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Bharati Vidyapeeth

COLLEGE OF ARCHITECTURE

Affiliated to the University of Mumbai



Founder :
Dr. Patangrao Kadam
M.A., L.L.B., Ph.D.

Belpada Complex, Opp. Kharghar Rly. Station,
Sec.7, C. B. D. Belapur, Navi Mumbai- 400 614 - India

Principal
Prof. Satish Dhale
(G.D.DID, P.G.DID, IIA, M.Sc.ID, M.Arch)

Ref. No. : BV / COA / N.M. /

Date :

CRITERIA 3

RESEARCH, INNOVATIONS AND EXTENSION

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NAVI MUMBAI



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Key Indicator – 3.2:1
Innovation Ecosystem

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3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment Of IPR cell, Incubation center and other initiatives for the creation and Transfer of knowledge/technology and the outcomes of the same are Evident.

Table of Content:

Sr. No.	Contents (Documents)
1	Introduction
2	Registration of IIC
	Scanned copies of the documents attached for: <ul style="list-style-type: none">• Meeting notice• Screenshots from IIC portal
3	Incubation center inauguration
	Scanned copies of the documents attached for: <ul style="list-style-type: none">• Meeting notice• Photos of the center• Photos of 1 innovation in process

Description:

Incubators center is the institution that assists entrepreneurs in developing their business and solving problems associated with it, especially in the initial stages, by providing an array of business and technical services, lab facilities, advisory, network and linkages.

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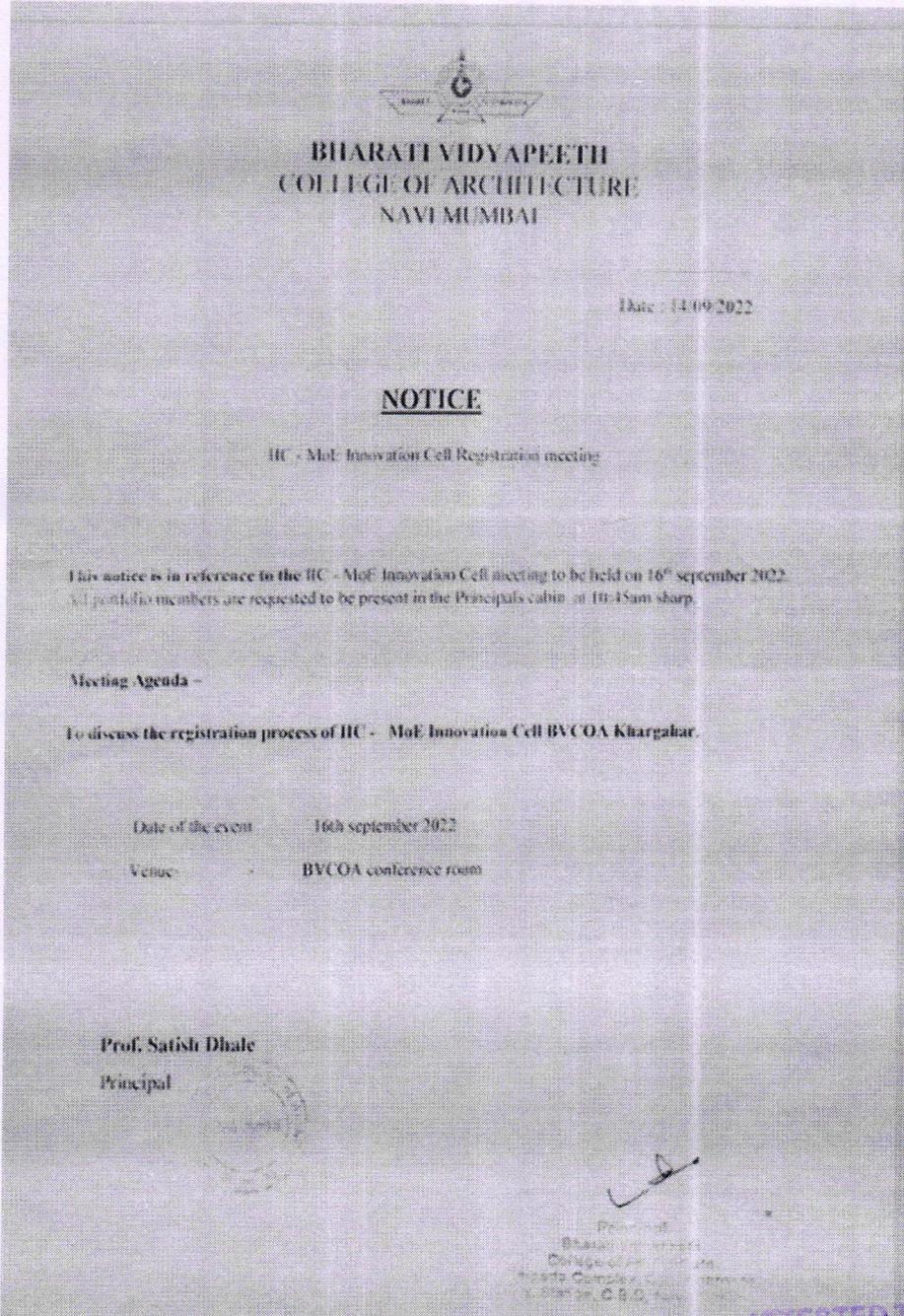
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Institution's Innovation Council
IIC REGISTRATION BY BVCOA KHARGHAR, NAVI MUMBAI



