



# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.

Recognized by Government of Karnataka.

A+, Accredited by NAAC & NBA (ECE & CSE)

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Date -24/07/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

## Sub: Requesting for permission conduct a Workshop

We are happy to inform you that Department of Mechanical Engineering, is planning to organize one day Workshop titled INTRODUCTION TO CNC TURNING & MILLING on 26/07/2023 for First year Mechanical Engineering & Agriculture Engineering students

The details are mentioned below, kindly request you do the needful.

## Workshop details

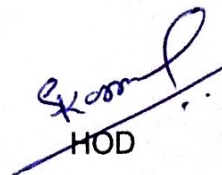
Name: **Mr. Hemanth Suvarna & Mr. Pramod Kumar N**

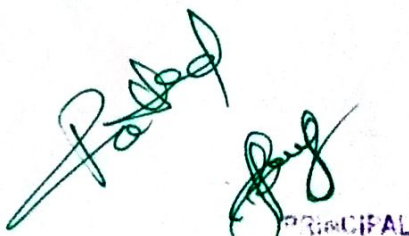
Title : **INTRODUCTION TO CNC TURNING & MILLING**

Venue: **CNC CENTRE ( MECH BLOCK)**

Date/month/year: **26/07/2023**

Mode : **Offline**

  
HOD 24/7/23



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Alva's Institute of Engg. & Technology,  
MIJAR, MOODBIDRI - 574 225, D.K

aiet/Mech/AY2022-23/023

Date-24/07/23

**Circular**

All the First year students from Department of Mechanical Engineering, & Department of Agriculture Department are hereby informed to attend the one day workshop on CNC machines titled "INTRODUCTION TO CNC TURNING & MILLING"

Details are as following

**Date: 26/07/2023**

**Time: 09:00 am-05:00 pm**

**Title of the Talk: "INTRODUCTION TO CNC TURNING & MILLING"**

**Venue : CNC WORK CENTRE ,**

  
HOD

Copy to

Principal table/Deans/HODs/AO/Office/---

  
Principal  
**PRINCIPAL**

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# One Day Workshop On Introduction To CNC Turning And Milling

## Workshop

### Introduction:

The Mechanical Department of Alva's Institute of Engineering and Technology organized a comprehensive one-day workshop titled "Introduction to CNC Turning and Milling" on July 26, 2023. The workshop aimed to provide students with a solid foundation in CNC machining principles and practices, enabling them to become industry-ready and proficient in modern manufacturing techniques. The event commenced at 8:30 AM with an inaugural ceremony, graced by the presence of esteemed faculty members, and students. The Head of the Mechanical Department delivered a warm welcome address, highlighting the significance of CNC technology in today's manufacturing landscape and its potential to revolutionize the industry.



### Machining and Conventional Manufacturing

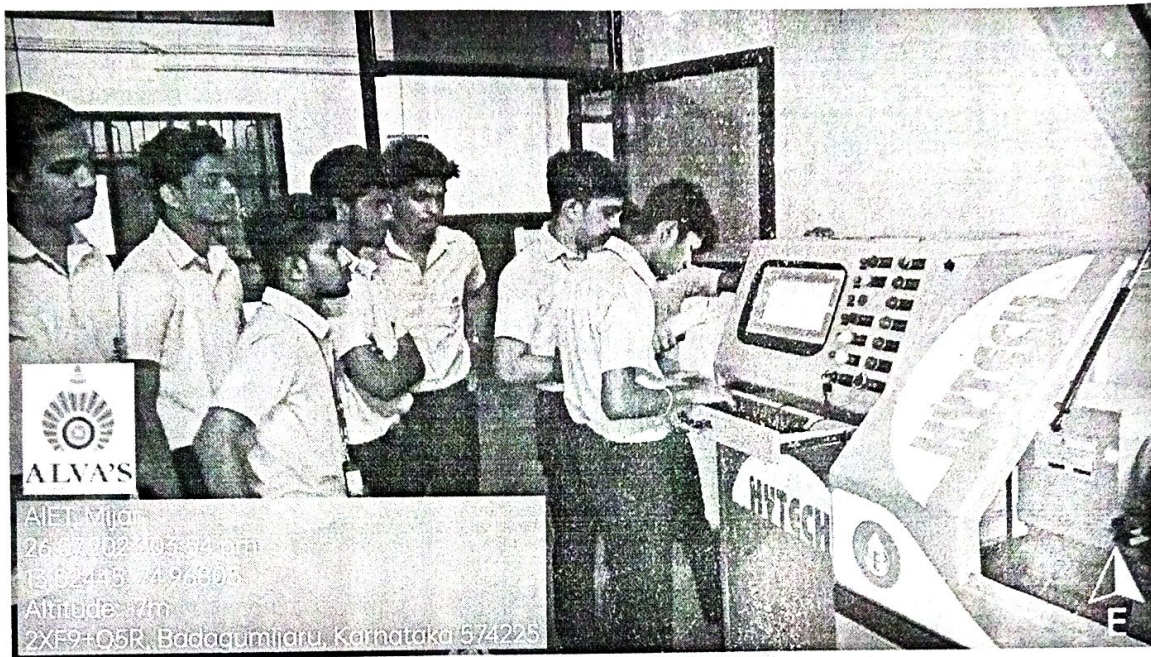
#### Session 1: Machining and Conventional Manufacturing

