

LIST OF R & D AND CONSULTANCY PROJECTS
ALONG WITH APPROVALS AND PROJECT
COMPLETION REPORTS

2. LIST OF R & D PROJECTS

- g) APPROVAL AMOUNT
- h) DURATION
- i) PI & CO-PI
- j) AGENCY
- k) ONGOING/COMPLETED
 - IF COMPLETED , PROJECT COMPLETION REPORT
- l) OUTCOME OF PROJECT

Government Engineering College, Palanpur

Mechanical Engineering Department

List of R & D Projects

Sr. No.	Name of Project	Approval Amount	Duration	PI & Co-PI	Ongoing/ Completed	Outcome of Project
1	Swachh Bharat Abhiyan(S.B.A.) reverse vending Machine	85000	1 Year and 6 Months	Prof. A D Patel And Students (Prince Panchal Priyanshu Panchal)	Completed	Inculcate Attributes like Design and Development.
2	Performance Improvements and Investigation of Magnetic abrasive finishing process	51500	2 Year	Prof. A R Chaudhari and Students (Dhruv Darji)	Completed	Investigation. Analysis. Project finance and Management in students
3	Automated waste storage and transportation system for waste disposal	36500	2 Year	Prof. N A Patel and Students (Jay, Arth Panchal, Kamalkant Saini, Neel)	Completed	
4	Rough terrain robot using rocker bogie mechanism	17600	1 Year	Prof. P N Boka and Students (Rutul, Chirag, Vishal, Fenil)	Completed	



સરકારી ઈજનેરી કોલેજ પાલનપુર

Government of Gujarat

સરકારી ઈજનેરી કોલેજ પાલનપુર

જાગના પાલનપુર-અમદાવાદ હાઈવે, પાલનપુર-૩૮૫૦૧૧, ગુજરાત, ભારત

GOVERNMENT ENGINEERING COLLEGE PALANPUR

JAGANNA P. PALANPUR AHMEDABAD HIGHWAY, PALANPUR 385011, GUJARAT INDIA

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No.:GECPL/૨૦૨૦/૧૦૭

Date: ૨૪/૧૧/૨૦૨૦

Office Order

In continuation of Student Start-up and Innovation Policy, the institute invited applications from the students, seeking support under SSIP mandate and held proposal presentation event on 21st August 2020. In this event, experts from academia and industry are invited to scrutinize and evaluate the proposals received by institute.

Based on the evaluation done by experts, following projects have been selected to provide support under SSIP mandate.

Sr. No.	Title	Supervisor	Financial Support (Rs.)
1	Solar Panel Cleaning Module	Prof. M. K. Patel	100000.00
2	Student Attendance System	Prof. M. K. Patel	52000.00
3	Development of an Autonomous Seed Bombing Drone Mechanism	Prof. N. A. Patel	186500.00
4	Development of Double passed Solar Dryer Integrated with PCM bed for Cotton Seed Drying	Prof. V. D. Patel	122600.00
5	Swachh Bharat Abhiyan (S. B. A.) Reverse Vending Machine	Prof. A. D. Patel	85000.00
TOTAL			5,46,100.00
TOTAL IN WORDS: Five Lacs Forty Six Thousand One Hundred only			

- Under SSIP, student team will get financial support mentioned as above and incubation space as per the requirement and availability. From the sanctioned amount, up to 75% (Not exceeding Rs. 200000.00 per project) can be utilized for consumable Purchase/Procurement of raw material/minor works/professional services and



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સરકારી ઈજનેરી કોલેજ, પાલનપુર

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No.:GECPL/SSIP/ 1529

Date:03/10/2019

Reference: Minutes of meeting, Institute Level SSIP Committee meeting held on 23rd Sept. 2019

Office Order:

Institute level SSIP committee approved financial support to shortlisted PoC's vide Point No. (4) of above-mentioned reference. In this regard, PoC's with below mentioned details are sanctioned financial support mentioned in column-4. As recommended in above referenced minutes of meeting, it is hereby directed to disburse 25% of the sanctioned amount (as mentioned in column-5) in the bank account of mentor stated against each PoC as an advance for first phase.

