



INSTITUTE OF RENEWABLE ENERGY TECHNOLOGY & MANAGEMENT

PT. RAVISHANKAR SHUKLA UNIVERSITY

G.E. ROAD, AMANAKA, RAIPUR (C.G.)

Recognized by UGC, AICTE & Skill Council for Green Jobs

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Report-“Three days Workshop on empowering Innovation: Prototype/Process Design and Development with a Focus on elderly Care Reminder System”

Institute Innovation Council, Pandit Ravi Shankar Shukla University's (IIC) is consistently organizing various programs aimed at fostering entrepreneurship among university students and promoting advancements in the field of innovation. In this series, an online conference based on the theme "Empowering Innovation" focusing on prototype designing and development was organized. This two-day program was jointly organized by Pandit Ravi Shankar Shukla University, Raipur, and Dr. Ram Manohar Lohia Avadh University, Ayodhya, through collaborative efforts.

The workshop kicked off with an inaugural session that saw an engaging welcome address by Dr. Kavita Thakur, President IIC-PRSU, and Dr. Geetika Srivastava, Coordinator, Dr. Rammanohar Lohia Avadh University Ayodhya followed by insightful addresses from the esteemed vice chancellors, Prof. Sachchidanand Shukla of Pt. Ravishankar Shukla University and Prof. Pratibha Goyal of Dr. Rammanohar Lohia Avadh University Ayodhya, marking the significance of this workshop in the landscape of innovation and elderly care solutions.

The highlight of the day was the enlightening address by Dr. Honey Durgaprasad Tiwari, Chief Technical Officer at INKOR Technologies Pvt. Ltd., who shared his wealth of knowledge on the development and significance of technological solutions in improving the quality of life for the elderly. His session underscored the workshop's objective of fostering innovative thinking among students for the conceptualization and development of prototypes aimed at elderly care.

Following the inaugural ceremony, the workshop transitioned into highly interactive sessions. The first session led participants through the basics of prototyping and process design, while the second session delved into ideation techniques and concept development, where students were encouraged to brainstorm and sketch initial designs for various projects, including elderly patient care reminders, EV solutions, Vital Wear for next-gen health monitoring, and more. These sessions facilitated by renowned experts provided a foundation for students to explore and express their innovative ideas.

A total of three sessions were organized on the second day of the program which were based on tools designing, prototype testing and implementation.

In the third session, participants were introduced to design tools and principles of design thinking, focusing on their application in prototyping and hands-on practice have been given using Figma to develop detailed designs of the Elderly Care Reminder System, including wireframes, user interfaces, and interaction prototypes. The objective was not just to simplify tasks but to prepare students for real-world challenges in their careers.





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The fourth session, "Prototyping Testing and Evaluation," focused on strategies for testing and evaluating prototypes, emphasizing the importance of feedback incorporation. Participants learned how to conduct effective prototype testing, evaluate results, and use feedback for iterative design improvement.

The subsequent session, titled "From Prototype to Product/Process Implementation," aimed to address challenges and strategies related to scaling prototypes for production. Participants learned to plan for production using Trello, with a focus on transitioning the Elderly Care Reminder System prototype to production while considering potential challenges and strategies for overcoming them.

It promises to build on the momentum, with sessions focusing on advanced design tools and techniques, prototype testing, and evaluation, and a final segment dedicated to transitioning prototypes to production. These sessions aim to arm students with the necessary skills and knowledge to bring their innovative solutions to life, ensuring they are ready for real-world application.



