

## Welcome Message

Greetings!

Planning the activities and training of students and faculty members is the prime objective of the AICTE-IDEA lab. Keeping this in mind, the activities listed by the AICTE IDEA lab are assigned to coordinators and AICTE-IDEA Lab Gurus. The nature of the activity, objectives, and expected outcomes are discussed with the respective coordinators. The activities planned for November and December 2022 i.e. students skilling program for 2<sup>nd</sup> and 3<sup>rd</sup>-year Pharmacy Students.

## Faculty Activities

### Faculty Attended FDP

Prof. P. K. Kavale attended the one-week offline AICTE-IDEA Lab Advanced Faculty Development Program '**Electronics System Design**' at Visvesvaraya Technological University, Muddenahalli, Bangalore from 12/10/2022 to 18/10/2022. During this FDP they successfully build a prototype of a 'Smart Irrigation system'.



Group Photograph of FDP Participants at VTU, Muddenahalli, Bangalore, 18/10/2022

### Faculty Development Program:

Six-day Faculty Development Program on Smart Manufacturing was organized from 12<sup>th</sup> September 2022 to 17<sup>th</sup> September 2022 under the AICTE IDEA lab. A total of 29 faculties from various engineering and diploma colleges actively participated in the FDP. The FDP is intended to provide participants with niche technologies such as geometric modeling, 3D Printing, 3D Scanner, Laser Cutting, Wood routers, and Arduino. Also, it provides an opportunity for participants to work in a team, build integrity and work in multidisciplinary fields. This FDP throws light on the successful implementation of Smart Manufacturing by use of technology and problem-solving skills such as Design Thinking. Using advanced machines participants build the prototype of a CNC Milling Machine. The workshop was coordinated and delivered by Prof. Rohit Bhaskar and Prof. Rahul Rakahde.



Inauguration of Smart Manufacturing FDP and felicitation of dignitaries Dr. K. N. Nadurkar (Director of KKWIEER), Dr. R. K. Munje and Dr. P. J. Pawar (Co-ordinator of AICTE–IDEA Lab )



Facilities attending the Smart Manufacturing FDP Session



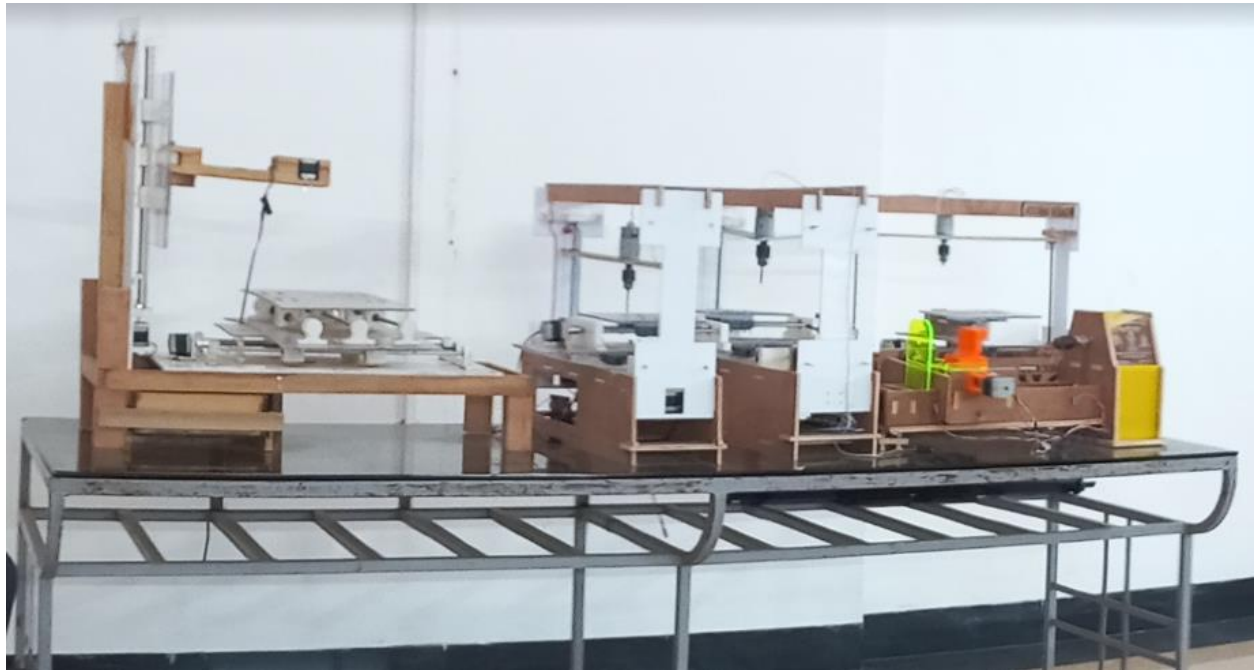
Demonstration and hands-on various advanced machine



