

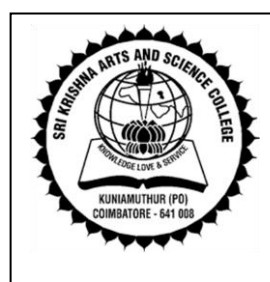
SRI KRISHNA ARTS AND SCIENCE COLLEGE

(An Autonomous Institution affiliated to Bharathiar University, Coimbatore)

Re- accredited by NAAC with “A” grade

NIRF RANKING 29th in 2020

5 Star Rating in IIC



Institution's Innovation Council

Annual Report – 2020 – 2021



A.About Sri Krishna Arts and Science College

Sri Krishna Arts and Science College was established in 1997 and currently offering 31 Undergraduate Programmes, 13 Post Graduate Programmes and 8 Research Programmes with the student strength of 8300. It has an enviable infrastructure covering up to 3.4 acres of land. Nestled in the Western Ghats it reflects the lush landscape of its surroundings. The College follows the latest ICT methods in Teaching and Learning and we as a team are continuously striving towards greater heights.

Major achievements

- Secured 29th Rank in NIRF 2020 at National Level.
- Re-accredited by NAAC with 'A' grade, CGPA 3.26.
- 1st in Institutional Swachhata Ranking, 2019 at National level in the College category.
- Swachhta Mentorship – To mentor five colleges in the geographical vicinity to inculcate the Swachh related awareness.
- Partnered in Swachhta Action Plan (SAP) in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), MHRD.
- Rural Entrepreneurship Development Cell (REDC) established by Sri Krishna Arts and Science College in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), MHRD to identify and promote the potential of the rural youth.
- Recognized under DBT-STAR college scheme from 2019 onwards.
- Selected under the "PARAMARSH" scheme by UGC, New Delhi to act as "NAAC Mentor".
- NPTEL Local Chapter has secured 26th position in National Level, and is listed in Top 100 SWAYAM-NPTEL Local Chapters among 3,325 LCs in India.
- Established Institution Innovation Council, Recognized by MIC, MHRD.
- Awarded 5 Stars and scored 98.3 out of 100 for the Institution Innovation Cell (IIC) activities by MIC, Ministry of Education, Government of India.
- ARIIA, MoE has ranked SKASC in the Band B Category i.e. ranked between 26- 50 Ranks Nationally.
- Research, seminar, conference grants have been received from various apex bodies like AICTE, TANSOCST, DBT, UGC, NAAC, UBA and NHRC.

- Linked with I-STEM for R&D services.

More than 85% students were placed through campus placement

Vision

Fostering a culture of Innovation & Progress by establishing Innovation Cell with a purpose of systematically adopting the culture of innovation at all levels.

Mission

IIC is focusing to create & strengthen the culture of Innovation and Entrepreneurship eco system across all departments to enable them in promoting and supporting student innovations and sustainable start-ups from academic institutions.

Journey of SKASC-IIC

SKASC established its own Innovation Cell in the year 2018. The journey begins with MHRD's Leadership Talk Series by Eminent Personalities like Mr. Anand Mahindra, Mrs. Kiran majumdar shah and so on, which helped SKASC to inculcate the entrepreneurial culture in the young minds.

IIC of Sri Krishna Arts and Science College has been started with 7 faculty members and 300 student members under the Presidentship of Dr. P. Baby Shakila, Principal. Now, it is expanded with addition of 11 faculty members and around 3000 student members. The self driven activities includes Ideathon, Bootcamp, Proof of Concept, Prototype and Product Evaluation. Also, we have organized field visit and incubation visits.



The Institution's Innovation Council of SKASC facilitate the new start-ups for applying e-udyog aathar to the student members. Nearly 180 number of Workshops & seminars on Design Thinking & Innovation, IPR, Entrepreneurship and Start-up were arranged to motivate the student to become an entrepreneur.

Students achievement in Hackathon (SIH – 2020)

Students were participated in hackathon and a student team got a chance to share the idea with **Honorable Prime Minister of India**. SKASC is extremely proud of M.Shwetha, 4 th year MSC SS who had the opportunity to interact with our Honourable Prime Minister, Shri Narendra Modi on 1st August, during the Smart India Hackathon. She was among the 1000 projects at the 3-day software edition of SIH-2020.

