



Institution's Innovation Council

Report for Academic Year 2019-20



PCE has established Institution's Innovation Council (IIC) as per the guidelines of 'MHRD's Innovation Cell (MIC)' to create a vibrant local innovation ecosystem, Start-up supporting Mechanism, Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas and Develop better Cognitive Ability for Technology Students. PCE IIC is actively involved in organising and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship bootcamps, Idea competitions etc.

The first council meeting of Institution's Innovation Council (IIC), Pillai College of Engineering was called by IIC President Dr Priam Pillai on 1st July, 2019 to discuss upon the formulation and function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell.

IIC Member Details

Faculty Members	Member Type	Role on Committee
Dr Sandeep Joshi	Faculty	HOI, Convener
Dr Priam Pillai	Faculty	President
Dr Avinash Vaidya	Faculty	ARIIA Coordinator, NIRF Coordinator
Dr P S Goyal	Faculty	IPR Activity Coordinator
Dr. Sharvari Govilkar	Faculty	Member
Dr. Arun Pillai	Faculty	Member
Dr Richa Agrawal	Faculty	Startup Activity Coordinator
Dr Prashant Lokhande	Faculty	Internship Activity Coordinator
Dr Onkar Sahastrabude	Faculty	Innovation Activity Coordinator
Mr Lalit Mehta	Faculty	Social Media Coordinator
Dr Celina Joy	External	Member: Incubation Center
Susanna Cherian	External	Member; Incubation Center
Akshay Gangadharan	Student	Innovation Coordinator
Aditi Jaiswal	Student	Startup Coordinator
B. A. Preetam	Student	Internship Coordinator
Vaishya Vivek Kumar	Student	IPR Coordinator
Harshita Pujari	Student	Member
Vijay Sharma	Student	Social Media Coordinator
Franav Pillai	External	Entrepreneur



The council members met and discussed the objective of IIC, type of activities (IIC calendar and Self-Driven), features of IIC portal for monthly report submission mechanism. The council members also discussed collaborations with organisations to accelerate the activities of IIC. The council also deliberated on a quarterly action plan in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up. The council unanimously decided to carry out all the IIC activities on a regular basis throughout the year and meet regularly in the beginning of every quarter to review the progress made in the previous quarter and also to plan for the upcoming quarter.

The activities carried out in each quarter are tabulated below.

Quarter I

Activity	Date	Link
NEAT Logo Contest	25 th October, 2019	
Innovation Day Campaign – Maker’s Day	28 th September, 2019	Social Media Link
Industrial Visit to JNPT, Uran - Field/Exposure Visit to Village/Society /School/Industry/Market – Identity real Life Problem	26 th September, 2019	Social Media Link
Career Opportunities for Engineers in Defense Services	20 th September	Social Media Link
Engineer’s day - My Story - Innovator’s Life & Crossroad Motivational Speak - To be Share by Innovators	16 th September, 2019	Social Media Link
Visit to Advantek Air Systems Pvt. Ltd.	14 th September, 2019	Social Media Link
Idea Generation Workshop	28 th August, 2019	Social Media Link
Entrepreneurship Summit Organized with IWFCI - My Story - Entrepreneur’s Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	21 st August, 2019	Social Media Link
Formulate Council, Upload of 1st Quarter Action Plan with Minutes of Meeting of Council	6 th August, 2019	



Idea Generation Workshop



Dr. Priam Pillai conducted an “Idea Generation Workshop” on 28th August 2019 at Conclave for members of the Entrepreneurs Club. About 150 students attended this workshop. Dr. Pillai emphasised on the concept of entrepreneurs being problem solvers and urged the students to collaborate and work in teams with students from different streams to be able to find solutions to problems. It was an interactive session and appreciated by the students.

Career Opportunities for Engineers in Defense Services



A talk on “Career Opportunities for Engineers in Defence Services” was organized by PCE on 20th Sept 2019. The speaker for this event was Mr. Ramanuj Singh, who has been selected in Indian Army through SSB exam.



