



**Mahatma Education Society's  
Pillai HOC College of Engineering and Technology, Rasayani**

**3.2.1 The institution has created an ecosystem for innovations and has initiatives for the creation and transfer of knowledge.**

PHCET is committed to nurturing an innovative mindset among faculty and students. The institute has a policy for research and development, and the same is included in the institute's faculty handbook. The institute has highly qualified faculty in various specializations of engineering and science.

The institute has an interdisciplinary research and innovation centre on campus. The details are available at <https://phcet.ac.in/research/research-development/>

Faculty members are motivated to apply for research grants from government and non-government bodies. Some faculty members received funding from the Department of Science and Technology. The institute is liberal enough to encourage by providing duty leave and travel grants for faculty to attend.

STTPs, conferences and workshops, organized in reputed institutes of India. Students and faculty are motivated, assisted and guided to apply for patent filing. Some patents are being granted and some are at the stage of product development. Students are encouraged to pursue and implement innovative ideas through mini and major projects, mentioned in the curriculum.

The Institute Innovation Council (IIC) cell of the Ministry of Education (Government of India) is being established in PHCET. Institutional Innovation Councils (IIC) is expected to play a critical role in driving the campus innovation and startup ecosystem at PHCET. The role of professors as members of the IIC is critical in this regard. They serve as a mentor or guide for young brains in their quest of innovation and entrepreneurship, and mentors must possess the necessary and appropriate mentoring abilities. The MHRD's Innovation Cell's Institutions Innovation Council aims to build mentorship capacity of IIC members through a series of training programs exclusively for faculty members, and the trained IIC members are designated as "IIC - Innovation Ambassadors". All the programs of IIC are effectively run by the institute. Faculty members have completed "Innovation Ambassador" advanced level training. These faculty members are implementing the objectives of Innovation Ambassador through various activities. In A.Y 2021-22, the institute is placed in the 150-300 NIRF innovation ranking of the Ministry of Education.



### Certificate of establishment of IIC cell, PHCET

List of Faculty members completed Innovation Brand ambassador at Foundation Level and Advance level training.



Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Dist. Raigad Via Panvel, Rasayani, Tal. Khalapur  
410207, MH, India  
Tel:02192-669000/01/02/03



#### List of Faculty completed IIC Innovation Ambassador training (Foundation Level)

SN.	Name of Faculty
1	Dr. Jagdish W. Bakal, Principal
2	Dr. M.D.Nadar
3	Dr. Gajendra V.Patil
4	Dr. Mansi Subhedar
5	Dr. G. R. Patil
6	Dr. Kartik Nagrajan
7	Dr. Divya Chiryel
8	Ms. Rohini Bhosale
9	Ms. Pranita Chavan
10	Dr. Sunita khansole
11	Dr. Shilpa Kewate
12	Ms. Sangeeta Rajgopal
13	Dr. B.K. Sarkar

#### List of Faculty completed IIC Innovation Ambassador training (Advance Level)

SN.	Name of Faculty
1	Dr. Jagdish W. Bakal, Principal
2	Dr. Gajendra V.Patil
3	Dr. Mansi Subhedar
4	Dr. G. R. Patil
5	Dr. Kartik Nagrajan
6	Dr. B.K. Sarkar
7	Dr. Sunita khansole



Sample Faculty certificate of Innovation Brand ambassador at Foundation Level training



Sample Faculty certificate of Innovation Brand ambassador at Advance Level training

✚ **List of activity Under IIC 21-22**

Number and Different types of I&E and IPR activities Conducted

**Quarter I**

SN.	Activity	Date	Social Media
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1	Materials camp of ASM	16/12/2021 to 18/12/2021	<a href="#">Link</a>
2	Prayog- Design Thinking	1/12/2022	<a href="#">Link</a>
3	Guest Lecture series on Research & Development in Engineering Materials	12/16/2021	<a href="#">Link</a>
4	Workshop of Drone Technology	12/19/2021	<a href="#">Link</a>

### Quarter II

SN.	Activity	Date	Social Media
1	Startup and Innovation Ecosystem Initiatives by MIC	Start up	<a href="#">Link</a>
2	Intellectual Property Rights (IPR) Awareness Program	IPR	<a href="#">Link</a>
3	Solution Challenge 2022	Design Thinking & Critical Thinking	<a href="#">Link</a>
3	International Students Olympiad in Hot Bulk Forging and Extrusion Technologies 2022	Design Thinking & Critical Thinking	<a href="#">Link</a>

### Quarter III

SN.	Activity	Date	Social Media
1	Two Days Educational Training Conference & Exhibition On "Challenges And Opportunities In Digital Direct Manufacturing : Additive Manufacturing / 3d Printing & Welding 4.0 "	29/4/2022-30/4/2022	<a href="#">Link</a>
2	One Week Short Term Training Program on "Insights of Data Science and Machine Learning with its Applications "	4/7/2022-9/7/2022	<a href="#">Link</a>
3	"Hands-on Training on Internet of Things (IOT) using Arduino: Tools and Techniques"	29/03/2022.	<a href="#">Link</a>

4	Webinar on “Wide Area Measurement System (WAMS) in Power Systems using PMUs “	16/10/2021	<a href="#">Link</a>
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#### Quarter IV

SN.	Activity	Date	Social Media
1	Awareness Program on BIS standard	04/08/2022	<a href="#">Link</a>
2	Workshop on Industrial PCB Prototyping	17/03/2022	<a href="#">Link</a>
3	Webinar on "Health assessment of existing nuclear fuel cycle facilities"	20-8-2022	<a href="#">Link</a>
4	Webinar on "Climate Change – A concern for Mumbai"	20-8-2022	<a href="#">Link</a>

- No. of student’s & faculty ideas generated: **15**
- No. of student’s & faculty Innovation/prototypes developed: **04**
- No. of IPs generated, published and granted: **15 (FER Generated)**
- No. of Student & Faculty Start-ups/Ventures established : **In Process**
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus: **1 Lakh**
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR : **4 Lakhs**

#### Selected best Innovations



**Selected start-ups established by students/faculties with Selected Startups founder/cofounder name:**

- **Gourav Sarkar**

Co-Founder and CEO | (M) +91 9987549293

- **Friction Innovative Education LLP**

217, Skylark, Sakal Bhavan Road, Sector 11, Opp. BP Marine Academy, CBD Belapur, Navi Mumbai 400614

**ASM Materials Camp – 2022:**

<https://phcet.ac.in/asm-materials-camp-drone-workshop-2022/>



- **Webinar on IPR**

MAHATMA EDUCATION SOCIETY'S  
**Pillai HOC College of Engineering & Technology, Rasayani**  
 ACCREDITED WITH 'A' GRADE BY NAAC IN FIRST CYCLE 2019  
 AND RE-ACCREDITED BY NBA FOR MECHANICAL AND COMPUTER ENGINEERING 2020

**IIC in association with IQAC, PHCET**



Presents a Webinar on

**Intellectual Property Management, Patents (IPRs) and the start-up**

On: Monday,  
**26th JULY, 2021**  
**SCHEDULE**  
 11:00 AM to 12:30 PM



Click the icon for Zoom Link

Free certificate to all participants

**Mr. Sumeet Sabale**  
 Director at Brainiac Global Consulting Pvt Ltd

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**Dr. Mansi Subhedar**  
 IPR Coordinator, IIC & HOD, E&TC Engineering PHCET, Rasayani

**Dr. R.C. Prasad**  
 President, IIC & Professor, Mechanical Engineering, PHCET, Rasayani

**Dr. Gajendra V Patil**  
 Convener, IIC & HOD, Mechanical Engineering PHCET, Rasayani

**Dr. Lata Mehta**  
 Dy. CEO, Pillai HOCL Educational Campus

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**IIC in association with IQAC, PHCET**



Presents a Webinar on

**Polymer as a Revolutionary Material for the Mankind**

On: Monday,  
**16th DECEMBER, 2021**  
**11:00 AM to 12:00 NOON**



Speaker

**Dr. Virendrakumar Gupta**  
 Head R&D, & Senior VP, Reliance Research

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**Dr. Gajendra V Patil**  
 Convener, IIC & Mechanical Engineering, PHCET, Rasayani

**Dr. R.C. Prasad**  
 President, IIC & Professor, Mechanical Engineering, PHCET, Rasayani

**Dr. J.W. Bakal**  
 Principal, PHCET, Rasayani

- Hackathon Competition

MAHATMA EDUCATION SOCIETY'S  
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**IIC in association with IQAC, PHCET**

**TOY HACKATHON COMPETITION 2021-22 on the occasion of National Start-up day**

**On: Saturday,  
 16th JANUARY, 2022  
 10:00 AM ONWARDS**

**For all branches**  
**For further details contact us:**

**Dr. Gajendra V Patil**  
 Convener, IIC &  
 Mechanical Engineering,  
 PHCET, Rasayani

**Dr. R.C. Prasad**  
 President, IIC & Professor,  
 Mechanical Engineering,  
 PHCET, Rasayani

**Dr. J.W. Bakal**  
 Principal  
 PHCET, Rasayani

Patentability/novelty search  
 Drafting Patent Application  
 Filing Patent in India  
 Publication of Patent Application  
 Examination of Patent Application  
 Grant of Patent

Mahatma Education Society's  
**Pillai HOC College Of Engineering And Technology**  
 RASAYANI

**SEMINAR ON "IPR & PATENT FILING"**

**DATE : 4TH AUGUST 2022**  
**TIME : 11 AM ONWARDS**  
**VENUE : CONCLAVE 1**

**SPEAKER : DR. B.K. SARKAR**

Organized By :  
**COMPUTER ENGINEERING DEPARTMENT**

INSTITUTION'S INNOVATION COUNCIL

➤ **Business plan competition:**

The Business Plan Competition was initiated by the Pillai HOC Centre of Innovation and Entrepreneurship in the year 2015 as a platform for budding student entrepreneurs. This program helps to start a business from scratch. A grand prize of Rs. 1 lakh has been awarded to the winner of the competition since its inception in 2015.

Every year, the competition is announced in the month of July and several workshops on idea generation, accounting, legal framework, motivational talks, etc. are conducted throughout the year. In Year 21-22, 67 teams registered for the competition and 7 teams competed in the final round. The jury members were Mr. Sijo Varghese, Manager – MSInS, Ms. Mansi Thakkar – Founder Mansi Thakkar Training Systems LLP, and Mr. Sagar Chandni, Head- Growth, Partnerships and Customer Success, CIBA.



➤ Workshop on Prototyping



MAHATMA EDUCATION SOCIETY'S  
Pillai HOC College of Engineering & Technology, Rasayani.