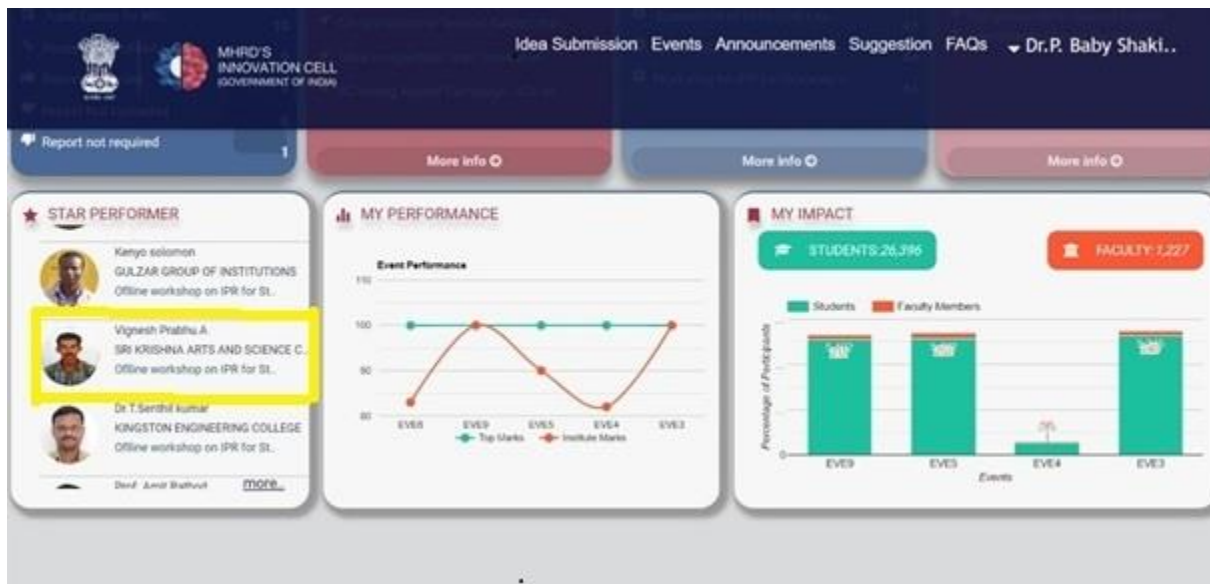
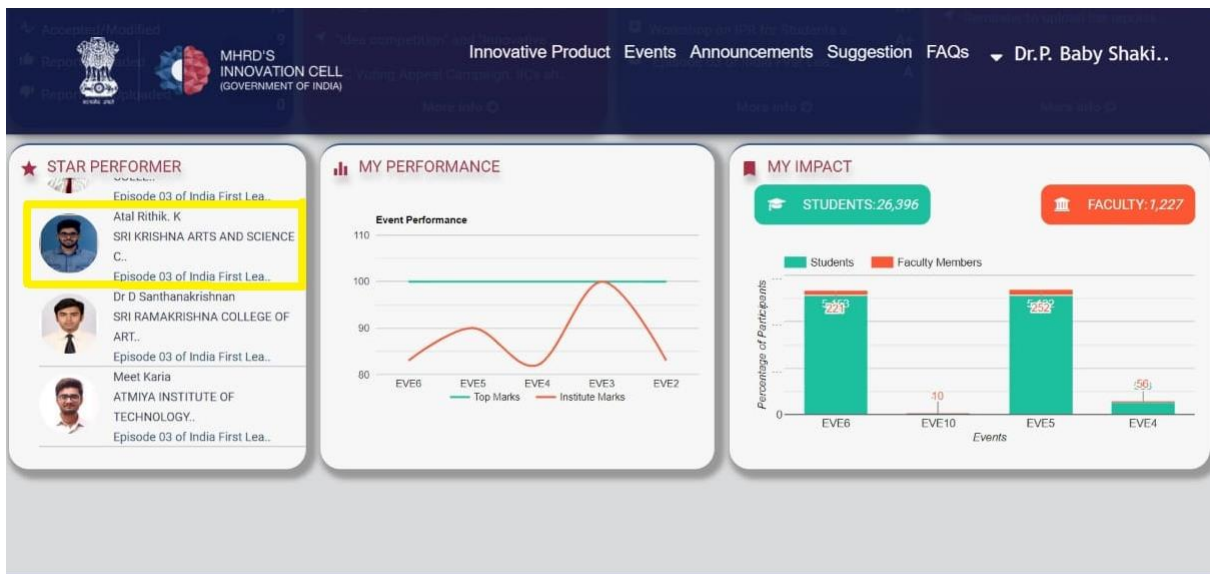
Each team had to code to find solutions for problems posed by state and central government departments. The problem statement of Shwetha's required her team to generate a healthcard for embankments and develop some preventive analysis for



