



# ARIIA

## ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

### Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: SKN SINHAGAD COLLEGE OF ENGINEERING KORTI TAL PANDHARPUR DIST-SOLAPUR [ARI-C-15745]

### List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Mechanical Engineering	Research Unit / Park	Material Science & Engineering	UG / PG / PhD	Technical	425	30	10
2	Electrical Engineering	Academic Department with lab facility	Electrical Machine-I Lab	UG / PG / PhD	Technical	176	11	4
3	CIVIL ENGINEERING	Academic Department with lab facility	GEO-TECHNICAL ENGINEERING	UG / PG / PhD	Technical	193	13	4
4	CIVIL ENGINEERING	Academic Department with lab facility	CONCRETE TECHNOLOGY	UG / PG / PhD	Technical	193	13	4
5	CIVIL ENGINEERING	Academic Department with lab facility	MATERIAL TESTING /STRUCTURES	UG / PG / PhD	Technical	193	13	4
6	Electrical Engineering	Academic Department with lab facility	Basic Electrical Lab	UG / PG / PhD	Technical	176	11	4
7	Electronics and Telecommunication Engineering	Academic Department with lab facility	Microwave Engineering	UG / PG / PhD	Technical	108	12	3
8	Electronics and Telecommunication Engineering	Academic Department with lab facility	Communication Engineering	UG / PG / PhD	Technical	108	12	3
9	Electronics and Telecommunication Engineering	Academic Department with lab facility	Linear Integrated Circuit	UG / PG / PhD	Technical	108	12	3
10	Electronics and Telecommunication Engineering	Academic Department with lab facility	Electronic Circuit Analysis & Design	UG / PG / PhD	Technical	108	12	3
11	Electronics and Telecommunication Engineering	Academic Department with lab facility	Digital Signal Processing	UG / PG / PhD	Technical	108	12	3
12	Electronics and Telecommunication Engineering	Research Unit / Park	Student Project	UG / PG / PhD	Technical	108	12	3
13	Electronics and Telecommunication Engineering	Academic Department with lab facility	Digital Signal Processing	UG / PG / PhD	Technical	108	12	3

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

14	Electronics and Telecommunication Engineering	Academic Department with lab facility	Microprocessor & Microcontroller	UG / PG / PhD	Technical	108	12	3
15	Electronics and Telecommunication Engineering	Academic Department with lab facility	Digital Electronics	UG / PG / PhD	Technical	108	12	3
16	Electronics and Telecommunication Engineering	Academic Department with lab facility	Software	UG / PG / PhD	Technical	108	12	3
17	Electronics and Telecommunication Engineering	Academic Department with lab facility	Embedded System	UG / PG / PhD	Technical	108	12	3
18	Electronics and Telecommunication Engineering	Academic Department with lab facility	PG Research	UG / PG / PhD	Technical	108	12	3
19	Electronics and Telecommunication Engineering	Academic Department with lab facility	Central Digital Library	UG / PG / PhD	Technical	108	12	3
20	Mechanical Engineering	Academic Department with lab facility	Kinematics and Theory of Machines	UG / PG / PhD	Technical	95	30	10
21	Mechanical Engineering	Academic Department with lab facility	Automobile Engineering	UG / PG / PhD	Technical	206	30	10
22	Mechanical Engineering	Academic Department with lab facility	Manufacturing Processes	UG / PG / PhD	Technical	95	30	10
23	Mechanical Engineering	Academic Department with lab facility	Metrology & Mechanical Measurement	UG / PG / PhD	Technical	117	30	10
24	Mechanical Engineering	Academic Department with lab facility	Heat & Mass Transfer	UG / PG / PhD	Technical	117	30	10
25	Mechanical Engineering	Academic Department with lab facility	Refrigeration & air conditioning	UG / PG / PhD	Technical	206	30	10
26	Mechanical Engineering	Academic Department with lab facility	Internal Combustion Engine	UG / PG / PhD	Technical	95	30	10
27	Mechanical Engineering	Academic Department with lab facility	Mechatronics	UG / PG / PhD	Technical	95	30	10
28	Mechanical Engineering	Academic Department with lab facility	Automatic Control Engineering	UG / PG / PhD	Technical	206	30	10
29	Mechanical Engineering	Academic Department with lab facility	Applied Thermodynamics	UG / PG / PhD	Technical	95	30	10
30	Mechanical Engineering	Academic Department with lab facility	Metallurgy	UG / PG / PhD	Technical	117	30	10

