



# 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: Sahrdaya College of Engineering & Technology [ARI-C-8157]

### 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	Innovation and Entrepreneurship development Centre	Pre-incubation unit	Engineering and Technology Based Innovations	At all level	Technical	0	0	0
2	Sahrdaya Technology Business Incubator	Incubation Unit	ICT, Biotechnology and Health care technologies	At all level	Both	0	0	0
3	Department of Biomedical Engineering	Academic Department with lab facility	Biomedical Engineering	UG / PG / PhD	Technical	246	13	4
4	Department of Biotechnology Engineering	Academic Department with lab facility	Biotechnology Engineering	UG / PG / PhD	Technical	213	12	4
5	Department of Electronics and Communication Engineering	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	169	15	3
6	Department of Computer Science and Engineering	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	431	24	4
7	Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	164	12	3
8	Department of Electrical and Electronics Engineering	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	83	9	3
9	Department of Applied Science and Humanities	Academic Department with lab facility	Applied Science and Humanities	At all level	Both	0	19	3
10	GE- Sahrdaya Centre of Excellence for Health care Technologies	Industry Institute Interface Unit	Health Care Technologies	At all level	Technical	0	13	4
11	Sahrdaya-Agappe Innovation Hub	Industry Institute Interface Unit	Invitro Diagnostic Technologies	At all level	Technical	0	25	8
12	Centre for IOT and Robotic Reasearch	Centre of Excellence with Advance Tools & Equipment	IOT and Robotics	At all level	Technical	0	15	3
13	Sahrdaya- Accenture Innovation Centre	Industry Institute Interface Unit	ICT	At all level	Technical	0	24	4

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

14	Engineering Design Studio	Research Unit / Park	Design and Fabrication	UG / PG / PhD	Both	0	3	1
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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 : IC202014221
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	PATENTING PROCEDURES	IPR	Skill development	Institute Lead Activity	The Innovation and Entrepreneurship Development Centres(IEDC), SAHRDAYA COLLEGE OF ENGINEERING AND TECHNOLOGY	11-04-2019 00:00:00	11-04-2019 00:00:00	1	Within Campus	200	5	0	0	205	No	No
2	TECHNOLOGY TRENDS IN INDUSTRY	Innovation	Training	Institute Lead Activity	MR. STEPHIN T MOYALAN WITH SCET	05-04-2019 00:00:00	05-04-2019 00:00:00	1	Within Campus	78	0	0	0	78	No	No
3	DESIGN THINKING FOR SOCIAL INNOVATION BY DISQ	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Kerala Startup Mission with Innovation and Entrepreneurship Development Centre	19-10-2019 00:00:00	19-10-2019 00:00:00	1	Within Campus	350	3	260	2	615	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No

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

4	MR.JOSE PAUL, ARACKALAN, MANAGER OF INCUBATION CENTRE, IIT PATNA	Entrepreneurship/Startup, Innovation	Mentoring Session	Institute Lead Activity	Computer Science and Engineering department	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	118	5	0	0	123	No	No	
5	Bridges the Gap Between Techno innovations and viable business	Entrepreneurship/Startup	Boot camp	Institute Lead Activity	Innovation and Entrepreneurship Development Center	18-10-2019 00:00:00	19-10-2019 00:00:00	2	Within Campus	0	2	0	20	22	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100000	No
6	Technical Entrepreneurship Development Program	Entrepreneurship/Startup	Boot camp	Institute Lead Activity	Innovation and Entrepreneurship Development Centre	20-04-2019 00:00:00	05-06-2019 00:00:00	47	Within Campus	18	0	6	0	24	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	300000	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**

No Data Filled!

