Encountered and resources required

- Sometimes books returned are in damaged condition; however, such cases are rare.
- Revision in university syllabus results in changes in the recommended of books for some courses; this makes some titles redundant and is unavoidable. The institute keeps on adding new titles and volumes of books as required, from the library budget.



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RAYAT SHIKAHAN SANSTHA'S
KARMAVEER BHAURAO PATIL
COLLEGE OF ENGINEERING AND POLYTECHNIC, SATARA.
BOOK-BANK FORM 2013 - 2014
SEMESTER I / II

To,
The Principal,
Karmveer Bhaurao Patil College of Engg. & Poly, Satara.

Sir,
I the undersigned Shri/ Miss. Kambate Vikram Sanjay
Class BE Branch CIV Library register No. 2014 request you to issue
the following books through the Book- Bank Scheme. I will use these books
carefully. I have read the Book-Bank rules and I abide by these rules. I will
not damage or deface page the books; if done, I will pay the double price of
the books.

I will return these books taken through Book-Bank immediately after
the annual / semester examination is over. Otherwise, I will pay fine or
double price of the books. If I have not returned books after completion of
the examination I agree to deduct the double cost of the books from my
Book-Bank deposit /caution money. My particulars are as under.

Permanent Address :- A/P Vyahale Colony,
Tal. Wai, Dist Satara.

Present Address :- _____

Sr. No.	Name of the Book	Author
1	Prestressed concrete	T.Y. Lin
2	Construction Planning	Jagman Singh.
3	Site investigation Practice	Jayce mp.
4	Bridge Engg.	Rindra.
5	Railway Engg.	Sevona
6	Town & country planning	N.K. Gandhi
7	Optimization Theory	S.P. Rao.
8		

70
135
85
245
325
170
1055

Student Signature Kambate Vikram Sanjay

For Office use only,
Total price of the Sanctioned books
Paid Rs. 1600 Vide receipt No. _____

Librarian,
K.B.P. College of Engg.
& polytechnic Satara.

BOOK- BANK NOTICE 2013-14 SEMESTER II

Date :- 7/1/2014

All the students of Degree are hereby informed that those who are interested to take books under Book-Bank Scheme, should remain present to get books under Book- Bank scheme as per following schedule. The Book-Bank forms should submit in the library on or before 13-1-2014.

All the scholarship holder students of SC & ST categories can get the books free of cost, should attach attested Xerox copies of their caste certificate and income certificate with Book-Bank form.

DATE	TIME	CLASS
15/1/2014	11.00 to 2.00	BE Civil
	3.00 to 6.00	BE Mechanical
16/1/2014	11.00 to 2.00	BE Production
	3.00 to 6.00	BE Computer
17/1/2014	11.00 to 2.00	BE Electronics
	3.00 to 6.00	TE Computer
18/1/2014	11.00 to 2.00	TE Production
	3.00 to 6.00	TE Mechanical
20/1/2014	11.00 to 2.00	TE Mechanical
	3.00 to 6.00	TE Civil
21/1/2014	11.00 to 2.00	TE Electronics
	3.00 to 6.00	SE Computer
2/1/2014	11.00 to 2.00	SE Electronics
	3.00 to 6.00	SE Mechanical
23/1/2014	11.00 to 2.00	SE Production
	3.00 to 6.00	SE Civil

[Signature]
Principal,

Karmaveer Bhaurao Patil College of
Engineering Polytechnic, Satara.

Copy to :- HOD's Degree (Civil, Prod., Mech., Elect., Comp., Gen.)

Note :- 1) Book- Bank forms are available in Xerox Centre.

2) Book- Bank Deposit receipt should be produced while taking the books.

3) Lib-notice Board

Library
of 49

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RAYAT SHIKAHAN SANSTHA'S
KARMAVEER BHAURAO PATIL
COLLEGE OF ENGINEERING AND POLYTECHNIC, SATARA.
BOOK-BANK FORM 2014 - 2015
SEMESTER I / II

To,
The Principal,
Karmveer Bhaurao Patil College of Engg. & Poly, Satara.