embankment breaches. In their solution, they collected crowd sourced data from the public to include in the health card and by getting satellite data they used Machine Learning Algorithms to predict when the next breach might occur and take preventive steps to reduce the loss of human life and property. The Prime Minister, agreed that it was a major project and asked them to develop a training module or prototype to be implemented on a large scale.

Students Star Performer

Our college student of Bio Science Department **Vignesh Prabhu. A & Atal Rithik. K** had received the star performer in student category.

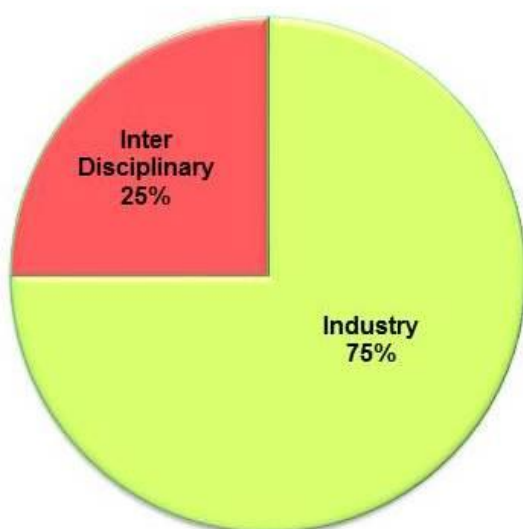


Diversified representation in the IIC established at the institute from industry, Interdisciplinary, Departments/ Units etc.

In the year 2018, the SKASC IIC bagged 4 Stars Status. The very next year SKASC geared up with its full strength & secured 5 star.

Representation from Industry

Diversified Representation in IIC



1. Mr. Nandakumar – CEO, DCloudway, Coimbatore.
2. Mr. LakshmiNarayanan – CEO, Sherpa Biotech, Coimbatore.
3. Dr. Vijay Prakash, Senior Manager, BioCon Private Limited, Bangalore.
4. Mr. B. Sundar, Entire Software Solutions, Chennai.
5. Mr. S. Rajesh Shiva, Founder, VVG Industries, Salem.
6. Mr. Selvakumar Varadharajan, CEO, Vilfresh Dairy, Layman Agro Private Limited, Coimbatore.

Representation from Interdisciplinary

1. Dr. Selvaraj, Professor, Department of Agronomy, TamilNadu Agriculture University, Coimbatore.
2. Dr. S. Karthikeyan, Renewable Energy, TamilNadu Agriculture University, Coimbatore.

B. Brief mention of key functionaries

President – Dr. P. Baby Shakila, Principal, Sri Krishna Arts and Science College, Coimbatore

Convenor – Dr. B. Suresh, Head, Department of BioScience, Sri Krishna Arts and Science College, Coimbatore

Members

Dr. C. Sunitha, Head, Department of Computer Science, SKASC

Mr. C. Julian Gnana Dhas, Head, Department of Management Science, SKASC

Dr. S. Subbaiah, Department of Computer Science, Assistant professor, SKASC

Mr. M. Rajesh, Department of Management Science, Assistant professor, SKASC

Mr. V. Madhan, assistant professor, Department of Mathematics, SKASC

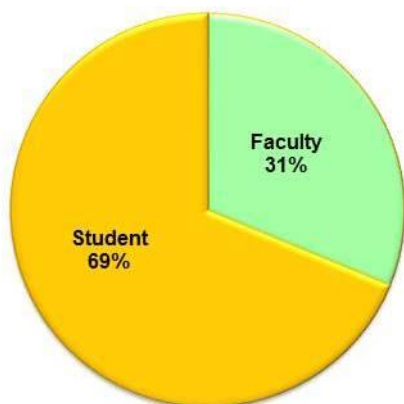
Dr. S. Narendhran, assistant professor, Department of BioScience, SKASC

