ATHARVA EDUCATIONAL TRUST'S

ATHARVA COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by Government of Maharashtra
& Affiliated to University of Mumbai - Estd. 1999 - 2000)
ISO 2100:2018 ISO 14001:2015 ISO 9001:2015
NAAC Accredited

ACE iLab visit and training glimpses

iLab course Code: AILABCT01

(Visits and ilab Training)

At Atharva College of Engineering (ACE), a series of sessions were held in the Innovation Lab (I-Lab) throughout the year to introduce and apply the 3D Idea Generation and Mind Mapping tool. These sessions were designed to cultivate innovative thinking and enhance problem-solving skills among students from various departments.

Academic Year: 2017-2018

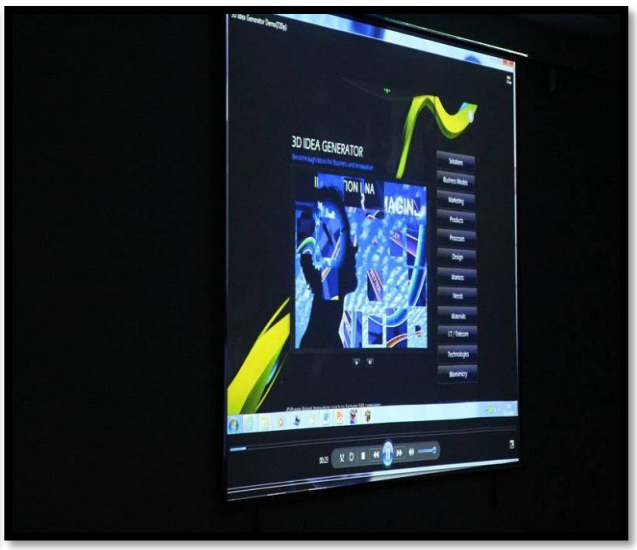
Our iLAB Team is happy to announce that they successfully conducted 4 days session on "World of innovation and Creative thinking- To become future ready Innovator" recently at our own iLab (Innovation Lab). In that session Team iLAB discussed concepts like Invention, Innovation, Dynamic thinking Skills, Brainstorming, Idea Generation Techniques as well as Mind Mapping techniques. The session was interactive throughout where various activities were carried out in group and as individuals.

Sessions were conducted by Prof. Komal Mahajan, Prof. Apeksha Waghmare and Prof. Dimple Bafna, under the resourceful and valuable guidance of our Director Dr.P. N. Nemade sir and Principal Dr. S.P. Kallurkar sir.

From the participant reviews, it was clear that the students appreciated the session a lot. The participants evinced keen interest in discussions and understanding of the topics and the good number of questions from students was indeed impressive and subtly conveyed that the young innovative minds are open for discussions with a lot of ideas. All in all, the session went off very well, and was well appreciated by one and all.

P.S. I recommend to students – if you want to learn some new technologies, something innovative – take part in upcoming sessions of iLAB. There are a lot of useful materials, prepared in such a CREATIVE way, that all students will feel really enthusiastically motivated after the session


Atharva State-of-The Art Innovation Centre
Creating a New Benchmark of Excellence in Innovation


3D IDEA GENERATOR


i LAB


i LAB


Principle
Two:
Put a dent
in the
universe.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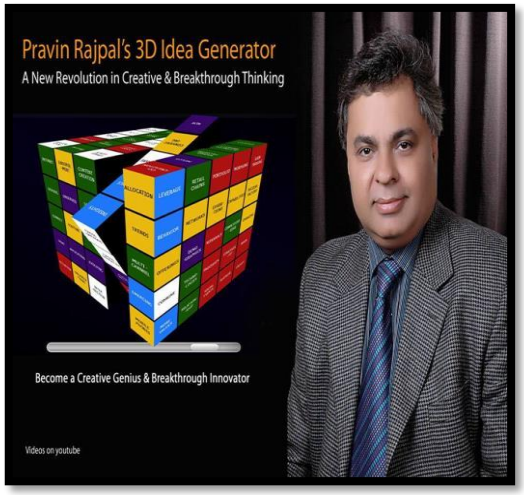

Pravin Rajpal's 3D Idea Generator
A New Revolution in Creative & Breakthrough Thinking
Become a Creative Genius & Breakthrough Innovator
Videos on youtube

Students Feedback about iLab sessions

" It was a wonderful experience where we had an opportunity to learn in depth about innovation. It gave us a platform to think out of the box and taught us various ways to implement our ideas. " -Aseema Ajgaonkar, TEINFT 1.

