



K D K College of Engineering, Nandanvan, Nagpur

Department of Mechanical Engineering

Basics of Rapid Prototyping (3D Printer) & I.C.Engine

Activity Report

Date-14/08/2023 to 21/08/2023



K D K COLLEGE OF ENGINEERING, NAGPUR
Accredited by NAAC & NBA

DEPARTMENT OF MECHANICAL ENGINEERING
(CLUB-ROBO & CLUB-AUTO)



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

PRESENTS
ONE WEEK INTERNSHIP PROGRAM (SKILLING)
ON
BASICS OF RAPID PROTOTYPING (3D PRINTER)
&
I.C ENGINE

FROM
14th
AUGUST
ONWARDS

DR. A. C. WAGHMARE
HOD MECH. DEPT.

DR. A. M. BADAR
VICE PRINCIPAL

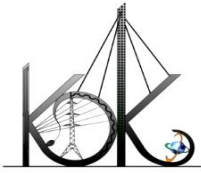
DR. S. R. IKHAR
MENTOR

DR. C. C. HANDA
PRINCIPAL

Program Co-ordinator
Prof. Mayur Shelke

Index

Sr. No	Particulars
1	Notice
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"Our Vision"

"Service To The Society
Through Quality Technical Education"

DEPARTMENT OF MECHANICAL ENGINEERING
K.D.K. COLLEGE OF ENGINEERING
Great Nag Road, Nandanvan, Nagpur-9
Ext.: 208, Tel.: 0712-2712538
www.kdkce.edu



KDK Group
of Institutes

Dr. A.C.Waghmare
Professor & Head

Date:- 07/08/2023

NOTICE

All the students of 2nd Year Mechanical Engineering Department are here by informed that, an One Week Internship training has been organized by Mechanical Engineering Department on Basics of Rapid Prototyping (3D-Printer) and IC-Engine is schedule from 14-08-2023 to 21-08-2023. All students are requested to register for the internship.

Prof. M.S.Shelke
Event In-charge

Dr. A.C.Waghmare
Prof. & Head, Mechanical Engineering
KDKCE, Nagpur **HEAD**
Deptt. of Mech. Engg.
K.D.K. College of Engg., Nagpur-09.

KDK College of Engineering Nagpur
Activity Report Session: 2023-24
Department / Committee: MECH ENGG.

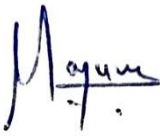

Topic- Internship Training			
Date	Department	Committee	Name of Co-ordinator
14/08/2023 to 21/08/2023	Mechanical	Dr. S.R.Ikhar	Prof. Mr. M.S.Shelke
Time	Venue	No. of Participants	In Campus/ Out Campus
11 a.m. onwards	Mechanical Seminar Hall,KDKCE,Nagpur	Total: 57	In Campus
Speaker	-		

Brief Information about the Activity

Topic of Activity	One Week Internship Training on Drone Technology and ATV Design
Objectives	Students will be able to enhance their skills of aptitude and reasoning and also they will be able to understand, How to prepare for the Competitive, Exam and Other govt. Exams.
Methodology	-----
Outcome	Students will be able to apply this knowledge practically.

Proofs & Documents Attached (Tick Mark the Appropriate)

1. Notice & Letter ✓	2. List of Participants ✓	3. Report of Activity ✓	4. Photographs ✓	5. Feedback Forms
6. Feedback Analysis	7. News Clips	8. Certificate	9. Any Other	

 Name & Signature of Co-ordinator	 Name & of HOD/ Committee In-Charge
---	---

HEAD
Deptt. of Mech. Engg.
K.D.K. College of Engg., Nagpur-09.



