

Annual Report 2021-22

Sree Narayana College for Women, Kollam



A. About IIC Institute

- Vision / Mission of IIC established at the Institute

Vision: Institute innovation council (IIC) has established in our institute during the academic year 2021-22, in view of fostering innovation and entrepreneurship among students and faculties. The institute started work in par with the central government initiative, in view of achieving excellence in innovation ecosystem and in future disseminating culture of entrepreneurship in campus.

Mission: To establish function ecosystem for scouting ideas and pre-incubation of ideas. For the development of cognitive ability amongst students. For preparing institute for ATAL ranking of institute on Innovation achievements framework (ARIIA).

- 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.



- Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

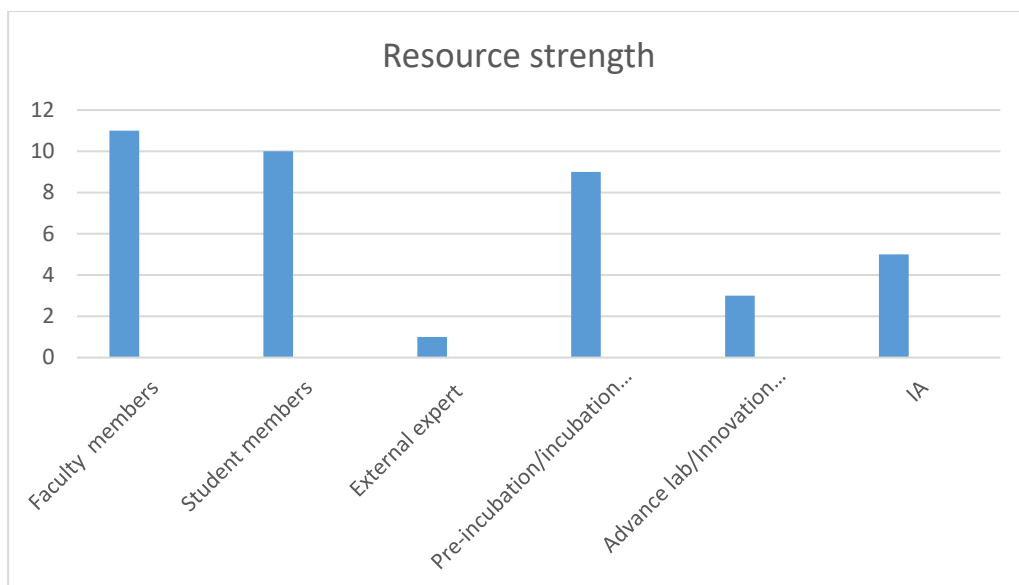
Interdisciplinary departments at the institute actively participates in the creation of innovation ecosystem. Expert faculty members from interdisciplinary area are heading the IIC activities. Science, commerce and arts student members are collaboratively work together in boosting

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

Sl No	Name	Role in IIC
1	Dr. Asha Bhanu A.V (Assistant Professor)	President
2	Dr. Poornima Vijayan P (Assistant Professor)	Vice President, ARIIA coordinator
3	Dr. Arunima S R (Assistant Professor)	Convener, IPR Activity coordinator
4	Sajitha S (Assistant Professor)	Innovation activity, Start-up activity coordinator
5	Dr.Berny B Raj (Assistant Professor)	Internship activity coordinator
6.	Dr.Usha S (Associate Professor)	NIRF coordinator
7	Dr.Selsa S (Associate Professor)	Member
8	Dr.Sandhya Suresh (Associate Professor)	Member
9.	Dr.Vijayalekshmi V (Assistant Professor)	Member
10	Krishnasree R S (Assistant Professor)	Social Media
11.	Devipriya D (Assistant Professor)	Member
12	Dr. Rathish I G (Assistant Professor, Inter university centre for IPR studies, CUSAT)	Patent Expert
13	R.S. Anantha Lekshmi (Student)	Social Media Coordinator, Member
14	Amritha A L (Student)	Member
15	Anjana Krishna (Student)	Innovation Coordinator, Member
16	Almas (Student)	Internship Coordinator, Member
17	Devi Ganga G (Student)	IPR coordinator, Member
18	S. Arya (Student)	Startup Coordinator, Member
19	Devayani S (Student)	Member
20	Gurunamma (Student)	Member
21	Janitha J (Student)	Member
22	Afnan S (Student)	Member

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution



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 etc.

