



Annual Report 2023-24
SREE NARAYANA COLLEGE FOR WOMEN
KOLLAM



A. About IIC Institute

- Vision / Mission of IIC established at the Institute
Institute innovation council (IIC) has established at Sree Narayana College for Women during the academic year 2021-22, in view of fostering innovation and entrepreneurship among students and faculties. The institute started work in par with IIC initiatives, in view of achieving excellence in innovation ecosystem and in future disseminating culture of entrepreneurship in campus.

Mission:

- To establish and function ecosystem for scouting ideas and pre-incubation of ideas.
 - For the development of cognitive ability amongst students.
 - For preparing institute for NIRF innovation ranking system for higher educations.
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- Journey of IIC established at the Institute
Since its establishment, IIC has been acting as a supporting pillar in building innovation and entrepreneurship culture at our institution. The institute innovation council has been started with 11 faculty members, one external expert and 10 student members. The quarterly conducted council meetings had given insight on the effective implementation of IIC activities. Our institute have been the part of the IIC funded Impact lecture series during 2021-22 and 2022-23. During 2021-22 and 2022-23, our institution has been rated with 2 stars and one star respectively.
 - Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.
Interdisciplinary departments at the institute actively participates in the creation of innovation ecosystem. Expert faculty members from interdisciplinary area are heading the IIC activities. Science, commerce and arts student members are collaboratively work together in boosting the innovation ecosystem in the campus. Material science, nanotechnology, bionanotechnological etc. are the major interdisciplinary innovation fields in contributing towards innovation at our institute.

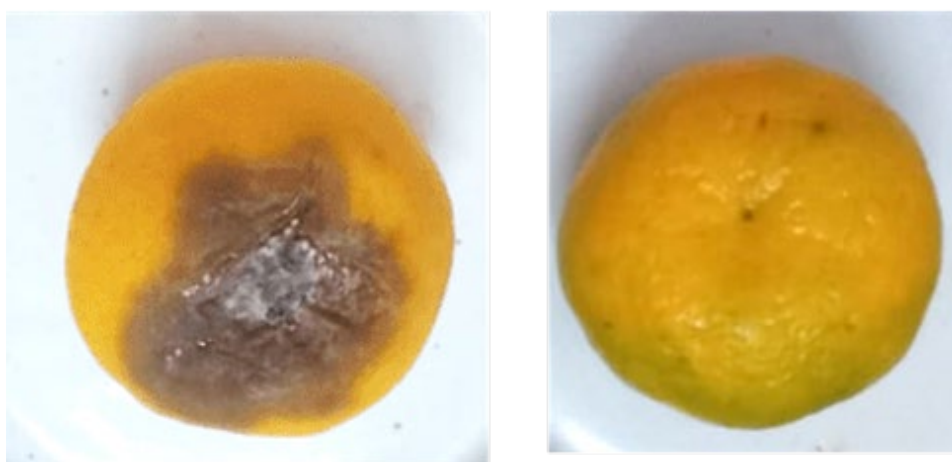
B. Brief mention of key functionaries at the IIC Institute

- President - Dr. Asha Bhanu A.V
- Vice President- Ms. Krishnasree R S
- Convenor- Dr. Poornima Vijayan P
- Coordinators
 - Dr. Berney B Raj (Internship activity coordinator & NIRF coordinator)
 - Sajitha S (Innovation activity and startup activity coordinator)

-Devipriya D (IPR activity coordinator)

- C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution
- Total No. of IIC Members- 36
 - Total No. of IAs - 11
- D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.
Fully equipped laboratory space, workshop, furniture, information facilities like Internet/Library, computer lab, water and electricity, land space, fish tanks, mushroom cultivation rooms, entrepreneurship club etc.
- E. Highlight Achievements (Narrative/Graphical/tabular representation)
- Number and Different types of I&E and IPR activities Conducted -16
 - No. of student's & faculty ideas generated - 3
 - No. of student's & faculty Innovation/prototypes developed -3
 - No. of IPs generated, published and granted -1
 - No. of Student & Faculty Start-ups/Ventures established-0
 - Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus -34,000/-
 - Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR – 54,000/-
 - No. of Technology Transfer and Commercialisation happened -0
- F. Highlight few best IIC Faculty/Student members and their achievements/
Rewarded for the innovations at different forum
[Profile of few faculties with 2-3 line of their achievements]

A new protective film based on cellulose nanofibres has been developed which could help to keep fruits and vegetables fresh and safe to eat for extended periods, at virtually no cost to the environment.



An unprotected and a coated orange after 13 days
The details of the product is published below:

<https://www.sciencedirect.com/journal/hybrid-advances/about/highlighted-articles>

- G. Highlight selected best Innovations & images with mention of inventor/innovation name
- Glucose sensing polymeric composite
 - E-skin patches for health monitoring
 - Antiviral mask
- H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name
- I. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation)



Sree Narayana College for Women, Kollam

Nanocoated Clinical Mask for Extra-Protection



Coating over outer layer & middle layer

Antimicrobial coating for clinical mask offers:

- Sustainable
- Durable
- Recyclable
- Super hydrophobicity



Indian Patent filed: application no. 202341031524



Sree Narayana College for Women, Kollam

Biowaste Derived Coating for Fruits and Vegetables

WEALTH from WASTE



PVA + Cellulose nanofiber + Nanocurcumin coating

Day 1

Day 13

Uncoated



Chitosan + Cellulose nanofiber + Nanocurcumin coating

Day 1

Day 5

Uncoated

Coating Offers:

- Antimicrobial activity
- Best consumer appeal
- Quality during storage

- J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
 - Smart India Hackathon etc.
 - YUKTI Innovation Challenge
- K. Detail of Social Media & Connections of IIC institute
- <https://www.facebook.com/Institutional-Innovation-Council-Sree-Narayana-College-for-Women-Kollam-109769054845839/>

- L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell
- M. Images
- N. Contact