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

**INSTITUTION'S INNOVATION COUNCIL
KDK COLLEGE OF ENGINEERING, NAGPUR**

FACULTIES :
DR. S. R. IKHAR
PROF. M. S. SHELKE

ONE WEEK INTERNSHIP TRAINING PROGRAM
FOR
3RDSEM MECHANICAL ENGINEERING STUDENTS

TOPIC : **BASICS OF RAPID PROTOTYPING (3D PRINTER)
&
I.C ENGINE**

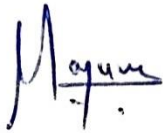
MEMBERS :
SAKSHI JANGJOD
MAITHILI UMATE
ATHARVA NANDANWAR
PRIT MUDEWAR
PRANAY PHOPHRE
SAGAR WANI
NISHANT MEHAR
SAMYAK MESHAM
SHIVAM DANDALE
SAGAR MOHADIKAR
DEVANSHU MADKE
SAURABH SATHAWANE
ROHAN DUKARE
ATHARVA POHANKAR
KAUSTUBH DHOBLE
NISHANT POHEKAR
OM KUMBHARE
RAHUL TALMALE

TIME/DAY & VENUE	11 - 12 AM	12 - 1 PM	1:30 - 2:30 PM	2:30 - 4:30 PM
DAY 1 CLUB-AUTO	C.I & S.I ENGINES	ENGINE TYPES	BS III TO BS VI & TYPES OF DRIVES	STUDY OF CARBURETTOR & SENSORS
DAY 2 CLUB-AUTO	ENGINE COOLING	STUDY OF BRAKES	STUDY OF VALVES	HYDROSTATIC FORCES
DAY 3 CLUB-AUTO	STUDY OF CLUTCH	TEST / REVISION	ASSEMBLY & DISASSEMBLY OF 4 STROKE MOTORCYCLE ENGINE	
DAY 4 CLUB-ROBO	INTRODUCTION TO CLUB & ROBOTICS	BASIC COMPONENTS OF ROBOTICS & THEIR APPLICATIONS	BASIC OF RC CARS	WORKSHOP
DAY 5 CLUB-ROBO	CONSTRUCTION OF WIRED RC CARS	DESIGNING OF COMPONENTS	DRONE TECHNOLOGY	INTRODUCTION TO 3D PRINTER
DAY 6 CLUB-ROBO	3D PRINTER			3D PRINTER PROJECT

LIST OF PARTICIPANTS

Name of Student	Branch	Year
AACHAL SHIV SHIVHARE	Mechanical	2 nd Year
JIDHNYASA NARENDRA GUNDAWAR	Mechanical	2 nd Year
PAYAL PITAMBER HAJARE	Mechanical	2 nd Year
PAYAL SANJAY KUMBHARE	Mechanical	2 nd Year
PRANJALI PURUSHOTTAM SAHARE	Mechanical	2 nd Year
RANJITA MULCHAND LIHARE	Mechanical	2 nd Year
SNEHA SURENDRA GHULE	Mechanical	2 nd Year
TAMANNA DEEPAK WAGHMARE	Mechanical	2 nd Year
TANIYA ANIL KALE	Mechanical	2 nd Year
TRUSHNA HIRALAL TELANG	Mechanical	2 nd Year
VAISHNAVI GAJANAN JOGEKAR	Mechanical	2 nd Year
VAISHNAVI VIJAY JIWTODE	Mechanical	2 nd Year
VANITA SURESH WADIGHARE	Mechanical	2 nd Year
ABHAY ANIL RAKHADE	Mechanical	2 nd Year
ABHISHEK ANIL GADEKAR	Mechanical	2 nd Year
ABHISHEK SHEKHAR DATE	Mechanical	2 nd Year
ADESH PRABHU GAJBHIYE	Mechanical	2 nd Year
ADITYA DIWAKAR GODBOLE	Mechanical	2 nd Year
AKSHAY VIJAYRAO KAMDI	Mechanical	2 nd Year
ANAND PRAKASH SOMANKAR	Mechanical	2 nd Year
ANSH RAJESH GONDANE	Mechanical	2 nd Year
ANUJ SUNIL GOKHALE	Mechanical	2 nd Year
ATHARVA GIRIDHAR ARKE	Mechanical	2 nd Year
AYUSH SUBHASH JAGNADE	Mechanical	2 nd Year
CHETAN DEVICHAND LOKHANDE	Mechanical	2 nd Year
DAKSH ARVIND GAJBHIYE	Mechanical	2 nd Year
DEVESH PREMLAL BAGHELE	Mechanical	2 nd Year
GAURAV LANKESHWAR DHOK	Mechanical	2 nd Year
ISHAN MANOJ GAJBHIYE	Mechanical	2 nd Year
JAYESH PRAKASH CHOPKAR	Mechanical	2 nd Year
JISHAN AFROJ KHAN	Mechanical	2 nd Year
KANISHK RAKESH LOKHANDE	Mechanical	2 nd Year
KHUSHAL ANIL KALE	Mechanical	2 nd Year
KUNAL SURESH NAWALE	Mechanical	2 nd Year
LOKESH PURUSHOTTAM KATHANE	Mechanical	2 nd Year
MANJIT NETLAL BAGHELE	Mechanical	2 nd Year
MOHIT VINAYAK HOLE	Mechanical	2 nd Year
NACHIKET KAILAS PAKHALE	Mechanical	2 nd Year
NIKET AVINASH DUBE	Mechanical	2 nd Year
OAM SUBHASH WANDHARE	Mechanical	2 nd Year
OM BHAGWAN KHAMBALKAR	Mechanical	2 nd Year