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING  
UNDER IETE STUDENT FORUM ORGANISES

**WORKSHOP ON "INDUSTRIAL PCB PROTOTYPING"**

**DETAILS OF THE SPEAKER**



**Mr. Shubham Thakur**  
(Research Associate, PCB Lab),  
Certified PCB Analyst &  
Design Engineer, ESSCI.

DATE	VENUE	TIME
FRIDAY, 11TH MARCH 2022	2ND FLOOR CONCLAVE	10:30 AM ONWARDS

➤ Webinar on Design Thinking



MAHATMA EDUCATION SOCIETY'S  
PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY, RASAYANI

DEPARTMENT OF COMPUTER ENGINEERING  
PRESENTS

**DESIGN THINKING, INNOVATION AND STARTUP**

How to Start and Grow a Business:  
A Guide for Young Entrepreneurs



**SPEAKER**  
**DR. KARTHIK NAGARANJAN**  
INNOVATION AMBASSADOR

29th July 2022, Friday  
02:30 pm - 4:30 pm

Conclave - II

**AGENDA**  
Design Thinking | Startups & Patents | ISRO Outreach Center | ISRO Projects / Internships

✚ National Innovation and Start-up Policy-2019 (NISP by MHRD's (Now, Ministry of Education)).

Innovation and Startup Policy (for Students and Faculty) Formulated on May 20, 2021

<https://phcet.ac.in/wp-content/uploads/2021/05/National-Innovation-and-Startup-Policy-Document-2021.pdf>

<p>National Innovation and Startup Policy (NISP) Cell and Intellectual Property Rights (IPR) Cell at Mahatma Education Society's Pillai's HOC College of Engineering &amp; Technology, Rasayani has jointly conducted Webinar on "Intellectual Property Rights Awareness" on 9th February, 2022.</p>	<p><a href="https://phcet.ac.in/webinar-on-intellectual-property-rights-awareness/">https://phcet.ac.in/webinar-on-intellectual-property-rights-awareness/</a></p>
<p>National Innovation and Startup Policy (NISP) Cell and Intellectual Property Rights (IPR) Cell at Mahatma Education Society's Pillai's HOC College of Engineering &amp; Technology, Rasayani has jointly conducted business idea exhibition on 16th December, 2021.</p>	<p><a href="https://phcet.ac.in/business-idea-exhibition/">https://phcet.ac.in/business-idea-exhibition/</a></p>
<p>NISP Cell, at Mahatma Education Society's Pillai's HOC College of Engineering &amp; Technology, Rasayani has conducted Awareness Program on National Innovation and Startup Policy (NISP) dated 10th July, 2021 at 11.00 a.m. in online mode.</p>	<p><a href="https://phcet.ac.in/awareness-program-on-national-innovation-and-startup-policy-nisp/">https://phcet.ac.in/awareness-program-on-national-innovation-and-startup-policy-nisp/</a></p>



**Business idea exhibition on 16th December, 2021.**

➤ Highlight selected best Innovations

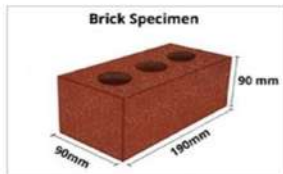


Smart Construction Safety Helmet  
(Patent App. No: 202121043251 )

Product Developed



Manufactured and Engineered Truly fly-ash  
Aggregate with Light in weight (METAL)  
(Patent App. No: 202221065222 )



Steel fibre reinforced sustainable  
composite hollow block  
(Patent App. No: 202121053767 )



Bamboo-reinforced manhole cover  
(Patent App. No: 2021210433843 )



Eco-friendly Poly-propylene paver block  
with anti-skid film  
\*(Patent App No: 202121046356  
(Patent No: 432844 )

➤ 3-day National level Hackathon:

- Hackoverflow 2023 was a 3-day National Level Hackathon conducted by the Department of Computer Engineering which was held from 16th to 18th March, 2023 for the students.

<https://phcet.ac.in/hackoverflow-1-0/>



**Business Plan Competition 2023**

**Contact Details**

Prof. Gajendra V Patil  
PHCET (9224281153)

Prof. Hemant Patil  
PHCET (9028626803)

**Last Date to Register: 15<sup>th</sup> July 2023**

**1 LAKH PRIZE**

- Students studying in Institutions under Mahatma Education Society can participate in this competition.
- Register your team (2 to 5 members per team).
- The team may include an alumni of the college (provided the alumni has completed studies not earlier than 31st March 2021).
- A student can be member of maximum two teams.

Register & Submit Your Ideas Here: [bit.ly/PillaiBusinessPlan23](https://bit.ly/PillaiBusinessPlan23) | [pcie.mes.ac.in](http://pcie.mes.ac.in)

✚ List of activity Under IIC 22-23

Name of the Activity	Quarter	Activity Details	Start Date	End date
Rethinking Engineering Education in line with NEP 2020 and 21 st Century Skills	I	Rethinking Engineering Education in line with NEP 2020 and 21 st Century Skills	24/1/23	24/1/23
Celebration of Mathematics Day "Happy Mathematics Day"	I	Celebration of Mathematics Day "Happy Mathematics Day"	22/12/22	22/12/22
Digital Circuits and Microprocessors sponsored by Wadhvani Electronics Laboratory (WEL),	I	Digital Circuits and Microprocessors sponsored by Wadhvani Electronics Laboratory (WEL),	28/11/22	2-12-22

Workshop on Public speaking	II	Various topics given to students to showcase their entrepreneurial skills in front of public	24/1/23	24/1/23
Scope of engineering graduates as Techno-managers	II	Scope of engineering graduates as Techno-managers	28/1/23	28/1/23
One day Hands on workshop on robotics	II	The workshop was conducted for on manually controlled robots and automatic robots. Speaker of the workshop was Prof. Mithun G Nair, Department of Electronics and Computer Science. Total 40 Students attended this workshop	25/1/23	25/1/23
Workshop on Public speaking	II	Various topics given to students to showcase their entrepreneurial skills in front of public	24/1/23	24/1/23

#### Rating Certificate for IIC cell of PHCET

Based on the evaluation IIC of the PHCET rated with 2 star in calendar year 20-21 and with 3 and half star in calendar year 21-22.

Performance Report for the Academic Year 2022-23			
	Total Score: 55.16/100	Total Reward: 2.84	Final Star: 3/5
Activity Summary	Total Score Earned for Q1-Q4 Activities (I = A*80%)	Total Score Earned from Participation (II = B*20%)	Total Score Earned (I + II = 100)
Total no of Submitted Activities : 63	48.589999999999996	6.57	55.16
No of Approved Activities : 51			
Disapproval % of Activities : 13.5593			
Reward Point Earned : 2.83633			



### ✚ ARIIA Ranking

PHCET (ARI-C-34105) has gained All India rank in Band C (rank above 50) (Private or Self-Financed College/Institutes) in ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS (ARIIA) 2020.



### ✚ NIRF ranking

PHCET is positioned in the band of 151-300 in the innovation category under NIRF ranking framework in 2023.

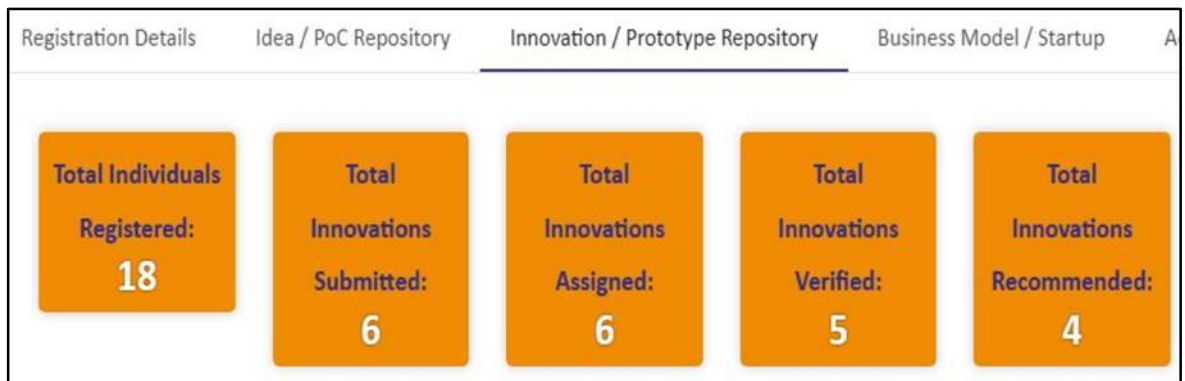


✚ **YUKTI - National Innovation Repository (NIR)** is an initiative of the Ministry of Education (MoE) Government of India and it is implemented by MoE's Innovation Cell and AICTE to build a system of repository of ideas, innovations and startups developed in academic institutions

Only IIC Institute can nominate recommended **innovation/prototype level** for the YUKTI Innovation Challenge

Details of the idea submitted to YUKTI Innovation Challenge under PHCET, IIC under different category





The institute has signed MOUs with a variety of industries to improve institute-industry interaction. Students are benefiting due to collaboration with industry. Students are getting internships in these industries; some students are being placed in these industries. MOUs also help to get funding projects from the industry. The details of MOUs signed are available at <https://phcet.ac.in/research/research-activity/mou/>

Sr. No.	Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house with	Year of signing MoU / collaboration / linkage	Duration of MoU / collaboration / linkage	List the actual activities under each MOU and web-links year-wise

		<b>whom the MoU / collaboration / linkage is made, with contact details</b>			
1	My Captain, E-learning platform	My Captain	23rd August' 2022,	6 months	TechThrive:Internet of things(Chapter1) Workshop
2	Reva Technologies, New Panvel	Reva Technologies	04-09-2022	3 years	Industrial training, Skill development programs
3	Aptech Learning , Panvel	Aptech Learning Panvel	17-May-23	Till Either party cancel	Industrial training, Skill development programs
4	TeleMan Institute of Wireless Technologies Pvt Ltd,Thane (Institute of Telecom Revolution)	TeleMan Institute of Wireless Technologies Pvt Ltd,Thane (Institute of Telecom Revolution )	10-Jun-19	Till Either party cancel	Industrial training, Skill development programs
5	Telenet works Pvt. Ltd	Telenetworks Pvt. Ltd	June 1,2019	Till Either party cancel	Industrial training, Skill development programs
6	Tata power skill development institute (TPSDI)	Tata power skill development institute (TPSDI)	08-10-2022	1 YEAR	Industrial training, Skill development programs
7	GEH Research LLP India,	GEH Research LLP India	01-12-2020	05 year	Patents/publications/Industrial training,/Skill development programs

