



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MECHANICAL ENGINEERING

Alumni Association

Workshop on “3D Printing”

19th DECEMBER 2023

Academic Year: 2023-24

**NEW HORIZON
COLLEGE OF ENGINEERING**
DEPARTMENT OF MECHANICAL ENGINEERING

Alumni Association
organises
Workshop on,
“3D PRINTING”

ASWAJIT B.
Jr. Service Engineer
at Torishima Pumps India Pvt. LTD.
Co-Founder of StealthEdge Avionics

ANJAN KUMAR M.S.
Jr. EPZ Engineer
at Steer Engineering Pvt. LTD.
Co-Founder of StealthEdge Avionics

ORGANISING COMMITTEE:

Dr. SUDARSHAN T.A. FACULTY COORDINATOR Sr. Asst. Professor, Dept. of Mechanical Engineering, NHCE	Prof. HANAMANT YARAGUDRI ALUMNI COORDINATOR Sr. Asst. Professor, Dept. of Mechanical Engineering, NHCE	Prof. RAKESH C. HEAD OF DEPARTMENT Dept. of Mechanical Engineering, NHCE
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19TH DECEMBER 2023
(TUESDAY), 10:30AM **INDUSTRY 4.0 LAB,**
SVBP BLOCK, NHCE

Alumni's Details:

- **Aswajit B -1NH19ME018**
Jr. Service Engineer at Torishima Pumps India Pvt.
Ltd. Bangalore
Co-Founder of StealthEdge Avionics

- **Anjan Kumar M S -1NH19ME015**
Jr. EPZ Engineer at Steer Engineering Pvt.Ltd.
Bangalore
Co-Founder of StealthEdge Avionics

REPORT

Date: 19th August 2023

Day: Tuesday

Alumni coordinator Prof.Hanamant Yaragudri and Faculty coordinator Dr. Sudarshan T A organized workshop session on "3D Printing" for our students. In the morning, at 10:20 AM, we were assembled in the Capgemini Industry 4.0 Lab. The session was organized for the 3rd as well as 5th Semesters. After everyone had assembled in major numbers, we were introduced to the guests, Mr. Aswajit B and Mr. Anjan Kumar M S, who are in fact Alumni of our college. Mr. Aswajit works as a junior service engineer in Torishima Pumps India Pvt limited & Mr. Anjan Kumar M S works as Jr. EPZ engineer at a firm called Steer Engineering Pvt Ltd. Together they have co-founded a company, Stealth-Edge Avionics.

Initially, after introduction, Mr. Aswajit B gave us a brief overview and objective of the session and explained about the basics and evolution of 3D printing and Additive manufacturing. He explained about various types of Additive manufacturing processes and different types of materials used in 3D printing. Then he handed over the reins to Mr. Anjan Kumar M S, who proceeded to explain about a 3D printer, its parts and its working. We were given an opportunity for hands-on experience, when they selected a few students and made them to design a 3D model on CATIA V5 for printing. Then, step by step, Mr. Anjan Kumar M S showcased how a designed 3D model can be converted to another format suitable to be read by the printer. Then he told us about a software called Simplify3D, which will automatically generate G-codes to be read by the printer for printing. Thereafter, we all observed how the printer is set-up initially and the start of printing. Thereafter our Head of Department, Mr. Rakesh C addressed us. He told us about the importance of this session and also praised our Alumni's. At the end of the session, Prof. Hanumant Yaragudri and Dr. Sudarshan T A thanked the Guests on behalf of the students and the Mechanical department of NHCE. Our HOD sir felicitated the guests with saplings. After a few photo sessions, the session was brought to the end.