Faculties Hands-on Sessions in the Lab supported by a student ambassador



Faculties making the Prototype of CNC Milling



Prototypes (CNC Milling Machine) built by Faculties in FDP



Group Photo Smart Manufacturing FDP



## AICTE – IDEA Lab Newsletter

K. K. Wagh Institute of Engineering Education and Research  
Amrutdham, Panchavati, Nashik-422003, MS, India

**September/October 2022**



For more information and updates, please visit the webpage of the AICTE-IDEA lab

### **Declaration**

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### Welcome Message

Greetings!

Its my pleasure to present the newsletter on the AICTE IDEA Lab of KKWIEER. This newsletter covers the major activities conducted by AICTE IDEA Lab, details of eminent visitor and industry experts visiting the AICTE IDEA Lab, students and faculty achievements working made.

### Faculty Activities

#### Faculty Attended FDP

Prof. S. V. Kadbhane attended the one-week offline AICTE-IDEA Lab Advanced Faculty Development Program on 'Smart manufacturing' at Visvesvaraya Technological University, Muddenahalli, Bangalore from 14/11/2022 to 20/11/2022. During this FDP a prototype on 'Smart Lighting System ' was successfully built by her.



Prof. S. V. Kadbhane with faculties from other engg college at VTU, Mudhenhalli, Bangalore

### Awareness Program

A Six days school teachers awareness program was organized from 14<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022 under AICTE-IDEA Lab. A total 23 faculties from various Schools of Nashik region actively participated in the program. School teachers are trained on various tools, machines and equipment in the AICTE-IDEA lab by our AICTE-IDEA lab gurus and student ambassadors. The awareness program was coordinated by Dr. G. B. Daware and Prof. S. S. Kahandal.



Inauguration of school teachers awareness program





Group photograph of participants for school teachers awareness program

**Student Activities**

**Skilling Program for Students**

AICTE-IDEA lab has completed a Six days 'Skilling Program for the Students' from 04<sup>th</sup> November 2022 to 11<sup>th</sup> November 2022. A total 34 students participated in the program under AICTE Idea Lab, is intended to provide participants with hands on practice on advanced manufacturing systems. This Skilling Program throw light on successful implementation of Advanced Manufacturing systems by use of technology and problem solving skills such as Design Thinking, The Skilling program was coordinated by Prof. Dr. R. K. Munje and Prof. S. V. Kadbhane .



Dr. R. K. Munje co-ordinator, interacting with the participants



**An open day for school students Under AICTE IDEA Lab**

One day workshop for School students under AICTE Idea Lab was conducted on 29<sup>th</sup> November 2022 to provide school students knowledge of advanced machines such as Laser Cutting, 3D Printing, Wood-router, Robotic Arms. A total 39 Students participated in this program .The workshop was coordinated Prof. R. N. Patil



Group photograph of students participated in workshop



Idea lab Experts demonstrate the 3-D Printing machine to the participants.



Idea lab Experts demonstrate the wood router machine to the participants

continued on page 3





**Skilling Program on Drone Technology**

The AICTE-IDEA lab has completed a Six days 'Skilling Program on Drone Technology' from 3<sup>rd</sup> December 2022 to 8<sup>th</sup> December 2022. A total 43 students of participated in the program.

This Program was intended to provide participants with exposure to Drone Technology. Participants will get deep knowledge in Drone Design, Assembly and Disassembly of Drone kit, Different Electronics Parts. Drone Technology is Interdisciplinary field used in Agriculture, Surveillance, Monitoring, Inspection, Photography, Entertainment as well. The Skilling program was co-ordinated by Prof. P R Beldar and Prof. R D Rakhade.