Council members

Roles	Name & Details	Department	Designation	Qualification	Experience in Years	Action
President	Prof. Satish Dhale principalbvcoanm@gmail.com 9819469673		Principal			
Vice President	Vaidya Kamakshi Nikhil kamakshi.vaidya@bharatividyaapeeth.edu 8826827416	Architecture	Professor	Post Graduate	25	
IPR Activity Coordinator	Deepak Tanaji Patil deepak.patil@bharatividyaapeeth.edu 9689395988	Architecture	Associate Professor	Bachelor	18	
Comptroller	Saharsha Ashok Naik saharsha.naik@bharatividyaapeeth.edu 985568026	Architecture	Assistant Professor	Post Graduate	9	
NIPF Coordinator	Nikhil Vijay Nadirke nikhil.nadirke@bharatividyaapeeth.edu 8876751638	Architecture	Assistant Professor	Post Graduate	4	

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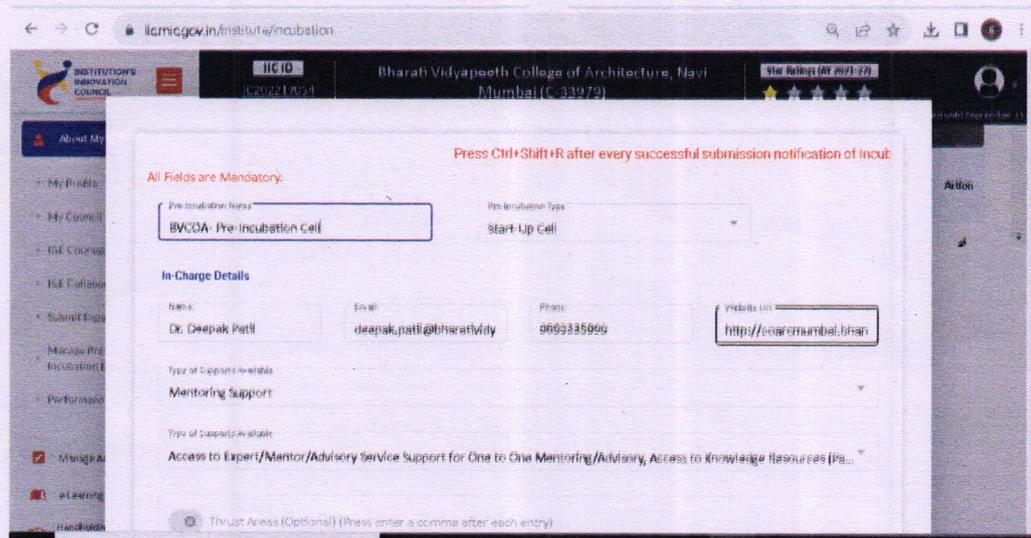
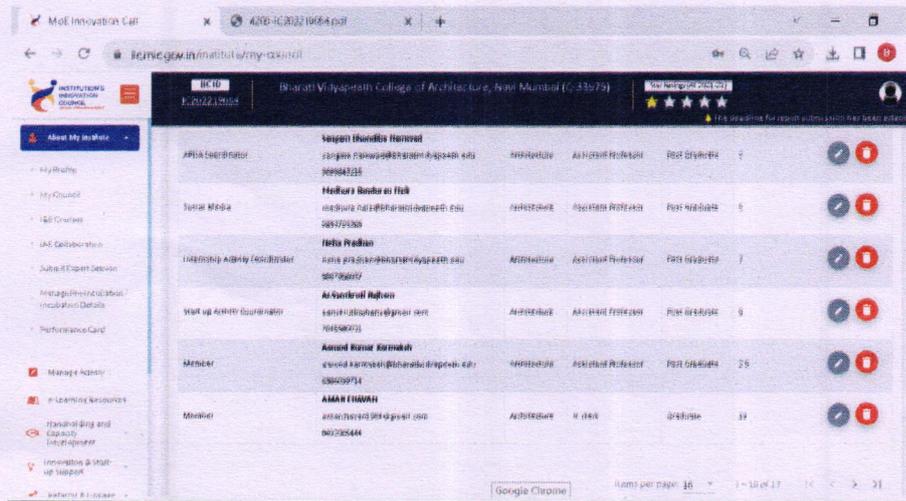
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Sr. No.	Title	Report
1	Building Institute Level YUKTI - National Innovation Repository (NIR)	Open
2	Out of the box thinking for problem solving	Open
3	Participation of IIC Institutions in IIC Regional Meets	Open
4	IIC Annual Report 2021-22	Open
5	Innovation & Entrepreneurship in HEIs for AzadiKaAmrit Mahotsav Celebrating 75 Years of Independence - Azadi Ka Amrit Mahotsav	Open