"It was very informative session. it was a nice experience. we learn innovation, invention and many more things. lecturers were very nice. overall a good experience"

- Yashasvi Bhuva,

"This session helped me in thinking out of the box, my perspective to look at things is changed in this session we students are encouraged by faculties to elaborate and share idea among the other participants , also this session helped me to develop innovative attitude"

-Mohit Patil

Students Feedback about iLab sessions

"It was a helpful session. Helped in finding solutions to problems in different Innovative ways"

-Himanshu Patil

"I lab innovation in it's name where various ideas mind blasting and various solutions for problems in daily life. Various drastic solutions on problems and quite easy solutions open minded thinking that's where I stands"

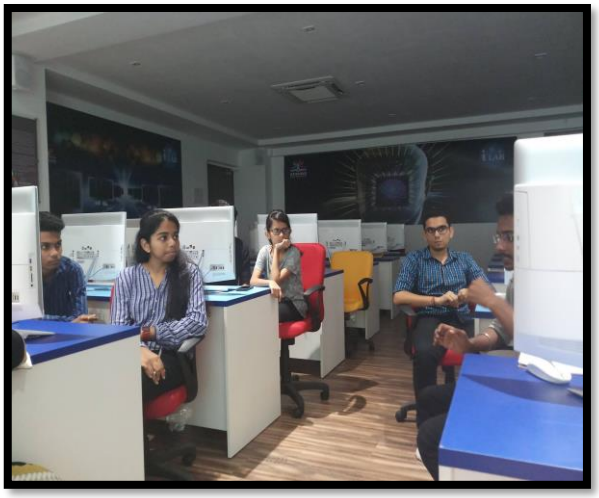
-Pratish Chavan

"The session was really amazing, really interactive and informative concepts explained by real life examples number of activities are taken by the faculties… Overall fantastic experience !!!"

-Mohit Jain

ACADEMIC YEAR: Year: 2018 -19

"Under the path breaking vision & encouragement from Hon. Shri Sunil Rane sir, Atharva College of Engineering is on its way to create and mold future innovators to serve the human community. The state-of-the-art Innovation Lab in Atharva College of Engineering is nurturing and seeding the young talents to flourish and blossom as Next-Gen Creative thinkers.
We are happy to announce that a first-of-its-kind 4 days session on "World of #Innovation and Creative thinking- To become future ready Innovator" was successfully conducted at our own iLab (Innovation Lab).
Sessions were conducted by Prof. Komal Mahajan, Prof. Apeksha Waghmare and Prof. Dimple Bafna, under the resourceful and able guidance of our Director Dr.P. N. Nemade sir and Principal Dr. S.P. Kallurkar sir.
It is indeed a great sense of accomplishment as these Next-Gen Leaders are nurtured and grown in this innovative journey."



ACADEMIC YEAR: Year: 2019 -20

1. To encourage innovative projects by final year students we have conducted Innovation Lab (I-Lab) sessions for B.E students of all Departments from 16-09-2019 to 04-09-2019.

Sl. No.	Topics Covered
1	Creative Thinking
2	Conceptual World of Innovation Vs Invention
3	"Out-of-box" Thinking
4	Finding out of the box / radical solutions to existing challenges
5	Innovation Principles
6	Mind Mapping and Brainstorming
7	3D Idea generators for breakthrough ideas
8	Exercise Idea generation exercises through gamification

The session covered the above topics and through hand-on session on Idea Generation and mind mapping students could work on their project idea and prepared mind map of their project plan.

Pics of the Sessions conducted for BE students.