	Pune				
8	Bloomzen pvt ltd, Badlapur	Bloomzen pvt ltd	2/3/2022-2/3/2025	3 yr	Industrial training, Skill development programs
9	Empowering Zealous Brain pvt ltd, Uttar Pradesh	Empowering Zealous Brain pvt ltd	23/07/2022	1 yr	Industrial training, Skill development programs
10	UTPNN GREENTECH PVT LTD, navi Mumbai	UTPNN GREENTECH PVT LTD,	04-04-2023	1 yr	Industrial training, Skill development programs, consulting projects.
11	Rashtriya Chemicals and Fertilizers Ltd. (RCF)	RCF, Sion, Mumbai 22	16/06/2022	1 yr	Industrial training, Skill development programs
12	REU Engineering and consulting, kamothe	REU Engineering and consulting, kamothe	Aug 22 - Aug 26	4 year	Internship, Placement
13	Isnee Motorssports Private Ltd, Bijnor	Isnee Motorssports Private Ltd, Bijnor	Aug 22- Aug 23	1 yr	Training, placement
14	Dream to Reality	Dream to Reality	May 2023- May 2028	5 years	Research and training
15	IGBC, Mumbai	IGBC, Mumbai	11th MArch 2022	5 years	Training,
16	PROGRESSIVE EXPERT CONSULTING PVT.	PROGRESSIVE EXPERT CONSULTING PVT. LTD	10th Jan 2022	5 years	Training, placement

	LTD. 2nd Floor Pride Enigma above Metropolis Lab Sutgirani Chowk Aurangabad 431001.				
17	Indian Rubber Manufacturers Research Association	Indian Rubber Manufacturers Research Association	13/07/2021	5 years	Industrial training, Skill development programs
18	TVM Engineering Works, Bhayandar East, Thane	TVM ENGINEERING WORKS	31st Dec 2020	5 years	Training, placement
19	GREYCAST FOUNDERS	GREYCAST FOUNDERS, AMBERNATH	14/02/2021	1 year	Project
20	P. G. LAB, AIROLI	Perpetual Gravity Lab, Airoli	27/05/2021	1 year	Project
21	OHT Fastcomp Pvt. Ltd. Rabale, Navi Mumbai.	OHT Fastcomp Pvt. Ltd. Rabale, Navi Mumbai.	01-03-2021	1 year	Industrial training, Skill development programs
22	Dhirendra Group Of Companies	Dhirendra Group Of Companies	12th January 2020 (1000 days from date of signing)	Jul-23	Training, Internship
23	Structwel Designer	Structwel Designers And	9th September 2019	8th September 2024	Training & Placement

	s And Consultants Pvt.Ltd	Consultants Pvt.Ltd			
24	CADD Centre, Thane	CADD Centre, Thane	27th January 2020	27th January 2025	Training, Internship
25	Chetan Construction, Pali, Dist-Raigad	Chetan Construction, Pali, Dist-Raigad	23rd October 2019	23rd October 2024	Training, Internship
26	J M Mhatre Infra Pvt. Ltd, Navi-Mumbai	J M Mhatre Infra Pvt. Ltd, Navi-Mumbai	11th September 2019	11th September 2024	Training, Internship
27	Jog Infrastructure Pvt. Ltd	Jog Infrastructure Pvt. Ltd	29th January 2020	29th January 2025	Training, Internship
28	SP Concare Private Ltd., Sangli	SP Concare Private Ltd., Sangli	01-Jan-21	1st Jan2021 to 1st Jan2026	NIL
29	Sahu Technologies	Sahu Technologies	March 13,2019	Until MOU terminated by either Party	Training, Internship and Placements
30	Taloja Industries Association, Taloja, Navi Mumbai	Taloja Industries Association, Taloja, Navi Mumbai	27/01/2020	Until MOU terminated by either Party	Industrial training & visits, Skill development programs, Guest lectures, Internship & placement of students
31	BIOCRUX India Pvt ltd, Mumbai	BIOCRUX India Pvt ltd, Mumbai	15/07/2019	Until MOU terminated by either Party	Industrial training, Skill development programs
32	Siemens Sitrain	Siemens Sitrain	17/07/2019	2 years	Industrial training, Skill development programs
33	Padeco India Pvt.Ltd	Padeco India Pvt.Ltd	10th January 2020	10th January 2025	Training & Placement
34	Perform	Performan	October, 2018	5 years	To offer a course on "Go-

	ance Motor Works (AIRC), Pune	ce Motor Works (AIRC), Pune			kart Designing and Manufacturing." CAD using SOLIDWORKS and CAE using ANSYS.
35	IFS Academy , Pune, "CAD/CAM M Training Pvt. Company"	IFS Academy, Pune, "CAD/CAM Training Pvt. Company"	February 14, 2019	5 years	Conducting training for students on Primavera.

- The institute has an ISRO outreach center and is engaged in training faculty and students in space technology. <https://phcet.ac.in/academics/isro-outreach-center/isro-pillais-phcet-outreach-network-institute/>.
- Recently Industry sponsored & ISTE approved Six Days Short Term Training Program on “Challenges and Opportunities in Sustainable Energy Conservation, Utilization and Its Business Strategy during 19th to 24th September, 2022 were conducted under this unit. A funding of 5.91 Lakhs by ISRO SBDM was sanctioned for conducting sponsored training program on Capacity building on Space Based disaster management support and risk reduction for Maharashtra State during 20 - 25 March 2023.



PHCET supports students and faculty for entrepreneurial activities and Product Development. Pillai Centre for Entrepreneurship is very active. Entrepreneurship is set up to encourage and inculcate the entrepreneurial spirit among the youth. It is a platform for networking, building entrepreneurship skills and providing access to high quality technical and managerial expertise. It is a forum to assist in developing entrepreneurs and support innovative ideas from ideation to fruition. The details of various entrepreneurial activities organised are available at <https://pcie.mes.ac.in/business-plan-competitions/2022-23/business-plan-competition-2022-23-final-round/>, <https://pcie.mes.ac.in/business-plan-competitions/2021-22/poster-2021-22/>

R and D Unit at PHCET have fabricated the solar powered electrical Vehicle from scratch.



PHCET supports innovation by organising various workshops and mentoring sessions for patent filing for students and faculty. The summary of patents till date at PHCET is as follows:

### **Patent Details**

National Patent (Indian)

- Filed - 93

- Published - 93
- Granted – 04

International Patent (USA/ UK/Germany)

- Filed - 09
- Published - 09
- Granted – 07

**Student participation in various competitions:**



**Team Starkers**



**Starkers Racing**



**Team RUTEZZ (Hackathon)  
Guwahati**



**Team SmartGeeks (Hackathon)  
Bengaluru**



**Mr. Vikas Suresh (Student - Civil) received First Rank in Avishkar 2022**

**Details of Research grant received from University of Mumbai in the AY 2019-20:**



**Mahatma education Society's  
Pillai HOC College of Engineering and Technology, Rasayani**

**Minor Research Projects Sanctioned to University of Mumbai for AY 2019-20**

<b>Sr. No</b>	<b>Name of PI and Co-PI</b>	<b>Title of the Project</b>	<b>Fund Sanctioned</b>
1	Mr. Amar Arun Jadhav	Development of bench top dynamic mechanical analyzer for soft material characterization.	₹ 50,000.00
2	Mr. Vivek S Meshram	Experimental Testing and replacement of plastic in moulding of solid toys moulded with eco-friendly materials	₹ 35,000.00
3	Mr.Karthik Nagarajan	Simulation of 3D Digital Elevation Model (DEM) for Rural Villages by acquiring ISRO Satellite Image - A Remote Sensing and GIS Approach	₹ 40,000.00
4	Mr. Manish Mane	Environmental impact assessment of Patalganga Industrial Area.	₹ 30,000.00
5	Ms. Rohini Bhosale	Design And Construction of Arduino Based Aid Visually Impaired People	₹ 30,000.00
6	Mr. Nikhil Raje	Translating Sign Language to Speech Using Flex Gloves For Deaf & Dumb	₹ 30,000.00
7	Ms. Kiran jeet Kaur & Ms. Prachi Sorte	Swarm Robotic System For Mapping And Exploration of Extreme Environment	₹ 20,000.00
8	Ms. Neha Rane	Krishibuddy (Smart farming using IoT &AI)	₹ 25,000.00
9	Ms. Neha Rathi	Blockchain and Smart Contract for Digital Certificate	₹ 15,000.00
10	Mr. Aamir Shaikh, Ms. Pranita Chavan	Regenerative Bike with mileage enhancement	₹ 35,000.00
11	Ms.Sanobar S,Ms.Supriya Shigwan	Beach cleaning Robot	₹ 35,000.00
12	Dr. Mansi Subhedar	Dematerialized Vehicle Documents and Anti-Theft Mechanism for Vehicles Using Data Analytics Methods	₹ 25,000.00
13	Mr. Jayesh Rane	Public Water Supply Monitoring and controlling system using water theft identification to avoid water tampering	₹ 35,000.00
14	Mr. Rahul Warghane	Dry Compactor for Crop Residue	₹ 42,000.00
15	Mr. Suhas A. Uthale	Mechanical characterization of woven fabric hybrid polymeric nan composite and its failure analysis by FEM	₹ 50,000.00
16	Ms. Talib Farheen	Railway track crack detection system using IOT	₹ 30,000.00

17	Ms. Rupali Sathe	IOT based intelligent digital bill board : The future of outdoor advertisement	₹ 30,000.00
18	Ms. Komal Golimbade	Implementation of Chatbot using deep learning	₹ 20,000.00
19	Dr Avinash Kamble	A study on Fuzzy soft sets & its applications	₹ 35,000.00
20	Ravi Rewaskar	A study on Spectral graph theory & its applications	₹ 25,000.00
21	Sunita Khansole	"Efficacy of Bio fertilizers: A Field Scale Study Of Sawale Village For Sustainable Farming."	₹ 25,000.00
22	Nilesh Raut	"Automatic Load switching depending on availability of Sunlight for controlled Home Energy Consumption.	₹ 40,000.00
	<b>Total Grant</b>		<b>Rs. 7,02,000/-</b>

**Minutes of R and D Committee for AY 2018-19 to 2022-23 are as follows:**

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Rasayani

15<sup>th</sup> July 2019

Constitution of Committee for Pillai Center for Innovation and Research

There is a necessity to form a committee to ensure, oversee and supervise Research and Development activities in the Institute and to ensure performance by proper monitoring of Research Projects and engagement in all research trust areas. The activities include formation and continuation of research, innovation and incubation.

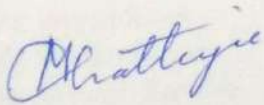
In view of the above, the following committee is constituted for the Academic Year 2019-2020.