QUARTERLY PLAN FOR 2022-203 (QUARTER II)

- To educate and introduce all IIC-related activities in electives and college projects in academics.
- To inculcate a sense of innovation, startup, and entrepreneurship.
- To introduce inter and intra-college level IIC activities for social outreach.
- To collaborate with other institutes and IIC centers for the upgradation of MOUs.

Quarter II (June - 2022)			
Sr. No.	Activity	Mode	Days
1	Workshop on Design Thinking, Critical thinking and Innovation Design	Offline/Online	3
2	Organising Innovation & Entrepreneurship Outreach Program in Schools/Community	Offline	3
3	Organise an Expert talk on Process of Innovation/Development, Technology Readiness Level (TRL), Commercialisation of Lab Technologies & Tech-Transfer	Online/Offline	1
4	Workshop on Entrepreneurship Skill, Attitude and Behaviour Development	Online/Offline	2
5	Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit	Online/Offline	2
6	Field/Exposure Visit to Pre-incubation units such as Incubator, Fab lab, Makers Space, Design Centre, City MSME clusters, workshops etc.	Offline	3
7	Organise an inter/intra institutional Innovation Competition/Challenge/Hackathon and Reward Best Innovations - Manage through YUKTI-IRIS	Offline	4
8	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-IRIS	Offline/Online	4