PRANAY PRAMOD HADKE	Mechanical	2 nd Year
PRANJAL PITAMBAR HAJARE	Mechanical	2 nd Year
PRITESH BABBU GOUR	Mechanical	2 nd Year
RITIK PRABHAT PANDEY	Mechanical	2 nd Year
ROMAN PRADIP BAGDE	Mechanical	2 nd Year
SAGAR KESHAV KAHALKAR	Mechanical	2 nd Year
SAJAL VINOD NAONAGE	Mechanical	2 nd Year
SHUBHAM LIKHESHWAR PATLE	Mechanical	2 nd Year
SOURABH GUNDERAO BOBDE	Mechanical	2 nd Year
SUJAL MADHUKAR BIRE	Mechanical	2 nd Year
SURAJ MADHORA WADHAI	Mechanical	2 nd Year
UJWAL DURYODHAN SHENDE	Mechanical	2 nd Year
UJWAL MANSINGH YADAV	Mechanical	2 nd Year
VIRAJ AKASH MOON	Mechanical	2 nd Year
YASH SUNIL SHINDE	Mechanical	2 nd Year
YOGESH RAJU AKONKAR	Mechanical	2 nd Year



Prof. M.S. Shelke
Event In-charge



Dr. A.C. Waghmare
Prof. & Head, Mechanical Engineering
KDKCE, Nagpur **HEAD**
Deptt. of Mech. Engg.
K.D.K. College of Engg., Nagpur-09.

IMPACT ANALYSIS , INTERNSHIP - 2022-23

Pre Event Feedback Analysis

Your Name	Name of Department	Que				weightage Value				Total	we igh tag e %
		1	2	3	4	1	2	3	4		
		Do you think this Internship can have any impact on your aproch	Are You Inter ested to atten d this Inter nship	How much you are well aware about the career opportu nities?	Do you think this type of Interns hip will be useful for studen ts.						
Aachal Shiv Shivhare	Mechanical	4	4	4	3	40	40	40	24	144	90.0
Jidhnyasa Narendra Gundawar	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Payal Pitamber Hajare	Mechanical	3	4	4	3	24	40	40	24	128	80.0
Payal Sanjay Kumbhare	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Pranjali Purushottam Sahare	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Ranjita Mulchand Lihare	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Sneha Surendra Ghule	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Tamanna Deepak Wagmare	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Taniya Anil Kale	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Trushna Hiralal Telang	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Vaishnavi Gajanan Jogekar	Mechanical	3	4	4	3	24	40	40	24	128	80.0
Vaishnavi Vijay Jiwtode	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Vanita Suresh Wadighare	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Abhay Anil Rakhade	Mechanical	4	4	4	3	40	40	40	24	144	90.0
Abhishek Anil Gadekar	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Abhishek Shekhar Date	Mechanical	3	4	4	3	24	40	40	24	128	80.0
Adesh Prabhu Gajbhiye	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Aditya Diwakar Godbole	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Akshay Vijayrao Kamdi	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Anand Prakash Somankar	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Ansh Rajesh Gondane	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Anuj Sunil Gokhale	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Atharva Giridhar Arke	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Ayush Subhash Jagnade	Mechanical	3	4	4	3	24	40	40	24	128	80.0
Chetan Devichand Lokhande	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Daksh Arvind Gajbhiye	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Devesh Premlal Baghele	Mechanical	2	3	3	3	12	24	24	24	84	52.5