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

31	Mechanical Engineering	Academic Department with lab facility	Fluid Mechanics & Fluid Machines	UG / PG / PhD	Technical	117	30	10
32	Mechanical Engineering	Academic Department with lab facility	E-Yantra-Robotics	UG / PG / PhD	Technical	206	30	10
33	Mechanical Engineering	Academic Department with lab facility	Workshop	UG / PG / PhD	Technical	418	30	10
34	Mechanical Engineering	Academic Department with lab facility	Computer Lab (1,2&3)	UG / PG / PhD	Both	418	30	10
35	Mechanical Engineering	Academic Department with lab facility	Basic Mechanical Engineering	UG / PG / PhD	Technical	138	30	10
36	Mechanical Engineering	Academic Department with lab facility	Graphics	UG / PG / PhD	Technical	138	30	10
37	Mechanical Engineering	Research Unit / Park	Project Lab	UG / PG / PhD	Both	418	30	10
38	Electrical Engineering	Academic Department with lab facility	Electrical Machine-II Lab	UG / PG / PhD	Technical	176	11	4
39	Electrical Engineering	Academic Department with lab facility	Electrical Measurement And Instrumentation Lab	UG / PG / PhD	Technical	176	11	4
40	Electrical Engineering	Academic Department with lab facility	Power Electronics Lab	UG / PG / PhD	Technical	176	11	4
41	Electrical Engineering	Academic Department with lab facility	Industrial Drives & Control Lab	UG / PG / PhD	Technical	176	11	4
42	Electrical Engineering	Academic Department with lab facility	Control System Lab	UG / PG / PhD	Technical	176	11	4
43	Electrical Engineering	Academic Department with lab facility	Power System, Switchgear and Protection Lab	UG / PG / PhD	Technical	176	11	4
44	Electrical Engineering	Academic Department with lab facility	Electrical Software Lab	UG / PG / PhD	Technical	176	11	4
45	Electrical Engineering	Academic Department with lab facility	Network Analysis Lab	UG / PG / PhD	Technical	176	11	4
46	CIVIL ENGINEERING	Academic Department with lab facility	TRANSPORTATION ENGINEERING	UG / PG / PhD	Technical	193	13	4
47	CIVIL ENGINEERING	Academic Department with lab facility	ENVIRONMENTAL ENGINEERING	UG / PG / PhD	Technical	193	13	4
48	CIVIL ENGINEERING	Academic Department with lab facility	FLUID MECHANICS	UG / PG / PhD	Technical	193	13	4