**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	Design and Engineering	Innovation	Elective/Core Credit Course	Bachelor	Biomedical Engineering Engineering Biotechnology Engineering Computer Science and Engineering Civil Engineering Electronics and Communication Engineering Electrical and Electronics Engineering	01-01-2020	31-07-2020	213	Offline	289	56

2	Sustainable Engineering	Innovation	Elective/Core Credit Course	Bachelor	Biomedical Engineering Biotechnology Engineering Computer Science and Engineering Civil Engineering Electronics and Communication Engineering Electrical and Electronics Engineering	01-08-2019	31-12-2019	153	Offline	289	42
3	Technical Entrepreneurship Development program (TEDP)	Entrepreneurship/Startup	Short term Course	Master	Innovation and Entrepreneurship Development Centre	21-01-2019	05-03-2019	44	Offline	23	264

**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	Technical Entrepreneurship Development program (TEDP) on Block Chain	Entrepreneurship/Startup	Employment Generation Training Programs	Innovation and Entrepreneurship Development Centre	21-01-2019	05-03-2019	44	Offline	23	264

**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	Jibin Jose	Biomedical Engineering	Assistant Professor	Yes	No				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	MDP on New Product Development	Innovation	MDP in I&E, IPR	IIM Kozhikode	Educational Institute	30-05-2019 00:00:00	02-06-2019 00:00:00	4	Offline
2	Dr. Arun Thomas	Department of Computer science	Associate Professor	Yes	No				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
	FDP on Entrepreneurship by NSTEDB DST Government of India	Entrepreneurship/Startup	FDP in I&E, IPR	NSTEDB DST Government of India	Govt. Agency (Central)	09-12-2019 00:00:00	21-12-2019 00:00:00	13	Offline
3	Divya R	Department of Computer science Engineering	Associate Professor	Yes	No				

Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
FDP on Entrepreneurship by NSTEDP DST Government of India	Entrepreneurship/Startup	FDP in I&E, IPR	NSTDEP DST Government of India	Govt. Agency (Central)	10-06-2019 00:00:00	22-06-2019 00:00:00	13	Offline

**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**

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Creative Club	Idea Club	2018	Co-working Space,3D Printing	Pre-Incubation Unit	7	Anjali PS	iedccreativeclub@sahridaya.ac.in	8281673076

**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?
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**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)**

1	Innovation and Entrepreneurship Development Centre Sahridaya	IEDC	2015	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Incubation Unit,Innovation Labs,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	Incubation Unit,Innovation Labs,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. Jibin Jose</td> </tr> <tr> <td>Facility Incharge Email</td> <td>iedc@sahridaya.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9946983296</td> </tr> </table>	Facility Incharge Name	Mr. Jibin Jose	Facility Incharge Email	iedc@sahridaya.ac.in	Facility Incharge Phone	9946983296	10	Yes	<table border="1"> <tr> <td colspan="2">Yes</td> </tr> <tr> <td>Total Annual Income from Training and Skill Development Services (In Rupees)</td> <td>53826</td> </tr> <tr> <td>Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)</td> <td>50000</td> </tr> <tr> <td>Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)</td> <td>0</td> </tr> </table>	Yes		Total Annual Income from Training and Skill Development Services (In Rupees)	53826	Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)	50000	Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	0	Yes
Facility Incharge Name	Mr. Jibin Jose																								
Facility Incharge Email	iedc@sahridaya.ac.in																								
Facility Incharge Phone	9946983296																								
Yes																									
Total Annual Income from Training and Skill Development Services (In Rupees)	53826																								
Total Annual Income from (Technical and Business ) Mentoring Services (In Rupees)	50000																								
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 Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)																
Funding Agency				Kerala Startup Mission			Govt. Agency (State)		3578435																
Institute's Own Fund / Resource				Sahridaya College of Engineering and Technology			Educational Institute		653234																

