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Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex
(Formerly known as Dr. Sudhir Chandra Sur Degree Engineering College)
540, Dum Dum Road, Surer math, Kolkata: 700074
Website: www.surtech.edu.in Email: info@dsec.ac.in



**Institutional Innovation Council
Annual Report 2022-23**

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

A. About IIC Institute

• Vision of IIC established at the Institute

To create a vibrant local innovation ecosystem and start-up supporting Mechanism in HEIs.

• Mission of IIC established at the Institute

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution’s Innovation portal to highlight innovative projects carried out by institution’s faculty and students.

• Journey of IIC established at the Institute

Academic Year	Journey of IIC
2018-19	IIC Established
	IIC Ranking was 1 star
2019-20	NISP Implementation started
	Participated in ARIIA Ranking
	IIC Ranking was 4 stars
2020-21	IIC ranking was 4 stars
	NISP Adopted
	Participated in ARIIA Ranking
2021-22	IIC Ranking of 4 Stars
	NIRF Innovation Ranking (within Band 151-300)
	NISP Practiced
	Applied for NBA Accreditation

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

Diversified Representation of IIC Members					
Members from Institute			Members from Industry		
Students	Teaching Staffs	Non-Teaching Staffs	Entrepreneur	Expert	Investor
9	9	5	1	2	1

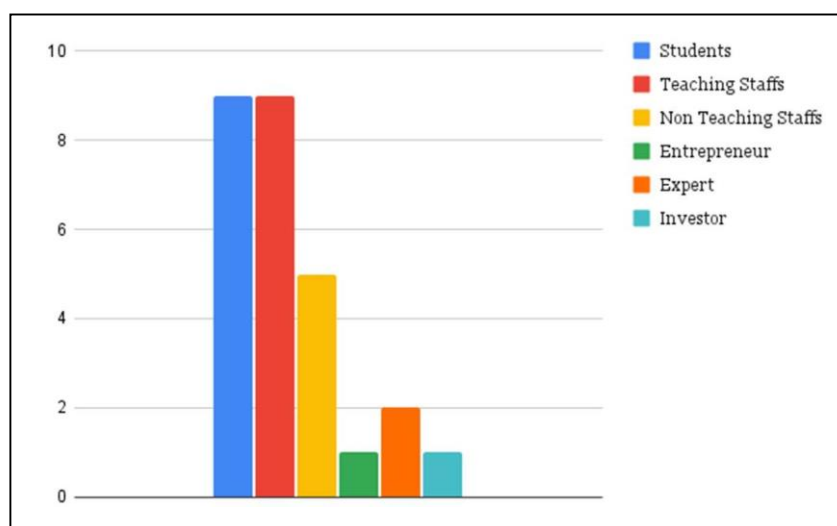


Image 1: Diversified Representation of IIC Members

B. Brief mention of key functionaries at the IIC Institute

President

- The President will constitute the IIC council and appoint its members. He/She is responsible for ensuring that Quarterly Council Meeting is planned effectively. Conduct Council Meeting in accordance with prescribed rules and that matters are dealt with in an orderly, efficient manner.
- He/ She will lead the IIC Council.
- He/ She will have the IIC portal Login ID and will be the custodian of IIC portal login and data/ reports uploaded therein.
- He/ She will call the meetings, set meeting agenda and will monitor the deliverable.
- He/ She will be the main point of contact with MHRD Innovation Cell.
- He/ She will respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and will be responsible to ensure decent performance of IIC.

- He/ She will coordinate with MHRD innovation cell and responsible for all the IIC activities in the institute.

He/ She will ensure Institution's participation in IIC calendar activity and take lead in the institution driven activities (own initiatives).

- He/ She will ensure the effective implementation of IIC activities with the help of Convenor.
- He could change the council members as per the decision taken in council meetings and update the information on portal.
- He/ She will be responsible for submitting the monthly progress/activity reports on the IIC portal.

Vice President

It is an Honorary post for a senior expert representative from Industry/Ecosystem enablers.