Dr. M. Manikandan, assistant professor, Department of BioScience, SKASC

Dr. N. Sivakumar, Programme Incharge, Department of Commerce, SKASC

Resource Strength

IIC Member



The SKASC IIC has 62 members as a total to spread the innovation & entrepreneurial culture among the student community. The team comprises of 18 faculty members with 44 student members representing each department.

- ✓ Total No. of IAs - 14
- ✓ Total No. of faculty Mentors from Portal - 04

Pre-Incubation Units

The Institutions provides the pre-incubation facility for students and the incubates. Every pre-incubation is having Hi-Tech instrumentation and Trained Faculty. The students can access the pre-incubation centers without any additional cost for their utilization. The list of pre-incubation centers with the type of facilities as follows:

S. No.	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment
1.	Tycoon apex	Innovation Centre	2018
2.	Threads & Needle	Design Centre	2018
3.	Basic Training Kitchen	Start-Up Cell	2018
4.	Digital Signal Processing Laboratory	EDC	2018
5.	Bio-tech Hi-Tech Laboratory	Start-up Cell	2018
6.	Kick Start	Start-up Cell	2018
7.	IPR Cell	IPR	2018

IP Facilitation Unit – IPR Cell with 120 sq.ft. space assisted by Dr. S. Narendhran, assistant professor, skasc. We have conducted many Intellectual Property seminars and few workshop on IPR Filing & Patenting for the benefit of students & faculty members. Our staff, Mr. V. Madhan has been trained as innovation ambassador in IPR through MoE Innovation Cell.

D. Highlight Facilities, Infrastructure of Pre-Incubation, Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Infrastructure of Pre-Incubation Facility

The institution provides the following pre-incubation facility for effective conversion of ideas into prototypes. Testing was done by the incubates and students assisted by the

concern mentor in the lab. The pre-incubation facilities available with IIC of SKASC as shown below:

Threads & Needles Design Centre



JUKI's industrial sewing machines sew “stitches” for products in every field, from apparel products, sportswear, shoes, and bags to car seats. The stitching capability of JUKI's machines supports the global sewing industry.

The Hand-Operated Yarn Twist Tester determines yarn twist in turns per inch or meter in single or plied yarns with quadrant scale for standard or untwist / retwist methods. Test lengths adjustable up to 500mm or 20 inches. Suitable for S or Z twisted yarns, with mechanical reversible counter



Basic Training Kitchen



A range is a stove and has a source of fuel which is gas. It is a common kitchen appliance. It is used to cook all type of foods.

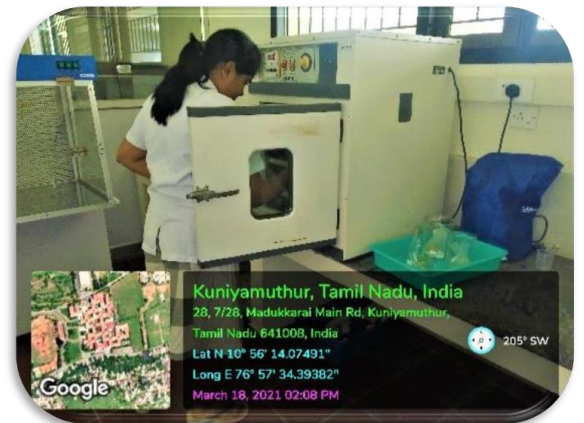
Digital Signal Processing



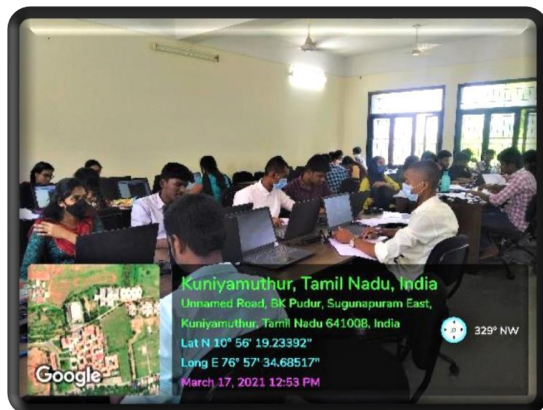
A signal generator is piece of test equipment that produces an electrical signal in the form of a wave. This is used as a stimulus for the item being tested.