The first technical session began at 9:00 AM, where an experienced industry expert shed light on the history and evolution of machining processes. The participants were introduced to traditional manufacturing methods, such as turning, milling, drilling, and grinding. The expert emphasized the limitations of conventional techniques and how CNC machining addresses these challenges with enhanced precision, efficiency, and flexibility.



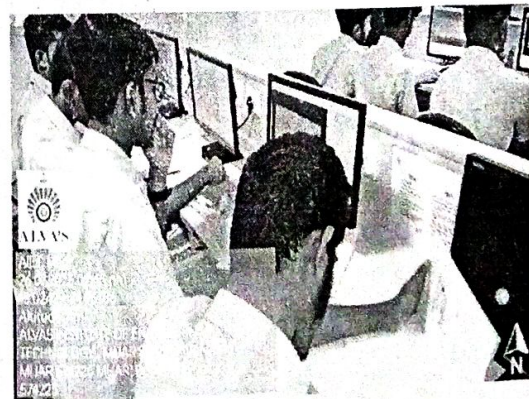
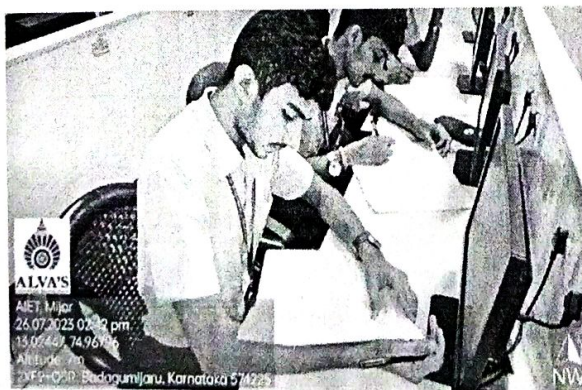
## Session 2: Understanding CNC Machines

Following the insightful introduction to machining, the renowned in-house Trainer, Prof. Hemanth Suvarna, took center stage to delve into the world of CNC machines. Prof. Suvarna, with his extensive expertise, elucidated the essential components of CNC machines, including the control unit, motors, tool turret, and workholding devices. He demonstrated the functioning of CNC machines with engaging visuals and real-life examples, captivating the audience's attention and curiosity.



### Interactive Q&A Session:

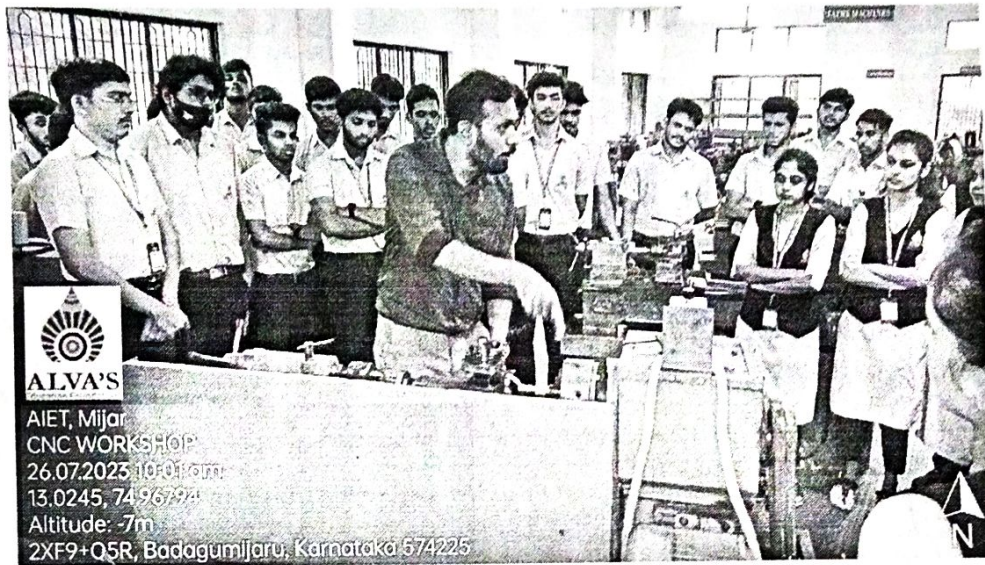
After each technical session, interactive question and answer sessions were held, allowing participants to seek clarifications and engage in meaningful discussions. This segment fostered an atmosphere of active learning and encouraged students to clarify doubts and deepen their understanding of CNC machining concepts.