He/She can be from faculty representative as well in case no experts are available.

Convenor

- The Convenor will work in close coordination with IIC president and will provide help wherever required for smooth conduction of activities.

- He/ She will ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior to meeting with the inputs from all valuable council members and President.

- He/ She will ensure that the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.

- He/ She will collect the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.

Innovation activity coordinator

Will work to promote innovation related activities on campus or as mandated in IIC council meeting.

Start-up activity coordinator

Will work to boost start-up generation among students and related activities or as mandated in IIC council meeting.

Internship coordinator

Will work to arrange student internships in start-ups, so to expose them with start-up ecosystem in India, real-life challenges in start-up and their success stories or as mandated in IIC council meeting.

IPR activity coordinator

To promote awareness about IPRs and conduct related activities on campus or as mandated in IIC council meeting.

•

Social Media Coordinator

Will create and manage IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms. He / She will be responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms. He/ She will also ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

ARIIA Coordinator

Coordinate for ARIIA related activities.

NIRF coordinator

Coordinate for NIRF related activities.

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

Total number of IIC Members: 23

Total Number of Innovation Ambassadors: 9

Total Number of Faculty Mentors: 5

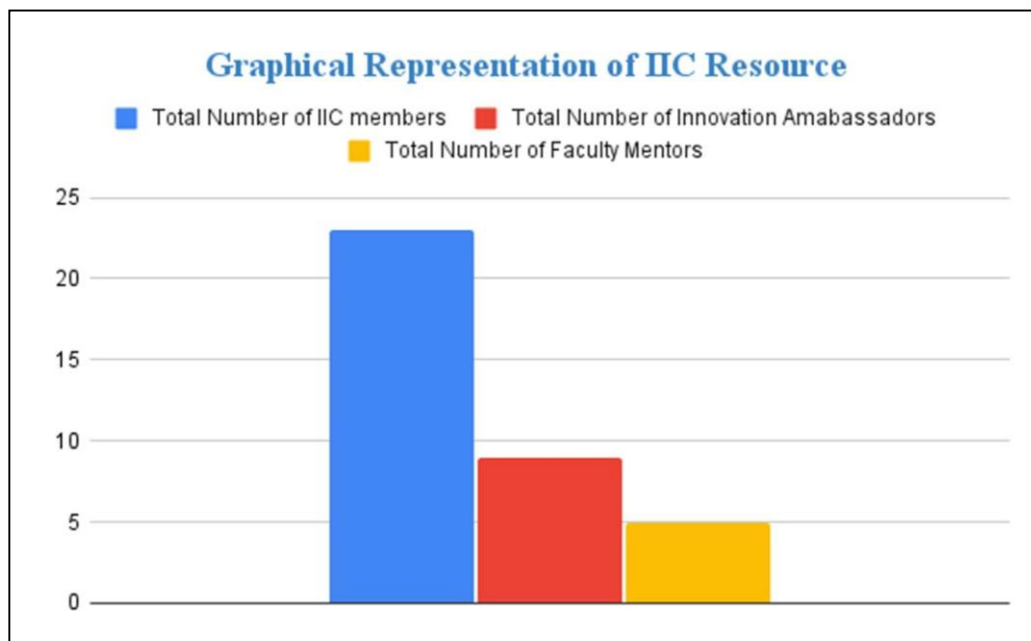


Image 2a: Graphical Representation of IIC Resources

- Pre-Incubation Units: 3
- Incubation Units: 1
- IP Facilitation Unit: 1

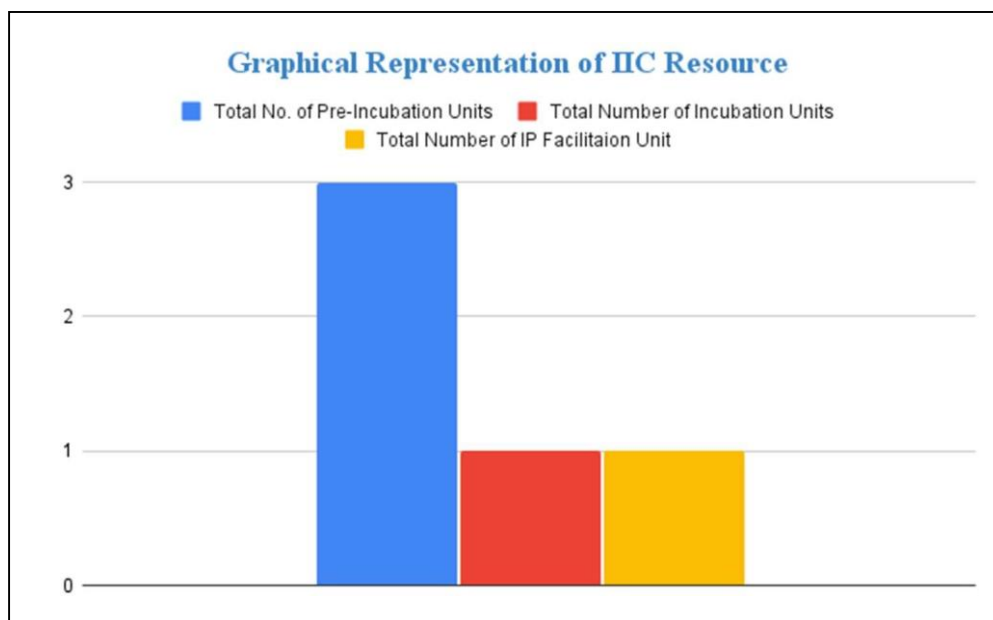


Image 2b: Graphical Representation of IIC Resources

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

Sr. No.	Type of the Unit	Name of Unit	Nature of Resource
1	Incubation Cell	Innovation and Incubation Cell	Own Resource
2	Pre-Incubation Cell	Logiczap Nextgen Technologies Incubation Unit	Own Resource
3		Idea-O-Meter	Own Resource
4		Centre of Automotive Research in collaboration with Hyundai	CSR/Private
5	IPR Cell	Research & Development Committee	Mentoring Support, Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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