Quarter II

Activity	Date	Link
UoM Minor Research Project Exhibition	16 th December 2019	Social Media Link
Workshop on Industrial Internet of Things	9 th - 14 th December	Social Media Link
Makerthon	13 th November, 2019	Social Media Link
Workshop on Lean Canvas Model, RedBull University Challenge Launch - Organise a Product Design/ Design Thinking Workshop at Campus	18 th October, 2019	Social Media Link
Industrial Visit to ARAI - Field/Exposure Visit to Design Centre/Makers' Space/FabLab/Prototype Lab/Tinkering Lab etc	12 th October, 2019	Social Media Link
INSPIRIA - Product Development Phases - Storytelling (Innovators in Campus)	12 th October, 2019	Social Media Link
Visit To Safe A&T Technology Pvt.Ltd	12 th October 2019	Social Media Link
Industrial Visit to Doordarshan	10 th October, 2019	Social Media Link
Plastic Awareness Drive	5 th October, 2019	Social Media Link
Organised the council meeting and Uploaded the 2 nd Quarter action plan along with a meeting of minutes.	1st October, 2019	

UoM Minor Research Project Exhibition

17 faculty members of PCE have successfully completed Minor Research Projects sanctioned by University of Mumbai under Minor Research Grant 2018-19. These 17 members have presented their projects in the form of posters at Convocation Hall, University of Mumbai, Fort Campus on 16th December 2019 along with more than 200 participants. #PCE is the second largest engineering institute referring to the number of faculty members who received the minor research grant in AY 2018-19.



Faculty at Convocation Hall, University of Mumbai, Fort Campus
Makerthon

MAKERTHON 2019 was organized by Pillai College of Engineering in association with MHRD Innovation Cell, Indian Society for Remote Sensing and Homi Bhabha Centre for Science Education. The event witnessed over 100 schools and colleges participating. In accordance with MAKERTHON's theme of 'Clean Environment, Green Energy' the participating teams were given the topics of 'Water Purification' and 'Electricity Generation'. In the valedictory function, Dr.S. Basu (Dean, Homi Bhabha National Institute) spoke about the aptness of the chosen topics with the current *energy* and *environment* situation and emphasized on the tradeoffs between the two.





PRIZE Prizes Worth **Rs. 1 Lakh** to be Won

For School & Junior College Category

CONTACT

Prof. Anup M. Vanage	8898318819
Prof. Ameet M. Mehta	9702962791

REGISTRATION

Kindly fill in the registration form and submit a copy of School/College Identity card.

ADDRESS

Mahatma Education Society's
Pillai College of Engineering (PCE)
Dr. K.M. Vasudevan Pillai Campus, Plot No 10, Sector 16, New Panvel – 410206.

PHONE:- 022-27456030/1700/6100

Visit us at www.pce.ac.in

Mahatma Education Society's
PILLAI COLLEGE OF ENGINEERING

LEARN
THINK
CREATE

MAKERTHON

For School & Junior College Students

Gates open on **13 NOV 2019**

"An Event for budding innovators to create and exhibit their innovations".

In Association With

About Pillai College of Engineering

Courses Offered

Computer Engineering	Information Technology
Electronics Engineering	Electronics and Telecommunication Engineering
Mechanical Engineering	Automobile Engineering

- Approved by AICTE
- Affiliated to University of Mumbai
- Reaccredited by NBA
- World Class Infrastructure
- Ranked 2nd by top MNC's
- Best Placement Opportunities
- MOU's with top MNC's
- University Toppers
- Best college festival
- Hands on sessions and Project Based Learning
- Industry Interactions
- Foreign Affiliations
- World class technical and cultural events
- Engineering football and cricket league

Our Mission
To develop professional engineers with respect for the environment and make them responsible citizens in technological development both from an Indian and global perspective. This objective is fulfilled through quality education, practical training and interaction with industries and social organizations.

About Makerthon

Makerthon is an event that gives a platform for budding innovators to create and exhibit their Innovations. The organizers would explain the problem and seek solution from the students participating in the competition. The students have to design and develop the viable operating model and exhibit their model to scale the solutions and present their elevator pitches in front of panel of esteemed invigilators. The invigilators would judge the best operating model and the participants would be rewarded at the end of competition. Makerthon would make the students Learn, Think and Create the possible solutions to the problems devised by the organizers.