Students making & assembling the drones



Drone Skilling Program 3-8 Dec 2022

**Skilling Program on Advanced Manufacturing Systems AMS**

The AICTE-IDEA lab has completed a Six days 'Skilling Program on Advanced Manufacturing Systems' from 19<sup>th</sup> December 2022 to 24<sup>th</sup> December 2022. A total 39 students of participated in the program.

Program was intended to provide participants with hands on practice on advanced manufacturing systems. Also, it provides opportunity to participants to work in team, build integrity and work in multi disciplinary fields. This Skilling Program throw light on successful implementation of Advanced Manufacturing systems by use of technology and problem solving skills such as Design Thinking.

A poster competition was conducted in this program to

represent how AICTE-IDEA Lab facility will help them to to complete their mini projects . The Skilling program was coordinated by Prof. Prashant K. Kavale and Prof. Snehal V. Kadbhane .



Inauguration of 'Skilling Program on Advanced Manufacturing Systems'



Poster Competition – judges (Dr. Patil & Dr. Jain) examine the poster during AMS Skilling Program



Group Photo graph 'Skilling Program on Advanced Manufacturing Systems'

continued on page 4

**Guest Visit :**



Mrs. Gitika Kambli (Technologist , Researcher , Designer) visited the AICTE IDEA Lab on 09-12-2022



Shri. Shailendra Waghulde, Chief Manager at Siemens Limited (Mumbai) visited the AICTE IDEA Lab on 22-12-2022



Dr. V. G. Pangarkar (Ex-Professor & Head, Chemical Engineering Department, Institute of Chemical Technology, Mumbai) visited AICTE IDEA Lab on 23-12-2022



Faculty members from Sharad Institute of Technology, Ichalkaranji visited the AICTE IDEA Lab on 31-12-2022

**3-D Model developed in the AICTE-IDEA Lab**



3-D Printer Model developed by the students

**Future activities Planned :**

1. A Six days Faculty Development Program on 'Electronics System Design- a Multi-Disciplinary approach' is planned in the 2<sup>nd</sup> week of January 2023.
2. A Twelve days Skilling Program on 'Modern Manufacturing Process' for the ITI Students is planned in the 2<sup>nd</sup> week of January 2023.
3. One week workshop on 'Ideation and Design Thinking' for Engineering Students is planned in the 3<sup>rd</sup> week of January 2023.
4. A Two Days workshop on AICTE IDEA LAB Awareness Program for Industry persons is planned in the 2<sup>nd</sup> week of February 2023.

For more information and updates, please visit the webpage of the AICTE-IDEA lab

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**Faculty Development Program:**

Six days Faculty Development Program on 'Electronics System Design- a Multi Disciplinary Approach' was organized from 9<sup>th</sup> January to 14<sup>th</sup> January 2023 under AICTE-IDEA Lab. A total 21 faculties from various engineering and diploma colleges actively participated in the FDP. The FDP is intended to provide participants with hands on practice on embedded product design. Also, it provides opportunity to participants to work in team, build integrity and work in multidisciplinary fields. This FDP throw light on successful implementation of Electronics System Design by use of technology and problem solving skills such as Design Thinking. Using advanced machines participants will prepare prototype. The workshop was co-ordinated by Dr. S. S. Morade and Prof. Prashant Kavale.



Faculty members building Prototype



Faculties building Prototype



Inauguration of Electronics System Design FDP Dr.K.N.Nandurkar (Director of KKWIEER), Dr.R.K.Munje and Dr.P.J.Pawar (Co-ordinator of AICTE -IDEA Lab )



Faculties building Prototype



Faculties demonstrate Smart plug Prototype build in ESD FDP



Group Photo FDP 9<sup>th</sup> to 14<sup>th</sup> Jan 2023

**Student Activities**

**Skilling Program for Students**

AICTE-IDEA lab has completed a Twelve days Skilling Program on Modern Manufacturing Process for the ITI Students' from 9<sup>th</sup> Jan 2023 to 21<sup>th</sup> Jan 2023. A total 17 students participated in the program. In this skilling program, training was provided in the areas of CNC Turning, Vertical Machining center, 3-D printing, CNC Laser cutting, Plasma cutting for students. In this Skilling program, students participated with full enthusiasm. In all, it was an excellent learning experience for all. The Skilling program was co-ordinated by Prof. M. R. Pardeshi, Prof. R. D. Rakhade, Prof. B. G. Patil