Sr. No.	PoC Title	Mentor	Financial Support Approved	Financial Support to be Disbursed for Phase I (Rs.)
1	2	3	4	5
1	E-commerce website(www.tamaridukan.com)	Prof. M. K. Patel	48000	12000
2	Solar vehicle	Prof. H V Hirvaniya	180000	45000
3	Smart switch board	Prof. M. K. Patel	50000	12500
4	Smart e-mon plug	Prof. M. K. Patel	13500	3375
5	Travel time analysis on selected stretches on Palanpur city.	Prof. H. U. Patel	100000	25000
6	High strength self-compacting concrete using marble waste as coarse aggregates	Prof. Y. J. Chauhan	141500	35375
7	Fatigue analysis of post tensioned prestressed concrete bridge girder	Prof. Y. J. Chauhan	120000	30000
8	Net zero energy building	Prof. Dr. G. M. Savaliya	25000	6250
9	Performance Improvement and Investigation of Magnetic Abrasive finishing Process	Prof. A. R. Chaudhari	51500	12875
12	Automated waste strage and transportation system for waste disposal.	Prof. N. A. Patel	36500	9125
13	Rough terrain robot using rocker bogie mechanism.	Prof. P. N. Boka	17600	4400
14	Design and Module of Gas detector	Prof. J. V. Modi	27950	7000
15	Effective utilization of marble waste	Prof. J. V. Modi	100000	25000

Each mentor has to follow the SSIP guidelines for utilization of advance sanctioned and maintain relevant documents, bills vouchers of expenditure for further processing. The amount for next phase will be disbursed after submission of accounting details of advance and Project Progress Report.

(Shri N. A. Patel)
SSIP Coordinator

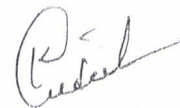
(Dr. K. B. Judal)
Chairman SSIP & Principal

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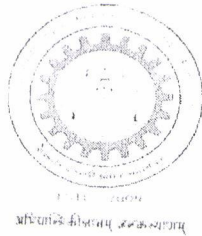
1. Account Section for necessary action
2. Mentors for information and necessary action
3. Innovators for further work (Through mentor)
4. Institute SSIP file



(Shri N. A. Patel)
SSIP Coordinator



(Dr. K. B. Judal)
Chairman SSIP & Principal



Government of Gujarat

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No.: GECPL/SSIP/ 791

Date: 13/08/2020

Reference: Presentation of Progress of PoC. Institute Level SSIP Committee meeting held on 05/08/2020

Office Order:

Institute level SSIP committee approved financial support of 2nd installment to shortlisted PoCs vide of above-mentioned reference. In this regard, PoCs with below mentioned details are sanctioned financial support mentioned in column-4. As recommended in above reference, it is hereby directed to disburse 2nd installment amount for PoCs (as mentioned in column-5) in the bank account of mentor stated against each PoCs an advance.

Sr. No.	PoC Title	Mentor	Financial Support Approved	Financial Support to be Disbursed for Phase II (Rs)
1	E-commerce website(www.tamaridukan.com)	Prof. M. K. Patel	48000	48000
2	Solar vehicle	Prof. H. V. Hirvanya	180000	180000
3	Smart switch board	Prof. M. K. Patel	50000	13500
4	Performance Improvement and Investigation of Magnetic Abrasive finishing Process	Prof. A. R. Chaudhari	51500	51507
5	Automated waste strage and transportation system for waste disposal.	Prof. N. A. Patel	36500	36533
6	Rough terrain robot using rocker bogie mechanism.	Prof. P. N. Boka	17600	17600
Total Amount				115420

Each mentor has to follow the SSIP guidelines for utilization of advance sanctioned and submit relevant documents, bills/vouchers of expenditure for further processing.

O/C

(Shri N. A. Patel)
SSIP Coordinator

(Dr. K. B. Judal)
Chairman SSIP & Principal

- Copy to:
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(Shri N. A. Patel)
SSIP Coordinator

(Dr. K. B. Judal)
Chairman SSIP & Principal