

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH
DEPARTMENT OF BIOTECHNOLOGY AND BIOINFORMATICS
Sri Shivarathreeshwara Nagara, Mysuru – 570015

Team Led by Dr. Mohan T. C and Dr. Charukesi R Achieves Second Prize at Health Innovation Technologies Hackathon (HIT-2025)

A research team from the **Plant Molecular Biology Laboratory, Department of Biotechnology and Bioinformatics, JSS Academy of Higher Education & Research (JSS AHER), Mysuru**, led by **Dr. Mohan T. C** and **Dr. Charukesi R**, won **Second Prize** at the **Health Innovation Technologies Hackathon (HIT-2025)** held on **12 December 2025**.

The event was organized by the **Department of Pharmaceutics, JSS College of Pharmacy, Mysuru**, in collaboration with the **SPARKLE CINE Foundation** and the **Intellectual Property (IP) Cell, JSS AHER, Mysuru**, and aimed at promoting innovative, translational technologies in health and life sciences.

At the hackathon, **Mr. Subrahmany Hegde** presented an innovation titled "**Root-Vue Hydroponics**," an efficient and innovative hydroponic system developed for the detailed study of plant root architecture. The concept was initiated by **Dr. Mohan T. C**, with the system designed and developed by **Mr. Subrahmany Hegde**, and key technical and scientific contributions from **Dr. Charukesi R** and **Mr. Ajay R. Bhat**, Research Scholar, Department of Biotechnology and Bioinformatics, JSS AHER, Mysuru.

The **Root-Vue Hydroponics** system enables clear visualization and controlled analysis of plant root architecture, providing a robust, adaptable platform for advanced root biology and plant research. The innovation was highly appreciated by the evaluation committee for its scientific merit, innovation potential, and practical applicability, leading to the award of **Second Prize**, along with certificates, a memento, and a cash prize. The team acknowledged the support and leadership of **JSS AHER, Mysuru**, for providing a conducive ecosystem to showcase innovations and for continued guidance toward translation and commercialization. This achievement highlights the institution's strong commitment to **innovation, interdisciplinary research, and student-led initiatives**, in line with national research and innovation objectives.