Gaurav Lankeshwar Dhok	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Ishan Manoj Gajbhiye	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Jayesh Prakash Chopkar	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Jishan Afroj Khan	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Kanishk Rakesh Lokhande	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Khushal Anil Kale	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Kunal Suresh Nawale	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Lokesh Purushottam Kathane	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Manjit Netlal Baghele	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Mohit Vinayak Hole	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Nachiket Kailas Pakhale	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Niket Avinash Dube	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Oam Subhash Wandhare	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Om Bhagwan Khambalkar	Mechanical	2	3	3	3	12	24	24	24	84	52.5
Pranay Pramod Hadke	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Pranjal Pitambar Hajare	Mechanical	3	4	4	3	24	40	40	24	128	80.0
Pritesh Babbu Gour	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Ritik Prabhat Pandey	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Roman Pradip Bagde	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Sagar Keshav Kahalkar	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Sajal Vinod Naonage	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Shubham Likheshwar Patle	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Sourabh Gunderao Bobde	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Sujal Madhukar Bire	Mechanical	3	4	3	3	24	40	24	24	112	70.0
Suraj Madhorao Wadhai	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Ujwal Duryodhan Shende	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Ujwal Mansingh Yadav	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Viraj Akash Moon	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Yash Sunil Shinde	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Yogesh Raju Akonkar	Mechanical	4	3	4	4	40	24	40	40	144	90.0
Anirudhha Anil Lambat	Mechanical	4	4	3	4	40	40	24	40	144	90.0
Chetan Balkrishna Gawture	Mechanical	4	4	3	4	40	40	24	40	144	90.0

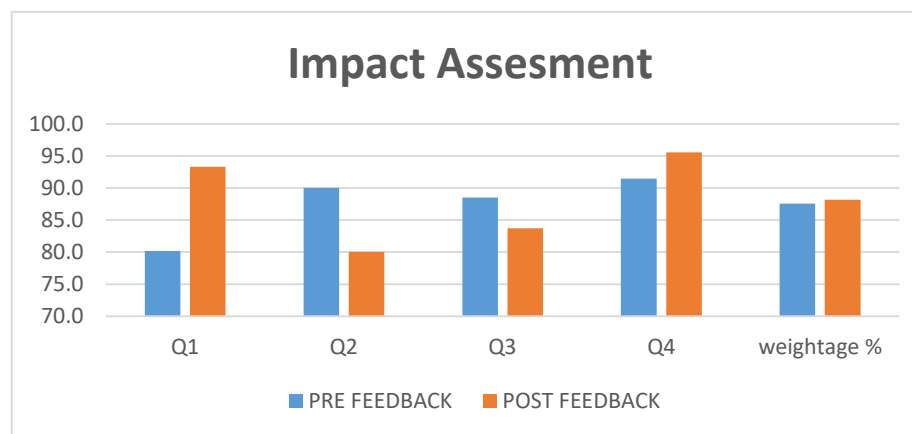
1732	1944	1912	1976	7564	109.94
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IMPACT ANALYSIS , INTERNSHIP - 2022-23