Inauguration Skilling Program -dignitaries Dr. K. N. Nadurkar (Director of KKWIEER ),  
 Dr. R. K. Munje (Co-ordinator of AICTE -IDEA Lab )



Arduino Session by Prof. P.K.Kavale



3-D Scanning Session by Prof. R.D.Rakhade



Certificate distribution to Skilling program participants



Group photograph of participants in Professional Skilling Program 9-21 Jan 2023

AICTE-IDEA lab has completed a Six days Skilling Program –Quad Vehicle Professional Skilling for the Second & third year Engineering Students' from 6<sup>th</sup> February 2023 to 11<sup>th</sup> February 2023. A total 17 students participated in the program. In this skilling program, training was provided in the areas of CNC Turning, Vertical Machining center, 3-D printing, CNC Laser cutting, Plasma cutting for students. In this Skilling program, students participated with full enthusiasm. In all, it was an excellent learning experience for all. The Skilling program was coordinated by Prof. M. R. Pardeshi, Prof. R. D. Rakhade, Prof. B. G. Patil.

continued on page 3



Session by Dr. P. B. Kushare



Participant of Six days Skilling Program –Quad Vehicle 6<sup>th</sup> to 11<sup>th</sup> February 2023

### Ideation Workshop for Students

AICTE-IDEA lab has completed One week workshop on Ideation and Design Thinking for Engineering Students from 13<sup>th</sup> February 2023 to 17<sup>th</sup> February 2023. A total 40 students participated in the program. Workshop covers topics of 'Design Thinking & Innovation' such as Definition, Processes, Methods, Tools, and steps in design thinking and UX design as well as Game design. Participants also familiar with AICTE Yukti portal for register innovative ideas. The Skilling program was coordinated by Prof. Dr. Y. D. Bhise, Prof. K. P. Birla



Participants of One week workshop on Ideation and Design Thinking from 13<sup>th</sup> to 17<sup>th</sup> February 2023

### Industry Activity:

#### Industry Awareness Program

A two Days workshop on AICTE-IDEA LAB Awareness was organized on 10<sup>th</sup> & 11<sup>th</sup> February 2023 for Industry persons, to publicizing AICTE-IDEA lab among industries to encourage them to use the facilities to enhance the productivity of industry. Total 9 Industry persons from Invensys CAD Solutions, Gexcon India Pvt Ltd, FlyLab Solutions Private Limited, Progress Engineers, Slidewell Meilleur Tech pvt Ltd, Meghapushpa Energytech, Perations Excellence and Lean Consulting United Heat Transfer Pvt. Ltd. The program was coordinated by Dr. S. D. Barahate, Prof. R. D. Rakhade



Industry persons and AICTE IDEA Lab Staff for Two Days workshop on AICTE IDEA LAB Awareness Program on 10<sup>th</sup> & 11<sup>th</sup> February 2023

### Guest Visiting :

Dr. Ajit Singh, AICTE Regional Officer & Assistant Director visited AICTE IDEA Lab on 23-01-2023



A visit of Dr. Ajit Singh, (AICTE Regional Officer & Assistant Director) to AICTE IDEA Lab on 23-01-2023

On 16<sup>th</sup> Feb 2023 Officials from the Indo Universal Collaboration for Engineering Education (IUCEE) visited the AICTE IDEA Lab of K. K. Wagh Institute of Engineering Education and Research. These include Shri. Krishna Vedula, Executive Director, Indo Universal Collaboration for Engineering Education, Shri. Dilip Chemburkar Member Global Industrial Advisory Council, Shri. Vasant Marathe, Director, Swifts Pvt. Ltd. They were very happy to see all the facilities. They interacted with the AICTE IDEA Lab Gurus and Student Ambassadors.

continued on page 4



A visit of Shri. Krishna Vedula, Executive Director (IUCEE) & team on 16<sup>th</sup> Feb 2023



Dr. Jagannath Patil (Advisor, NAAC) is visited the AICTE-IDEA Lab on 11<sup>th</sup> February 2023.