BioTech Hitech Laboratory

An incubator is a device used to grow and maintain microbiological cultures or cell cultures. The incubator maintains optimal temperature, humidity and other conditions such as the CO₂ and oxygen content of the atmosphere inside.



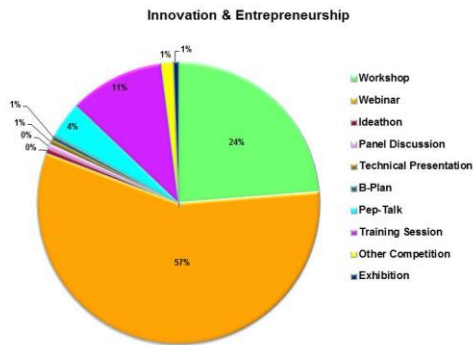
Kick Start



The lab facilities for Kick Start-up Cell which contains 120 Laptops.

Achievements of IIC SKASC

The IIC SKASC in the year 2020-21 has organized more than 370 programs. It includes innovation & entrepreneurship, IPR & Start-Up sensitization programs. The Innovation & Entrepreneurship activity includes Workshops, Webinars, Ideathon, Panel Discussion, Technical Presentation, B-Plan, Peptalk, Training Session, Exhibition & other competitions. The following pie chart depicts the percentage of programs organized under Innovation & Entrepreneurship.



The following bar chart depicts the percentage of programs organized under IPR



Ideas generated

The total number of 52 ideas were submitted by the students. In this, the panel shortlisted 20 innovative ideas as the best. The shortlisted 20 ideas were listed below:

S. No.	Title
1	Promoting Holistic Nutrition among Women and Children through the Help of Poshan Abhiyan
2	Emergency Case during Accident and Vehicle Impact
3	Online Appointment of Hospitals
4	Solar Based Irrigation System
5	Smart Street Light Management System
6	Mobile App for Medical Facilities
7	Truck Pool
8	Agricultural and Rural Development
9	Portal for Farmers To Sell the Product at Better Rate
10	Automatic Water Supply for Crops
11	BLU Aniozone A Chemical Free Sanitation Tunnel
12	Outfit Measuring System, Crypto 2020, Easy Homemade Herbal Shampoo, Smart Railway Compartment, Bullet Proof Jacket, Police Threshold
13	Cloud based Interactive Map Application to Record Real Time Crime and Emergencies
14	#TRACK
15	Detection of COVID-19 Symptoms using IOT
16	Survey on Home Security Surveillance System Based on Iot and Home Automation.
17	Covid 19 Warriors
18	Agriculture Saves Life
19	Cloud based Interactive Map Application to Record Real Time Crime and Emergencies
20	Know Your Bus

Students Start-ups/Ventures established

The two students Start-ups/Ventures established with the help of IIC SKaSC & they were successfully pursuing their business.

- Indriya Unisex Saloon & Spa
- Noliya Creations

Financial Support for Innovation & Entrepreneurship

- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus - Rs. 32,78,985
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR – Rs. 1,60,000

F. Highlight few best IIC Faculty/Student members and their achievements/ rewarded for the innovations at different forum

The following students were selected till final round in IIC SKASC innovation contest

Student Name	Title	Place
Shakthi P Biotechnology	Blu Aniozone - A Chemical Free Sanitation Tunnel	1st Place
Anirudh S Computer Science	Promoting Holistic Nutrition among Women and Children through the Help of It for Poshan Abhiyan	2nd Place
Balaharan S Computer Science & Applications	Portal for Farmers to Sell the Product at Better Rate	3rd Place

Best Innovations

- ✓ Innovation Name - Blu Aniozone - A Chemical Free Sanitation Tunnel
- ✓ Inventor Name - Shakthi P, Biotechnology

Start-ups established

- ✓ Start-up – Ms. Haripriya, Co-Founder, Indriya Unisex Saloon & Spa
- ✓ Start-up – Noliya

Participation of IIC-institute in various programs

- **ARIIA – Participation and Rank**

The IIC SKASC participated in ARIIA 2019 – 20 and bagged Band-B grade. We are awaiting for the 2020-21 result.