POST Celebration Feedback Analysis

Your Name	Que	1	2	3	4	weightage Value				160	wei ghta ge %
						1	2	3	4		
	Name of Department	Does such type of events helps to select proper career options	Does such event/ competition should be conducted	Would you like to attend similar /events in the future	Overall satisfacti on with this Event						
Aachal Shiv Shivhare	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Jidhnyasa Narendra Gundawar	Mechanical	3	4	3	4	24	40	24	40	128	80.0
Payal Pitamber Hajare	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Payal Sanjay Kumbhare	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Pranjali Purushottam Sahare	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Ranjita Mulchand Lihare	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Sneha Surendra Ghule	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Tamanna Deepak Waghmare	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Taniya Anil Kale	Mechanical	4	3	4	3	40	24	40	24	128	80.0
Trushna Hiralal Telang	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Vaishnavi Gajanan Jogekar	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Vaishnavi Vijay Jiwtode	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Vanita Suresh Wadighare	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Abhay Anil Rakhade	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Abhishek Anil Gadekar	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Abhishek Shekhar Date	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Adesh Prabhu Gajbhiye	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Aditya Diwakar Godbole	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Akshay Vijayrao Kamdi	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Anand Prakash Somankar	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Ansh Rajesh Gondane	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Anuj Sunil Gokhale	Mechanical	4	3	4	3	40	24	40	24	128	80.0
Atharva Giridhar Arke	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Ayush Subhash Jagnade	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Chetan Devichand Lokhande	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Daksh Arvind Gajbhiye	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Devesh Premlal Baghele	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Gaurav Lankeshwar Dhok	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Ishan Manoj Gajbhiye	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Jayesh Prakash Chopkar	Mechanical	4	3	3	4	40	24	24	40	128	80.0

Jishan Afroj Khan	Mechanical	4	3	4	3	40	24	40	24	128	80.0
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Manjit Netlal Baghele	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Mohit Vinayak Hole	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Nachiket Kailas Pakhale	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Niket Avinash Dube	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Oam Subhash Wandhare	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Om Bhagwan Khambalkar	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Pranay Pramod Hadke	Mechanical	3	4	4	4	24	40	40	40	144	90.0
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Roman Pradip Bagde	Mechanical	4	3	4	3	40	24	40	24	128	80.0
Sagar Keshav Kahalkar	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Sajal Vinod Naonage	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Shubham Likheshwar Patle	Mechanical	4	3	4	3	40	24	40	24	128	80.0
Sourabh Gunderao Bobde	Mechanical	4	4	4	4	40	40	40	40	160	100.0
Sujal Madhukar Bire	Mechanical	3	4	4	4	24	40	40	40	144	90.0
Suraj Madhorao Wadhai	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Ujwal Duryodhan Shende	Mechanical	4	3	3	4	40	24	24	40	128	80.0
Ujwal Mansingh Yadav	Mechanical	4	3	3	4	40	24	24	40	128	80.0
						2016	1728	1808	2064	7616	110.70



Department of Mechanical Engineering

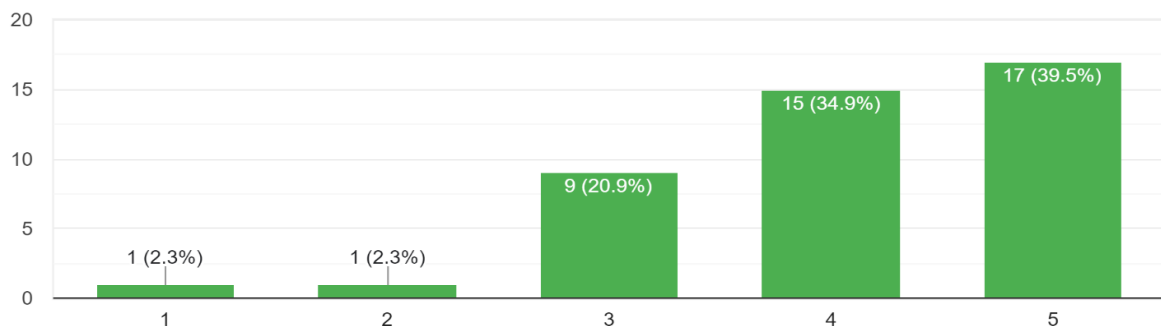
One Week Internship Training on Drone Technology and ATV Design (14th Aug to 21th Aug 2023)

Feedback Analysis

Feedback and impact analysis is important when any activity is undertaken. This helps in achieving the intended objective in tune with the vision and mission of the institution. In this Internship Program, the feedback was taken from the participating students for the betterment of upcoming events.

