Mahatma Education Society's
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Tel: 02192- 669002
Web: www.phcoa.ac.in   mail: phcoaadmin@mes.ac.in
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Criteria 7: Institutional Values and Best Practices

7.3 Institutional Distinctiveness

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7.3   Institutional Distinctiveness

7.3.1   Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 word

The B. Arch. course at PHCOA is among the first of its kind in this region, designed to meet the critical need for shaping the built environment of a rapidly developing area with consideration of the diverse and threatening challenges of the future.

Since its inception, PHCOA has been striving to provide the best in architectural education, continuously expanding its scope to expose students and faculty to the most innovative thinking in the field, offering value-added courses, student and faculty development programs, and hands-on experiences that build confidence and spark creativity. The College of Architecture is run in a completely inclusive manner, with a fully decentralized and documented decision-making process, and full participation of all stakeholders.

We are distinct, in that we have recognized the fast-changing peri-urban areas of Mumbai, and have addressed the need to bring quality architectural education to this region.

In keeping with our mission and vision we have formulated our curriculum and Co-curricular activities to align with the needs of the times. This is reflected in the following aspects of our institute

- **Creative teaching methods**

We use cutting-edge pedagogy to deliver our curriculum to the students. This includes traditional teaching methods, ICT, hands-on experiential as well as research methods. We also have infrastructure like smart classrooms lecture halls and other ICT.

- **Focus on sustainability**

Students address assignments that focus on sustainability both in the studio as well as firsthand in the management of the campus. Our syllabus trains our students to be socially and environmentally responsible professionals.

- **Strong emphasis on foundational and Practical knowledge**

The syllabus is designed to lay a strong foundation of knowledge base and reinforce the same by exposing the students to practical issues, contexts and problem-solving.

- **Inclusive and equitable environment**

Our students get equal opportunities regardless of their gender/ background to participate in curricular and co-curricular activities. Our campus has a full complement of design

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features to ensure that all students including the specially-abled (Divyaangjan) can utilize the campus to the fullest.

- **Classroom Teaching focused on real-time challenges**

All student assignments are focused on real problems within the context of our location or other parts of the country and are in at sensitising the students towards finding solutions to the many and varied challenges our country faces in terms of its built environment.

We are one of the first architecture colleges in the region that operate out of an integrated campus, and we bring the full benefit of the shared knowledge of the many professional streams to our architecture students. This is completely aligned to our ideology of holistic education, and creating mature and ethically conscious citizens from our students.

We share our campus with the following sister institutes:

- Mahatma Education Society's HOC Junior College of Science & Commerce

- Pillai HOC College of Arts Science and Commerce,

- Pillai HOC College of Engineering,

- Pillai Institute of Management Studies and Research and

- Pillai HOC Polytechnic

As a result of this shared proximity with other institutes, our students have benefited from many facilities and experts, otherwise not available to most other colleges. We also have the distinct advantage of offering our students better exposure through the various events and programs organized on our campus by our sister institutes.

Some specific examples of our distinctive shared expertise are as under.

3D Printing Lab/ Simulation lab

Our campus has one of the first and best-equipped 3D printing labs in the region. Our students can get their creative ideas and prototype models printed at a cost price.

Carpentry Workshop:

Our students gain valuable hands-on experience by using the carpentry workshop located in the engineering department. This is an important and often neglected part of architectural education.

Material Testing Lab:

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We are one of the few institutes that have access to advanced testing equipment and experts for construction materials. Our students routinely use testing facilities to get a firsthand feel of engineering materials like concrete.

Sports and Other Facilities:

Our students can access state-of-the-art sports equipment and gymnasium facilities.

Pillai's ISRO Outreach Network Institute:

Apart from the shared facilities described above, our institute is also unique in being associated with prestigious organisations like IRSO, with whom we have initiated the Pillai's ISRO Outreach Network Institute. This allows our students to access the vast expertise of ISRO in the areas of remote sensing and GIS technology, through a large number of free courses.