- **NISP Adoption Status**

The faculties were trained for the dissemination of National Innovation Start-Up Policy of India to all the student community of SKASC. They were attended all the training programs offered by NISP and gained the knowledge.

Under the leadership of president NISP SKASC, the policy and the team has been formulated for implementation.

- **Smart India Hackathon**

Smart India Hackathon (SIH) is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. The first three editions SIH2017, SIH2018 and SIH2019 proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India

SIH 2019

The students of Sri Krishna Arts and Science College participated in the SIH 2019, held on March 2nd and 3rd, 2019 at National Institute of Technology, Warangal.



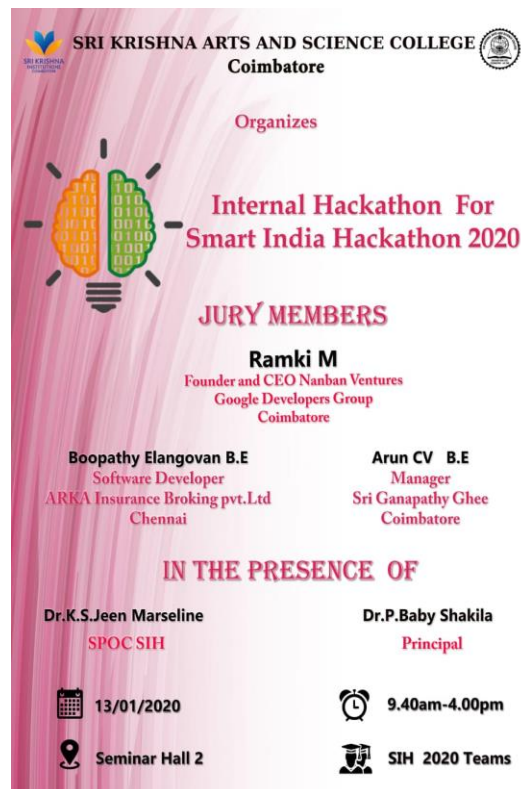
SIH team at National Institute of Technology Warangal

The student participants are from III M. Sc Software Systems, the participants of SIH 2019 grand finale are:

- Santhosh K
- Vigneshwar
- Jithin Joseph
- Harismitha
- Nivetha
- Srinithi

Name of the team was Cryptoknights. Mr.Suresh S, Assistant Professor, Dept. of SS was the Faculty mentor for the team.

INTERNAL HACKATHON – SIH 2020



Sri Krishna Arts and Science College organized an Internal Hackathon for Smart India Hackathon 2020 on 13th November 2020.

45 teams from the departments of Mathematics and Computer Science streams were the participants of this event. Dr.Jeen Marseline K.S, SPOC, SIH 2020 is the organizer of the event. The Chief Guests were

- Mr. Ramki M, Founder and CEO, Nanban Ventures, Coimbatore
- Mr. Arun CV, Manager, Sri Ganapathy Ghee, Coimbatore
- Mr. Boopathy Elangovan, Software Developer, ARKA Insurance Broking Pvt. Ltd., Chennai

The details of the shortlisted, waitlisted teams in hardware and software are listed below. These teams were the participants of SIH 2020.

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https://twitter.com/IIC_SKASC

<https://www.instagram.com/srikrishnaic>

Testimonials

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

The Institution's Innovation Council MoE, GoI trains the faculty and the students in all the directions to nurture the start-up and entrepreneurial culture. A wonderful opportunity for all the peers. Thanks to **Dr. Abhay Jere**, Chief Innovation Officer & **Mrs. Selvarani**, Innovation Officer, Southern Zone are providing us a wonderful opportunity.....

**Dr. B. Suresh, Innovation Ambassador,
Pre-Incubation Centre**



It was awesome experience attending the training programs of Innovation Ambassador. My heartfelt thanks to **Prof. Anil D. Sahasrabudhe**, Chairman, AICTE.