Sir,
I the undersigned Shri/ Miss. Manisha Ramchandra Shembade.
Class T.E. Branch Comp Library register No. 951/468 request you to issue
the following books through the Book- Bank Scheme. I will use these books
carefully. I have read the Book-Bank rules and I abide by these rules. I will
not damage or deface page the books; if done, I will pay the double price of
the books.

I will return these books taken through Book-Bank immediately after
the annual / semester examination is over. Otherwise, I will pay fine or
double price of the books. If I have not returned books after completion of
the examination I agree to deduct the double cost of the books from my
Book-Bank deposit /caution money. My particulars are as under.

Permanent Address :- Alp Rahimatpur, Tal Koregaon
Dist Satara
Present Address :- Alp Rahimatpur, Tal Koregaon
Dist Satara

Sr. No.	Name of the Book	Author
1	System Programming (2 nd edition)	D.M. Dhamdhere
2		
3	Operating System-1. (5 th edition)	Silberchatz Galvin (John Wiley)
4	Computer Algorithm (funda. of c.o.)	Satraj Sahani
5	NT (Intro. to wireless Telec. system & network)	Gary T. Mulet
6		
7	Prog Lang - III (Java & complete reference) 5 th edition	Herbert Schildt
8		

Student Signature Manisha Shembade

For Office use only,
Total price of the Sanctioned books
Paid Rs. 2951 Vide receipt No. _____

[Handwritten signature]

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Librarian,
K.B.P. College of Engg.
& polytechnic Satara.



SW - 16-17

RAYAT SHIKSHAN SANSTHAN
KARMAVEER BHAURAO PATIL
COLLEGE OF ENGINEERING, SATARA.
BOOK-BANK FORM Year- 2016 - 17
SEMESTER II

To,
The Principal,
Karmaveer Bhaurao Patil College of Engg. Satara.

Sir,

I the undersigned Shri/ Miss. Bodekar Megha Dilip
Class T.E Branch Electro Library register No. 5470 request you to issue
the following books through the Book- Bank Scheme. I will use these books
carefully. I have read the Book-Bank rules and I abide by these rules. I will
not damage or deface page of the books; if done, I will pay the double price
of the books.

I will return these books taken through Book-Bank immediately after
the annual / semester examination is over. Otherwise, I will pay fine or
double price of the books. If I have not returned books after completion of
the examination I agree to deduct the double cost of the books from my
Book-Bank deposit /caution money. My particulars are as under.

Permanent Address :- At Post Tadavale (Smt - Waghali)
Tal- Koregaon, Dist - Satara
Present Address :- At Post Tadavale (Smt - Waghali)
Tal- Koregaon, Dist - Satara

Sr. No.	Name of the Book	Author
1	Microcontroller	Mazdi
2	VLSI	Mazdi
3	Programming language - II	
4	Signal System	Ramesh babu
5	Electromagnetic Engg	William Hoyt
6		
7		
8		

Student's Signature M Bodekar

For Office use only:

Total price of the Sanctioned books
Paid Rs. free Vide receipt No. _____

Librarian,
K. J. Somaiya Institute of Engg.



SW - 16-17

RAYAT SHIKSHAN SANSTHA'S
KARMAVEER BHAURAO PATIL
COLLEGE OF ENGINEERING, SATARA.
BOOK-BANK FORM Year- 2016 - 17
SEMESTER II

To,
The Principal,
Karmaveer Bhaurao Patil College of Engg. Satara.

Sir,

I the undersigned Shri/ Miss. Bodekar Megha Dilip
Class T.E Branch Electro Library register No. 5470 request you to issue
the following books through the Book- Bank Scheme. I will use these books
carefully. I have read the Book-Bank rules and I abide by these rules. I will
not damage or deface page of the books; if done, I will pay the double price
of the books.