General rules for the Makerthon

- Entry fees per team is Rs.50/-.
- Last date of registration is 5th November 2019.
- The team members should be from same school/college.
- Maximum 4 members and a Teacher in a Team.
- The team should solve the given problem and develop a working model in stipulated time.
- Mentors will be provided to teams to help them throughout their journey.
- The innovation presented will be the property of the team and the Institution will have no ownership towards it.
- Participants should agree with terms and conditions set by organizers

Schedule of the Event

Sr. No	Event	Time	Venue
01	Registration	9:00 AM to 9:30 AM	Reception
02	Inaugural Function and orientation	9:30 AM to 10:30 AM	7 th Floor Auditorium
03	Brainstorming Session for all teams	10:30 AM to 11:30 PM	Multiple Venues
04	Makerthon Competition	11:30 PM to 3:30 PM	Multiple Venues
05	Judging Round	3:30 PM to 4:00 PM	Multiple Venues
06	Valedictory Function	4:00 PM to 5:00 PM	7 th Floor Auditorium

Packaged food will be provided to all participants. They can have it during competition as per their convenience. Tea/Coffee will be made available at the competition venue.

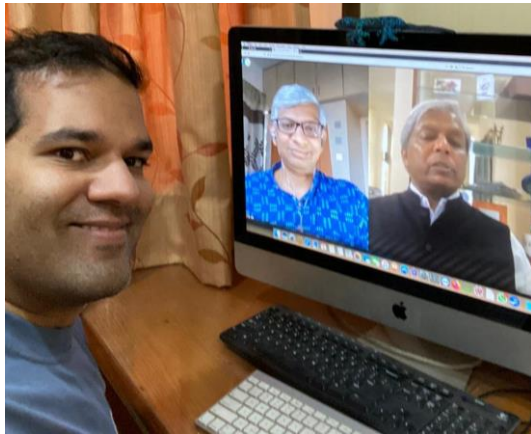


Quarter III

Activity	Date	Link
Leadership talk with Ms. Shradha Sharma, Founder, and Chief Editor, YourStory.com	14 th April, 2020	Link to Talk
Leadership talk with Dr. Anand Deshpande, Founder, Chairman & Managing Director, Persistent Systems Ltd	15 th April, 2020	Link to Talk
Leadership talk with Dr. VK Saraswat, Member NITI Aayog.	13 th April, 2020	Link to Talk
Leadership talk with Mr. Abhishek Singh, CEO, My Gov.	11 th April, 2020	Link to Talk
Leadership talk with Prof. Partha Chakraborty, Chairman National Digital Library, Ex-Director, IIT Kharagpur	10 th April, 2020	Link to Talk
Leadership talk with Prof. Anil D. Sahasrabudhe, Chairman, AICTE	9 nd April, 2020	Link to Talk
Leadership talk with Prof. K Vijay Raghavan, Principal Scientific Adviser, Government of India	8 th April, 2020	Link to Talk
Leadership Talk with Mr. Abhishek Suryawanshi, Director, Wikipedia Swastha	7 th April, 2020	Link to Talk
One Day Awareness/Mentoring Session on the campus or Online session by Dr Sanjeeva Kumar Majumdar Manager-IPR, StartUp & Incubation, Dr. N. K. Mohanty and Mr. Suneet Sabale	17 th Feb 2020	Social Media Link
Online Session 3: "Hangout with Emerging Innovator & Entrepreneurs Supported through MIC & AICTE" Speaker: 1. Ms. Vandana Thakur Female Innovator cum Entrepreneur, Canada India Acceleration Program 2020, L M College of Pharmacy, Ahmedabad, 2. Mr. Amit Sanjay Lokhonde Innovator Cum Entrepreneur, India-South Korea Startup Exchange Program 2020 Institute of Chemical Technology, Mumbai	30 th April, 2020	YouTube Session Link
Online Session 10: Legal and Ethical Steps – Productive Entrepreneurship and StartUp Speaker: Mr. Harit Mohan Founder & CEO Signicent LLP (India) & Signicent LLC (USA)	12 th May, 2020	YouTube Session Link
Online Session 14: Idea, business model and business plan Speaker: Dr. Satya Ranjan Acharya Associate Professor, EDII,	19 th May, 2020	YouTube Session Link



