nirf-Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

SILICON INSTITUTE OF TECHNOLOGY (SIT) [ARI-C-30153][C-30153]

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Dr. Sudhansu Mohan Biswal
Designation:	Senior Assistant Professor

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3,4
IIC 2.0 (2019-20)	5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	4

Contact:

IIC President of the Institute:	Prof. Jayashree Das
Designation:	Professor

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	Dr. Mahendra P. Agasty	Advance	2
2	Jagadish Kumar Patra	Advance	0
3	Dr. Sushri Samita Rout	Advance	2
4	Dr. Asif Uddin Khan	Basic	0
5	Dr. Sudhansu Mohan Biswal	Basic	0
6	Dr. Nibedita Swain	Advance	1
7	Mr. Sushant Pattnaik	Basic	4
8	Dr. Sanghamitra Das	Basic	0
9	Dr. Tapas Kumar Maji	Basic	3
10	Dr. Janmejay Senapati	Basic	1
11	Aruni Nayak	Basic	0
12	Dr. Siba Sankar Nayak	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-30153	Yes
HEI Participated in the Smart India Hackathon (2022)	C-30153	Yes

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Cours Start Date
1	Entrepreneurship Development	18BS3T20	2021-22	Core Course	Bachelor	Entrepreneurship Development Cell	3	10-01-2022 00:00:
2	Research Methodology and IPR	18MS1T05	2021-22	Core Course	Master	Centre	2	15-11-2021 00:00:
3	Research and IPR	DPBS-T-MC-002	2021-22	Core Course	,PhD	Centre	2	10-03-2022 00:00:

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Program Start Date	Program End Date
No Data Found							

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
1	EDC	EDC	Dr Mahendra Prasad Agasty	
2	Innovation Cell	Innovation Cell	Dr. Mahendra P. Agasty	
3	Startup Cell	Startup Cell	Sushanta Pattnaik	
4	Innovation Cell	Maker's Space	Dr. Sudhansu Mohan Biswal	Mentoring Support,Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Govt. Schemes
1	Silicon Innovation and Incubation Centre, BI,Silicon Institute of Technology	Dr. Mahendra P. Agasty	MSME, Own Resource
2	Switchtech Incubator Foundation	Dr. Mahendra P,Agasty	CSR/Private,Own Resource,Other Central/State Government

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Govt. Schemes
1	IPR Cell	Silicon IPR Centre	Dr. Sushri Rout	Mentoring Support

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	Current Engagement of Team Lead in Institute	T... C... R... (... s...
1	Hrudayam Portable ECG	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Papun Kumar Jena	Student	0
2	METAMONEY	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Rakesh sahoo	Student	0
3	Vidhyut ONE	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Papun Kumar Jena	Student	0
4	Reduction of CH4 Methane Gas from earth atmosphere	Independent Assignment/Non-academic Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Prince Kumar	Student	0

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No
1	PeopleBetter	SME Registered Unit (Valid GST No.)	null
2	Aurassure Pvt. Ltd.	Private Limited Firm (Pvt. Ltd.)	U32100OR2022PTC039810 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest**
3	Redik Edification Private Limited	Private Limited Firm (Pvt. Ltd.)	U80903OR2022PTC039812 **View Document (https://api.mic.gov.in//uploads/institutes/innovationcontest Place1794744.PDF)**

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
1	CSIR Institute of Minerals and Materials Technology (IMMT) Intec-Bhubaneswar	Govt. Agency (State)	5	Active	23-08-2022
2	Phoenix Robotics Private Limited	Corporate/Industry Association	5	Active	26-09-2020

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	IoT based real time system and methodology for improvisation educational services using Machine Learning	202131061703	31-12-2021

7.3 & 7.4) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202041012395	AEMC-IOT SYSTEM: Agriculture Environment Managed and Control Using IoT System	23-03-2020	Published	2020	Applicant
2	202041045313	Sensor Based Smart Railway System to Minimize Train Collisions and Accidents	18-10-2020	Published	2020	Applicant
3	202011044177	Smart Classroom System	10-10-2020	Published	2020	Applicant
4	202011044163	A Mobile Sanitizer Dispensing Unit	09-10-2020	Published	2020	Applicant
5	202131001862 A	Performance Enhancement of Polymer Deposited Fbg Sensor for Cardiac Parameter Monitoring in Mri Environment	14-01-2021	Published	2021	Applicant
6	202111028655	Controlling of the Electrical System using Photonic Filters	25-06-2021	Published	2021	Applicant
7	202131048431	Monitoring and Control of PV Systems Connected to the Grid with a Conventional Inverter and with an Interlaced Inverter	24-10-2021	Published	2021	Applicant
8	202131050907	Monitoring and Evaluating the Operation of Electronic Noses	07-11-2021	Published	2021	Applicant

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
9	202131010399	MULTI-FIRMWARE AIDED AVIATION SYSTEM WITH 3-D MAPPING CAPABILITIES	03-12-2021	Published	2021	
10	202111004091	IOT BASED PERSONAL SECURITY SYSTEM	29-01-2021	Published	2021	

7.5) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferred to	Name of Licensee	D T T
No Data Found						