Validation and Concept Development



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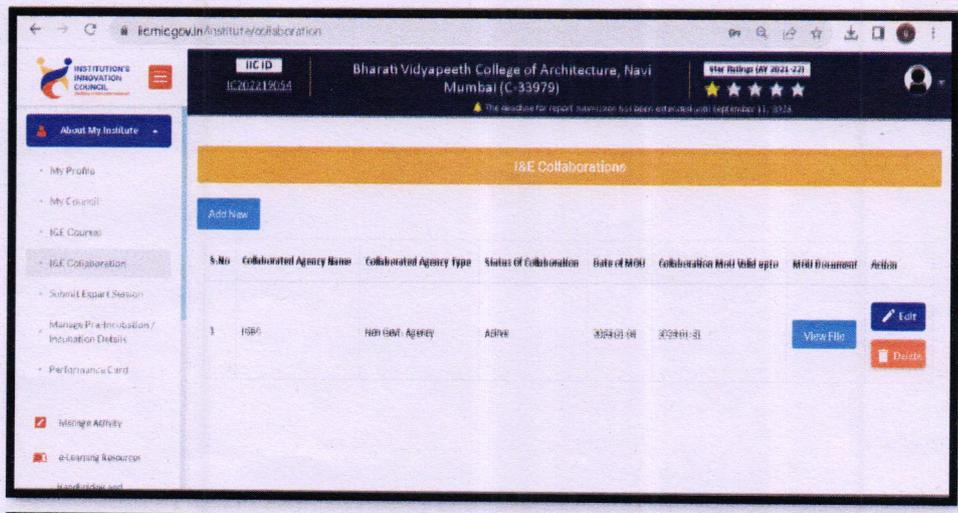
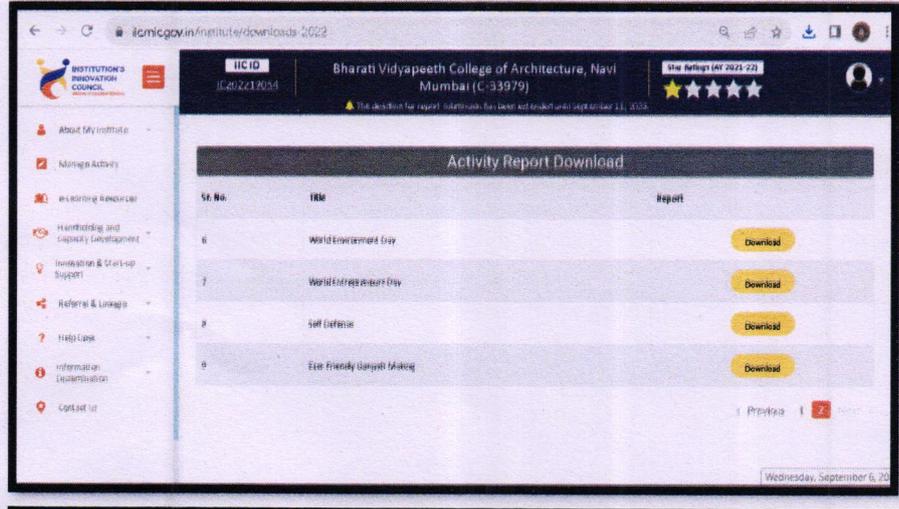
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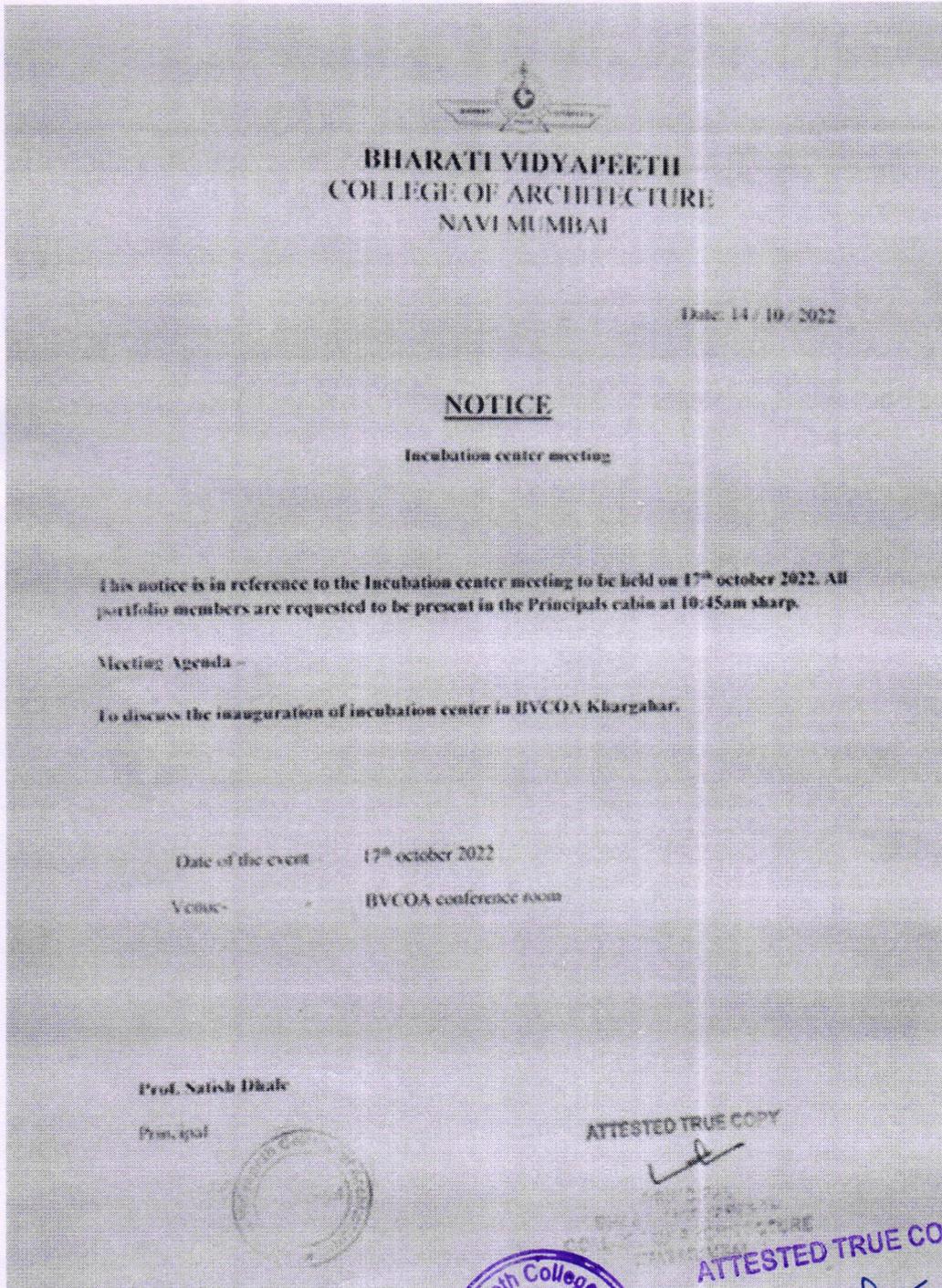
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Role	Name	Email	Contact	Organization	Member	Experience	Qualification	Download	Action
Members	Deepak Patangrao Patil	deepak.patil@bharativedyapeeth.edu	967938999	Bharati Vidyapeeth College of Architecture, Navi Mumbai	Patent expert	10	Doctorate	Download CV	
Members	Dipak Rajkar	rajkar_dipak@rediffmail.com	7021466190	Bharati Vidyapeeth's College of Engineering, Navi Mumbai	Incubation Centre	11	Post Graduate	Download CV	
Members	Santosh Satpathy	santosh@mercuryarchitects.co.in	9323130204	Mercury Architects	Expert from nearby industry/industry association/ Employer/ Enablers	9	Graduate	Download CV	
Members	Shekhar Bagat	shek7_2@gmail.com	9821063379	Space Planning and Architectural services	Expert from nearby industry/industry association/ Employer/ Enablers	28	Graduate	Download CV	