1. Dr. Chelpa Lingam	:	Sr. Prof, Comp	:	Convener
2. Mr. Vivek Meshram	:	Asst. Prof, Auto	:	Member
3. Mr. Raju Narwade	:	Assoc. Prof, Civil	:	Member
4. Dr. Mathew TJ	:	Sr. Prof, Comp	:	Member
5. Ms. Babita Bhagat	:	Asst. Prof, Comp	:	Member
6. Ms. Lakshmi CR	:	Asst. Prof, Elect	:	Member
7. Mr. Jayesh Rane	:	Asst. Prof, EXTC	:	Member
8. Ms. Shaikh Fareen	:	Asst. Prof, IT	:	Member
9. Dr. Avinash Kamble	:	Asst. Prof, AHMS	:	Member
10. Dr. Prasad RC	:	Sr. Prof, Mech	:	Member
11. Dr. Kalyanasundaram,	:	Prof, Mech	:	Member
12. Dr. Nadar MD	:	Prof, Mech	:	Member Secretary

This committee will meet once in a semester to transact the following:

1. Review and monitor R&D activities in all thrust areas
2. Arrange lectures and seminars periodically to provide academic support and guidance to research as requirements arise
3. Monitoring quality of thesis and dissertations
4. Explore possibilities of research collaborations both nationally and internationally

This committee reports to the Principal, PHCET.



(Dr. Madhumita Chatterjee)  
Principal

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Rasayani

## Notice

06<sup>th</sup> August 2019

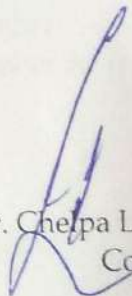
Notice and Agenda for Meeting of PCIR Committee

A meeting of the PCIR committee will be held as per following scheduled.

Time : 1430 Hrs  
Day & Date : 10<sup>th</sup> August 2019  
Venue : Principal's Conference Room

All members are requested to make it convenient to attend the same. The agenda for the meeting is as follows:

1. To read and confirm minutes of previous meeting held on 15<sup>th</sup> March 2019
2. Review progress of
  - a. Design and Development of Go-Kart
  - b. Stamping Machine
  - c. Ergonomics Pillows Project of Dr. Kalyanasundaram
3. To discuss the topics for PBL
4. To discuss conduction of workshops etc in R&D lab.

  
(Dr. Chelapa Lingam)  
Convener

To:

- |                         |   |                    |   |                  |
|-------------------------|---|--------------------|---|------------------|
| 1. Mr. Vivek Meshram    | : | Asst. Prof, Auto   | : | Member           |
| 2. Mr. Raju Narwade     | : | Assoc. Prof, Civil | : | Member           |
| 3. Dr. Mathew TJ        | : | Sr. Prof, Comp     | : | Member           |
| 4. Ms. Babita Bhagat    | : | Asst. Prof, Comp   | : | Member           |
| 5. Ms. Lakshmi CR       | : | Asst. Prof, Elect  | : | Member           |
| 6. Mr. Jayesh Rane      | : | Asst. Prof, EXTC   | : | Member           |
| 7. Ms. Shaikh Fareen    | : | Asst. Prof, IT     | : | Member           |
| 8. Dr. Avinash Kamble   | : | Asst. Prof, AHMS   | : | Member           |
| 9. Dr. Prasad RC        | : | Sr. Prof, Mech     | : | Member           |
| 10. Dr. Kalyanasundaram | : | Prof, Mech         | : | Member           |
| 11. Dr. Nadar MD        | : | Prof, Mech         | : | Member Secretary |

MoM

14<sup>th</sup> August 2019

Minutes of Meeting of PCIR

A meeting of the PICR committee was held as per following scheduled.

Time : 1430 Hrs  
Day & Date : 10<sup>th</sup> August 2019  
Venue : Principal's Conference Room

Following members were present:

1. Dr. Chelpa Lingam	:	Sr. Prof, Comp	:	Convener
2. Mr. Vivek Meshram	:	Asst. Prof, Auto	:	Member
3. Mr. Raju Narwade	:	Assoc. Prof, Civil	:	Member
4. Dr. Mathew TJ	:	Sr. Prof, Comp	:	Member
5. Ms. Babita Bhagat	:	Asst. Prof, Comp	:	Member
6. Ms. Lakshmi CR	:	Asst. Prof, Elect	:	Member
7. Mr. Jayesh Rane	:	Asst. Prof, EXTC	:	Member
8. Ms. Shaikh Fareen	:	Asst. Prof, IT	:	Member
9. Dr. Prasad RC	:	Sr. Prof, Mech	:	Member
10. Dr. Kalyanasundaram	:	Prof, Mech	:	Member
11. Dr. Nadar MD	:	Prof, Mech	:	Member Secretary

Following members have been granted leave of absence:

1. Dr. Avinash Kamble	:	Asst. Prof, AHMS	:	Member
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The committee transacted following business:

- To read and confirm minutes of previous meeting held on 15<sup>th</sup> March 2019  
The committee read and confirmed the minutes of the meeting held on 15<sup>th</sup> March 2019
- Design and Development of Go-Cart  
Dr. Nadar had informed that our students had made a Go-Cart and participated in the competition. They also won several awards
- Stamping Machine  
The team identified some mechanical design faults. Hence, a final year student, Mr. Harsh Shetty had been put on the project to rectify the mistakes. Dr. Kalyanasundaram from Department of Mechanical Engineering is also guiding him.

4. Ergonomics Pillows Project of Dr. Kalyanasundaram

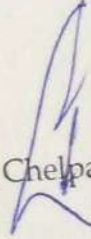
Dr. Kalyanasundaram informed the committee that he had collected data points from several students and two head forms have been prepared. Further, his team is in the process of identifying material for the pillows.

5. To discuss the topics for PBL

All members have agreed that the PBL topics should be innovative and thought provoking. As such, faculty members are instructed to design projects that can possibly lead to further work by students towards their BE projects or for participating in Aavishkar.

6. New Item

Mr. Anish KS had informed the committee that this year a new group of students are working on a Electric Car. This car and the Deisel Car will participate in competitions.

  
(Dr. Chelapa Lingam)  
Convener

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Rasayani

Notice

12<sup>th</sup> March 2019

Notice and Agenda for Meeting of PCIR Committee

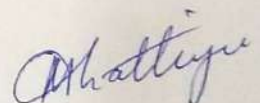
A meeting of the PCIR committee will be held as per following scheduled.

Time : 1430 Hrs  
Day & Date : 15<sup>th</sup> March 2019  
Venue : Principal's Conference Room

All members are requested to make it convenient to attend the same. The agenda for the meeting is as follows:

1. To read and confirm minutes of previous meeting held on 10<sup>th</sup> August 2018
2. Review progress of Design and Development of Go-Cart
3. Review progress of "Stamping Machine" Project
4. To discuss budget requirements for AY 2019-2020

As Ms. Munawira Kotyad-Pillai and Dr. Samir Vinchurkar are not available, I request Dr. Chelpa Lingam to be the Convener for this meeting

  
(Dr. Madhumita Chatterjee)  
Principal

To:	:	Assoc Prof, EXTC	:	Convener
1. Ms. Munawira Kotyad-Pillai	:	Sr. Prof, Comp	:	Member
2. Dr. Chelpa Lingam	:	Prof, Mech	:	Member
3. Dr. Kalyanasundaram	:	Sr. Prof, Comp	:	Member
4. Dr. Mathew TJ	:	Sr. Prof, Mech	:	Member
5. Dr. Prasad RC	:	Prof, Comp	:	Member
6. Dr. Ashok Kanthe	:	Prof, Mech	:	Member
7. Dr. Nadar MD	:	Assoc Prof, Civil	:	Member Secretary
8. Dr. Tejaswini DN	:	Assoc Prof, Mech	:	
9. Dr. Samir Vinchurkar	:		:	

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Rasayani

MoM

19<sup>th</sup> March 2019

Minutes of Meeting of PCIR

A meeting of the PICR committee was held as per following scheduled.

Time : 1430 Hrs  
Day & Date : 15<sup>th</sup> March 2019  
Venue : Principal's Conference Room

Following members were present:

1. Dr. Chelva Lingam	:	Sr. Prof, Comp	:	Member
2. Dr. Kalyanasundaram	:	Prof, Mech	:	Member
3. Dr. Mathew TJ	:	Sr. Prof, Comp	:	Member
4. Dr. Prasad RC	:	Sr. Prof, Mech	:	Member
5. Dr. Ashok Kanthe	:	Prof, Comp	:	Member
6. Dr. Nadar MD	:	Prof, Mech	:	Member

Following members have been granted leave of absence:

1. Ms. Munawira Kotyad-Pillai	:	Assoc Prof, EXTC	:	Convener
2. Dr. Samir Vinchurkar	:	Assoc Prof, Mech	:	Member Secretary
3. Dr. Tejaswini DN	:	Assoc Prof, Civil	:	Member

The committee transacted following business:

1. To read and confirm minutes of previous meeting held on 10<sup>th</sup> August 2018

The minutes of the previous meeting have been read and confirmed.

2. Review progress of Design and Development of Go-Cart

The team reviewed the progress of Go-Cart. Dr. Nadar appraised the team regarding the progress. He informed that around 25 students had come forward to participate in the making of the go-Cart. He also informed that their department has a student who is a qualified driver of race cars. The members were happy with the progress.

3. Review progress of "Stamping Machine" Project

Dr. Chelva had informed about the progress of the Stamping Machine. He informed that Mr. Smit Pandya, the student with whom the project began managed to get many more students interested in the project.

(Dr. Chelva Lingam)  
Convener



Mahatma Education Society's  
PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY, RASAYANI  
Research and Development Lab

Date: February 20, 2020

## NOTICE

The following members are requested to attend the meeting scheduled on March 13, 2020 at 11.30 am in HOD room, senior faculty members are requested to collect the requirement of lab equipments, consumables, repairs and maintenance and any other from all respective faculty members and prepare the list of same for further discussion on budget plan for the upcoming financial year 2020-21.