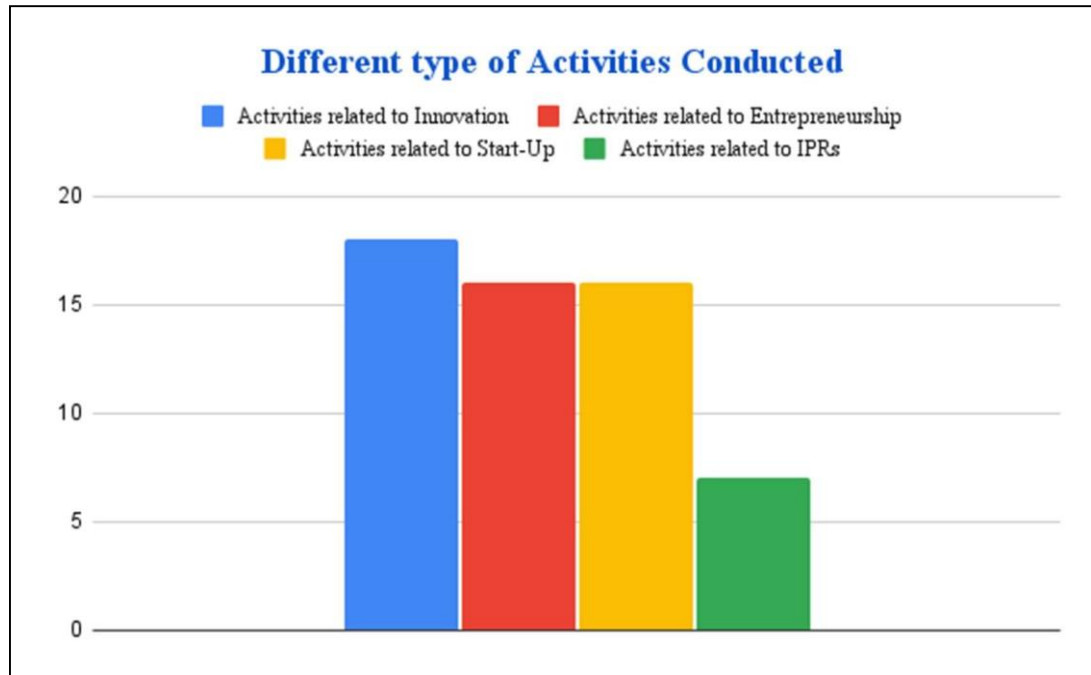


Image 3a. Innovation, Entrepreneurship, IPRs activity segregation

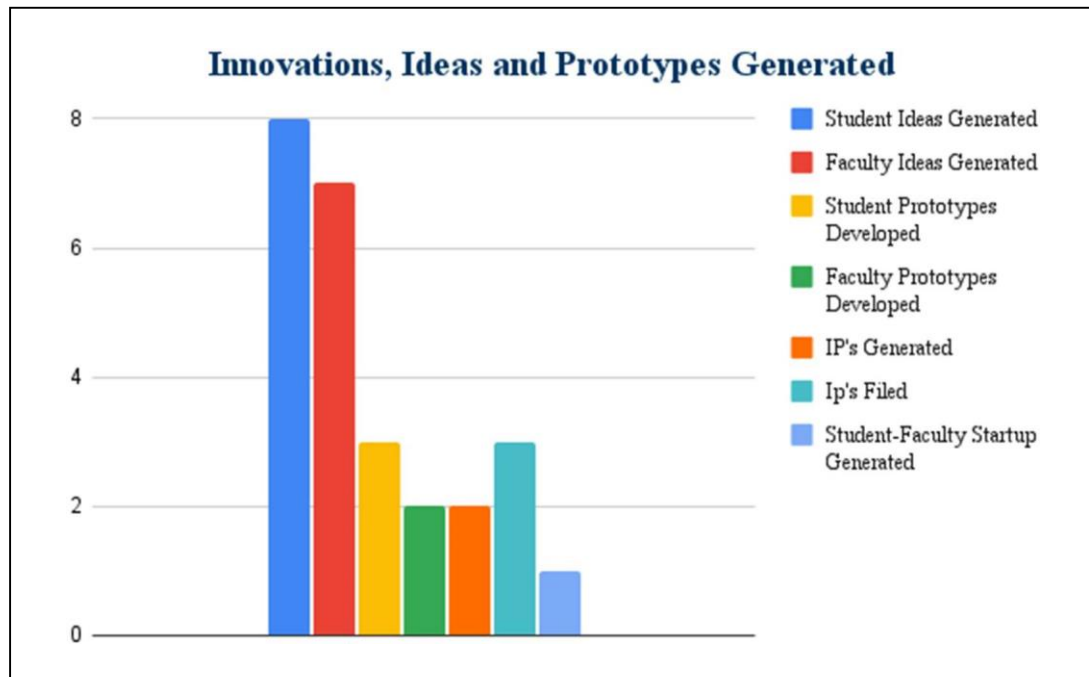


Image 3b. Innovations, Ideas and Prototypes Generated



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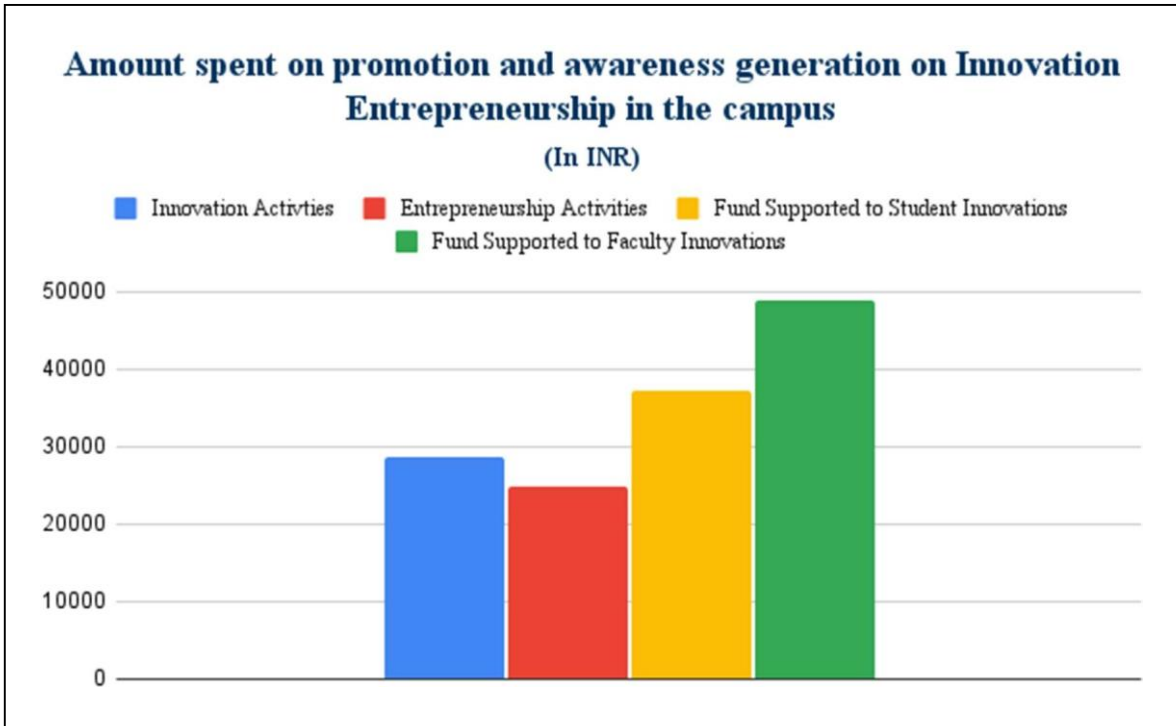


Image 3c. Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus

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

Sr. No.	Name of the Faculties and Students	Details of the Faculties and Students	Innovation Details	Rewarding Forums
1	a. Ms. Rumrum Banerjee b. Urmimala Chatterjee c. Tathagata Bose d. Amit Sharma e. Baishaki Das	a. Faculty, Department of Electrical Engineering b, c, d, e. Students, Department of Electrical Engineering	Lipstick Taser	AICTE Chatra Viswakarma Awards
2	a. Mr. Shankha Ghosh b. Aman Singh c. Aniket Singh d. Pitam Kundu	a. Faculty, Department of Automobile Engineering b, c, d, Students, Department of Automobile Engineering	Electric Bicycle with 6 speed transmission	Bengal Global Trade Expo, 2022