2. **Idea Meister Competition 2019-20** on **26 and 27 September 2019 at iLAB**

A commendable participation of more than 87 participants (44 teams) was observed, 27 teams were from CMPN and INFT branches and 17 teams were from ETRX,EXTC and ELEC branches. The students worked on the Problem statements which addresses current challenges/ issues in Society and Industry and came up with excellent solutions. The submission were in the form of Mind Map of the Solution.

Problem Definition for CMPN and INFT:

Making online payment seamless (hassle free) and secure.

Phishing attacks are becoming common. The common man is sometimes duped of hard earned savings due to phishing attacks. Specially vulnerable are old people. They are targeted for their net banking/online wallet PIN or password. The developer should design a system to solve this problem. This problem cannot be solved using only technology. Special focus will have to be put on User Experience (UX) design and User Interface (UI) design. Solutions should keep in mind old users, users who are from villages, users who are not technically savvy and kids. These are specially vulnerable groups.

Problem Definition for ELEC, EXTC and ETRX:

Plastic bags use up natural resources, consume energy to manufacture, create litter, choke marine life and add to landfill waste. Identified four main areas of concern in problems regards to the use of plastic bags are:

- plastic bag littering, and associated indiscriminate waste disposal and consumer behavior
- resource consumption issues, including reform, reduce and recycling
- plastic degradability issues relating to littering and resource use
- Social issues, community education and awareness, and consumer perception.

ACADEMIC YEAR: 2020-21

A comprehensive I-Lab training session was conducted from **21/03/21** for SE and TE students from the Department of Electronics and Telecommunication Engineering. Over the course of four days, approximately **45** students were exposed to the softwares. They enthusiastically explored the software and developed innovative ideas across various domains, such as mental wellness platforms, textile brands, online gaming platforms, and more. Additionally, the students utilized the mind-mapping tool to represent the synopses of their mini-projects, showcasing their ability to prioritize tasks effectively.

ACADEMIC YEAR: 2021-22

At Atharva College of Engineering (ACE), a series of sessions were held in the Innovation Lab (I-Lab) throughout the year to introduce and apply the 3D Idea Generation and Mind Mapping tool. These sessions were designed to cultivate innovative thinking and enhance problem-solving skills among students from various departments.

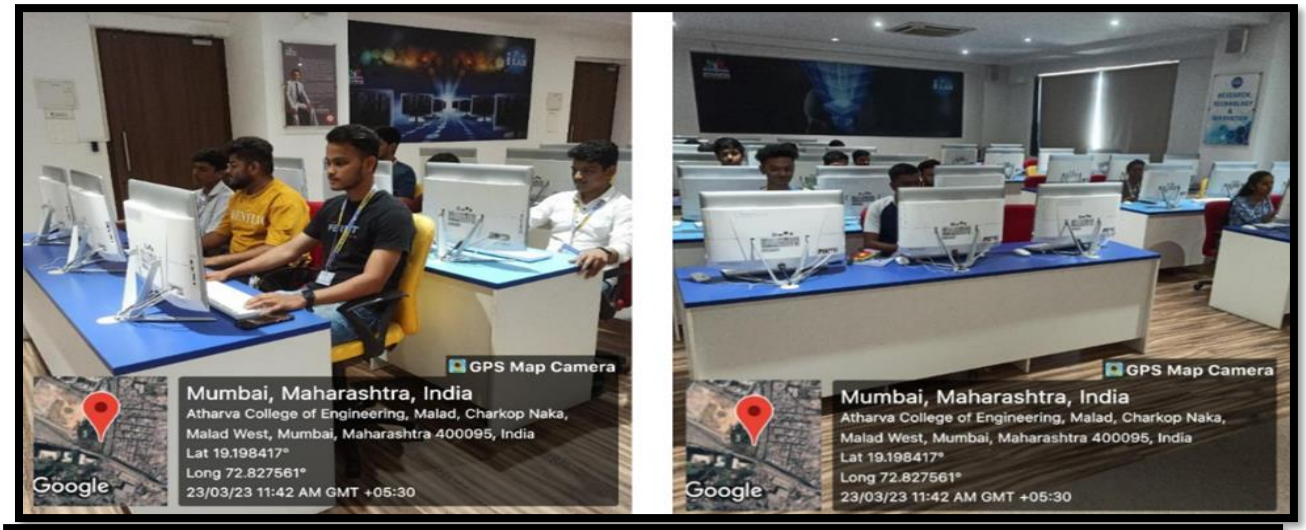
In the first session held on **06/07/21**, shortlisted students for the Smart India Hackathon were introduced to the 3D Idea Generator Software and Xmind- mind mapping tool. They learned to map their problem statements with relevant keywords and explored the feasibility of their ideas. A total of **8** students actively participated in this engaging session.