Members:

1. Dr. M. D. Nadar
2. Dr. G. V. Patil
3. Dr. Mansi S. Subhedar
4. Dr. Ashok Kante

Research and Development Lab  
In-Charge  
(Dr. Kalyan K. Sundaram)



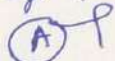
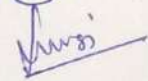
Pillai HOC College of Engineering and Technology, Rasayani

Research and Development Committee

Minutes of Meeting held on March-13<sup>th</sup>, 2020

All Research and Development committee budget committee members are resolved allocation of funds for research activities on March 13<sup>th</sup> 2020 at 10.00A.M. in Principal's conference room

The following members were present

1. Dr.Madumitta Chatterige 
2. Dr.M.D.Nadar 
3. Dr.Ashok Kante 
4. ~~Dr.~~ Mansi Subhedar 
5. Dr.G.V.Patil

Dr.K.Kalyana Sundaram

Research and Development Lab-Incharge

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology  
Rasayani

4/10/2021

**Constitution of committee for Pillai Center for innovation and Research**

There is a necessary to form a committee to ensure, oversee and supervise Research and Development activities in the institute and to ensure performance by regular monitoring of Research Projects and engagement in all research thrust areas. The activities include formation and continuation of research, innovation and incubation

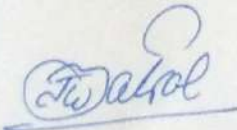
In view of the above, the following committee is constituted for the Academic Year 2021-2022.

1	Dr. Jagdish. W. Bakal	Principal	Convener
2	Dr. R.C.Prasad	Prof. Mech Engg	Member
3	Dr. G.R.Patil	Prof.Civil Engg	Member
4	Dr. B.K Sarkar	Prof. Computer Engg	Member
5	Mr. Raju Narwade	Assoc Prof. Civil	Member
6	Ms. Babita Bhagat	Asst. Prof. Computer	Member
7	Ms. Lakshmi.C.R	Asst. Prof. Elect	Member
8	Mr. Jayesh Rane	Asst. Prof. EXTC	Member
9	Ms. Shaikh Fareen	Asst. Prof. IT	Member
10	Dr. Avinash Kamble	Asst. Prof. AHMS	Member
11	Mr. Vivek Meshram	Asst. Prof. Auto	Member
12	Dr. M.D.Nadar	Prof.Mech Engg	Member Secretary

This committee will meet once in a semester to transact the following.

1. Review and monitor R&D activities in all thrust areas
2. Arrange lectures and seminars periodically to provide academic support and guidance to research as requirements arise
3. Monitoring quality of thesis and dissertations
4. Explore possibilities of research collaborations both nationally and internationally

This committee reports to the Principal PHCET



Dr. Jagdish. W. Bakal  
Principal

Mahatma Education Society's  
PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY, RASAYANI  
Research and Development Lab

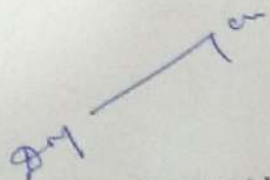
Date: February 19, 2021

## NOTICE

The following members are requested to attend the meeting scheduled on March 12, 2021 at 11.30 am in HOD room, senior faculty members are requested to collect the requirement of lab equipments, consumables, repairs and maintenance and any other from all respective faculty members and prepare the list of same for further discussion on budget plan for the upcoming financial year 2021-22.

Members:

1. Dr. M. D. Nadar
2. Dr. G. V. Patil
3. Dr. Mansi S. Subhedar
4. Dr. Divya Y. Chirayil

  
Research and Development Lab  
In-Charge  
(Dr. M. D. Nadar)

Pillai HOC College of Engineering and Technology, Rasayani  
Research and Development Committee

Minutes of Meeting held on March-12<sup>th</sup>, 2021

All Research and Development committee budget committee members are resolved allocation of funds for research activities on March 12<sup>th</sup> 2021 at 10.00A.M. in Principal's conference room Online

The following members were present

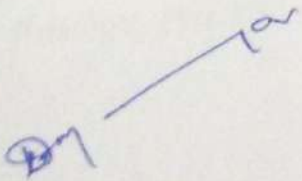
1. Dr.T.J.Mathew

2. Dr.M.D.Nadar

3. ~~Dr.~~ Mansi Subhedar

4. Dr.G.V.Patil

5. Dr.Divya Chiryal

  
Dr.M.D.Nadar

Research and Development Lab-Incharge

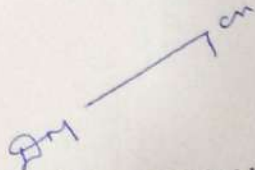
Date: February 18, 2022

## NOTICE

The following members are requested to attend the meeting scheduled on March 11, 2022 at 11.30 am in HOD room, senior faculty members are requested to collect the requirement of lab equipments, consumables, repairs and maintenance and any other from all respective faculty members and prepare the list of same for further discussion on budget plan for the upcoming financial year 2022-23.

Members:

1. Dr. M. D. Nadar
2. Dr. G. V. Patil
3. Dr. Mansi S. Subhedar
4. Dr. Divya Y. Chirayil

  
Research and Development Lab  
In-Charge  
(Dr. M. D. Nadar)

Mahatma Education Society's  
Pillai HOC College of Engineering and Technology, Rasayani  
Research and Development Committee

Minutes of Meeting held on March-13<sup>th</sup>, 2022

All Research and Development committee budget committee members are resolved allocation of funds for research activities on March 13<sup>th</sup> 2022 at 10.00A.M. in Principal's conference room off-Line

The following members were present

1. Dr.J.W.Bakal
2. Dr.M.D.Nadar *DM*
3. ~~Dr.~~ Mrs.Mansi Subhedar *Mansi*
4. Dr.G.V.Patil
5. Dr.Divya Chiryal

*DM*  
Dr.M.D.Nadar

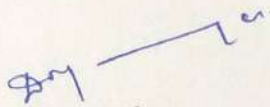
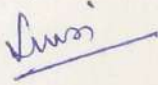
Research and Development Lab-Incharge

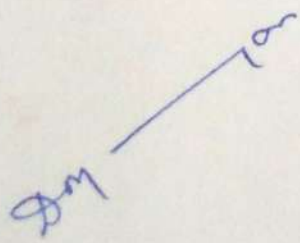
Mahatma Education Society's  
**Pillai HOC College of Engineering and Technology, Rasayani**  
**Research and Development Committee**

**Minutes of Meeting held on March-17<sup>th</sup>, 2023**

All Research and Development committee budget committee members are resolved allocation of funds for research activities on March 17<sup>th</sup> 2023 at 10.00A.M. in Principal's conference room off line

The following members were present

1. Dr.J.W.Bakal
2. Dr.M.D.Nadar 
3. ~~Dr.~~ Mansi Subhedar 
4. Dr.G.V.Patil
5. Dr.Divya Chiryal

  
Dr.M.D.Nadar

Research and Development Lab-Incharge



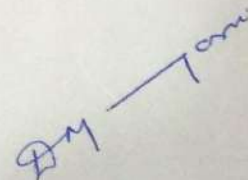
Date: February 17, 2023

## NOTICE

The following members are requested to attend the meeting scheduled on March 17, 2023 at 11.30 am in HOD room, senior faculty members are requested to collect the requirement of lab equipments, consumables, repairs and maintenance and any other from all respective faculty members and prepare the list of same for further discussion on budget plan for the upcoming financial year 2023-24.

Members:

1. Dr. J. W. Bakal
2. Dr. M. D. Nadar
3. Dr. G. V. Patil
4. Dr. Mansi S. Subhedar
5. Dr. Divya Y. Chirayil



Research and Development Lab  
In-Charge  
(Dr. M. D. Nadar)

Mahatma Education Society's  
**Pillai HOC College of Engineering and Technology, Rasayani**

Date: November 22, 2021


## NOTICE


A meeting of all members of IIC will be held online on Saturday November 24, 2021 at 11.30 A.M.


Venue: Principal conference room

### Agenda:

1. Discussion on Nominations and Roles of IIC members of various portfolios
2. How many were nominated & how many have completed the IA Foundation level program?
3. Names of members to be nominated for the next phase program starting in August.4.
4. Planning of IIC Activities for Quarter1 (Dec 21 to Jan 22)
5. Discussion about Materials Camp of ASM during 16-19 Dec 21
6. Any other matter with permission of chair

  
Dr. G.V. Patil  
IIC Convenor

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W. Bakal  
Principal

## **Pillai HOC College of Engineering and Technology, Rasayani**

### **Minutes of the meeting on November 24, 2021**

The Principal and President started the meeting on scheduled time and following points were discussed

#### **Agenda 1: Discussion on Nominations and Roles of IIC members of various portfolios**

**Discussion:** IIC President Dr R.C. Prasad and Dr. G.V.Patil briefed about function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell

#### **Agenda 2: How many were nominated & how many have completed the IA Foundation level program?**

**Discussion:** Dr. G.V.Patil, IIC convener has taken review from members about completion of IA foundation level program. He informed that those who have completed IA program their names have been nominated for Advance IA program by. Newly joined members were nominated for Advanced IA program.

#### **Agenda 3: Planning of IIC Activities for Quarter1 (Dec 21 to Jan 22)**

**Discussion:** Dr. G.Vpatil IIC, Convener proposed to discuss about IIC Activities for Quarter1 (Dec 21 to Jan 22). Dr. R.C.Prasad, President proposed to schedule various activities for students and Faculty to enhance their academic and entrepreneur skills.

#### **Agenda 4: Discussion about Materials Camp of ASM during 16-19 Dec 21**

**Discussion:** Dr. R. C. Prasad, IIC president gave detailed planning of Materials Camp of ASM arranged by IIC, PHCET and ASM international during 16-19 Dec 21. He appealed to all IIC members about participation and support for the same. Also it has been decided to conduct regular meetings in Research Innovation cell.

#### **Agenda 5: Any other topic with the permission of chair**

**Discussion:** Principal asked all IIC members to give the suggestions. Mr. Raju Narwade suggested including all department activities through IIC. Mr. Kartik suggested to add various coordinator faculty members to execute the ideas.

**The meeting ended with the vote of thanks to all invitees.**

**Pillai HOC College of Engineering and Technology, Rasayani**

**Action Taken Report of the meeting on November 24, 2021**

**Agenda 1: Discussion on Nominations and Roles of IIC members of various portfolios**

Nominations, roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell has been formed and updated on IIC portal.

**Agenda 2: How many were nominated & how many have completed the IA Foundation level program?**


Details of newly joined IIC members updated on IIC portal. Portal successfully shows newly joined member nomination for IA program.

**Agenda 3: Planning of IIC Activities for Quarter 1 (Dec 21 to Jan 22)**


As per IIC format spread sheet has been shared by IIC convener to update planned activities for Quarter 1. It has been asked to all IIC members to update plan of activities on or before 27 November 21.

**Agenda 4: Discussion about Materials Camp of ASM during 16-19 Dec 21**

To execute Materials Camp of ASM committees have been formed and work related to same has been initiated.