The institute has an incubation cell named as “BVCOA INCUBATION CENTER” with following Vision, Mission and Objectives: -

Vision

To foster a culture of innovation, problem solving and research for the betterment of the society and the nation.

Mission

To promote interest and research in path breaking tech driven ideas leading to entrepreneurship, while hand holding young start-ups and accelerating their growth through vital inputs, supportable mentorship and industrial connect.

Objectives

- Encourage students to develop innovative projects/products to become job givers instead of job seekers through facilitation in opening start-ups.

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- Take up development of industry sponsored projects.
- Encourage Faculty /students teams to conduct seminars/trainings on state of art technology platforms otherwise not covered in the syllabus.
- Collaborate with companies in future.
- Encourage amongst faculty/students Culture for project development.

MOU

In Process with of RAYAT SANSTA IN 2023 JULY



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Coordinators of Department

- Prof. Satish Dhale

INCUBATION CELL INAUGURATION



Post Incubation

Incubates may be offered shared space on a case-by-case basis and will also actively support incubates with a combination of inputs including-

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MENTORING

- (i) Academic Mentors
- (ii) Industry Mentors

NETWORKING

Engage with incubates as well as Alumni network to leverage collective knowledge :

- (ii) Planned events
- (iii) Introduction to Investors
- (iv) Training

YUKTI REGISTRATION BY BVCOA KHARGHAR, NAVI MUMBAI

YUKTI - National Innovation Challenge (NIC)

A 360 Degree Experiential Learning Journey from Idea Generation to Venture Creation through Intensive Trainings, Mentoring and Funding Supports from the MoE's Innovation Cell.

Campus to Commercialization

MoE's Innovation Cell

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YUKTI – National Innovation Repository

Title of the Project: Power generator cycle

Nowadays humans are surrounded with various technologies which make them inactive. Students do not use a cycle for travelling to the college or other places. Therefore, which students get affected on their health? On the other side, technology makes them use electric gadgets for their studies and entertainment which gets affected on their mental health. So, what if this technology will help them to solve their problems? What if we make them generate power which will be helpful for them.

1. Describe the solution/ proposed/ developed -

An innovative cycle can be the proposal as the solution. If we propose a cycle which can generate electricity, then it is useful for them in two ways. Firstly, cycling improves mental health and strengthens the immune system. Secondly, electricity will also help them to charge their electric gadgets with no cost.

2. Explain uniqueness and distinctive features of the product -

The cycle has been installed with a dynamo electric generator which is connected to battery. Pedaling a bike at a reasonable pace generates about 100 watts of power. That's the same energy-per-time used by a 100-watt light bulb. So, if you pedaled eight hours every day for 30 days (no weekends off), then doing the math, you'd generate 24 kilowatt-hours (kWh) of energy. The good part of it is that the battery and the switchboard are also installed on the cycle.

3. How you developed the solution is different from similar kind of product by the competitor

The cycle is not just for pedaling at one place but can be used for travelling as well. As it can be used for various activities such as, it can be used by students to charge their mobiles and laptops anytime. We can install this system into E-bikes which are designed for urban traffic conditions. The maximum cycle is used in the gym for exercise purposes. Therefore, this system can be a sustainable way of using electricity for gym equipment.

4. Patent?
5. Solution received any innovation grant
6. Recognition obtained by solution



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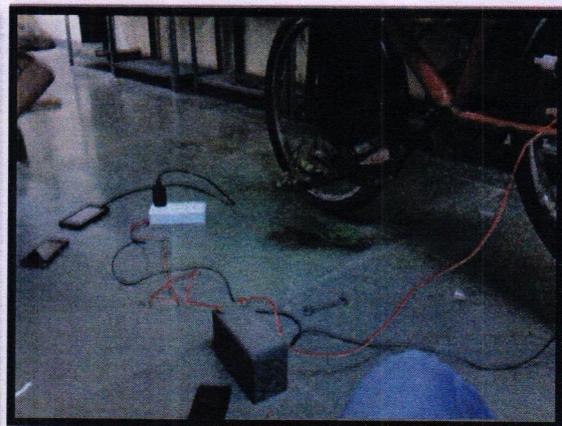
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7. Technological transfer pr enterprises
8. Photographs



cycle



Battery with a plug to generate electricity to be used for charging.



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