

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	Yes

Contact:

Faculty Name:	Dr.Gayatri Phade
Designation:	Associate Professor
Email ID:	gayatri.phade@sitrc.org
Mobile No.	9545453202

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)	1.5
IIC 3.0 (2020-21)	2
IIC 4.0 (2021-22)	3

Contact:

IIC President of the Institute:	Dr. Gayatri Phade
Designation:	Mentor SANDIP TBI and Innovation Cell
Email ID:	gayatri.phade@sitrc.org
Mobile No.	9545453202

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 Gayatri Phade	Advance	7
2	Jagdish Patel	Advance	0
3	Ms Swati Pawar	Advance	0
4	Prof. (Dr.) Omkar Suresh Vaidya	Advance	0
5	Prof Vivek Dhruv Ugale	Advance	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-41520	Yes
HEI Participated in the Smart India Hackathon (2022)	C-41520	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	Course Start Date	Course End Date	Total Duration of the Course (in Days)
1	Entrepreneurship Development	109	2020-21	Elective Course	Master	Master of Business Administration	2	08-02-2021 00:00:00	15-05-2021 00:00:00	97
2	Start Up and New Venture Management	209	2020-21	Elective Course	Master	Master of Business Administration	2	21-06-2021 00:00:00	20-12-2021 00:00:00	183
3	Entrepreneurship Development	109	2021-22	Elective Course	Master	Master of Business Administration	2	03-01-2022 00:00:00	01-05-2022 00:00:00	119

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
1	Online Two Weeks Faculty Development Programme on Entrepreneurship Development	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Innovation and Entrepreneurship Development Cell (IEDC)	15-03-2021 00:00:00	27-03-2021 00:00:00
2	Online Four Weeks Women Entrepreneurship Development Program	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	Innovation and Entrepreneurship Development Cell (IEDC)	08-03-2021 00:00:00	04-04-2021 00:00:00

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	Contact no	Email	Govt. Schemes
1	IEDC	IEDC	Prof. J. A. Patel	8793495989	jagdish.patel@sitrc.org	

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email
1	SANDIP Technology Business Incubator	Dr. S. T. Gandhe, Dr. Gayatri M. Phade, Prof. J. A. Patel	9545453201,9545453202,9879349598	ceo@sandipincubator.org, gayatri.phade@sitrc.org

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	Contact no	Email	Govt. Schemes
1	IPR Cell	IPR Cell	Dr. Hemant F. Wanjare	7276077781	hemant.wanjare@sitrc.org	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	Contact No	Email
1	Automatic Bottle Filling System using PLC and SCADA	Academic Requirement/Study Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Rahul Anil Bhamre	Alumni		omca

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	GST No	FY of Establishment	Startup/Venture Recognized by DPIIT/Startup India	FY of Started Receiving Support from the Incubation unit at the Institute	T L N
No Data Found								

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	View
1	Aaradhya Electronics Pvt Ltd	Corporate/Industry Association	Five	Active	11-04-2022	View (/Uploads/Institute/Al
2	Lakshya Electric Vehicles Pvt. ltd. Nashik	Corporate/Industry Association	NA	Active	04-04-2022	View (/Uploads/Institute/Al
3	Wonder Cement Ltd, Nashik	Corporate/Industry Association	2	Active	18-08-2022	View (/Uploads/Institute/Al
4	Access CAD, Nashik	Corporate/Industry Association	5	Active	24-02-2020	View (/Uploads/Institute/Al
5	London School of Digital Business, London,UK	Educational Institute	5	Active	10-01-2020	View (/Uploads/Institute/Al
6	Engineers Training Academy	Knowledge/Mentoring Agency	1	Active	22-04-2022	
7	MSEDCL Eklahare, Nashik	Govt. Agency (State)	3	Active	17-01-2020	View (/Uploads/Institute/Al
8	Vektor 3D Systems LLP	Corporate/Industry Association	Five	Active	11-04-2022	View (/Uploads/Institute/Al
9	Nashik Transformer Industries, Nashik	Corporate/Industry Association	3	Active	16-05-2022	View (/Uploads/Institute/Al

