

Report on the Visit of Dr. Jayshree Advani to JSS AHER

JSS Academy of Higher Education & Research (JSS AHER), Mysuru, was honored to host Dr. Jayshree Advani, a distinguished Research Fellow at the National Eye Institute (NEI), National Institutes of Health (NIH), Bethesda, USA, from 2nd December to 4th December 2024. Organized by the Department of Biotechnology and Bioinformatics, this visit aimed to enhance academic collaboration, refine curricula, and provide valuable career mentoring to students and faculty. Over three eventful days, Dr. Advani actively engaged with the academic community through presentations, interactive sessions, and laboratory visits, leaving a lasting impact.

Day 1: Academic Orientation and Curriculum Review

The visit commenced with an inaugural session held in the SLS Auditorium, where Dr. Vishal Kumar Gupta, Dean of Academics, introduced Dr. Advani to JSS AHER's rich legacy of educational and research excellence. This session set the tone for insightful discussions and collaboration.

Dr. Advani delivered an inspiring presentation highlighting her pioneering research and the latest advancements in biotechnology and bioinformatics. Faculty members and postgraduate students were captivated by her expertise and global perspective.

The day included a curriculum review session where Dr. Advani offered invaluable recommendations to refine the bioinformatics program, aligning it with international standards. Her visits to the laboratories and the University Science Instrumentation Centre (USIC) provided opportunities to assess the research infrastructure, further strengthening the department's academic and research capabilities.



Dr. Vishal Kumar Gupta introducing JSS AHER's educational and research excellence during the inaugural session in the SLS Auditorium.

Following this, Dr. Advani delivered a presentation that captivated faculty members and postgraduate students. She highlighted her research achievements and the latest advancements in biotechnology and bioinformatics, inspiring the audience with her expertise and global perspective. The day also included a curriculum review session, during which Dr. Advani offered insights to refine the bioinformatics program. A visit to the laboratories and the University Science Instrumentation Centre (USIC) further allowed her to assess the research infrastructure and suggest enhancements to align with international standards.

Day 2: Collaborative Discussions and Scholar Engagement

The second day featured comprehensive presentations from JSS AHER faculty. Dr. Raveesha K.A., Dean of the Faculty of Life Sciences, outlined the achievements of the School of Life Sciences (SLS), while Dr. Gopenath T.S., Coordinator of the Department of Biotechnology and Bioinformatics, highlighted the department's key initiatives.

Dr. Advani engaged in dynamic discussions with faculty, focusing on integrating innovative research methodologies into the department's framework. Her interactions with research scholars proved invaluable as she provided constructive feedback on their projects and encouraged a global outlook in their research. These sessions reinforced collaborative ties and inspired participants to enhance the quality and impact of their work.



Dr. Raveesha K.A. presenting the vision and achievements of SLS and the Department of Biotechnology & Bioinformatics



Dr. Jayshree Advani presenting advancements in Biotechnology and Bioinformatics to faculty and students at JSS AHER

Day 3: Specialized Interaction and Career Guidance

The final day concentrated on targeted research discussions and career mentorship. Dr. Advani met with the Mycobacterium tuberculosis research team, led by Dr. Sumana K from the Department of Microbiology. Together, they explored advancements in tuberculosis diagnostics and therapeutic strategies, opening avenues for further collaboration.

Additionally, Dr. Advani conducted a seminar on career and research opportunities in life sciences, addressing undergraduate and postgraduate students. She offered valuable insights into global research trends, funding opportunities, and pathways for pursuing advanced studies and international careers. Her guidance inspired many students to consider higher education and research opportunities abroad.

The day concluded with a visit to the Center for Excellence in Molecular Research (CEMR), where Dr. Advani toured the state-of-the-art facilities and discussed their potential for groundbreaking research.



Dr. Jayshree Advani engaging in research discussions and guiding students on career opportunities in life sciences at JSS AHER



Dr. Jayshree Advani with Dean Academics , Head of the department , faculty and students of the School of Life Sciences, JSS AHER, after a successful interaction