  
Dr. G.V. Patil  
IIC Convener

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W. Bakal  
Principal

Mahatma Education Society's  
**Pillai HOC College of Engineering and Technology, Rasayani**

Date: Dec 7, 2021

## NOTICE

A meeting of all members of IIC will be held online on Saturday Dec 9th, 2021 at 11.30 A.M.

Venue: Principal conference room

### Agenda:

1. IIC activities to be conducted for Quarter 2
2. Names of members to be nominated for the Advanced Innovation ambassadors.
4. Planning of IIC Activities for Quarter 2
5. Discussion about Energy conservation day 14<sup>th</sup> Dec 21
6. Any other matter with permission of chair

  
Dr. G.V. Patil

IIC Convenor

  
Dr R. C. Prasad

IIC President

  
Dr. J.W. Bakal

Principal

Mahatma Education Society's  
**Pillai HOC College of Engineering and Technology, Rasayani**

**Minutes of the meeting held on Saturday Dec 9th, 2021**

The Principal and President started the meeting on scheduled time and following points were discussed

**Agenda 1: Discussion on IIC activities to be conducted for Quarter 2**

**Discussion:** IIC President Dr R.C. Prasad and IIC, convener Dr. G.V.Patil briefed about IIC activities to be conducted for Quarter 2.

**Agenda 2: Names of members to be nominated for the Advanced Innovation ambassadors**

**Discussion:** Dr. G.V.Patil, IIC convener has taken review from members about completion of IA foundation level program. He informed that those who have completed IA program their names have been nominated for Advance IA program by. Newly joined members were nominated for Advanced IA program.

**Agenda 3: Planning of IIC Activities for Quarter 2**

**Discussion:** Dr. G.V.Patil IIC, Convener proposed to discuss about IIC Activities for Quarter 2. Dr. R.C.Prasad, President proposed to schedule various activities for students and Faculty to enhance their academic and entrepreneur skills.

**Agenda 4: Discussion about Energy conservation day 14th Dec 21**

**Discussion:** Dr. R. C. Prasad, IIC president gave detailed planning of **Energy conservation day 14th Dec 21**

**Agenda 5: Any other topic with the permission of chair**

**Discussion:** Principal asked all IIC members to give the suggestions. Mr. Raju Narwade suggested to add various coordinator faculty members to execute the ideas.

**The meeting ended with the vote of thanks to all invitees.**

**Following faculty attended the meeting:**

1. Dr J.W. Bakal
2. Dr. R. C. Prasad
3. Dr. G. V. Patil

4. Ms. Rohini Bhosale
5. Dr Mansi Subhedar
6. Dr Manvendra Vashistha
7. Mr. Raju Narawade
8. Dr. M. D. Nadar
9. Dr. G.R. Patil
10. Dr. Divya Chirayil
11. Dr. Shilpa Kewate
12. Dr. Karthik Nagarajan
13. Mr. Sunilsing Rajput

Mahatma Education Society's

**Pillai HOC College of Engineering and Technology, Rasayani**

Action taken report of the IIC meeting held on Saturday Dec 9th, 2021

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	Discussion on IIC activities to be conducted for Quarter 2	All IIC members gave inputs to conduct IIC activities and Updated activities in activity sheet
2	Names of members to be nominated for the Advanced Innovation ambassadors	IIC members who have completed Innovation ambassador certification training were successfully nominated for Advanced Innovation ambassadors
3	Planning of IIC Activities for Quarter 2	With the permission of Principal and IIC president various IIC activities planned for Quarter 2
4	Discussion about Energy conservation day 14th Dec 21	With the permission of Principal and IIC president conservation day schedule finalized and displayed to all student and faculty

  
Dr. G.V. Patil

IIC Convenor

  
Dr R. C. Prasad

IIC President



Dr. J.W. Bakal

Principal



May 18, 2022

**NOTICE**

All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 19 May 2022 at 09:10 am. in Principal Board room.

**Agenda:**

1. To discuss and plan different activities for quarter 3
2. To discuss about Innovative Ambassador training for advanced course
3. To discuss about advertisement of IIC activities
4. Any other item with the permission of Chair

Kindly make it convenient to attend the meeting.



Dr. G.V. Patil

IIC Convenor



Dr R. C. Prasad

IIC President



Dr. J.W. Bakal

Principal

**Pillai HOC College of Engineering and Technology, Rasayani**

**Minutes of the IIC meeting held on May 19, 2022**

The meeting started by IIC Convenor, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

**Discussion:**

1. IIC Convenor proposed to update quarter 3 activities to all IIC members and IIC president proposed to give more emphasis on Calendar driven activities ( 50% weightage, followed by Self Driven 30%,Mandatory MIC Driven 10% followed by Celebration activities)
2. Proposed by Head of institution Dr. J.W.Bakal, IIC Meeting should be held at least twice a month & the Diploma Section should be a part of the meeting and their contributions too should be included in the Quarterly activities
3. Proposed by Head of institution Dr. J.W.Bakal all HOD's shall display the monthly plan of their activities in advance in their respective Departments and send a copy to the Convener IIC for compilation.
5. Manpower deployment from all Departments and Polytechnic Section with their timeline in the Research, Innovation, Incubation & Entrepreneurship Cell situated on the ground floor
6. Proposed by IIC President Dr. R.C. Prasad, In HEIs dissertations are an important component of research and henceforth the faculty should submit the titles of the BE/ME Projects with brief description for discussion/Deliberation in their respective Departments before it is circulated to students without the name of the faculty. Select topics based on Industry requirements. Work together with industry leaders. Each Department should bring a Quarterly Newsletter / Technical open access journals with ISBN
8. Establish CoEs through Research-Innovation -Incubation - New Technology - Training and Connect academia to Industries to bridge the gap with collaborative efforts / Industry Park. The idea should be to publish papers but also to help import substitution of products. To start with the CoEs may be self-funding for initial few years
9. Patent should be demand based and economically viable.
10. Some of the areas for inter Departmental projects may include AM/3DP for Health ( Bone implant/Dental aligners and other implants used in Dentistry)/ Lightweight Materials for Aerospace, Automobile and transportation / Energy Harvesting & Storage Devices and Entertainment Sectors including Toys. This may involve innovative Design/Design thinking / Materials Development & selection/Manufacturing / Market Research for STEM & Electronics based Toys..



**Pillai HOC College of Engineering and Technology, Rasayani**

IRMRA has become a CoE in this Sector and we can take advantage by virtue of our signing a MOU with IRMRA

11. It was decided to create e- Repositories with high quality e-Content for web based learning to supplement and complement the traditional teaching & learning.. It has two components i.e. Educational Content Development by faculty and Program Development by IT Experts.

The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.

The meeting ended with the vote of thanks to all invitees.

**Following faculty attended the meeting:**

1. Dr J.W. Bakal
2. Dr. R. C. Prasad
3. Dr. G. V. Patil
4. Ms. Rohini Bhosale
5. Dr Mansi Subhedar
6. Dr Manvendra Vashistha
7. Mr. Raju Narawade
8. Dr. M. D. Nadar
9. Dr. G.R. Patil
10. Dr. Divya Chirayil
11. Dr. Shilpa Kewate
12. Dr. Karthik Nagarajan
13. Mr. Sunilsing Rajput


**Pillai HOC College of Engineering and Technology, Rasayani**


**Action taken report of the IIC meeting held on May 19, 2022**

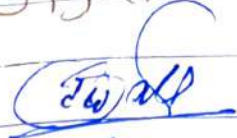
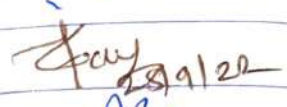
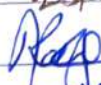

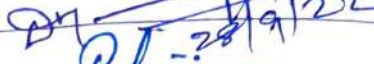

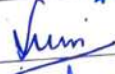
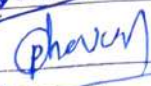






Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	To give more emphasis on Calendar driven activities ( 50% weightage, followed by Self Driven 30%,Mandatory MIC Driven 10% followed by Celebration activities)	Respective department heads and IIC members suggested various activities and updated sheet shared by IIC convener
2	IIC Meeting should be held at least twice a month & the Diploma Section should be a part of the meeting and their contributions too should be included in the Quarterly activities	IIC meeting twice month scheduled in academic calendar.
3	All departments shall display the monthly plan of their activities in advance in their respective Departments and send a copy to the Convener IIC for compilation.	All departments agreed to prepare department academic calendar in-line with institute academic calendar.
4	In HEIs dissertations are an important component of research and henceforth the faculty should submit the titles of the BE/ME Projects with brief description for discussion/Deliberation in their respective Departments before it is circulated to students without the name of the faculty. Select topics based on Industry requirements. Work together with industry leaders. Each Department should bring a Quarterly Newsletter / Technical open access journals with ISBN number.	All departments have procedure to Select MiniProject/BE/ME Projects topics based on Industry requirements. Procedure initiated to bring a Quarterly Newsletter / Technical open access journals with ISBN number.
5	It was decided to create e- Repositories with high quality e-Content for web based learning to supplement and complement the traditional teaching & learning.. It has two components i.e. Educational Content Development by faculty and Program Development by IT Experts	We have established infrastructure in our Institute.
6	The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC. .	IIC members under the leadership of Head of the institution is screening committee for the evaluation of research projects.

  
19/5/22  
Dr. G.V.Patil  
IIC Convener

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W.Bakal  
Principal

Sr.No.	Name of Faculty	Sign.
1)	Dr. J.W. Bakal	
2)	Dr. R.C. Poasad	
3)	Dr. G.V. Patil	
4)	NARWADE RP	
5)	Dr. M.D. Nadar	
6	Rohini Bhosale	
7)	Dr. Mansi Subhedae	
8	Pranita Chavan	
9)	Dr. Shilpa Kewote	
10)	Dr. Divya Churayal	
11)	Dr. G.K. Patil	
12)	Dr. KARTHIK NAHAKARAN	
13)	Dr. B.K. Sarkar	
14)	Sunil Singh Raiput	

**Pillai HOC College of Engineering and Technology, Rasayani**

December 15, 2022

**NOTICE**

All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 15 December 2022 at 12:30 pm. in Principal Board room.

**Agenda:**


1. To discuss about IIC 4.0 result
2. To discuss on nominations and Roles of IIC members for IIC 5.0
3. To discuss on nominations of members, industry and student representatives
4. To discuss plan of IIC 5.0 Activities based on activities shared by MOE, IIC 5.0 for AY 22-23
5. To discuss on ATAL Ranking and NISP Portal update
6. Any other item with the permission of Chair

Kindly make it convenient to attend the meeting.