Ahmedabad, Gujarat . Amit Dwivedi Associate Professor, EDII, Ahmedabad, Gujarat.		
Field trip to design studio/maker space - CIBA	24 th Jan 2020	Social Media Link
Organised the council meeting and Uploaded the 3rd Quarter action plan along with a meeting of minutes.	7 th January, 2020	
Workshop on Android Application Development Fundamentals	8 th March, 2020	Social Media Link
Workshop and Career Guidance on Electric Vehicle	4 th March, 2020.	Social Media Link
IOT workshop	10 th August, 2020	Social Media Link
Training/Workshop on Embedded System Design and Internet of Things at L & T Corporate-Technology and Engineering Academy, Madh Campus.	6 th – 7 th February, 2020	Social Media Link
Science Day	7th March 2020	Social Media Link



Leadership talk with Prof. K Vijay Raghavan Chakraborty



Leadership talk with Prof. Partha



Leadership talk with Dr. Anand Deshpande



Leadership talk with Mr. Abhishek Singh



Online Session: Ms. Vandana Thakur & Mr. Amit Sanjay Likhende



Quarter IV

Activity	Date	Link
Leadership Talk with Shri Dipendra Manocha who talked about Startup opportunities in accessibility space	27 th June, 2020	Youtube Link to Talk
Leadership Talk with Shri Shridhar Venkat CEO, Akshaya Patra foundation who talked about opportunities for youngsters not only at Akshaya Patra but also in social entrepreneurship. AP is the world's biggest midday meal scheme.	20 th June, 2020	Youtube Link to Talk
Organised the council meeting and Uploaded the 4 th Quarter action plan along with a meeting of minutes.	15 th June, 2020	
Leadership Talk with Shri R Subrahmanyam, Secretary, Ministry of Social Justice and Empowerment who talked about various opportunities students/faculty have in Social Entrepreneurship	13 th June, 2020	Youtube Link to Talk
Leadership Talk with Shri Mahesh Babu, CEO, Mahindra Electric Mobility Ltd. Shri Mahesh Ji who discussed opportunities in the auto-sector in the post-COVID-19 world	23 rd May 2020	Link to Talk
Online Session 17: Interaction with Student Innovators and Entrepreneurs from Smart India Hackathon (SIH) , Speaker: Pulkit Jain, Team - Vidyut Lokesh Goswami, Team - SLICK Arpit Nandi, Team Quarks & Leptons	22 nd May, 2020	YouTube Session Link
Online session 16 : Frugal Innovations and Social Entrepreneurship Speaker: Dr. Raman Gujral Professor EDII, Ahmedabad, Gujarat	21 st May, 2020	YouTube Session Link
Online Session 15: Use of Market Data and Application of Marketing Research Tools and Methodology – Advance Level Speaker: Dr. Preet Deep Singh AVP, Invest India	20 th May, 2020	YouTube Session Link
Leadership Talk with Dr. Pramod Chaudhari, Founder & Chairman, Praj Industries	16 th May, 2020	Link to the Talk
Online Session 13: Innovation Risk Diagnostic — Product Innovation Rubric (PIR) Speaker: Dr. Lakshmi Meera Program Director, Forge incubator	15 th May, 2020	YouTube Session Link
Online Session 12: Understanding Role and Application of Marketing Research at Idea to StartUp Stage - Foundation Level Speaker: Dr. Preet Deep Singh AVP, Invest India	14 th May, 2020	YouTube Session Link
Online Session 11: Innovating Self- Screen and Identify right opportunities Speaker: Prof. Sanjay Inamdar Entrepreneur and Founder of Flucon MIT, Harvard, and Carnegie Mellon alumni Chairman, AICTE	13 th May, 2020	YouTube Session Link