### Session 3: Part Programming

Post a brief refreshment break, the afternoon session commenced with Prof. Pramod Kumar N leading an in-depth discussion on part programming for CNC machines. Prof. Kumar, a seasoned programmer and industry practitioner, imparted the fundamentals of G-code programming, explaining the syntax, commands, and logical sequence required to control CNC machines effectively. He also demonstrated the use of computer-aided manufacturing (CAM) software and simulation tools for accurate part visualization and error detection.



### Session 4: CNC Hands-on Training

The highlight of the workshop was the hands-on training session, where the students had the unique opportunity to work with CNC machines themselves. Under the watchful guidance of Prof. Pramod Kumar N, the participants learned how to set up workpieces, align tools, and execute pre-programmed tasks. They experienced firsthand the intricacies of material removal, tool changes, and machine adjustments, gaining invaluable practical insights.





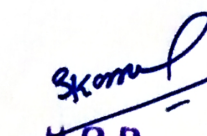
**Department of Mechanical Engineering**

**Student list for the Academic year 2022-23**

<b>IV- Year</b>		
1	4AL18ME009	Chiranth p
2	4AL18ME018	Karthik
3	4AL18ME020	Kundar Bhushan R
4	4AL18ME025	Nishanth
5	4AL18ME032	Vyshnav S B
6	4AL18ME033	Yashwanth k
7	4AL19ME002	Abhishek Vinod
8	4AL19ME003	Ajay Kumar J
9	4AL19ME004	Aromal A
10	4AL19ME005	Bhoomika K R
11	4AL19ME006	Christon lloyd pinto
12	4AL19ME007	D Jay Kumar
13	4AL19ME008	Denil Paul
14	4AL19ME009	Dinesh KAMALAKAR Naik
15	4AL19ME010	Gurukiran
16	4AL19ME011	KETAN ARJUN KARANDE
17	4AL19ME012	Likhith S Shetty
18	4AL19ME013	Manoj Kumar A
19	4AL19ME014	Mohan Gowda
20	4AL19ME015	Nandana M Hegde
21	4AL19ME016	Naveen Bilagi
22	4AL19ME017	Nikhil Gowda T
23	4AL19ME018	Nikhil M
24	4AL19ME019	Prajwal R
25	4AL19ME020	Praveen Talwar
26	4AL19ME021	Prithviraj H K



27	4AL19ME022	R Goutham Gowda
28	4AL19ME023	Rahul
29	4AL19ME024	Rakesh S
30	4AL19ME025	Sameer
31	4AL19ME026	Satwik Vigneshwar Gunaga
32	4AL19ME027	SHARANYA SHETTY
33	4AL19ME028	Srishail S
34	4AL19ME029	Tejasgowda M
35	4AL19ME030	Umarfarooq Khanshired
36	4AL19ME031	Venkata Shiva Reddy
37	4AL19ME032	Vishnu V N
38	4AL19ME033	Devam Manish Vora
39	4AL19ME034	Yashaswini Ashok Melavanki
40	4AL19ME035	Yathin
41	4AL19ME036	karthik r ashok m. k
42	4AL19ME037	Chethan U N
43	4AL19ME700	Bhoomika B J
<b>Lateral entry</b>		
44	4AL20ME400	Divakara Shettigar
45	4AL20ME401	Lohith Arkachali
46	4AL20ME402	Pavan Kumar