Dr. G.V. Patil

IIC Convenor



Dr R. C. Prasad

IIC President



Dr. J.W. Bakal

Principal

Principal

**Pillai HOC College of Engineering and Technology, Rasayani**


**Minutes of the IIC meeting held on December 15, 2022**

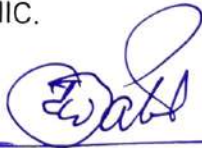
The meeting started by IIC Convenor, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

**Discussion:**

1. IIC Convener shared IIC 4.0 result as IIC @ PHCET secured 3.5 star rating in last year. Principal, Dr. J.W. Bakal appreciated efforts taken by IIC members, faculty and students.
2. IIC president Dr. R.C. Prasad, proposed to give more emphasis on Calendar driven activities (50% weightage, followed by Self Driven 30%, Mandatory MIC Driven 10% followed by Celebration activities).
3. IIC Convener proposed to nominate IIC functionaries, faculty representatives and student representative. It has been decided to nominate industry experts from various disciplines.
4. Proposed by Head of institution Dr. J.W. Bakal all HOD's shall display the monthly plan of their activities in advance in their respective Departments and send a copy to the Convener IIC for compilation.
5. Manpower deployment from all Departments and Polytechnic Section with their timeline in the Research, Innovation, Incubation & Entrepreneurship Cell situated on the ground floor
6. Establish CoEs through Research-Innovation -Incubation - New Technology - Training and Connect academia to Industries to bridge the gap with collaborative efforts / Industry Park. The idea should be to publish papers but also to help import substitution of products. To start with the CoEs may be self-funding for initial few years.
7. President Dr. R. C. Prasad mentioned Patent should be demand based and economically viable.
8. It was decided to create e- Repositories with high quality e-Content for web based learning to supplement and complement the traditional teaching & learning.. It has two components i.e. Educational Content Development by faculty and Program Development by IT Experts.
9. The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.

  
Dr. G.V.Patil  
IIC Convenor

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W.Bakal  
Principal


**Pillai HOC College of Engineering and Technology, Rasayani**

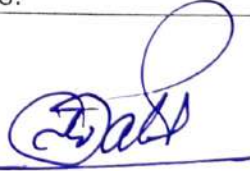
**Action taken report of the IIC meeting held on December 15, 2022**

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	To give more emphasis on Calendar driven activities ( 50% weightage, followed by Self Driven 30%.Mandatory MIC Driven 10% followed by Celebration activities)	Respective department heads and IIC members suggested various activities and updated sheet shared by IIC convener
2	IIC Convener proposed to nominate IIC functionaries, faculty representatives and student representative.	IIC functionaries, faculty representatives and student representatives updated in IIC resolution and same has been successfully uploaded on IIC portal
3	All departments shall display the monthly plan of their activities in advance in their respective Departments and send a copy to the Convener IIC for compilation.	All departments agreed to prepare department academic calendar in-line with institute academic calendar.
4	Research-Innovation -Incubation	All the departments initiated to submit Patents, Publish books, Journals. Faculty publications also initiated in peer reviewed journals
5	It was decided to create e- Repositories with high quality e-Content for web based learning to supplement and complement the traditional teaching & learning.. It has two components i.e. Educational Content Development by faculty and Program Development by IT Experts	We have established infrastructure in our Institute.
6	The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.	IIC members under the leadership of Head of the institution is screening committee for the evaluation of research projects.

  
Dr. G.V.Patil  
IIC Convener

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W.Bakal  
Principal

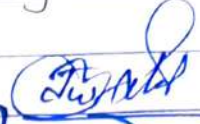


15/12/22

Sr. No. Name of Faculty

Sign.


01 Dr. J.W. Bakal, Principal



02 Dr. R.C. Prasad, President



03 Dr. G.V. Patil, Convenor



04 Dr. L.R. Patil ARHA Coordinator



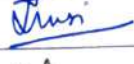
05 Mr. NARWADE RP



06 Dr. Divya Chirayil



07 Dr. Mansi Subhedare



08 Dr. Shilpa Kewate



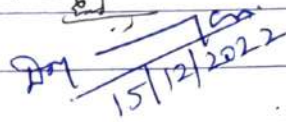
09 Pranita Chavan



10. Ekta Ukey



11 Dr. M.D. Nadar



May 2, 2023

### NOTICE

All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 4 May 2023 at 1:30pm in Principal Board room.

#### Agenda:

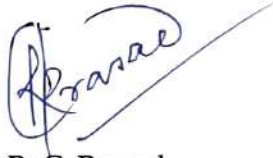
1. To discuss Quarter 3 activities
2. To discuss about Yukti challenge
3. To discuss on ATAL Ranking and NISP Portal update
4. To discuss about Hackathon activity under the banner of IIC as Business plan competition.
5. To discuss about celebration days given by IIC
6. Any other item with the permission of Chair

Kindly make it convenient to attend the meeting.



Dr. G. V. Patil

IIC Convenor



Dr. R. C. Prasad

IIC President



Dr. J. W. Bakal

Principal

Pillai HOC College of Engineering and Technology, Rasayani

Minutes of the IIC meeting held on May 4, 2023


The meeting started by IIC Convener, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

Discussion:

1. IIC Convener shared activities planned for Quarter 3, All the IIC members decided to conduct the scheduled activities.
2. IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities
3. Proposed by Head of institution Dr. J.W.Bakal all HOD's shall display the monthly plan of their activities in advance in their respective Departmental calendar and send a copy to the Convener IIC for compilation.
4. IIC convener, gave overview on Hackthon which is to be conducted under the banner of IIC as a Business plan competition
5. The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.

  
Dr.G.V.Patil  
IIC Convener

  
Dr R. C. Prasad  
IIC President

  
Dr.J.W.Bakal  
Principal

Action taken report of the IIC meeting held on May 4, 2023

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	Activities planned for Quarter 3	All the IIC members decided to conduct the scheduled activities.
2	IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities.	All members have agreed the suggestion and decided to work accordingly.
3	All departments shall display the monthly plan of their activities in advance in their respective Departments and send a copy to the Convener IIC for compilation.	All departments agreed to prepare department academic calendar in-line with institute academic calendar.
4	Research-Innovation -Incubation	All the departments initiated to submit Patents, Publish books, Journals. Faculty publications also initiated in peer reviewed journals
5	IIC convener, gave overview on Hackthon which is to be conducted under the banner of IIC as a Buisness plan competition	Scheduled Buisness plan first review on 3 August 2023
6	The agenda,plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.	IIC members under the leadership of Head of the institution isscreening committee for the evaluation of research projects.



Dr.G.V.Patil  
IIC Convenor



Dr R. C. Prasad  
IIC President



Dr.J.W.Bakal  
Principal



July 4, 2023

**NOTICE**


All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 7 July 2023 at 2:30 pm. in Conclave 2.


**Agenda:**

1. To discuss Quarter 4 activities
2. Discussion on NIRF research innovation Ranking
3. Business Plan round 1 scheduled on 4<sup>th</sup> August 2023
4. IIC activities for Quarter 1 to 3
5. Scheduling IIC activities for Quarter 4
6. Details of Patent applied for AY 23-24 under Kapila Scheme
7. Any other matter with permission of chair

Kindly make it convenient to attend the meeting.

  
Dr. G. V. Patil  
IIC Convenor

  
Dr R. C. Prasad  
IIC President

  
Dr. J. W. Bakal  
Principal

**Pillai HOC College of Engineering and Technology, Rasayani**


**Minutes of the IIC meeting held on July 7, 2023**


The meeting started by IIC Convenor, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

**Discussion:**

1. IIC Convenor shared activities planned for Quarter 4, All the IIC members decided to conduct the scheduled activities.
2. IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities
3. Proposed by Head of institution Dr. J.W. Bakal that all Patents should be reviewed by expert committee.
4. IIC Member Dr. G.R. Patil gave presentation on NIRF research innovation ranking and asked to focus on parameters related to IPR.
5. IIC Member Dr. B.K. Sarkar emphasised on startup through Innovation Incubation cell
6. IIC convenor, gave overview on Hackthon which is to be conducted under the banner of IIC as a Business plan competition
7. The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.

  
Dr. G.V. Patil  
IIC Convenor

  
Dr R. C. Prasad  
IIC President

  
Dr. J.W. Bakal  
Principal

Pillai HOC College of Engineering and Technology, Rasayani

Action taken report of the IIC meeting held on July 7, 2023

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	Activities planned for Quarter 4	All the IIC members decided to conduct the scheduled activities.
2	IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities.	All members have agreed the suggestion and decided to work accordingly.
3	Patent Review	Patent review committee formed and submitted 16 nominations to Kapila Scheme.
4	Research-Innovation -Incubation	How to start "Start up" sessions planned by IIC for quarter 4
5	IIC convener, gave overview on Hackthon which is to be conducted under the banner of IIC as a Business plan competition	Scheduled Buisness plan first review on 3 August 2023
6	The agenda,plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.	IIC members under the leadership of Head of the institution formed screening committee for the evaluation of research projects.



Dr.G.V.Patil  
IIC Convener



Dr R. C. Prasad  
IIC President



Dr.J.W.Bakal  
Principal



- 1) Dr. J.W. Bakal
- 2) Dr. R.C. Prasad
- 3) Dr. G.V. Patil
- 4) Dr. M.D. Nadar
- 5) Dr. Mansi Subhedar
- 6) Dr. Karthik Nageshraj
- 7) Dr. Divya Chirayil

(R) Prasad

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August 2, 2023

**NOTICE**

All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 3 August 2023 at 11:00 am. In chairman Board room (Main Building).

**Agenda:**

1. To discuss Quarter 4 activities
2. Business plan entries
3. Business Plan round 1 scheduled on 10<sup>th</sup> August 2023
4. IIC activities for Quarter 1 to 4
5. Details of Patent applied for AY 23-24
6. IDEA lab proposal
7. Any other matter with permission of chair

Kindly make it convenient to attend the meeting.



Dr.G.V.Patil  
IIC Convener



Dr R. C. Prasad  
IIC President



Dr.J.W.Bakal  
Principal

**Minutes of the IIC meeting held on August 3, 2023**

The meeting started by IIC Convenor, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

**Discussion:**

1. IIC President Dr. R. C. Prasad proposed AICTE-IDEA lab proposal. Proposed by Head of institution Dr. J.W. Bakal on or before 7 th August submit the proposal to AICTE.
2. For effective implementation of IDEA lab, IIC President Dr. R. C. Prasad proposed that chief mentor should be Head of the institution, Chief coordinator of Idea lab is Dr. R.C.Prasad and Convener for IDEA lab is Dr. G.V.Patil.
3. IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities. (Calendar driven activities 50% weightage, followed by Self Driven 30%, Mandatory MIC Driven 10% followed by Celebration activities).
4. IIC convener, Dr. G.V. Patil proposed to submit business ideas under the banner of IIC as a Business plan competition.
5. Head of institution Dr. J.W. Bakal proposed that all departments should submit five business ideas for Business plan competition.
6. Head of institution Dr. J.W. Bakal declared number of patents filed, published and Granted in AY 2022-2023
7. The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.