### ■ 3-D Model developed in the AICTE-IDEA Lab



Model developed by the students using CNC Wood Routing Machine



CNC Turning & CNC Milling machine model developed by the faculties

### ■ Future activities Planned :

1. Project Competition for the F. Y. B. Tech Students is planned in the 2<sup>nd</sup> week of March 2023.
2. A Six Days Skilling Program on "Ideation Workshop" is planned in the 1<sup>st</sup> week of April.
3. A Working Model Contest and Project Exhibition - 'KarmveerExpo' is planned in the 3<sup>rd</sup> week of April 2023.
4. A Six Days 'Modern Manufacturing Techniques for All Terrain Vehicle' Professional Skilling Program is planned in the 4<sup>th</sup> week of April 2023.

For more information and updates, please visit the webpage of the AICTE IDEA lab.

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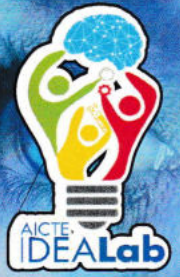
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■ **Student Activities**

**FY B.Tech Project Competition**

The AICTE IDEA Lab of K. K. Wagh Institute of Engineering Education and Research conducted Project Competition for the F. Y. B. Tech Students on 8th April 2023. Around 50 projects were presented by 200 participants. All the projects were amazing. Shri. Prashant Bachhav, Mrs.Sujata Bachhav, Shri. Manohar Shete, Shri. Sarvesh Sukhatme guided the students to the project competition. The program was coordinated by Mrs. Pushpa Mogal, Mr. R. D. Pawar, Mr. Akshay Sonawane, Mr. Pravin Mahale, and Ms.Trupti Khairnar.



Project Competition for the F. Y. B. Tech Students on 8th April 2023

**Ideation Workshop:**

Six Days Skilling Program on "Ideation Workshop" was conducted from 17th to 22nd April 2023 under AICTE Idea Lab. It was intended to impart essential knowledge on how to start a business venture and the various facets that influence successful start-ups and operations. Entrepreneurship is a dynamic process of creation of incremental wealth by individuals who assume major risks in terms of equity, time, and/ or career commitment or provides value for some product/service. A total of 26 students from different disciplines of UG Engineering participated in this workshop. Mr. Puneet Raman (Entrepreneur, Founder at Prowisdom.in ) was the trainer for this workshop. The workshop was coordinated by Prof. M. P. Panchabhai and Prof. P .K .Kavale



Inauguration of ideation workshop on 17<sup>th</sup> April 2023



Ideation workshop valedictory on 22<sup>nd</sup> April 2023



Ideation workshop valedictory on 22<sup>nd</sup> April 2023

### Skilling Program

A Six Days 'Modern Manufacturing Techniques for All Terrain Vehicle' Professional Skilling Program was organized from 26th April 2023 to 2<sup>nd</sup> May 2023 for Engineering Students under the AICTE IDEA Lab. This program was intended to provide participants with hands-on practice in building the all-terrain vehicle design and manufacturing of Data acquisition systems. Also, it provides the opportunity for participants to work in a team, build integrity and work in multidisciplinary fields. This Skilling Program throws light on the successful implementation of various new technology to prepare prototypes and enhances the technical skills of the students. A total of 40 students of UG Engineering successfully completed the program. This Program was coordinated by Prof. Amit Bhagure and Prof. Ramesh Bhandare.



Expert Session by Dr. P. B. Kushare



Inauguration of Six Days 'Modern Manufacturing Techniques for All Terrain Vehicle' Professional Skilling Program on 26<sup>th</sup> April 2023



Expert Session by Prof. M. R. Pardeshi



Hands-on Laser Cutting machine



Skilling Program valedictory in the presence of Hon. Dr. K.N. Nadurkar, Dr. R.K. Munje, Dr. P. B. Kushare, Prof. A.D. Bhagure and Prof. R.V. Bhandare on the 2<sup>nd</sup> May 2023





Participant's group photo for the Six Days 'Modern Manufacturing Techniques for All Terrain Vehicle' Professional Skilling Program on 26<sup>th</sup> April to 2<sup>nd</sup> May 2023