  
**H. O. D.**  
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**Department of Mechanical Engineering**
**Student list for the Academic year 2022-23**

III- Year		
1	4AL20ME001	Adhwith
2	4AL20ME002	Akshar N
3	4AL20ME003	Babugouda Shankaragouda
4	4AL20ME004	Chandan Bhosale Urf Hagedal
5	4AL20ME006	Chiranth H S
6	4AL20ME007	Dileep P R
7	4AL20ME008	Frison Nikhil Martis
8	4AL20ME009	Girish B Bannikoppa
9	4AL20ME011	Jenny Fernandes
10	4AL20ME012	Manoj Kumar Karnam
11	4AL20ME013	Manu K N
12	4AL20ME014	Mohammed Swahid
13	4AL20ME015	Mohammed Fahad H
14	4AL20ME016	Navyashree H B
15	4AL20ME017	Pallavi P
16	4AL20ME018	Pavankumar H R
17	4AL20ME019	Rakshith S
18	4AL20ME021	Varun S Bhandary
19	4AL20ME022	Vignesh
Lateral entry		
20	4AL21ME400	Doddamallia
21	4AL21ME401	Rahul Kambar
22	4AL21ME402	Rakesh Kelagadi
23	4AL21ME403	Sachin Rathod
24	4AL21ME404	Sandeep Jarale

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H.O.D.

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PRINCIPAL



**Department of Mechanical Engineering**

**Student list for the Academic year 2022-23**

II- Year		
1	4AL21ME001	Ajith R
2	4AL21ME002	Akhil Sharma K
3	4AL21ME003	Akshay Krishna M
4	4AL21ME004	Charan Kumar
5	4AL21ME005	Dharshith A
6	4AL21ME006	Melvin Vinay sera
7	4AL21ME007	Mohammad Swalih
8	4AL21ME008	Narayan V
9	4AL21ME009	Navaneeth H Shetty
10	4AL21ME010	Nithin M
11	4AL21ME011	Paigambar S Nadaf
12	4AL21ME012	Prashanth H A
13	4AL21ME013	Shashwath R Gowda
14	4AL21ME015	Sudesh D Shetty
Latral Entry		
15	4AL22ME400	KARTHIK GOWDA BC
16	4AL22ME401	KARTHIK DHANNUR
17	4AL22ME403	PRAVEEN VEERAPPA CHAVADI
18	4AL22ME402	KRISHNA KYADGIHALLI

  
H.O.D.

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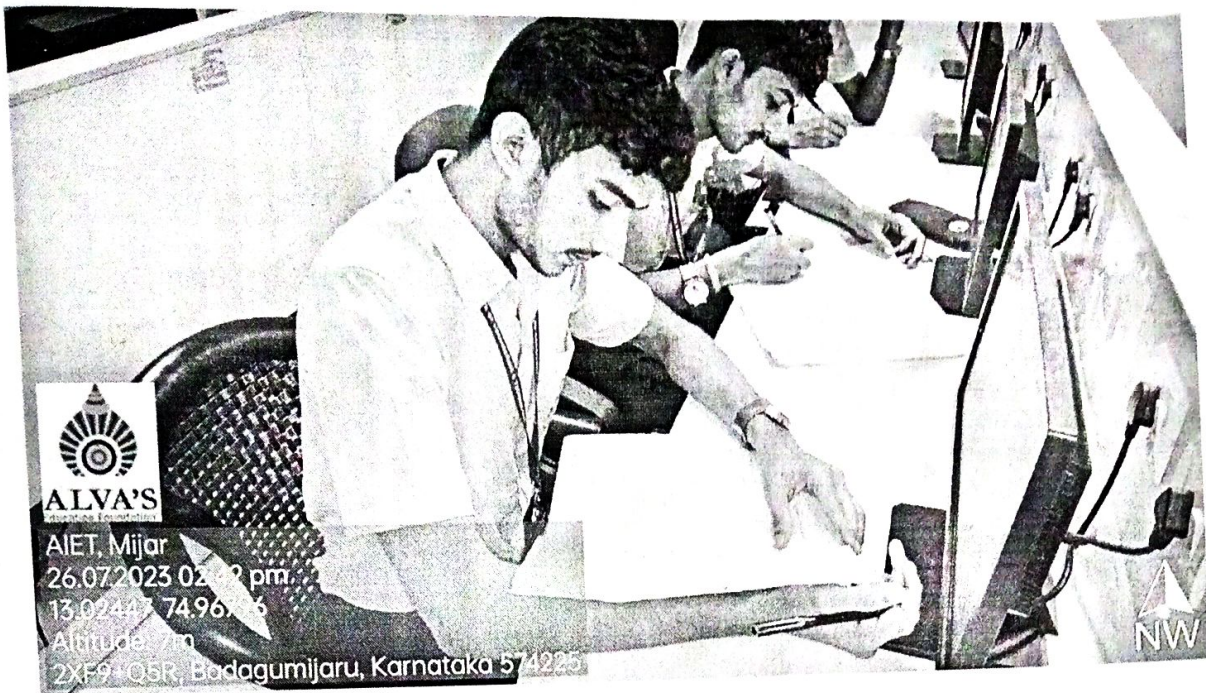
**Department of Mechanical Engineering**
**Student list for the Academic year 2022-23**