Training the students in developing the prototype made me to learn several interesting facts and to complete the target on time.....

**Dr. S. Subbaiah, Innovation Ambassador,
Design Thinking & Innovations**



The experiential learning of entrepreneurship through IIC activities and training programs made me a complete man of business. Feel excited. My thanks to **Mr. Dipan Sahu**, Assistant Innovation Director, MoE's Innovation Cell, AICTE.

**-Prof. M. Rajesh,
Innovation Ambassador,
Entrepreneurship and Start-Up**



The program KAPILA is a gift, an opportunity to unearth the potential in the field of Patent Filing and IPR. Thanks to the team.

- Prof. V. Madhan, Innovation Ambassador, Intellectual Property Rights



Working with a team for a novel product is always generates enthusiasm. Happy moments....spending time in Forge Accelerator. Thanks to IIC which made me a part of it.

Sarnith Kumar, M.Sc (Software Systems)

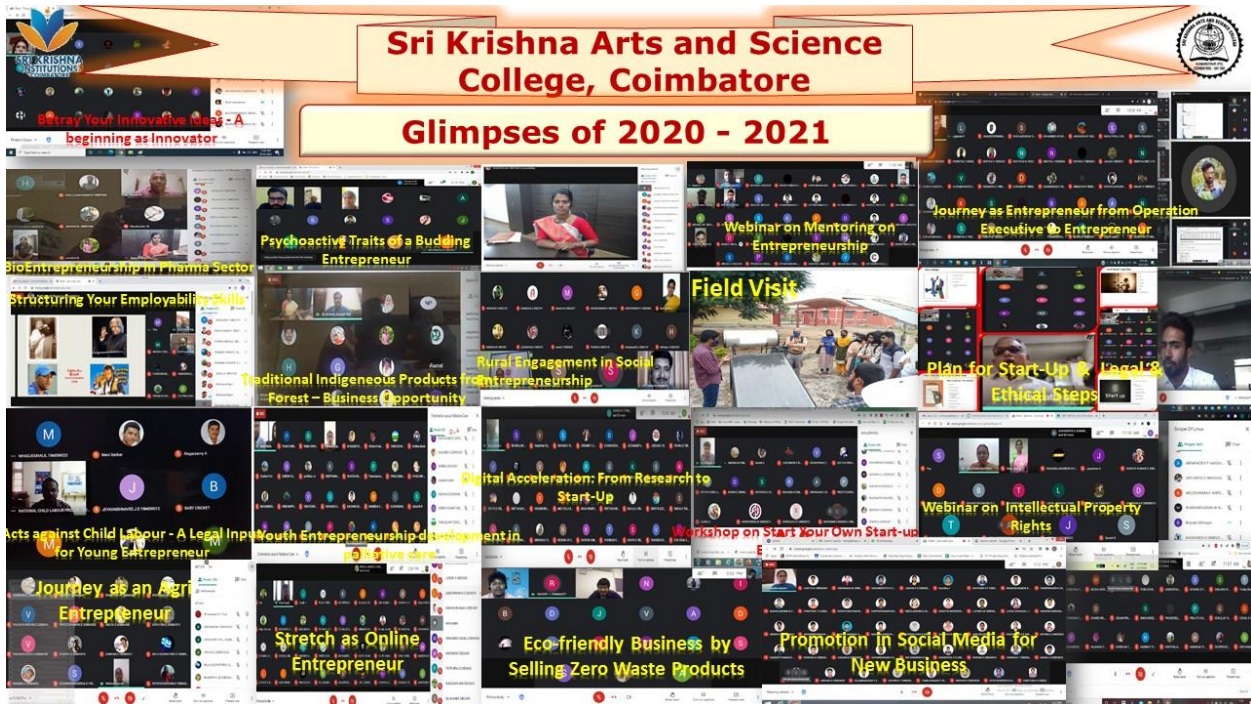


Always toy making is joyful experience. I feel **Prof. Manish Jain**, IIT, Gandhinagar awaken the child inside me.

- Reshmi, M.Sc (BioTechnology)



Images



Contact

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