### IET Karmaveer Expo 2023

AICTE-IDEA Lab has organized a Working Model Contest and Project Exhibition on 29<sup>th</sup> April 2023 with a vision to provide a common platform for future technocrats for their ideas and innovation. This event provides an excellent opportunity for students to network with peers from different disciplines, to gain valuable feedback on their projects, and thus a great learning experience. The event was inaugurated with the hands of Hon. Shri. Mukul Srivastava, President, Power Division, Compton Greaves Ltd. Nashik in the presence of Hon. Chairman Shri. Sameer Wagh, Trustee Hon. Shri. Ashokbhai Merchant, Principal Dr. K. N. Nandurkar, and project evaluators Dr. Omprakash Kulkarni, Mr. John Yeshuraj, and Shri Piyush Shinde. The program was coordinated by Dr. B. E. Kushare, Professor and HOD, Electrical Department along with the team of AICTE IDEA Lab.



Inauguration of Project Exhibition

The results of this competition are as follows:

#### **National Project Competition:**

**First Prize** – Was awarded to the project, 'LoRa-based vehicle speed and location tracking system to reduce accidents on urban and highway roads'. This project was presented by students Shoaib Killedar, Pranav Hemadri, Tanisha Patil, and Rashmi Hitemath from Basaveshwar College of Engineering, Bagalkot, Karnataka.

**Second prize** - Was awarded to the project, 'Foot Mouse'. This project was presented by Somnath Ramteke, Mayur Depura, Yojana Mahajan, and Purva Patil from S. S. B. T. College of Engineering, Jalgaon, Maharashtra.

**Third Prize** – Was awarded to this project, 'Design of vacuum seed drill for agricultural purpose'. This project was presented by students Shreyash Prayag, Vishal Bagul, Naresh Shinde, and Swapnil Suryavanshi from K. K. Wagh College of Engineering, Nashik, Maharashtra.

#### **Poster Competition:**

**First Prize**- Rishikesh Rehare, K. K. Wagh College of Engineering, Nashik.

**Second Prize**- Shraddha Kutuhal, Sandeep University, Nashik.

**Third Prize**- Nayan Tayde, Shramsadhana College of Engineering, Jalgaon.

#### **Photography Contest:**

**First Prize**- Prasad Bhojane, K. K. Wagh College of Engineering, Nashik.

**Second Prize**- Krishna Sarode, HIL College of Science and Commerce, Nashik



Felicitation of Winner participants

**Guest Visiting :**

Mr. David Landgren, Program Manager, Epiroc, Sweden, and Ms. Pallavi (Pande) Phad-, HR Manager, Epiroc visited the AICTE IDEA Lab and Ideation Room at K.K. Wagh Institute of Engineering Education and Research, Nashik on 22/04/2023



Visit of Mr. David Landgren, Program Manager, Epiroc, Sweden, and Ms. Pallavi (Pande) Phad-, HR Manager, Epiroc ,Nashik

Shri. Mukul Srivastava “President-Power Division” of Crompton Greaves Power and Industrial Solutions Ltd. (CGPISL) and Dr. B. E. Kushare, Energy Auditor and Power Quality Consultant, Visited AICTE IDEA Lab on 29-04-2023



Shri. Mukul Srivastava “President-Power Division” of Crompton Greaves Power and Industrial Solutions Ltd. (CGPISL) Visited AICTE IDEA Lab on 29-04-2023