Pillai HOC Research and development Cell

Our Institute also benefits from the Research and Development Cell which is an initiative to create a vibrant local innovation ecosystem, a start-up supporting mechanism, establish a functional ecosystem for scouting ideas and pre-incubation of ideas and to develop the better cognitive ability for technology students. The cell is actively involved in organizing and conducting various seminars, workshops, and Idea competitions for students and faculty. This has resulted in several patents filed by faculty and students.

Campus Cultural Fests

At PHCOA the campus cultural festival (inter-departmental) serves as a platform for amalgamation of culture, talent and teamwork. These collaborative initiatives foster team building, brainstorming and consistent hard work in our students. The students are also exposed to an array of interactions and management tasks where the students learn a great deal of knowledge. This also helps them to push their boundaries, explore their talents and boost self-confidence

Campus fests like JALSA, SHIVJAYANTI, and EUPHORIA, to name a few, unite the students and work together as a community.

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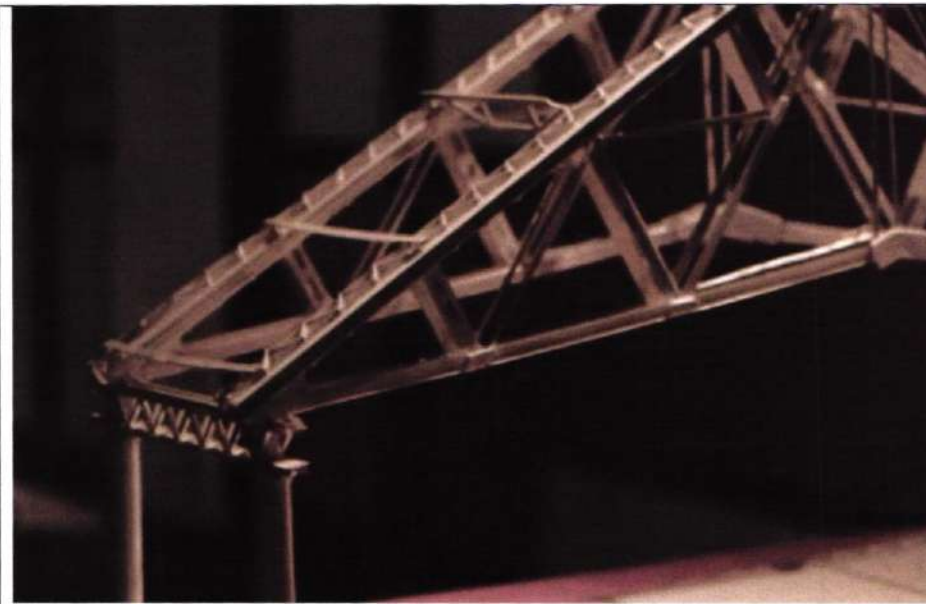Tel: 02192- 669002
Web: www.phcoa.ac.in   mail: phcoaadmin@mes.ac.in