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
10	Ureka Education Foundation, Dubai	Educational Institute	5	Active	13-10-2020	View (/Uploads/Institute/AI
11	Pacific Builders, Nashik	Corporate/Industry Association	2	Active	24-08-2022	View (/Uploads/Institute/AI
12	Suyash Metatech Pvt. Ltd	Corporate/Industry Association	2	Active	29-07-2022	View (/Uploads/Institute/AI

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?
1	A Device For Measuring Heart Rate And Respiratory Rate Of Foetus During Pregnancy	Design	348602-001	30-08-2021	No
2	IoT based Agricultural Soil and Irrigation Drainage Making Machine	Design	350165-001	26-09-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Design and Development of Steel Pipe Bending Machine	202121046372	12-10-2021
2	HYDRAULIC STRAIGHTENING MACHINE	202121005396	09-02-2021
3	An IoT based Cleaning System and Method	2021106223	25-11-2021
4	EI Overheat Control System: Engine Overheat Intelligent Control System	2020103325	09-11-2020
5	Sensor based Intelligent Smart Watch for Early Detection of Heart Attacks in Patients Suffering from Cardiovascular Diseases	202141045592	07-10-2021
6	Artificial Intelligence based customer relationship management e-commerce sites	202241004605	27-01-2022
7	A MACHINE LEARNING BASED APPROACH TO IMPLEMENT A HYBRID NETWORK TOPOLOGY FOR E-COMMERCE SITES	202211004859	28-01-2022
8	Machine Learning-based Methodology for Database Migration in Cloud Computing Environment	202211052282	13-09-2022

7.3) 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	View
1	2139/MUM/2013	HYBRID SECURITY SYSTEM FOR NEAR FIELD COMMUNICATION	24-06-2013	Granted	2021	Applicant	View (/Up
2	2140/MUM/2013	SUSTAINABLE PICOHYDRO POWER GENERATION SYSTEM	24-06-2013	Granted	2022	Applicant	View (/Up
3	3791/MUM/2013	MESSAGING SYSTEM USING TACTILE MODULE FOR VISUALLY IMPAIRED PEOPLE	03-12-2013	Granted	2020	Applicant	View (/Up

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	View
4	2020103325	EI-Overheat Control System: Engine Overheat Intelligent Control System	09-11-2020	Granted	2020	Other(Individual)	View (/Up
5	2021106223	AN IoT BASED CLEANING SYSTEM AND METHOD	20-08-2021	Granted	2021	Other(Individual)	View (/Up
6	202121046372	DESIGN AND DEVELOPMENT OF STEEL PIPE BENDING MACHINE	12-10-2021	Published	2021	Other(Individual)	View (/Up
7	202121005396	HYDRAULIC STRAIGHTENING MACHINE	09-02-2021	Published	2021	Other(Individual)	View (/Up
8	202141045592	SENSOR BASED INTELLIGENT SMART WATCH FOR EARLY DETECTION OF HEARTATTACKS IN PATIENTS SUFFERING FROM CARDIOVASCULAR DISEASES	07-10-2021	Published	2021	Other(Individual)	View (/Up
9	202211004859	A MACHINE LEARNING BASED APPROACH TO IMPLEMENT A HYBRID NETWORKTOPOLOGY FOR E-COMMERCE SITES	28-01-2022	Published	2022	Other(Individual)	View (/Up
10	202211052282	MACHINE LEARNING-BASED METHODOLOGY FOR DATABASE MIGRATION INCLOUD COMPUTING ENVIRONMENT	13-09-2022	Published	2022	Other(Individual)	View (/Up