The following are the major equipment's in the advance lab and innovation centre

SI No	Equipment	Center
1	Impedance analyser	Advanced Material Fabrication Lab
2	Electrochemical workstation	Material Science Facility
1	UV-visible spectrophotometer	Material Science Facility
2	Digital pH meter	Material Science Facility
3	Hot air oven	Material Science Facility
4	Muffle Furnace	Material Science Facility
5	Electronic water bath	Chemistry department
6	Rotary shaker	Chemistry department
7	Ultra-centrifuge	Chemistry department
8	Ultra-sonic cleaner (Sonicator bath)	Chemistry department
9	Vacuum desiccator	Chemistry department
10	IR lamp	Physics department
11	Magnetic stirrers	Chemistry department

E. Highlight Achievements (Narrative/Graphical/tabular representation)

Several students' ideas have been generated; among them 3 prototypes have been developed. Antiviral face mask, electronic skin and fruit coating are the major prototype developed.

An amount of 25000/- spent on promotion and awareness generation on Innovation Entrepreneurship in the campus.

An amount of 190000/- granted/fund supported to student & Faculty lead Innovations, start-ups and IPR

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]

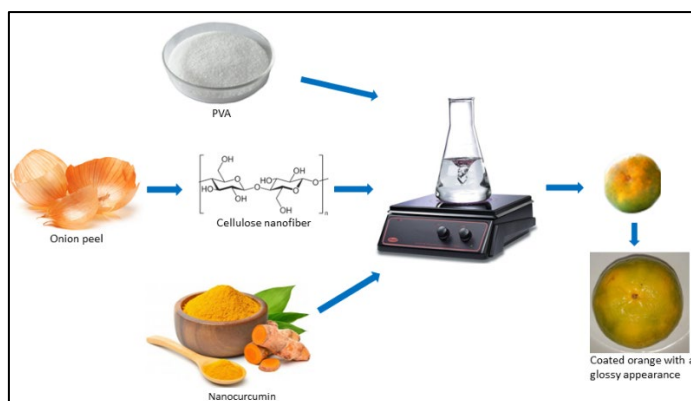
G. Highlight selected best Innovations & images with mention of inventor/innovation name

Antiviral mask -Inventor: Dr. Poornima Vijayan P (Faculty)



Masks developed using coated PP layer

Polymer based protective coating for orange
Inventor: Anjana Krishna S V (Alumni)



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

Development of antiviral mask coating is one of the key innovations. Economically viable and scalable method for producing self-sanitizing and reusable mask has been developed. The raw materials are cheap and easily available. Reusable masks with high filtering efficiency in affordable price has been offered. The product help to control the viral infection during pandemic situations by ensuring the safety of both public and medical workers. Large scale production of this mask ensures availability of sustainable and cost-effective masks in the market. The introduction of this product in the market would be a relief for health workers and public without compromising their duties.

J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs

- Participated in ARIIA 20-21 participation and recognised in the band 'Performer'



- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
Dr. Sajitha S, Assistant professor, Department of Commerce is the trained faculty. The NISP policy formation has been completed. The policy implementation is under verification.

K. Detail of Social Media & Connections of IIC institute
Facebook:

<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



Dr. Asha Bhanu A V, IIC president, Sree Narayana College for Women, Kollam receiving token of appreciation for her participation in knowledge sharing session during IIC regional meet, Kochi 2022.



Mushroom cultivation



Medicinal plant gardening



First harvest from adopted village at Kottankara Panchayat

N. Contact

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