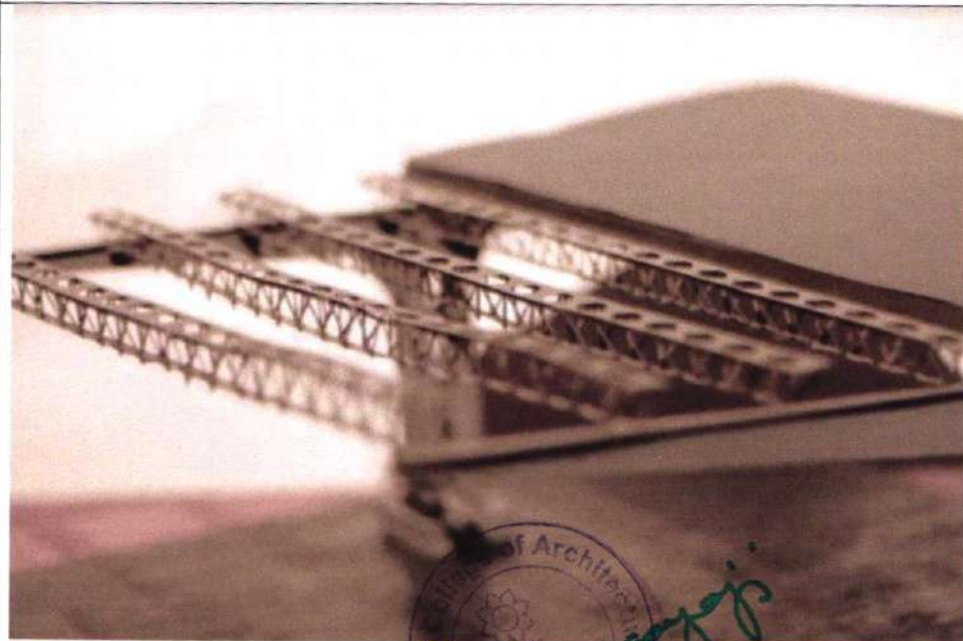Approved by COA, Government of Maharashtra and Affiliated to University of Mumbai   **Inst. Code- AR3427**

1) 3D Printing Lab/ Simulation lab

Academic curriculum requires the students to make scaled models and they utilise the facility located in the engineering department premises. The students also use the laser cutting machine to deal with the material in precision.

Lazer cut Truss models by students of fourth semester

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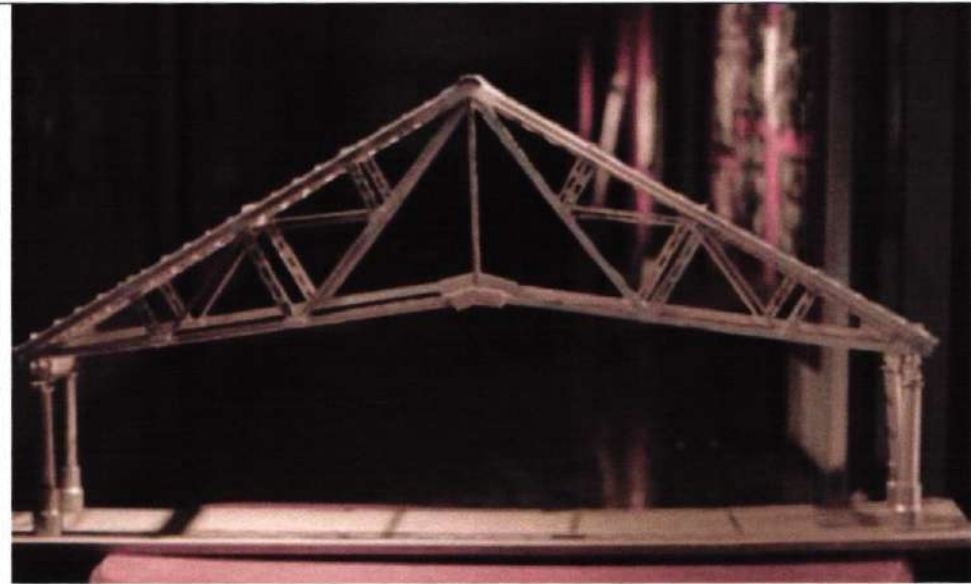Tel: 02192- 669002
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The students made models of trusses as part of Architectural building construction

Design Model of 5th year student Gaytri Patil.