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	View
11	348602-001	A Device For Measuring Heart Rate And Respiratory Rate Of Foetus During Pregnancy	30-08-2021	Published	2021	Other(Individual)	View (/Up
12	350165-001	IoT based Agricultural Soil and Irrigation Drainage Making Machine	26-09-2021	Published	2021	Other(Individual)	View (/Up
13	202121044026	AN INTERNET OF THINGS (IOT) BASED NEONATAL INTENSIVE CARE UNIT SYSTEM	28-09-2021	Published	2021	Other(Individual)	View (/Up
14	201821003996	COLOUR CODED STAFF	02-02-2018	Published	2019		
15	201821003995	CENTER POINT MARKER (CPM)	02-02-2018	Published	2019		
16	201821003994	NUMB AUTO LEVEL STAFF	02-02-2018	Published	2019		
17	201821012142	3-D SWELLING PRESSURE MEASURING DEVICE	30-03-2018	Published	2019		
18	201821003997	RTC - ROAD TURN CAUTIONER	02-02-2018	Published	2019		
19	201821012208	Design and Development of Potholes Detection System	31-03-2018	Published	2019		
20	201821003990	Automated Garbage managementUsing Internets of Things	02-02-2018	Published	2019		
21	201821012143	Data Logger for Solar Photovoltaic Power Stations	30-03-2018	Published	2019		

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	View
22	201821012145	IOT based Garbage Monitoring System	30-03-2018	Published	2019		
23	201821012203	Self-Parking Chair	31-03-2018	Published	2019		
24	201821012204	Smart Mirror	31-03-2018	Published	2019		
25	201821012140	Microwave Grain Dryer Machine	30-03-2018	Published	2019		
26	201821012141	Generation of Electricity Using CompressorSpeed Breaker	30-03-2018	Published	2019		
27	201821012144	Double Pole Electromagnetic Engine	30-03-2018	Published	2019		
28	201821012201	Optothermal Sintering 3D Printer	31-03-2018	Published	2019		
29	201821012206	Vehicle Overhaul Autonetics using Arduino	31-03-2018	Published	2019		
30	201821012207	Airtualization by Integrated Lightweight Development Tool for Multimedia Applications	31-03-2018	Published	2019		
31	201821004599	Dual Pay mode sanitary napkin self-dispensingMachine	02-07-2018	Published	2020		
32	201921011346	METHOD FOR OPTIMIZATION OF CHROMIUM COMPOSITION IN AUSTEMPERED DUCTILE IRON FOR ENHANCING WEAR PROPERTIES	23-03-2019	Published	2020		

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	View
33	202241004605	ARTIFICIAL INTELLIGENCE BASED CUSTOMER RELATIONSHIP MANAGEMENT OF E-COMMERCE SITES	27-01-2022	Published	2022	Other(Individual)	View (/Up
34	201821004599	Dual Pay mode sanitary napkin self-dispensing Machine	02-07-2018	Published	2020		
35	201921011346	METHOD FOR OPTIMIZATION OF CHROMIUM COMPOSITION IN AUSTEMPERED DUCTILE IRON FOR ENHANCING WEAR PROPERTIES	23-03-2019	Published	2020		

7.4) 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	Date of Transferred Technology
No Data Found						

Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

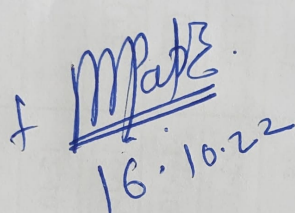
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. Sanjay T Gandhe** (Head of Institute) and **Dr. Omkar Suresh Vaidya** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

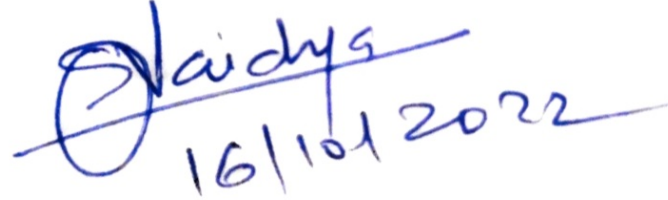
Thank you

The Head of Institute

A photograph of a white sheet of paper with a handwritten signature in blue ink. The signature appears to be 'Sanjay T Gandhe' and is dated '16.10.22'.

Dr. Sanjay T Gandhe ,
Head of the Institution,
SF's Sandip Institute of Technology and Research Centre,
Mahiravani, Maharashtra

Nodal officer

A photograph of a white sheet of paper with a handwritten signature in blue ink. The signature appears to be 'Omkar Suresh Vaidya' and is dated '16/10/2022'.

Dr. Omkar Suresh Vaidya,
Nodal Officer,
SF's Sandip Institute of Technology and Research Centre,
Mahiravani, Maharashtra