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100 YEARS
1921 - 2021

3.3.2 Mechanical Engineering

Enhancing Student Skills: A 15-Day Development Program in Software Training

Introduction:

The rapid advancement of technology has made proficiency in software tools indispensable across various fields. Recognizing this need, a 15-day student development program was organized to provide hands-on training in software applications like Origin and Minitab 16. Coordinated by Dr. Nishant Kumar Singh and Dr. Virendar Kumar, the program aimed to equip over 70 students with practical skills essential for their academic and professional journey.

Program Overview:

The 15-day development program encompassed comprehensive training sessions focused on enhancing participants' proficiency in Origin and Minitab 16. These software tools are widely used in data analysis, visualization, and statistical analysis across scientific and engineering domains. Through a blend of theoretical concepts and practical exercises, students were guided to harness the full potential of these software applications.

Key Objectives:

1. To familiarize students with the user interface and functionalities of Origin and Minitab 16.
2. To provide hands-on experience in data analysis, visualization, and statistical techniques.
3. To empower students with skills applicable to research, academia, and industry settings.
4. To foster collaboration and networking among participants through interactive sessions.

Program Structure:

The program was structured into modules, each focusing on different aspects of Origin and Minitab 16. Sessions were conducted in a workshop format, allowing participants to actively engage with the software under the guidance of experienced instructors. Topics covered included:

- Introduction to Origin and Minitab 16: Basics of navigation, data input, and manipulation.
- Data Visualization: Creating plots, graphs, and charts for effective data representation. - Statistical Analysis: Exploring descriptive and inferential statistics using Minitab 16.
- Regression Analysis: Understanding regression models and their applications in Origin.
- Advanced Features: Delving into advanced features and functionalities to tackle complex analytical tasks.

Hands-On Training:

The cornerstone of the program was hands-on training, where participants had the opportunity to apply theoretical concepts in real-world scenarios. Guided by instructors, students worked on case studies and practical exercises designed to simulate common data analysis challenges. This interactive approach facilitated active learning and skill development.

Expert Guidance:

Dr. Nishant Kumar Singh and Dr. Virendar Kumar, esteemed experts in their respective fields, provided mentorship and guidance throughout the program. Their extensive knowledge and

experience enriched the learning experience, offering valuable insights and practical tips to participants.

Outcome:
At the conclusion of the 15-day program, participants demonstrated a proficient understanding of Origin and Minitab 16, equipped with the skills necessary to undertake data analysis tasks with confidence. The program not only enhanced technical proficiency but also fostered critical thinking and problem-solving abilities essential for academic and professional success.

The success of the 15-day student development program underscores the importance of practical training in software applications like Origin and Minitab 16. By bridging the gap between theory and practice, the program has empowered students to navigate the complexities of data analysis with ease. Dr. Nishant Kumar Singh and Dr. Virendar Kumar's dedication and expertise have been instrumental in shaping a cohort of skilled and competent professionals ready to make meaningful contributions in their respective fields.

क्रम सं/SL No :011208401

पेटेंट कार्यालय,भारत सरकार | The Patent Office, Government Of India

पेटेंट प्रमाण पत्र | Patent Certificate

(पेटेंट नियमानली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 533928

आवेदन सं. / Application No. : 202011024535

फाइल करने की तारीख / Date of Filing : 11/06/2020

पेटेंटी / Patentee : 1.Jitendra Bhaskar 2.Jyotika Singh

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *ORIGAMI FACE SHIELD* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जून 2020 के ग्यारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *ORIGAMI FACE SHIELD* as disclosed in the above mentioned application for the term of 20 years from the 11ᵗʰ day of June 2020 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख :
Date of Grant : 22/04/2024

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी – इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जून 2022 के ग्यारहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, If it is to be maintained, will fall / has fallen due on 11ᵗʰ day of June 2022 and on the same day in every year thereafter.