The simulation lab is very effectively used by PHCOA

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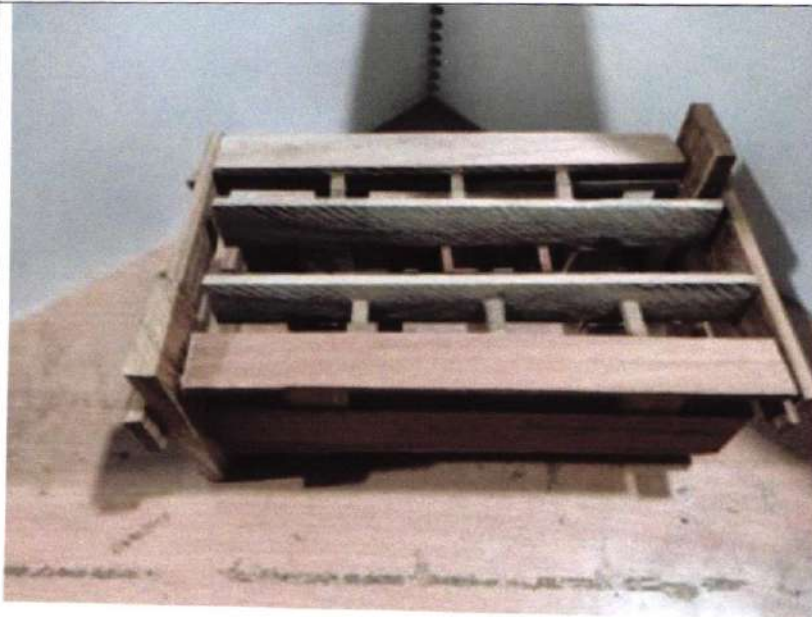
2) Carpentry and Model making Workshop

Pillai Hoc Campus has a fully equipped Carpentry and Model making workshop and this facility is shared with other departments.

Architecture curriculum requires making of study models as part of subjects like Architectural design, Interior design, college projects, and electives.

Carpentry workshop

Model by 1st year Students

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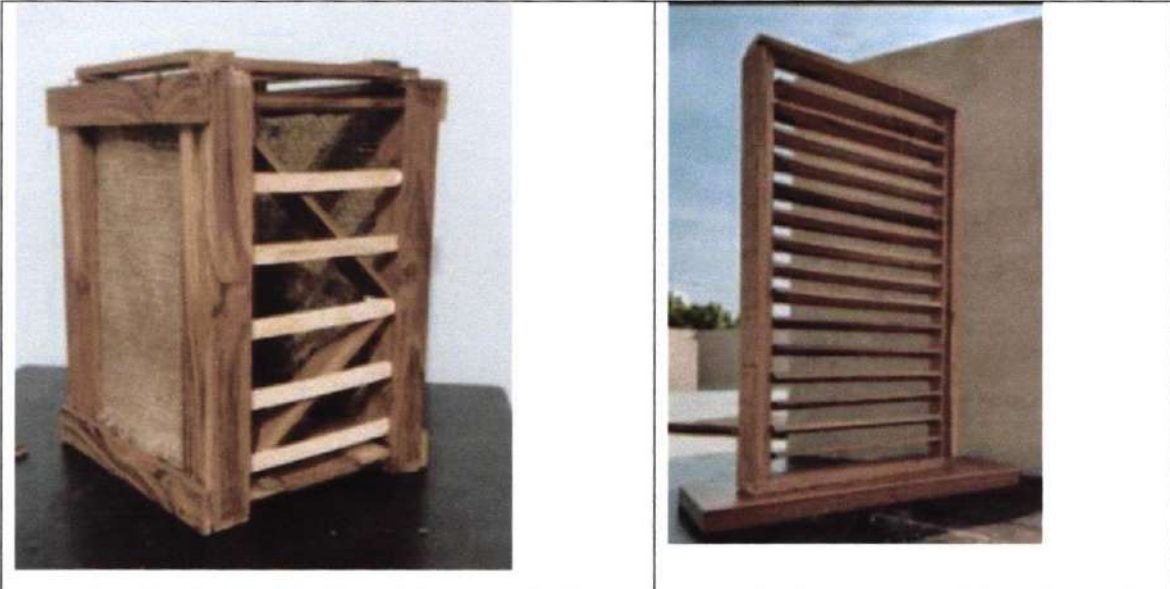
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1st year students' carpentry models as part of Architectural Building Construction (AY 2022)

Under the guidance of Mr Kedar Shinde and Prof. Abhishek Chakraborty, the students of second semester worked on the wooden joinery used in timber construction.