<b>I - Year</b>		
<b>Sl.No.</b>	<b>USN</b>	<b>Names</b>
01	4AL22ME001	ADHITYA MU
02	4AL22ME002	ANANTHESH D KAMATH
03	4AL22ME003	ANWESH R SHETTY
04	4AL22ME004	ELVIN CHRIS DSOUZA
05	4AL22ME005	KEERTHAN GOWDA K
06	4AL22ME006	KRUPAKARA H
07	4AL22ME007	MOHAMMAD SHAREEK
08	4AL22ME008	PRADEEP
09	4AL22ME009	SAMARTH
10	4AL22ME010	SHREEGOVINDA R
11	4AL22ME011	SHYAM
12	4AL22ME012	VEERESH
13	4AL22ME013	VINAY KUMAR S
14	4AL22ME014	VISHWAS KONDA

  
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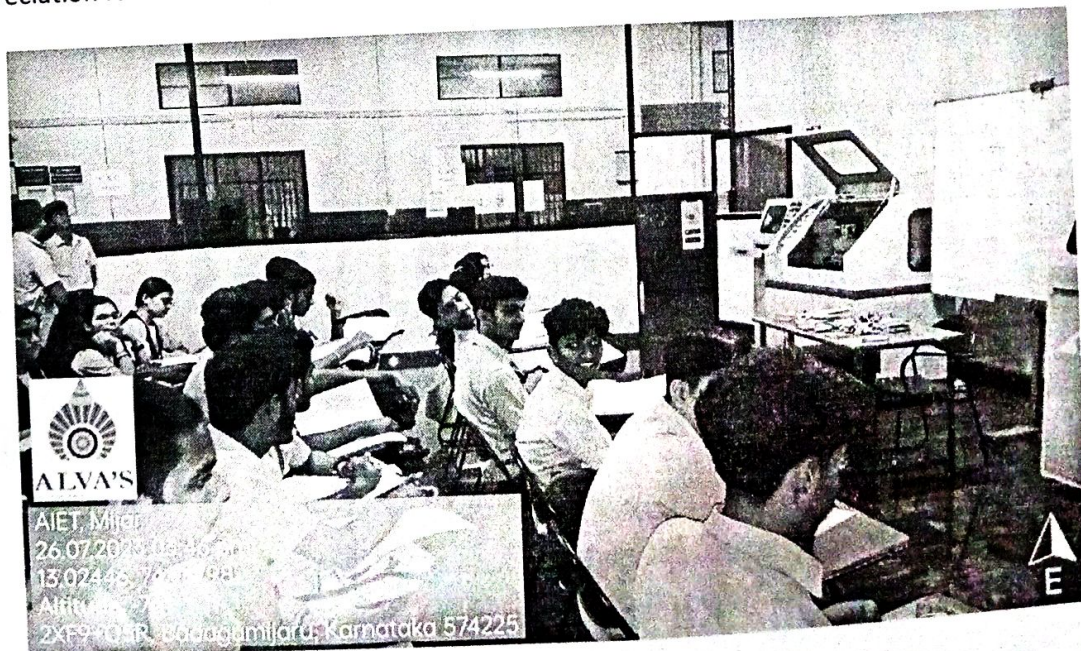
  