StartUp Policy Implementation Committee		
Leadership Talk with Prof. D. P. Singh, Chairman	9 th May	Link to the Talk
Online Session 9 Understanding Angel and Venture Capital Funding Speaker: Mr. Sushanto Mitra CEO, Lead Angels Pvt. Ltd	8 th May, 2020	YouTube Session Link
Online Session 8 Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups Speaker: Dr. Sanjeeva Kumar Majumdar Manager, IPR, StartUp & Incubation National Research Development Corporation (NRDC)	7 th May, 2020	YouTube Session Link
Online Session 7: How to Identify Right Problem and Solution using the Double Diamond Approach in Design Speaker: 1. Prajakta Kulkarni Founder, Director, Nodes Pvt. Ltd. 2. Sanket Inamdar Co-founder, CEO, Nodes Pvt. Ltd	6 th May, 2020	YouTube Session Link
Online Session 6: Entrepreneurial Motivation -Empathy and Business Idea -Business Model Canvas Speaker: Dr. Sunil Shukla Director General , EDII, Ahmedabad Dr. Amit Dwivedi Associate Senior Faculty, EDII, Ahmedabad Mr. Mayank Patel CEO, Cradle, Incubator, EDII, Ahmedabad	5 th May, 2020	YouTube Session Link
Online Session 5: Hangout with Successful Startup Founder and Learn Design thinking Approach for Hardware Innovation Speaker: Dr. Pankaj Pararsar, CEO/Founder Cuttingedge Technology Pvt. Ltd, Indore	4 th May, 2020	YouTube Session Link
Leadership Talk with Dr. Madhuri Kanitkar, Lieutenant General who is the only 3rd women to become 3 Star-General in India Arm Forces	2 nd May 2020	Link to the Talk
Online Session 4: "Role of Network Enablers in driving I&E in HEIs - A Case of TiE, India" Speaker: Ms. Geetika Dayal Executive Director , TiE Delhi-NCR	1 st May, 2020	Youtube Link
Online Session2: "Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage" Speaker: Mr. Muthu Singaram, CEO, IIT Madras HTIC Incubator,	29 th April, 2020	YouTube Session Link



MTI, Chennai / VibaZone,		
Leadership Talk with Dr.BVR Mohan Reddy, Chairman Cyient & Ex-Chairman NASSCOM about silver lining for industry in #Covid crisis.	27 th April, 2020	Link to the Talk
Leadership Talk Mr. Gautam Bambawale, Ex-India's Ambassador to China on how this Covid crisis offers a unique opportunity for India vis-à-vis China.	23 rd April, 2020	Link to the Talk
Leadership Talk with Padma Shri, Vaidya Rajesh Kotecha, Secretary Ministry of Ayush, Govt of India	22 nd April, 2020	Link to the Talk
Online Session1: National Innovation and Startup Policy for Students and Faculty 2019- A Guiding Framework for HEIs for Implementation Speaker: Shri Dipan Sahu, Asst. Innovation Director, National Coordinator - NISP, IIC & ARIIA, MBA/PGDM in IEVD Program, MHRD's Innovation Cell, AICTE	28 th April, 2020	YouTube Session Link
Leadership talk with Dr.Gurung Desh Deshpande, Indian-American Venture Capitalist & Entrepreneur	21 st April, 2020	Link to the Talk
Leadership talk with Mr. Yashraj Bhardwaj, Co-Founder, Zenith Vipers & Partner Ensure Equity	20 th April, 2020	Link to the Talk
Leadership Talk with Prof. K.K Aggarwal, National Board of Accreditation(NBA), Govt. of India	18 th April, 2020	Link to the Talk
Leadership talk with Mr. Ronnie Screwvala	17 th April, 2020	Link to the Talk
Leadership talk with Dr. Vinay Sahasrabhddhe, President, ICCR	16 th April, 2020	Link to the Talk
MES Golden Lecture by Dr. Siruguri, Director, UGC DAE Mumbai	23 rd May 2020	Youtube Link
Faculty development program on Scilab	11 th -15 th May 2020	Social Media link
Mahatma Education Society's Golden Lecture on "Opportunities in Post Covid-19 India" by Dr. Abhay Jere	21 st May 2020	Social Media link
Antenna Design through Simulation Using TaraNG 19.1	18 th May, 2020	Social Media link



Leadership Talk with Shri Shridhar Venkat CEO, Akshaya Patra foundation



Online Session: Pulkit Jain, Lokesh Goswami, Arpit Nandi