Few types of wooden joinery demonstrated by students in the carpentry workshop

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3) Material Testing Lab

The material testing lab consists of all machines and equipment which are required for conducting various tests related to materials required for construction.

Fourth semester students conducted an experiment to test the compressive strength of concrete blocks. The experiment included making of concrete blocks by mixing concrete and pouring it into the moulds. The blocks were dried and cured for 28 days and readings were taken by the compression testing machine in the material lab.

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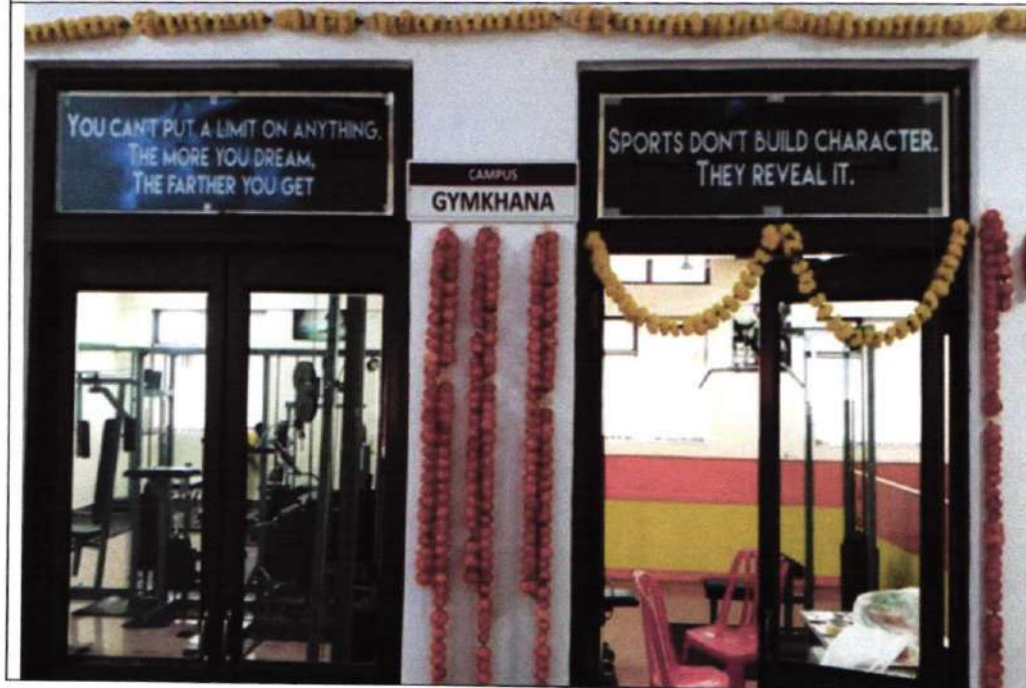Web: www.phcoa.ac.in   mail: phcoaadmin@mes.ac.in

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4) **Gymnasium and other sports Facilities**

Full-fledged Gymnasium with Modern Equipment is open to all the departments. Girls and boys have different time slot for workout.

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Playground where all the athletics practice and events take place. The playground also acts as an arena for Cricket and Football matches.

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Students participate interdepartmental championships matches as part of extra-curricular activities.