I will return these books taken through Book-Bank immediately after
the annual / semester examination is over. Otherwise, I will pay fine or
double price of the books. If I have not returned books after completion of
the examination I agree to deduct the double cost of the books from my
Book-Bank deposit / caution money. My particulars are as under.

Permanent Address :- At Post Tadavale (Smt - Waghali)
Tal - Koregaon, Dist - Satara
Present Address :- At Post Tadavale (Smt - Waghali)
Tal - Koregaon, Dist - Satara

Sr. No.	Name of the Book	Author
1	Microcontroller	Mazdi
2	VLSI	Mazdi
3	Programming language - II	
4	Signal System	Ramesh babu
5	Electromagnetic Engg	William Hoyt
6		
7		
8		

Student's Signature M Bodekar

For Office use only:

Total price of the Sanctioned books
Paid Rs. free Vide receipt No. _____

Librarian,
K. J. Somaiya Institute of Engg.

BOOK- BANK NOTICE 2017-18 SEMESTER - II

Date :- 28/12/2017

All the students are hereby informed that those who are interested to take books under Book-Bank Scheme, should remain present to get books under Book- Bank scheme as per following schedule. The Book-Bank forms should submit in the library on or before 1/1/2018.

All the students of SC & ST categories can get the books free of Cost, should attach attested Xerox copies of their caste certificate and Annual Income Certificate (Less than Rs.2,00,000) with Book-Bank form.

DATE	TIME	CLASS
02/01/2018	01.30 to 03.30	BE Civil
	04.00 to 06.00	BE Production
03/01/2018	01.30 to 03.30	BE Electronics
	04.00 to 06.00	BE Computer
04/01/2018	01.30 to 03.30	BE Mechanical
	04.00 to 06.00	TE Mechanical
05/01/2018	01.30 to 03.30	TE Computer
	04.00 to 06.00	TE Civil
08/01/2018	01.30 to 03.30	TE Production
	04.00 to 06.00	TE Electronics
09/01/2018	01.30 to 03.30	SE Electronics
	04.00 to 06.00	SE Civil
10/01/2018	01.30 to 03.30	SE Mechanical
	04.00 to 06.00	SE Production
11/01/2018	01.30 to 03.30	SE Computer
	04.00 to 06.00	FY B.Tech.Elect.
12/01/2018	01.30 to 03.30	FY B.Tech.Civil
	04.00 to 06.00	FY B.Tech.Comp.
13/01/2018	01.30 to 03.30	FY B.Tech.Mech.


K/C Principal

Karmaveer Bhaurao Patil
College of Engineering , Satara.

Copy to :- HOD's (Civil, Prod., Mech.,Elect.,Comp.,Gen., Office & Library Notice Board)

Note :- 1) Library Registration is Compulsory.

2) Book- Bank forms are available in Xerox Centre.

3) Book- Bank Deposit receipt, & I-Card should be produced while taking the books.

4) For more details please go through the notice board of Book Bank Scheme displayed in library.

Social Welfare ^{2013-14 - semester-I}

K.B.P. College of Engineering and Polytechnic, Satara (Library)

23/7/13

BOOK BANK

Page No. 365

Name Diphode Susata Dipip Class BE Elect

Lib.No. 5767 Address A.P. Umbras Tal - Karmel - Dist. Satara.
(Smt. Rohidas Nayer.)