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

49	CIVIL ENGINEERING	Academic Department with lab facility	ENGINEERING GEOLOGY	UG / PG / PhD	Technical	193	13	4
50	CIVIL ENGINEERING	Academic Department with lab facility	ENGINEERING MECHANICS	UG / PG / PhD	Technical	193	13	4
51	CIVIL ENGINEERING	Academic Department with lab facility	BASIC CIVIL ENGINEERING	UG / PG / PhD	Technical	193	13	4
52	CIVIL ENGINEERING	Academic Department with lab facility	UG COMPUTER LAB	UG / PG / PhD	Technical	193	13	4
53	CIVIL ENGINEERING	Academic Department with lab facility	PG COMPUTER LAB	UG / PG / PhD	Technical	40	13	4
54	CIVIL ENGINEERING	Academic Department with lab facility	SURVEYING	UG / PG / PhD	Technical	193	13	4
55	CIVIL ENGINEERING	Centre of Excellence with Advance Tools & Equipment	PG COMPUTER LAB	UG / PG / PhD	Technical	193	13	4
56	Computer Science and Engineering	Academic Department with lab facility	Object Oriented Programming Lab	UG / PG / PhD	Technical	206	15	4
57	Computer Science and Engineering	Academic Department with lab facility	Computer Network Lab	UG / PG / PhD	Technical	206	15	4
58	Computer Science and Engineering	Academic Department with lab facility	Advance Database Lab	UG / PG / PhD	Technical	206	15	4
59	Computer Science and Engineering	Academic Department with lab facility	PG-Research Lab	UG / PG / PhD	Technical	8	15	4
60	Computer Science and Engineering	Academic Department with lab facility	Hardware and Networking Lab	UG / PG / PhD	Technical	206	15	4
61	Computer Science and Engineering	Academic Department with lab facility	Project Lab	UG / PG / PhD	Technical	206	15	4
62	Computer Science and Engineering	Academic Department with lab facility	Digital Technique Lab	UG / PG / PhD	Technical	206	15	4
63	Computer Science and Engineering	Academic Department with lab facility	Server Lab	UG / PG / PhD	Technical	206	15	4
64	Computer Science and Engineering	Academic Department with lab facility	Akash Lab	UG / PG / PhD	Technical	206	15	4
65	Computer Science and Engineering	Academic Department with lab facility	Microprocessor Lab	UG / PG / PhD	Technical	206	15	4

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

66	Electrical Engineering	Centre of Excellence with Advance Tools & Equipment	Electrical Engineering	UG / PG / PhD	Technical	176	11	4
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**Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)**

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC202014358
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	Yes	Not Required
Participation in National Education Alliance of Technology (NEAT)	Yes	Not Required

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Guest Lecture on Project management	Innovation	Motivational speak	Institute Lead Activity	Computer Science and Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	97	0	0	0	97	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No
2	Guest Lecture on Recent Trends in IT	Innovation	Motivational speak	Institute Lead Activity	Computer Science and Engineering	03-10-2019 00:00:00	03-10-2019 00:00:00	1	Within Campus	46	0	0	0	46	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No
3	IoT and Its Applications	Innovation	Skill development	Student Lead Activity	Department of Electrical Engineering	30-12-2019 00:00:00	30-12-2019 00:00:00	1	Within Campus	19	0	0	19	38	No	No
4	Motivation and opportunities for women in Entrepreneurship	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Entrepreneurship Development	04-09-2019 00:00:00	04-09-2019 00:00:00	1	Within Campus	250	15	0	0	265	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3000	No

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

5	Internet of Things and Its Applications	Entrepreneurship/Startup	Skill development	Student Lead Activity	Department of Electronics and Telecommunication Engineering	04-10-2019 00:00:00	06-10-2019 00:00:00	3	Within Campus	29	1	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	7000	No
6	Expert Lecturer on "Awareness about Entrepreneurship"	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	EDC Cell	20-01-2020 00:00:00	20-01-2020 00:00:00	1	Within Campus	265	0	0	0	265	No		No
7	Best Business Plan Competition	Entrepreneurship/Startup	B-Plan Competitions	Institute Lead Activity	EDC Cell	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	25	0	0	0	25	No		No
8	Women Entrepreneurs and Reward of Entrepreneurship	Entrepreneurship/Startup	Workshop	Institute Lead Activity	EDC Cell	06-03-2020 00:00:00	08-03-2020 00:00:00	3	Within Campus	40	0	0	0	40	No		No

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	E Summit 2020	IPR	Mentoring Session	E- Cell IIT Bombay	Govt. Agency (Central)	01-02-2020 00:00:00	02-02-2020 00:00:00	2	10	1	11	No	---	---	No	No

**Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	IPR and Research Methodology	IPR	Elective/Core Credit Course	Master	Department of Civil Engineering	03-08-2019	10-11-2019	100	Offline	16	36

**Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(In Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	One week hands on FDP on industrial Smart Automation Control and Advance Solar Technology System	Innovation	FDP in I&E / IPR	Department of Electrical Engineering	16-12-2019	20-12-2019	5	Offline	18	30
2	Advanced Optimization Tools and Techniques for researchers and Engineers	Innovation	Employment Generation Training Programs	Department of Mechanical Engineering	23-05-2020	27-05-2020	5	Online	129	30

**Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)**

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Dr. K. J. Karande	Department of Electronics Engineering	Principal	No	No
2	Dr. S. G. Kulkarni	Department of Mechanical Engineering	Vice Principal	No	No
3	Dr. B. S. Gandhare	Department of Mechanical Engineering	Assistant Professor	No	No
4	Dr. S. S. Kulkarni	Department of Mechanical Engineering	Associate Professor	No	No
5	Dr. S. G. Deshmukh	General Science and Engineering	Assistant Professor	No	No
6	Dr. A. O. Mulani	Department of Electronics and Telecommunication	Associate Professor	No	No

**Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

**No Data Filled!**

**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	Pre Incubation Center	Design Centre	2019	Co-working Space	Student Clubs	Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. A. B. Jagadale</td> </tr> <tr> <td>Facility Incharge Email</td> <td>amol.jagadale@sknscoe.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9673945846</td> </tr> </table>	Facility Incharge Name	Prof. A. B. Jagadale	Facility Incharge Email	amol.jagadale@sknscoe.ac.in	Facility Incharge Phone	9673945846	1	No	No	Yes
Facility Incharge Name	Prof. A. B. Jagadale																
Facility Incharge Email	amol.jagadale@sknscoe.ac.in																
Facility Incharge Phone	9673945846																

**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)										
Institute's Own Fund / Resource		SKNSCOE		Educational Institute		10000										
2	Entrepreneur Development Cell	EDC	2012	Work Stations	Student Clubs	Student Clubs										
						<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. B. S. Gandhare</td> </tr> <tr> <td>Facility Incharge Email</td> <td>balasaheb.gandhare@sknscoe.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9823716144</td> </tr> </table>	Facility Incharge Name	Dr. B. S. Gandhare	Facility Incharge Email	balasaheb.gandhare@sknscoe.ac.in	Facility Incharge Phone	9823716144	5	No	No	Yes
Facility Incharge Name	Dr. B. S. Gandhare															
Facility Incharge Email	balasaheb.gandhare@sknscoe.ac.in															
Facility Incharge Phone	9823716144															
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)										
Institute's Own Fund / Resource		SKNSCOE		Educational Institute		7000										

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?						
1	Material Testing	2010	Innovation Labs	No	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. S. S. Nagan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>shrikan.t.nagane@sknscoe.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9421956154</td> </tr> </table>	Facility Incharge Name	Prof. S. S. Nagan	Facility Incharge Email	shrikan.t.nagane@sknscoe.ac.in	Facility Incharge Phone	9421956154	1	No	No	No
Facility Incharge Name	Prof. S. S. Nagan														
Facility Incharge Email	shrikan.t.nagane@sknscoe.ac.in														
Facility Incharge Phone	9421956154														



**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

2	I-C Engine Testing Facility for Alternative Fuels	2014	Innovation Labs	No	Facility Incharge Name	Prof. S. R. Koli	3	No	Yes		Yes
					Facility Incharge Email	somnath.koli@sknscoe.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	0	
					Facility Incharge Phone	8378017546			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	2500	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
-		-			-		0				
3	P V Solar Cell Manufacturing	2019	Innovation Labs	Seed Money Scheme, PAH Solapur University, Solapur	Facility Incharge Name	Dr. S. G. Deshmukh	2	No	No	No	Yes
					Facility Incharge Email	sampat.deshmukh@sknscoe.ac.in					
					Facility Incharge Phone	9158172555					
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

4	Construction Material Testing	2010	Innovation Labs	No	Facility Incharge Name	Prof. D. S. Jagatap	1	No	Yes		Yes
					Facility Incharge Email	digvijay.jagatap@sknscoe.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	0	
					Facility Incharge Phone	9970132810			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	135570	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	
Source of Grant / Fund				Agency Name				Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)	
-				-				-		3466596	

**Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?		
1	SKNSCOE Incubation Center	2019	Innovation Labs	No	Facility Incharge Name Prof. A. B. Jagdale Facility Incharge Email amol.jagdale@sknscoe.ac.in Facility Incharge Phone 9673945846	2	Yes	No	Yes		
Source of Grant / Fund				Agency Name				Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)	

**Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

**No Data Filled!**

**Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	SKNSCOE IPR Cell	2019	Incubation Unit	Yes	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. Prasad P. Kulkarni</td> </tr> <tr> <td>Facility Incharge Email</td> <td>prasad.kulkarni@sknscoe.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9028585788</td> </tr> </table>	Facility Incharge Name	Prof. Prasad P. Kulkarni	Facility Incharge Email	prasad.kulkarni@sknscoe.ac.in	Facility Incharge Phone	9028585788	6	Yes	No	Yes
Facility Incharge Name	Prof. Prasad P. Kulkarni														
Facility Incharge Email	prasad.kulkarni@sknscoe.ac.in														
Facility Incharge Phone	9028585788														
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)									

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr. K. J. Karande	Principal	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Image Processing using CBIR		Within		
2	Dr. S. G. Kulkarni	Vice Principal	IPR Protection & Commercialization	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Foldscope and Micro Structural Identification		Outside		
3	Dr. B. S. Gandhare	Assistant Professor	Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
Entrepreneurship Development		Within		
4	Dr. S. S. Kulkarni	Associate Professor	Idea/Innovation Development	3

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Vibration Analysis and Its applications	Within	
5	Dr. S. G. Deshmukh	Assistant Professor	Idea/Innovation Development
			3
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Investigation on optical and electrical properties of Nano crystalline Cu3BiS3 thin films for environment friendly photovoltaic solar cell	Within	
6	Dr. A. O. Mulani	Associate Professor	IPR Protection & Commercialization
			3
	Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Area Optimized Implementation of Invisible Image Watermarking on reconfigurable platform	Within	

**Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship				
1	Mr. Arif Amien Sheikh	IPR Protection & Commercialization	Structured Mentorship				
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Innovation in Solar Panel Installation	14-02-2020	14-02-2020	1	1	145	Idea
2	Dr Mohan Kolhe	Idea/Innovation Development	Structured Mentorship				
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Smart Grid and Renewable Energy sources	05-08-2019	05-08-2019	1	1	233	Idea
3	Mr. Avinash Lawnis	Entrepreneurship/Startup Development	Structured Mentorship				
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Project Innovations	25-07-2019	25-07-2019	1	1	25	Early Stage Startup
4	Dr. M. A. Tawfik	Idea/Innovation Development	Structured Mentorship				
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
	Scope of Innovations and Research	08-01-2020	08-01-2020	1	1	120	Innovation/Prototype
5	Mr. Anand Thakar	IPR Protection & Commercialization	Structured Mentorship				

**Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)	Type of Mentee
Innovation in Electrical Vehicles	04-02-2020	04-02-2020	1	1	125	Idea

**Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received**

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Convert ed into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019										
														Agency Name	Department of Bio Technology	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	No	Grant Amount in Rs			
1	Hot Press Machine	Product Innovation	Technological	Material Manufacturing	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	Department of Bio Technology	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	No	83000	No	No						
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr. S. G. Kulkarni</td> <td>Faculty</td> <td>Male</td> <td>swanand.kulkarni@sknscoe.ac.in</td> <td>7875212835</td> </tr> </tbody> </table>														Name	Type	Gender	Email	Contact	Dr. S. G. Kulkarni	Faculty	Male	swanand.kulkarni@sknscoe.ac.in	7875212835
Name	Type	Gender	Email	Contact																			
Dr. S. G. Kulkarni	Faculty	Male	swanand.kulkarni@sknscoe.ac.in	7875212835																			