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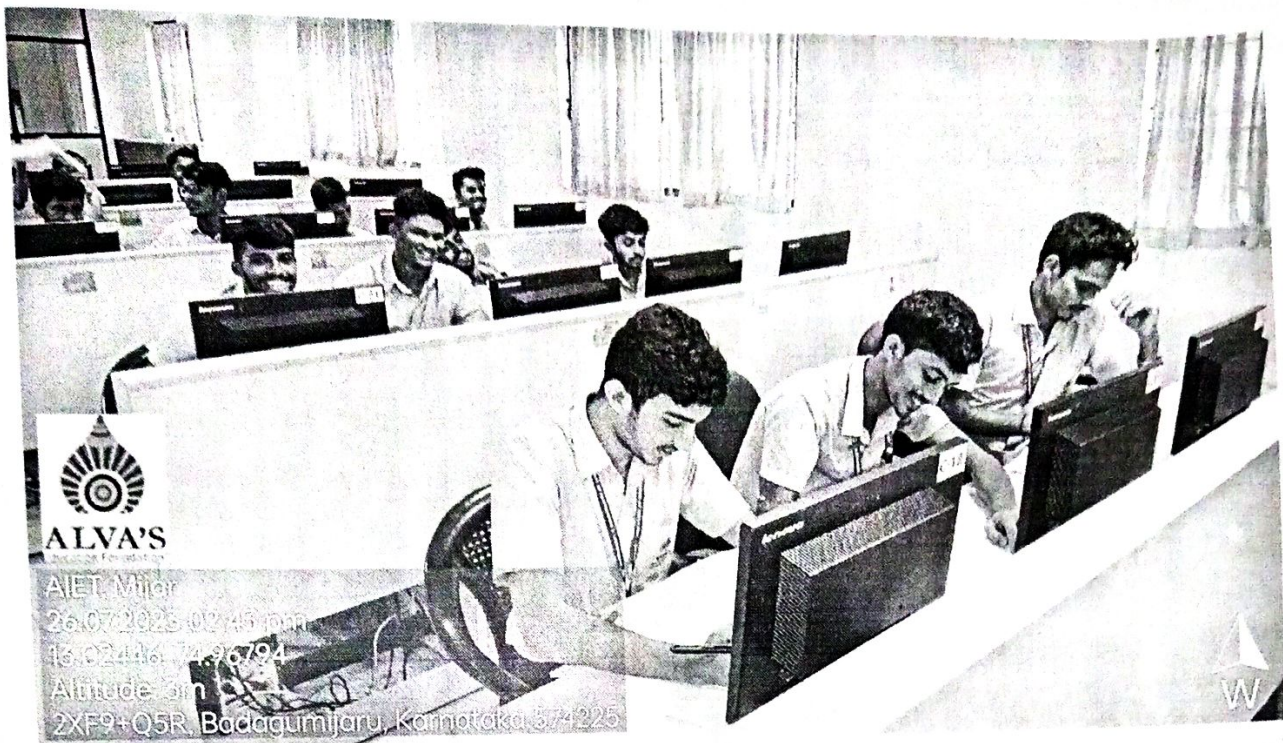


#### Industry Perspectives and Guest Speaker Talk:

To provide a broader outlook, a distinguished guest speaker from the manufacturing industry was invited to share insights into the current trends and challenges faced by CNC machining in the real-world scenario. The speaker emphasized the importance of skilled technicians in driving manufacturing efficiency and competitiveness. The workshop concluded with a valedictory ceremony, where certificates of participation were distributed to all attendees. The Head of the Mechanical Department expressed gratitude to the trainers, speakers, and participants for their active involvement and dedication. The participants shared their feedback, expressing their appreciation for the informative and engaging workshop that enriched their knowledge and skillset.



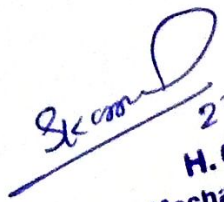




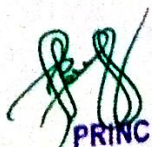
#### Conclusion:

The "Introduction to CNC Turning and Milling" workshop at Alva's Institute of Engineering and Technology was a resounding success, achieving its objectives of providing students with theoretical knowledge, practical experience, and industry insights in CNC machining. The event not only contributed to the personal and professional growth of the participants but also strengthened the institute's reputation for academic excellence and industry-oriented learning. The workshop's impact is expected to resonate positively with the students' future careers in the dynamic world of manufacturing and technology.

  
23/7/23  
Workshop Coordinators

  
23/7/23  
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