Sr.No.	Acc.No.	Title	Author	Signature
1	1697	communication systems	P.P. Sinah	JDS
2	12435	ARM Systems Developers	Andrew N. Sloss	JDS
3	12598	Satellite communication	Pratt	JDS
4	8647	Power Electronics	P.C. Sen	JDS
5	8751	Power Electronics	Sinh	SDD
6				
7				
8				
9				
10				

Name Gaikwad Sandeep Arjun
Lib.No. 3614 Address A.P. Gorlegam - Tal - Hadgaon, Nanded

Sr.No.	Acc.No.	Title	Author	Signature
1	4449	power elect	sen	Gaikwad
2	12432	ARM System	sloss	Gaikwad
3	7644	Television	Dhake	Gaikwad
4				
5				
6				

Social Welfare 2014-15 Semester-I

K.B.P. College of Engineering and Polytechnic, Satara (Library)

BOOK BANK

Page No. 413

Name Trimbake Dhanashree Sunil Class B.E. (Elec)

Lib.No. Address 290, Malhar Peth, Satara

Sr.No.	Acc.No.	Title	Author	Signature
1	8313	Satellite Comm.	Pratt	D.S. Trimbake
2	863	Telev. and video engg.	Dhake	D.S. Trimbake
3	865E	Power Elec	Singh	D.S. Trimbake
4				
5				
6				
7				
8				
9				
10				
11				

Name Bhardwaj Puja Sheemant Class B.E. (Electronics)

Lib.No. 4844 Address At/post Khed (Nand.) Tal-Karigaom Dist. Satara

Sr.No.	Acc.No.	Title	Author	Signature
1	6276	monochrome colour tel	quarlow	D.S. Trimbake
2	1353	Gate write Comm	pratt	D.S. Trimbake
3	11607	ARM System	Stass	D.S. Trimbake
4				
5				
6			(18)	
7				
8				
9				

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BOOK BANK

Page No. 481

Name Saravane Tejas Dananjay Class BE Mech
 Lib.No. 4606 Address A/p Mhaswad Tal-man Dist - Satara

Sr.No.	Acc.No.	Title	Author	Signature
1	14566	Refrigeration and air conditioning	Khurmi	<u>[Signature]</u>
2	11691	Finite element methods	Dixit	<u>[Signature]</u>
3	13576	Automobile Engg. Vol. 1	Kirpal Singh	<u>[Signature]</u>
4	16823	Product design and development	Ulrich	<u>[Signature]</u>
5	84071	Mechanical system Design	Patil	<u>[Signature]</u>
6				
7				
8				
9				
10				
11				

~~Nilisha Anand~~

Name Palshikar Mayur Ashok Class BE. Mech
 Lib.No. 4477 Address Shivprasad Nivasi Shivaji colony Shirval, Tal - Khandala Dist. Satara.

Sr.No.	Acc.No.	Title	Author	Signature
1	9657	Refrigeration and air conditioning	Arora	<u>[Signature]</u>
2	11508	Mechanical system design	Patil R.B	<u>[Signature]</u>
3	16538	Automobile Engg. Vol. 1	Kirpal Singh	<u>[Signature]</u>
4	17047	Finite elements in Engg.	Chandragueta	<u>[Signature]</u>
5	14286	Product design & development	Ulrich	<u>[Signature]</u>
6				
7				
8				
9				
10				

2017-18 Sem. I

Karyat Shikshan Sanstha's

KARMAVEER BHAURAO PATIL COLLEGE OF ENGINEERING SATARA (Library)

BOOK BANK

561

715
11/8/15

Name Mule susmita Y Class: BE CIVIL

Lib. No. 552 Address 385, K. Skiram colony

Sr.No.	Acc. No.	Title	Author	Signature
1	84292	structural	Pa2	
2	81585	Const-planning	va2ma	
3	84293	Pest	Punmia	
4	13071	limit state	shah	
5	13868	Estimating	atta	
6				
7		<u>Nil</u>		
8				
9				
10				
11				
12				

Name Gangavane Archana uttam Class: BE CIVIL

Lib. No. 5417 Address 3, chaitanya Prasad colony, shakupur, Satara.

Sr.No.	Acc. No.	Title	Author	Signature
1	14623	Pest	Punmia	
2	10612	structural	Pa2	
3	13404	const planning	Pewitoy	
4	83910	Estimating	atta	
5				
6		<u>Nil</u>		
7				
8				
9				
10				