A subsequent session was held on **07/07/21**, to provide a brief demonstration and presentation to the esteemed members of ACE, including the Principal, Registrar, Vice Principals, and all HoDs. The objective was to showcase the capabilities and potential applications of both the software tools.

Another session on **28/07/22** and **04/08/22**, targeted the TE students from the Department of Computer Engineering and Department of Information Technology respectively. Total **27** Students from these branches received training and generated problem statements and created mind maps to evaluate the feasibility of their ideas. The interactive session witnessed enthusiastic participation from the students, resulting in the creation of numerous mind maps tailored to individual problem statements.

Similarly, sessions was organized on **15/09/22** for TE students from the Department of Computer Engineering, Electrical Engineering and Information Technology respectively. Total **52** students were actively engaged in the Innovation lab ideation process, generating mind maps based on their ideas.

Overall, the sessions were highly interactive, fostering a spirit of innovation and entrepreneurship among the students. We are thankful to I-lab Head Coordinators Prof. Deepali Maste and Prof. Garima Gurjar U., for exemplifying the institution's commitment to nurture innovation and entrepreneurship across all departments. We express our sincere gratitude to Dr. Ramesh Kulkarni, the Principal of ACE, and Dr. Pravin Nemade, the Director of ACE, for their unwavering support and encouragement throughout the entire duration. The dedicated I-lab members, namely Prof. Trisha Ghosh, Prof. Sawmya Kini, Prof. Suchetadevi Gaikwad, and Prof. Shaily Goyal, played pivotal roles in training students from various engineering departments. The institute witnessed active participation of students, allowing them to unleash their creativity and showcase their potential. All the sessions concluded on a positive note, reflecting the success of the initiative.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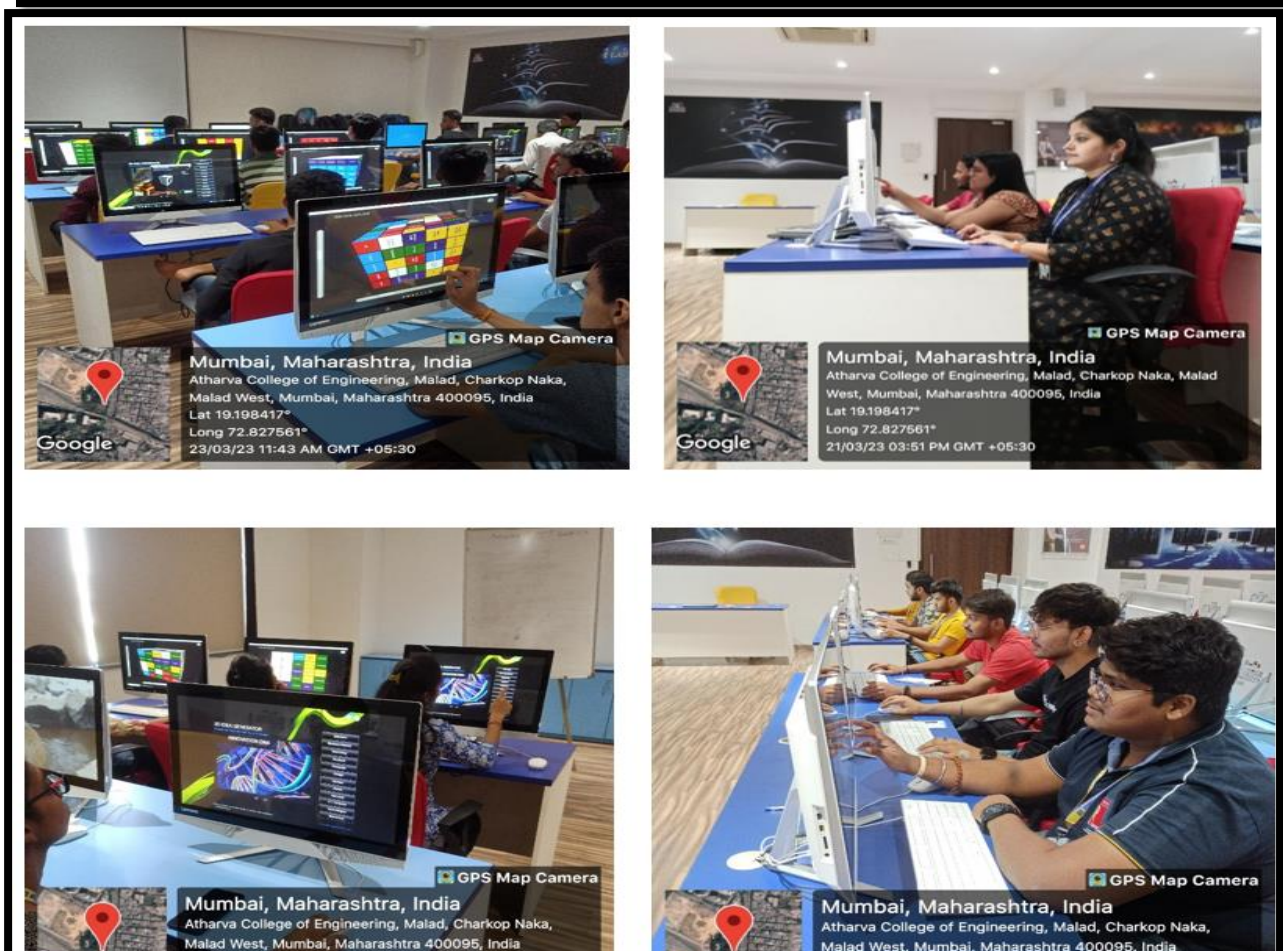
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Atharva College of Engineering 2022-23
Innovation Lab - iLab
Transformation for a Future Ready Innovator