3	a. Mr. Supriya Dhara b. Soumya De c. Sumit Sinha	a. Faculty, Department of Automobile Engineering b, c. Students, Department of Automobile Engineering	Hyper Racer (Hybrid All Wheel Drive Buggy)	



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4	a. Mr. Kalyan Mukherjee b. Vedarko Dasgupta c. Hritam Lohar	a. Faculty, Department of Automobile Engineering b, c, d. Students, Department of Automobile Engineering	HEXADROLA-NCE (Drone for Medical Equipment Delivery)
5	a. Mr. Baibwasata Das b. Swarnajyoti Paul c. Kashmita Nath Sarkar	a. Faculty, Department of Civil Engineering b, c. Students, Department of Civil Engineering	Kinetic Road

G. List if any break through Innovations / Technology Developed at the institute(2-3 technology with 2-3 lines about technology and innovation

Lipstick Taser

Gender Responsive Mechanism to combat Domestic Violence

Name of the student	Batch	Innovation	Achievement
Tathagata Bose, Amit Sharma, Urmimala Chatterjee & Baisakhi Das	2018-2022	Lipstick Taser- Gender-Responsive Mechanism To Combat Domestic Violence	Selected at the AICTE Chhatra Vishwakarma Awards 2020

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



Participation in NIRF INNOVATION RANKING
DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX
 Band: 151-300 in the INNOVATION Category

- **NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation**

According to the guidelines of the MHRD's Innovation Cell, Dr. Sudhir Chandra Sur Institute of Technology & Sports Complex established Institution's Innovation Councils (IICs) to promote innovation and technology-based start-up ventures and thus contribute to the nation's developmental needs of creating knowledge, wealth, skills, and employment. In continuation of that, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex has formulated the Institute Innovation and Start-Up Policy at par with the NISP, 2019 and the Government of West Bengal I&E Policies.