**3-D Model developed in the AICTE-IDEA Lab:**



Fig:vacuum seed drill system parts

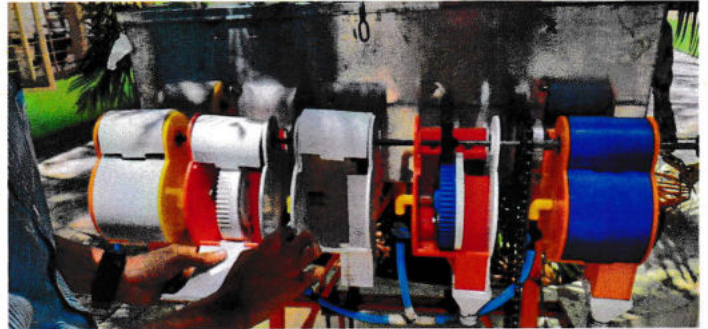


Fig:Vacuum seed drill system for agricultural purpose

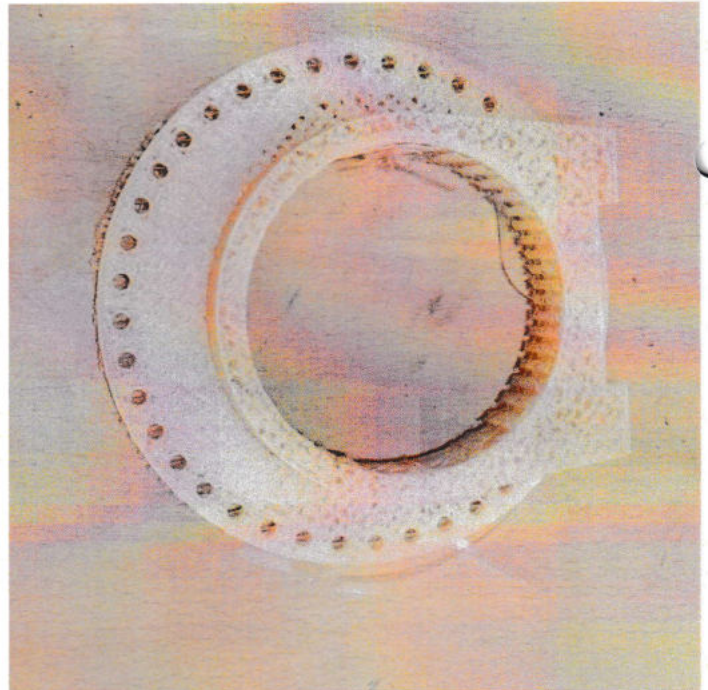


Fig: 3-D Printing Eccentric Housing Plate Team Brahmastra Quad

**Future activities Planned :**

1. One week FDP on the Smart manufacturing system is planned in the 1<sup>st</sup> week of June 2023.
2. One week FDP on Electronics System Design system is planned in the 4<sup>th</sup> week of June 2023.

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**K.K. Wagh Education Society's  
K.K. Wagh Institute of Engineering Education  
and Research, Nashik.**

**AICTE - IDEA Lab Newsletter**



Vol.: 2, Issue:3

May - June 2023

TECHNICAL NEWS LETTER

**Faculty Development Program:**

**FDP on Advanced Manufacturing:**

The The AICTE-IDEA Lab organized a six-day Faculty Development Program on 'Advanced Manufacturing' from 12/06/2023 to 17/06/2023. The program saw active participation from 20 faculties representing various engineering and diploma colleges. The main objective of the FDP was to equip the participants with niche technologies in the field of advanced manufacturing, including geometric modelling, 3-D printing, 3-D scanning, Laser Cutting, Wood Routing, and Arduino. Moreover, the program aimed to foster teamwork, integrity, and multidisciplinary collaboration among the participants.

During the FDP, participants gained insights into the successful implementation of Advanced Manufacturing through the use of cutting-edge technology and problem-solving skills, such as Design Thinking. They were allowed to work with advanced machines and successfully built a prototype.

The workshop was efficiently coordinated by Mrs P.R. Moghal.



Expert session on Laser Cutting by Prof. R. V. Bhaskar



Hands-on session on Laser Cutting Machine



Hands-on session on the wood router



Inauguration of FDP -dignitaries Dr.K.N.Nadurkar (Director of KKWIEER), Dr.R.K.Munje and Dr.P.J.Pawar (Co-ordinator of AICTE -IDEA Lab)



Hands-on session on 3-D scanner system by Mr.A.B.Sonawane



Valedictory of FDP



**FDP on Interdisciplinary Project Design and Development:**

A Six-day Faculty Development Program on 'Interdisciplinary Project Design and Development' was conducted by AICTE-IDEA Lab from 26/06/2023 to 01/07/2023. The program saw active participation from 20 faculties representing various engineering and diploma colleges. The primary objective of this FDP was to familiarize the participants with the principles of Interdisciplinary Project Design and Development, along with providing exposure to cutting-edge technologies such as geometric modelling, 3-D Printing, 3-D Scanning, Laser Cutting, Arduino, Drone Technology, PCB Drilling, AR&VR Technology

In addition to technological insights, the FDP aimed to promote teamwork, integrity, and engagement in multidisciplinary fields among the participants. Utilizing advanced machines, the faculties worked together to build prototypes, gaining practical experience in the process.