Dr.G.V.Patil  
IIC Convener



Dr R. C. Prasad  
IIC President

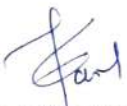


Dr.J.W.Bakal  
Principal

Action taken report of the IIC meeting held on August 3, 2023

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	IIC President Dr. R. C. Prasad proposed AICTE-IDEA lab proposal to be submitted on or before 7 <sup>th</sup> August 23.	AICTE-IDEA lab proposal successfully submitted on 5 <sup>th</sup> August 23.
2	For effective implementation of IDEA lab, IIC President Dr. R. C. Prasad proposed that chief mentor should be Head of the institution, Chief coordinator of Idea lab is Dr. R.C.Prasad and Convener for IDEA lab is Dr. G.V.Patil	Head of the institution agreed and nominated following names for effective implementation of AICTE IDEA lab. Chief mentor : Dr. J.W. Bakal, Principal Chief coordinator : Dr.R.C.Prasad, President IIC Convener : Dr. G.V.Patil
3	IIC president emphasised to all IIC members to give weightage on Calendar driven activities, MIC Driven followed by Celebration activities.	All members have agreed the suggestion and decided to work accordingly.
4	IIC convener, Dr. G.V. Patil proposed to submit business ideas under the banner of IIC as a Business plan competition	Business plan competition scheduled in the last week of August 23
5	Head of institution Dr. J.W. Bakal proposed that all departments should submit five business ideas for Business plan competition	07 Ideas submitted to Yukti and same ideas participated in Business plan competition
6	IIC convener, gave overview on Hackthon which is to be conducted under the banner of IIC as a Business plan competition	Scheduling of Hackthon is in process under the banner of IIC as a Business plan competition
7	The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.	IIC members under the leadership of Head of the institution formed screening committee for the evaluation of research projects.



Dr.G.V.Patil  
IIC Convener



Dr R. C. Prasad  
IIC President



Dr.J.W.Bakal  
Principal

Name of Faculty

28/8/22

- 1) Dr. J.W. Bakal - Principal
- 2) Dr. R.C. Pasad - President
- 3) Dr. G.V. Patil - Convener
- 4) Dr. Mansi Subhedar
- 5) Dr. M.D. Nadar
- 6) Dr. Karthik Nagarajan
- 7) Mr. Raju Nawade
- 8) Dr. Divya Chirayil
- 9) Dr. Rajashree Wadhare

P. S. Patil  
(K. Pasad)  
K. Patil  
Mansi  
M. D. Nadar  
K. Karthik  
R. Raju  
D. Divya  
R. Rajashree

Date: 30/10/23

## NOTICE


All faculty members of Institution's Innovation Council (IIC) are hereby informed that the committee meeting will be held on 01/11/23 at 11.30 pm in Principal Board room.

### Agenda:

1. Confirmation of previous meeting MOM and action taken report.
2. Discussion on enhancing faculty-SME xperts-industry-students- alumni interaction to promote and support R&D / innovation / entrepreneurship / start-ups programs
3. Formation of research forum : 45 minutes presentation by each Department every month/ full text to be published in UGC approved journals/ teaching-learning-research materials to be stored and preserved in digital form on the website
4. Discussion on Nominations and Roles of IIC 6.0 members of various portfolios
5. Department wise planning and allotment of IIC Activities for AY 23-24 for Quarter I
6. Discussion on Hackathon and Business plan competition under IIC banner
7. Nomination of Yukti ideas and Proposals for AY 23-24 for students and faculty.
8. Nomination and registration of Start-ups by Faculty and students in IIC portal
9. To discuss on ATAL Ranking and NISP Portal update
10. Encourage faculty and students to file Patent
11. Any other item with the permission of Chair

  
Dr. G.V. Patil  
30/10/23

IIC Convenor

  
Dr R. C. Prasad

IIC President



Dr. J.W. Bakal

Principal

**Minutes of the IIC meeting held on 01/11/23 at 11.30 pm in Principal Board room.**

The meeting started by IIC Convener, Dr. G.V Patil with welcome of Head of Institution, IIC President and IIC members and following points were discussed in the meeting.

**Discussion:**

1. Confirmation of previous meeting MOM and action taken report.

Dr.G.V.Patil informed that IIC5.0 activities for the Quarter 1 AY 22-23 has been submitted and

Also IIC convener mentioned about consent submitted for IIC mentor institution and consent to host IIC regional meet

2. Discussion on enhancing faculty-SME xperts-industry-students- alumni interaction to promote and support R&D / innovation / entrepreneurship / start-ups programs

Dr. R.C. Prasad, IIC president mentioned importance of industry interaction, alumni interaction to promote and support R&D / innovation / entrepreneurship / start-ups programs

3. Formation of research forum : 45 minutes presentation by each Department every month/ full text to be published in UGC approved journals/ teaching-learning-research materials to be stored and preserved in digital form on the website

It was decided to establish a research forum at the Pillai HOC College of Engineering & Technology with the following aims, objectives and purpose

Organize research seminars of 45 minutes duration by each department every month in hybrid mode and the full text of the paper will subsequently be published after peer review in a journal of the institute or one approved by the UGC.

Dr.Mansi Subedar, Vice chair of the IIC shall coordinate the activities under the aids and advice of a steering committee consisting of the following members: Dr.J.W.Bakal, Principal as the mentor, Dr.R.C.Prasad, President IIC, Dr.G.V.Patil, Convener IIC. The review committee for the abstracts and full texts of the paper shall consist of all the Heads of the Departments or their representatives. Subject matter experts from industries, professional societies and other institutes may be inducted to promote inter department - industries - professional societies interaction and collaboration

It was also decided to establish Makers/Skill development/Manufacturing / Idea Labs and CoE in the core competency areas of each department to promote research based teaching and training.

Training seminars, workshops, clinics, internship & Certificate professional development programs for skilling, reskilling, up skilling should be arranged

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Pillai HOC College of Engineering and Technology, Rasayani

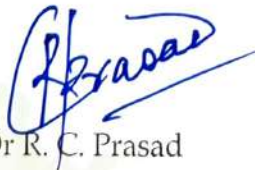
by departments for the students and industry personnel. This will bridge the skill gap and empower them to meet the requirements of the industries at the shop floor.

4. Discussion on Nominations and Roles of IIC 6.0 members of various portfolios  
With the permission of Principal, nominations and Roles of IIC 6.0 members of various portfolios have been decided in the meeting.
5. Department wise planning and allotment of IIC Activities for AY 23-24 for Quarter I  
It is resolved that planning and allotment of IIC Activities for AY 23-24 for quarter 1 to be done department wise.
6. Discussion on Hackathon and Business plan competition under IIC banner  
It is resolved with the permission of chair that Hackathon participants can be promoted to Business plan competition
7. Nomination of Yukti ideas and Proposals for AY 23-24 for students and faculty.  
Yukti ideas and Proposals for AY 23-24 are to be submitted in the month of January 24.
8. Nomination and registration of Start-ups by Faculty and students in IIC portal  
Dr. B. K. Sarkar, IPR coordinator mentioned that four start-ups are ready and same can be updated on IIC portal
9. To discuss on ATAL Ranking and NISP Portal update  
IIC convener requested the activity co-coordinators of ARIA, NIRF, IPR, ATAL, NISP, Internship, social media to contribute to the IIC Calendar / MIC / celebration / self-driven activities & participate in Hackathon & business competitions and collaborate with industries, alumni, professional societies to enhance research-innovation-entrepreneurship, startups.
10. Encourage faculty and students to file Patent  
Dr. J. W. Bakal, Principal mentioned to encourage faculty and students to file Patent  
The meeting ended with thanks to the chair  
Put up for suggestions and approval of the Principal



Dr. G.V. Patil

IIC Convener



Dr R. C. Prasad

IIC President



Dr. J.W. Bakal

Principal



Mahatma Education Society's  
Pillai HOC College of Engineering and Technology, Rasayani

Action taken report of IIC meeting held on 01/11/23 at 11.30 pm in Principal Board room.

Following actions taken based on the discussions in the meeting

Sr. No	Discussion	Action Taken
1	Activities planned for Quarter 1	All the IIC members decided to conduct the scheduled activities before November 23.
2	Formation of research forum : 45 minutes presentation by each Department every month/ full text to be published in UGC approved journals/ teaching-learning-research materials to be stored and preserved in digital form on the website	Dr.Mansi Subedar, Vice chair of the IIC shall coordinate the activities from <del>Jan 24</del> <sup>Nov 23</sup> , under the aids and advice of a steering committee consisting of the following members: Dr.J.W.Bakal, Principal as the mentor, Dr.R.C.Prasad, President IIC, Dr.G.V.Patil, Convener IIC. The review committee for the abstracts and full texts of the paper shall consist of all the Heads of the Departments or their representatives.
3	Discussion on Nominations and Roles of IIC 6.0 members of various portfolios	Nominations and Resolution for IIC 6.0 submitted on portal successfully.
4	IIC convener, gave overview on Hackthon which is to be conducted under the banner of IIC as a Business plan competition	Scheduled Business plan in the Month of January 24
5	Nomination and registration of Start-ups by Faculty and students in IIC portal	All four nomination of start-ups updated on IIC 6.0 portal
	The agenda, plan of action for implementation and evaluation for above shall be accomplished through the screening committee under the IIC.	IIC members under the leadership of Head of the institution formed screening committee for the evaluation of research projects.



Dr. G.V.Patil  
IIC Convener



Dr R. C. Prasad  
IIC President



Dr. J.W.Bakal  
Principal

Name of Faculty

Sign.

Dr. J.W. Bakal, Principal



Dr. R.C. Basal, President JSC

Dr. G.V. Patil, Convener JSC -



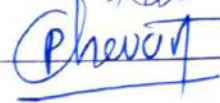
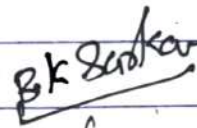
Mr. Raju Norwade

Ms. Roshini Bhasale

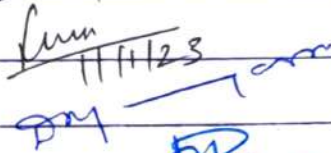


Ms. Pranita Chavan

Dr. B.K. Sarkar



Mansi Subhedar



Dr. M.D. Nadar

Dr. D.Y. Chirayal

Dr. G.R. Patil