The inner turf is a common area for games and tournaments

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The sports room where all indoor games take place is a shared facility

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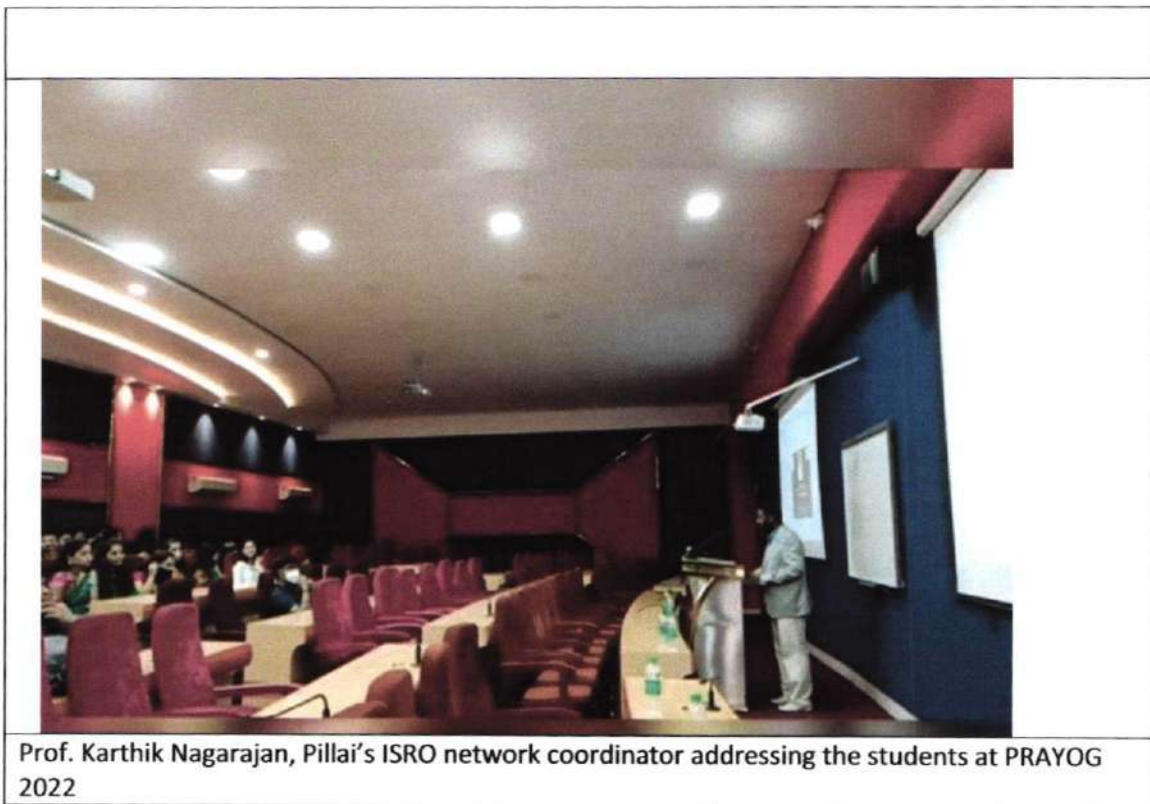Approved by COA, Government of Maharashtra and Affiliated to University of Mumbai   **Inst. Code- AR3427**

5) ISRO Pillai's Out Reach network institute is at Pillai's HOC college of Engineering

Pillai HOC College is a ISRO   outreach Centre.

Institute is used for capacity building to improve technical knowledge about remote sensing, GIS and geospatial technologies. Students get an opportunity to upskill themselves with latest technologies using satellite, GIS for various applications in environmental studies, disaster management and various other infrastructural domains.

The students get an opportunity to enrol and complete various courses offered by ISRO.

Prof. Karthik Nagarajan, Pillai's ISRO network coordinator addressing the students at PRAYOG 2022

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Mahatma Education Society's
Pillai HOCL Educational Campus , Rasayani
Welcomes you all
Indian Space Research Organisation (ISRO)
SPACE ON WHEELS EXHIBITION
on 14th and 15th December 2022
(10:00 am to 04:00 pm)

FREE ENTRY

Chandrayaan-1

Chandrayaan-2

Second Launch PAD

First Launch PAD

Remote Sensing

FREE ISRO Certified courses Join this group for more details

Free ISRO Courses * Contact Dr.Karthik Nagarajan – 8779 605 643 (Pillai ISRO Outreach Network Coordinator)

14th – 15th December 2022: Space on wheels exhibition open for all students. The bus consisted of exhibits of models of ISRO Projects.