Mrs. P.R. Moghal effectively coordinated the workshop, ensuring a fruitful learning experience for all participants.



Hand-on 3-D printer By Mrs. Trupti Khaimar



Hands-on session 3-D Scanner by Prof. R.D.Rakahde



Expert session on Design Thinking by Dr. R. K.Munje



Expert session on Arduino & Mechatronics by Prof P.K. Kavale



Expert session on 3-D Printer by Prof S. V. Kadbhane



Hand-on session Interfacing of Sensors, Controller and Actuators



Hands-on session on Laser Cutting Machine By Mr. Akshay Sonawane



Valedictory of FDP

## Awareness Program

### School Teachers Training Program

AICTE IDEA lab of the K.K. Wagh Institute of Engineering Education and Research has completed one more innovative kind of activity 'School Teachers Training Program' from 17th - 22nd July 2023. Twenty teachers actively participated from different schools and educational backgrounds. During the program, school teachers received comprehensive training on a wide range of tools, machines, and equipment available in the AICTE-IDEA Lab. The training sessions were conducted by experienced AICTE-IDEA lab gurus, experienced faculties and student ambassadors. Finally, they developed innovative projects to demonstrate.

Dr. G. B. Daware and Prof. S. S. Kahandal efficiently coordinated the awareness program, ensuring that the participants gained valuable insights and practical knowledge to enhance their teaching capabilities. The program provided an excellent platform for school teachers to learn and apply innovative approaches in their educational practices.



Inauguration of Awareness Program by Dr. G. B. Daware



Interaction with Schools teachers by AICTE-IDEA Lab Chief Mentor Dr. K. N. Nandurkar, Dr. R. K. Munje & Dr. P. J. Pawar AICTE-IDEA lab Co-ordinator



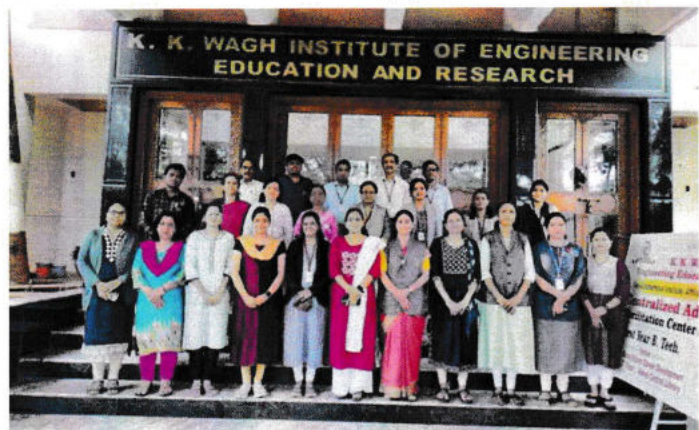
Expert Session By Dr. R. K. Munje on Project Development



Expert Session By Dr. P. J. Pawar on Robot Technology



Expert Session on CAD Modeling by Prof. A. D. Bhagure



Group Photo of Participants for School Teachers Awareness Program

### ■ Guest Visiting:

It was a pleasure to show the facilities of the AICTE IDEA lab of K.K. Wagh Institute of Engineering Education and Research to Mr. Dayanand Kulkarni (Assistant Vice-President-HR), Mr. Ranjit Koppikar (Manager), Mr. Ashok Sanap (Assistant Vice-President) and Mr. Rajesh Chopade (Manager) from ABB India Ltd., Nashik



A visit of Mr. Dayanand Kulkarni (Assistant Vice-President-HR) from ABB India Ltd., Nashik

### ■ 3-D Model developed in the AICTE-IDEA Lab:



Decorative Lamp develop by using a 3-D printer & Laser cutting machine in the AICTE-IDEA lab

### ■ Future activities Planned :

1. One week School Teachers Awareness Program is planned for the 2<sup>nd</sup> week of July 2023
2. One F. Y. B. Tech Project Exhibition on cum contest is planned in the 3<sup>rd</sup> week of July 2023

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e-Newsletter: <https://kkwieer-idea-lab-newsletter.blogspot.com/>