The Innovation and Start-up Policy can be accessed at: <https://www.surtech.edu.in/nisp.php>

- **Smart India Hackathon etc.**

Nine teams participated in this event and they presented their proposals/ideas through PPT in front of three internal Jury members, regarding a specific problem statement, given in Smart India Hackathon Website (www.sig.gov.in). The students participated in this pitching event really enthusiastically and their ideas were really mesmerizing. We are really overwhelmed with their ideas and thinking and the hard work they had put behind these ideas.

The highlights of the event can be accessed through the Facebook Link:

<https://www.facebook.com/AutomobileSURTECH/photos/a.371163263624324/1180833372657305/>

I. Detail of social media & Connections of IIC institute

Institute social media	Link
Institute Facebook Page	https://www.facebook.com/SurTechCollege/
Department of Automobile Engineering Facebook Page	https://www.facebook.com/AutomobileSURTECH
Department of Civil Engineering Facebook Page	https://www.facebook.com/CIVILSURTECH



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Department of Electrical Engineering Facebook Page	https://www.facebook.com/profile.php?id=100054234140444
Department of Mechanical Engineering Facebook Page	https://www.facebook.com/SurTechME

J. Testimonials from IIC members and external about IIC institute and IIC of MoE’s Innovation Cell



Ms. Rumrum Banerjee

Assistant Professor and Innovation Ambassador

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

The sincere efforts of MIC in collaboration with AICTE to create a vibrant start-up and Innovation Ecosystem, is now yielding results. The marvellous efforts put by the Institution’s working in tandem with the ministries will be certainly India to achieve a great position in the

World within few years. On behalf of our Institute, we are also working continuously in creating a sustainable ecosystem, which will positively help our students to become modern day entrepreneurs.



Ms. Debasmita Roy Chowdhury

Assistant Professor

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

The goal of achieving a vivacious and dedicated Start-Up working force and thus making India a hub of Start-Up’s is really moving very fast. Our institute in collaboration with the MIC and AICTE is also working pretty hard and dedicatedly to

create such ecosystem here.



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K. Images





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Session on
"How to plan for start-up and legal & ethical steps"
by
Department of Mechanical Engineering

Speaker
Mr. Surya Narayan Bhandari
Proprietor
S. N. B. Gears & Engineers

22nd December, 2021 | 11:30 AM Onwards

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Session on
Angel Investment / VC Funding Opportunity for Early-Stage Entrepreneurs

Organized by
Institution's Innovation Council
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex

23rd August, 2022
4.00 PM onwards

Mr. Somyas Subin's Biswas
Technical Operations Director
Word Editor/Editor
Alumnus, JIS Group

Scan to join

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Presents
"Ideate and Innovate"
(An activity under The Institution's Innovation Council)

Under Guidance of
1. Mr. Anindam Mukherjee, Assistant Professor & Innovation Ambassador (IIC Cell)
2. Ms. Amrita Chada, Administrative Executive & HR & Innovation Ambassador (IIC Cell)

Organised by
Department of Automobile Engineering

Mr. Arindam Mukherjee
Assistant Professor & Innovation Ambassador (IIC Cell)

Ms. Amrita Chada
Administrative Executive, HR & Innovation Ambassador (IIC Cell)

Date : 17th December, 2021

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L. Contact

IIC President

Name: Dr. Saradindu Panda

Email: principal_dsdec@jisgroup.org

Contact: 9051978666



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