A comprehensive I-Lab training session was conducted from January 2022-23 for SE and TE students from the Department of Electronics and Telecommunication Engineering, Electrical Engineering, Information Technology and Computer Science Engineering. Over the course of four days, approximately 90 plus students were exposed to the softwares. They enthusiastically explored the software and developed innovative ideas across various domains, such as mental wellness platforms, textile brands, online gaming platforms, and more. Additionally, the students utilized the mind-mapping tool to represent the synopses of their mini-projects, showcasing their ability to prioritize tasks effectively.

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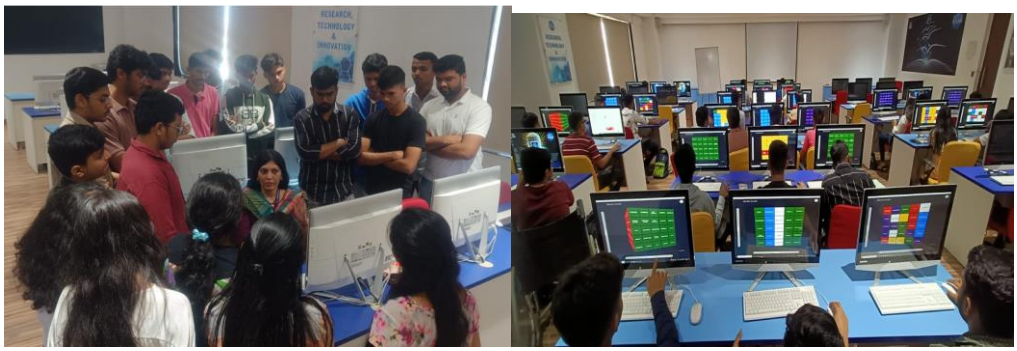
Photographs of the sessions:



ILab Members:

Prof. Deepali Maste
Prof. Garima Unhale
Prof. Sowmya Kini M
Prof. Suchetadevi Gaikwad
Prof. Trisha Ghosh