2	Bio Gas Unit Development	Service Innovation	Technological	Energy Generation	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	Agency Name	UBA, AICTE, IITDelhi	No	50000	No	No
									Agency Type	Govt. Agency (Central)		Grant Amount in Rs		
									Award / Position / Recognition Secured	No				
Name		Type			Gender		Email			Contact				
Prof. S. H. Gidde		Faculty			Male		shashikant.gidde@sknscoe.ac.in			8412917000				
Name		Type			Gender		Email			Contact				
Prof. P. P. More		Faculty			Male		vinodkumar.more@sknscoe.ac.in			7276243546				
3	4 point Bending Test	Service Innovation	Technological	Material Testing	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 9 : Full commercial application, technology available for consumers.	Innovation Adopted and Implemented at Ground	No	No	No	No	No	No
Name		Type			Gender		Email			Contact				
Dr. S. S. Kadam		Faculty			Male		shriganesh.kadam@sknscoe.ac.in			8600502360				

**Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI**

Sr no	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/ HEI received any income/revenue from venture /startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Startup Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20				
1	Hydroponic grass Automation System	Service Innovation	Technological	852	Student	<table border="1"> <tr> <td>Venture with MSME Registration No</td> <td>MH32D0016899</td> </tr> <tr> <td>Venture with GST No</td> <td>27ABNFM3080E1Z7</td> </tr> </table>	Venture with MSME Registration No	MH32D0016899	Venture with GST No	27ABNFM3080E1Z7	2016-17	Graduated from the Incubation unit	No	No	No	No	No
Venture with MSME Registration No	MH32D0016899																
Venture with GST No	27ABNFM3080E1Z7																
Name		DIN number		Type		Gender		Email		Contact							
Mr. Dheeraj Muttin		MH32D0016899		Student		Male		dheerajmutting@gmail.com		9595758533							
Mr. Rohit Danake		-		Student		Male		rohitdanake@gmail.com		9673680202							
2	Experimental Kit for Parallel Operation of Alternator	Service Innovation	Technological	852	Student	<table border="1"> <tr> <td>Venture with MSME Registration No</td> <td>27APMPP0537Q1Z6</td> </tr> <tr> <td>Venture with GST No</td> <td>27APMPP0537Q1Z6</td> </tr> </table>	Venture with MSME Registration No	27APMPP0537Q1Z6	Venture with GST No	27APMPP0537Q1Z6	2013-14	Received Incubation Support from Incubation Unit	No	No	No	No	
Venture with MSME Registration No	27APMPP0537Q1Z6																
Venture with GST No	27APMPP0537Q1Z6																
Name		DIN number		Type		Gender		Email		Contact							
Mr. Patil Maruti		27APMPP0537Q1Z6		Student		Male		shriramelectricals234@gmail.com		9920531197							

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**Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI**

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Department of Applied Physics, Defence Institute of Advanced Technology, Girinagar Pune-411 025. (DEEMED UNIVERSITY)	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	04-01-2020
2	"Electronics optoelectronics & Thin Film Devices Research Laboratory, Applied Physics Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara- 390001, Gujarat, India."	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring	2	04-01-2020
3	Zagazig University, Zagazig, Egypt	International Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	2	08-01-2020
4	PSP-IP & Associates Pvt Ltd. Pune	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	2	27-05-2020

**Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner**

**No Data Filled!**

**Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner**

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Portable Led-Based integrated assembly to examine microstructure of opaque objects using ball lens	201924008636	National	2019 - 10	Uploaded

**Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI**

**No Data Filled!**

**Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

**No Data Filled!**



## Declaration

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

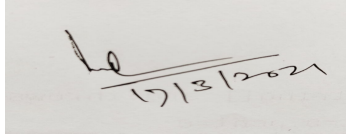
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. K. J. Karande (Head of Institute) and Dr. Swanand Gajanan Kulkarni (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

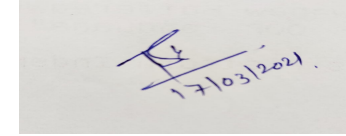
The Head of Institute



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Dr. K. J. Karande  
Head of the Institution,  
Pandharpur, Maharashtra

Nodal officer



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Dr. Swanand Gajanan Kulkarni  
Nodal Officer,  
Pandharpur, Maharashtra