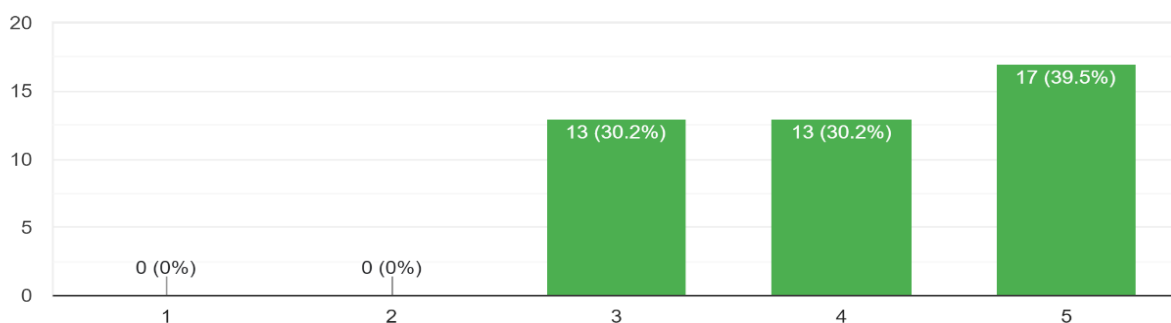
HOW DO YOU LIKE THIS SESSION

43 responses



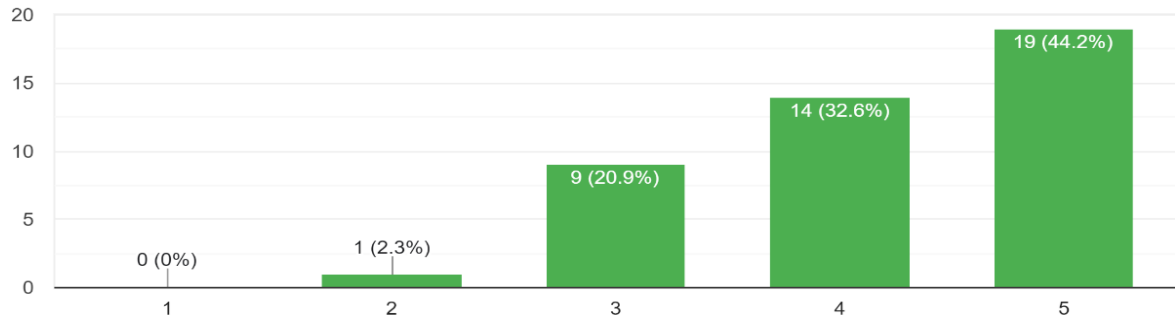
PRESENTATOR SKILL ABOUT RELATED TOPIC

43 responses



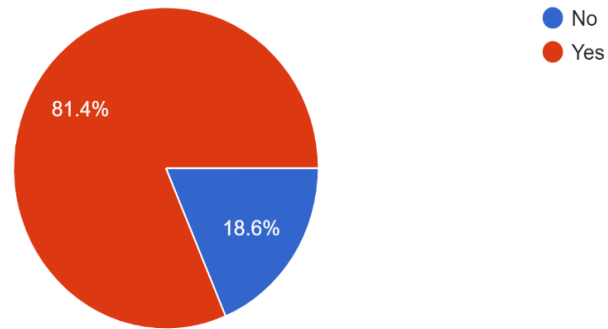
HOW SATISFIED YOU ARE WITH THE EVENT

43 responses



DO YOU GET SUFFICIENT INFORMATION REGARDING THIS TOPIC

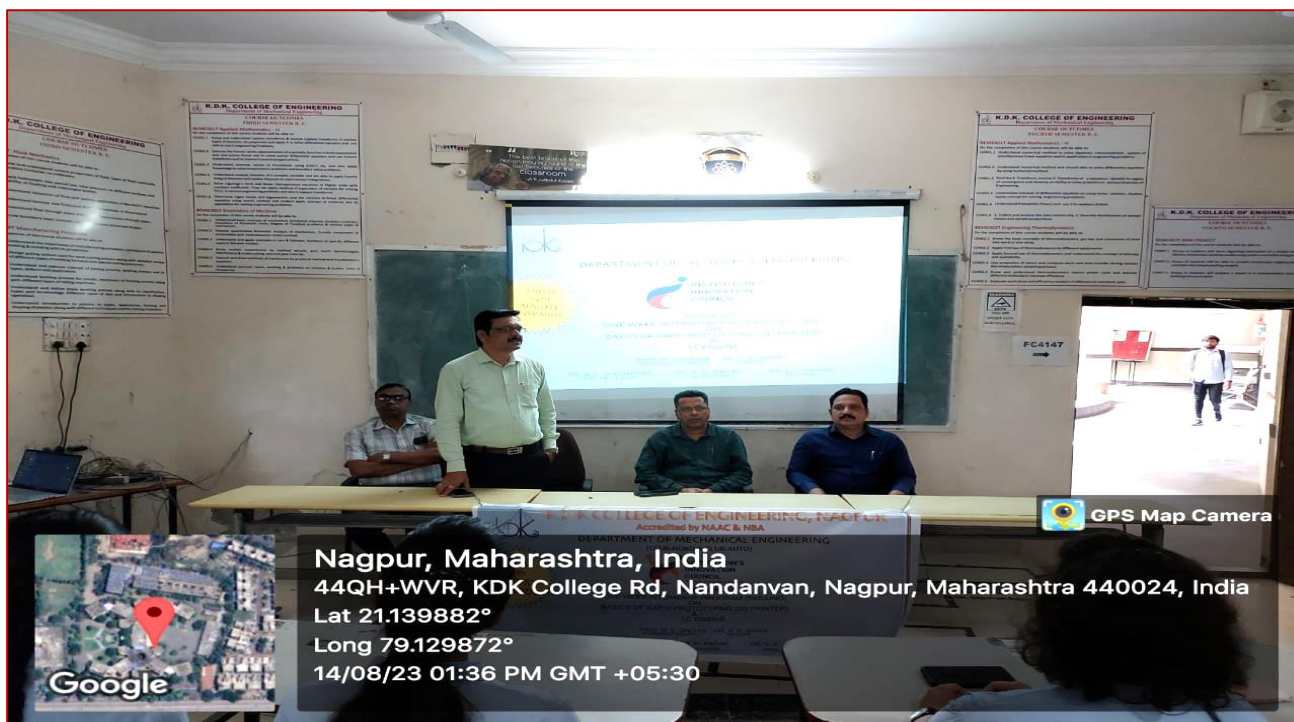
43 responses



Action Taken Report-

After analysing the feedback it was observed that students enjoyed the content of Internship and wanted to know more about the similar topics, so we provided several other video lectures to students and Also encouraged the students to join the club-auto and club-robo so that their learning will be continue in the club. It has been resolved to continue organizing such events every year to make students aware of various technological advancement and to enhance their knowledge.

Photographs-





Nagpur, Maharashtra, India
44QH+WVR, KDK College Rd, Nandanvan, Nagpur, Maharashtra 440024, India
Lat 21.139872°
Long 79.129806°
14/08/23 01:40 PM GMT +05:30



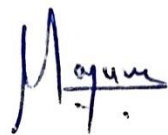






Nagpur, Maharashtra, India
44QH+WVR, KDK College Rd, Nandanvan, Nagpur, Maharashtra 440024, India
Lat 21.140008°
Long 79.129778°
18/08/23 01:04 PM GMT +05:30

 GPS Map Camera



Prof. M.S. Shelke
Event In-charge



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