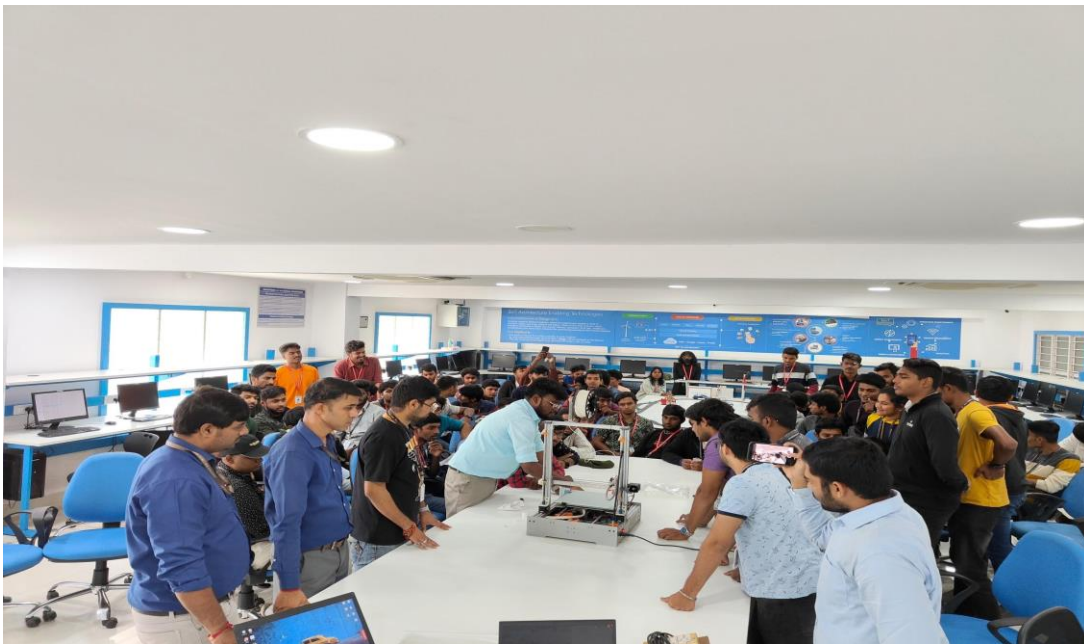
Mr. Anjan Kumar S addressing the students



Students observing and getting the Hands-on experience of 3-D printing.



Mr. Anjan Kumar teaching the students by giving demo of the printer.



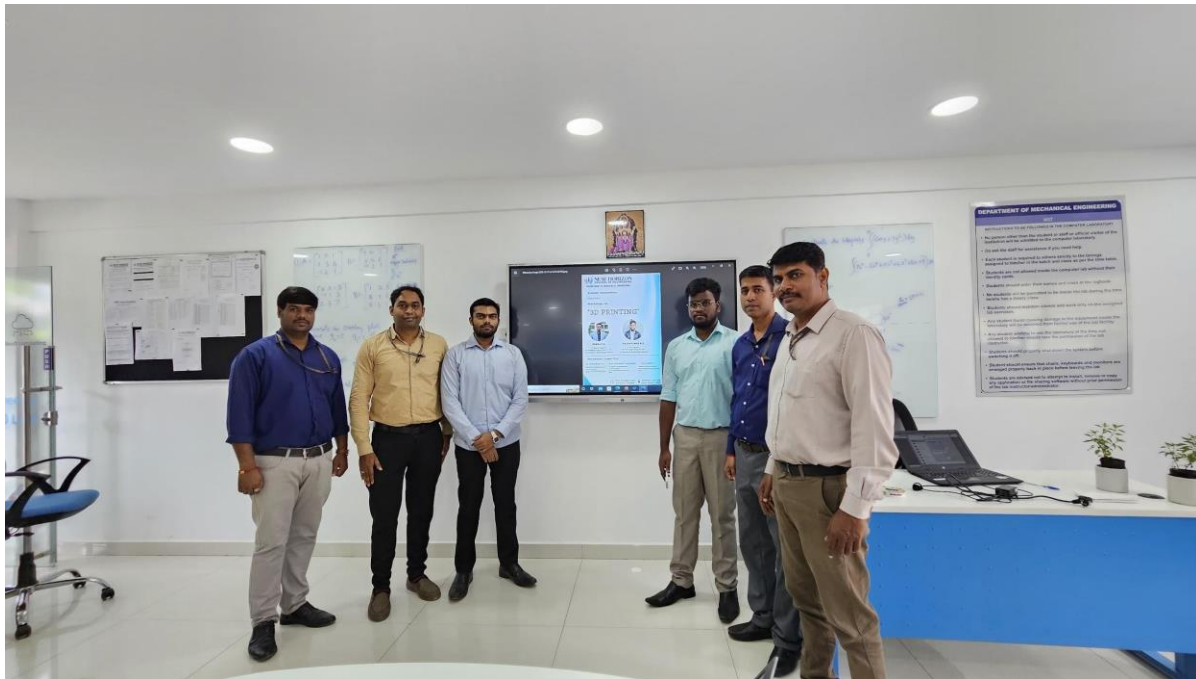
Mr. Anjan Kumar S addressing the students about different parts of the 3D printer.



Head of Department, Prof. Rakesh C addressing the students.



Head of Department, Prof. Rakesh C presenting saplings as a token of appreciation to the guests.



(From left) Dr.Sudharshan T A Sir (Faculty coordinator), Prof. Rakesh C (HOD), Mr. Aswajit B (Alumni), Mr. AnjanKumar S (Alumni), Prof. Hanmant Yaragudri (Alumni coordinator), Prof. Shivaprakash from Department of Mechanical Mechanical Engineering, New Horizon College of Engineering.

Prepared by: Amey R Chavan (5th sem student)