Architecture students receiving certificates of ISRO course.

< ISRO Pillai's Outreach Network Instit...

ISRO Pillai's Outreach Network Institute · Follow
24 Jan 2019

Certificate Distribution Ceremony (24th Jan 2019):-
Name of Programme: 37th Course on 'Remote Sensing and Digital Image Analysis'
In an historic event, today, we felicitated 260+ students with certificates for successful completion of course! The programme received a tremendous response from students of various disciplines.
Here are those moments in pictures!

#pillaisro #IPONI #pillaihoccollege #pillaicollege #indianinstituteofremotesensing #iirs #isro #remotesensing #space #astronomy #gis #spacescience #rasayani

Karthik N Iyer and 16 others   1 comment · 4 shares

Like   Comment   Share

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6) Pillai HOC Research and development cell

PHCOA has a detailed policy in place to encourage and support new initiatives,

innovations and startups. It offers simple, expedited pathways for implementing fresh ideas and bringing them into the marketplace. It supports inventors by assisting in the patenting process and expediting the care and development of novel Intellectual Property. As a result of this policy, a total of 13 patents have been filed till date.

12 Faculty patents and 1 student patent.

Pre-incubation and incubation facilities for nurturing innovations and startups are provided at PHCOA. Faculty supports an Innovation Cell, a Startup Cell, Student Clubs, and encourages incubation acceleration by mobilizing resources from internal and external sources. Special measures are taken to encourage and accommodate student and faculty entrepreneurs. A policy is in place to clarify product ownership rights.

Events and workshop

1) **Entrepreneurship and ideation**

2) **Problem solving and ideation**

3) **IPR (intellectual Property rights)**

Business Plan Competition

Every year Pillai Centre of Innovation and Entrepreneurship conducts a business plan competition across all MES institutes, which was launched in 2016. Students are encouraged to form teams, develop their ideas, refine their business plans and finally pitch their start-ups to various venture capitalists, business founders at the end of the competition.

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PILLAI CENTRE OF
**INNOVATION AND
ENTREPRENEURSHIP**

BUSINESS PLAN
COMPETITION 2022-23

- An opportunity to convert your unique idea into a business!!
- A chance to launch your own startup!!!
- The Pillai Centre of Innovation and Entrepreneurship is back with its flagship Business Plan Competition with a prize money of Rs. One Lakh.
- Register for the competition on the link given in the poster.
- This competition is only for students studying in Institutions under Mahatma Education Society's Pillai Group of Institutions.
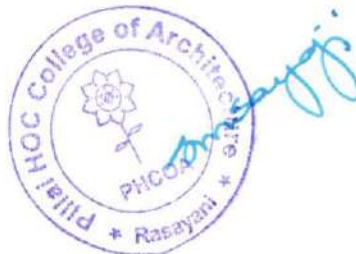
CONTACT DETAILS

Prof. Hemant Patil
PHCET (9028626803)
Prof. Sejal Malusare
PHIMSR (8552973731)
Prof. Vinit Murali
PHCASC (9769504527)
Prof. Amit Kadam
PHCOA (99875 92960)
Prof. Celina Joy
PCIE (9833709566)

₹
.1 LAKH.
PRIZE

REGISTRATION

Register for free here :
bit.ly/PillaiBusinessPlan

For detailed rules &
information visit :

🌐 **pcie.mes.ac.in**

Last date for
registration -

25th August 2022

Event Poster

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Poster for PHCOA

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List of Patents filed by PHCOA Faculty and Students:

Patents filed per teacher during last five year					
SI. No.	Name of the teacher	Title of patent	Patent number	Year of filing	Stage of file
1	Renuka Kuber Wazalwar	Cement Bag Carrier	202321012403	2022-23	Under Examination
2	Renuka Kuber Wazalwar	Insect Free Dry Storage	202321012404	2022-23	Under Examination
3	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Special Switch with Lock Unlock Slider Button and Warning Buzzer.	202321016518	2022-23	Filed
4	Abhishek Chakraborty	Ecosystem Board Game for Environmental Education	202321012402	2022-23	Published
5	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Door Key Head with Built in LED Light.	202321016520	2022-23	Filed
6	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Mosquito Killer Lamp for Cars	202321016517	2022-23	Filed
7	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Battery Level Indicator and Warning system in Wireless Bluetooth Mouse.	202321016516	2022-23	Filed
8	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Indian and International Multilingual Touchpad Keyboard Device.	202321016521	2022-23	Filed
9	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Dhan E passbook Tablet Device with Biometric Interface.	202321016515	2022-23	Filed
10	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Home Bathroom Water Heater or Geyser Alarm	202321027106	2022-23	Filed
11	Prof. Amrut Deshpande, Abhishek Chakraborty, Renuka Kuber Wazalwar, Prof. (Dr.) B. K. Sarkar	Woven Bamboo Hard Hat with Neck Protection for Light Work	202321027101	2022-23	Filed
12	Meghana Sawant- Parab	Battery Backup for Bicycle Light based on Paddling motion	202321013941	2022-23	Published
13	Hardik Dukare, Pratika Patil	Smart Farming using IoT.	202321037284	2022-23	Filed

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7) Campus Cultural Fests

The Campus Cultural fest is held in order to create a platform for the students to showcase their talent and bring about a harmonious participation of all the departments of Pillai HOCL educational campus. It also promote student welfare and collaborations with fellow students and community building.
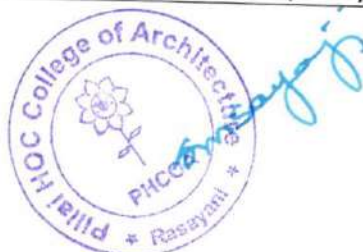
These campus Fest hosts various Competitions and contest like Fashion Show, Dance, Singing, and other performances. Both stage and non-stage competitions are held showcasing innumerous talents of our students

It is a celebration which brings all the students together and made this event a grand success. This event is all about sharing Happiness, Celebration, and Knowledge." During this fest, the students showcase their talent by participating in various non-stage and stage events and also coordinate different events e.g. singing, dancing, Mr. and Ms. Euphoria, reels, fashion show, neon cricket, bench press, table tennis, etc.

This fest makes an impact on everyone's hearts and uplifts the ambiance of the campus to a new level altogether. The event has grown into a huge sensation since the day of its commencement receiving overwhelming response and popularity. This fest has been getting bigger, better and greater every year and setting high standards for the years to come.

PHCOA Students working for the event installations (2023)

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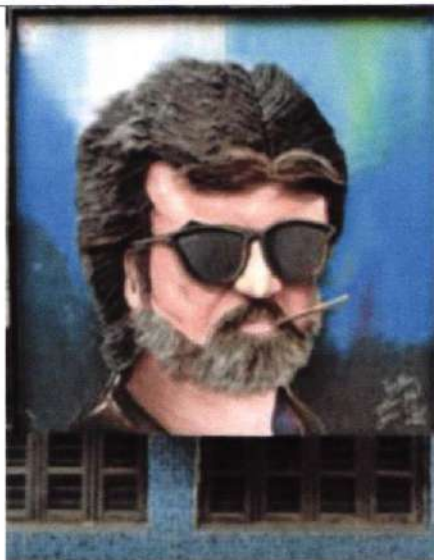Tel: 02192- 669002
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PHCOA Students work for the event installations(2018)

Celebration Annual college fest at the central lawn (2019), PHOCL educational Campus.