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

1	GE-Sahrdaya Centre of Excellence for Healthcare technologies	2017	Incubation Unit, Innovation Labs, Student Clubs	Wipro-GE Healthcare Pvt. Ltd	Facility Incharge Name	Mr. Jibin Jose	15	Yes	No	Yes
					Facility Incharge Email	jibinjose@sahrdaya.ac.in				
					Facility Incharge Phone	9946983296				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
Funding Agency		Wipro-GE Healthcare Pvt. Ltd		Corporate / Industry Association		7500000				
Institute's Own Fund / Resource		Sahrdaya College of Engineering and Technology		Educational Institute		400000				
2	Sahrdaya-Agappe Innovation Hub	2018	Pre-Incubation, Incubation Unit, Innovation Labs, Student Clubs	Agappe Diagnostics Ltd	Facility Incharge Name	Dr. Jeethu Raveendran	30	Yes	No	Yes
					Facility Incharge Email	jeethu@sahrdaya.ac.in				
					Facility Incharge Phone	8122283477				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
Funding Agency		Wipro-GE Healthcare Pvt. Ltd		Corporate / Industry Association		7500000				
Institute's Own Fund / Resource		Sahrdaya College of Engineering and Technology		Educational Institute		400000				
3	Sahrdaya Accenture Innovation Centre	2013	Pre-Incubation, Incubation Unit, Innovation Labs, Student Clubs	Accenture	Facility Incharge Name	Mr. Aljo K Joseph	5	No	No	No
					Facility Incharge Email	aljojoseph@sahrdaya.ac.in				
					Facility Incharge Phone	9846867215				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
Funding Agency		Wipro-GE Healthcare Pvt. Ltd		Corporate / Industry Association		7500000				
Institute's Own Fund / Resource		Sahrdaya College of Engineering and Technology		Educational Institute		400000				

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

1	Sahrdaya Technology Business Incubator	2018	Pre-Incubation, Innovation Labs, Centre of Excellence with Advance Tools, Student Clubs	Kerala State Industrial Development Corporation	Facility Incharge Name	Mr. Jibin Jose	10	Yes	Yes		Yes
					Facility Incharge Email	jibinjose@sahrdaya.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)	73150	
					Facility Incharge Phone	9946983296			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	15000	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	96000	
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)**

<b>No Data Filled!</b>
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**Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

<b>No Data Filled!</b>
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**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	Jibin Jose	Assistant Professor	Idea/Innovation Development, Entrepreneurship/Startup Development, IPR Protection & Commercialization	6
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Zaara Biotech		Within	
	Devaditek Innovations Private Limited		Within	U31900KL2019PTC057653
	IBIS Medical Equipment & Systems Pvt Ltd		Outside	U33110KL2008PTC023472
	Automatic Urine and Fecal Disposal System for Bedridden		Within	
	Bionic Arm		Within	
2	Dr. Arun Thomas	Associate Professor	Idea/Innovation Development	2



**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)
		AutoBot	Within	
		RASA-Let Your Taste Travel	Within	
		Solitude: Sound of Silence : An enhanced active noise cancellation system using adaptive filter	Within	
		Auto Pothole Filler :Automated pothole-patching machine	Within	
3	Divya R	Associate Professor	Idea/Innovation Development	2
		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Heart Disease Detection using Wireless Sensors	Within	
		Efficient Service Recommendation On Large Data Clusters	Within	
		TOUCH ME NOT-A Women Safety Device	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	Kerala Startup Mission	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship
2	Kerala State Industrial Development Corporation	Entrepreneurship/Startup Development	Unstructured Mentorship
3	PM Yuva	Entrepreneurship/Startup Development	Unstructured Mentorship

**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 Converted 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
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1	I-CURE PORTABLE PHYSIOTHERAPY ASSISTIVE DEVICE WITH BIOFEEDBACK MONITORING AND AR BASED TRAINING MODULE	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	<div style="background-color: #002060; color: white; padding: 5px;">Agency Name</div> Kerala Startup Mission National Instruments, ANSYS-Entuple technologies Mathworks RAMCADDSY S, Cad Marc, Certif-ID, Rezipo, XRevol and Mega Solutions	Yes	No	No	Amount Received in Rs.  15000
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Name	Type	Gender	Email	Contact
Mr. Jibin Jose	Faculty	Male	jibinjose@sahrdaya.ac.in	9946983296

Name	Type	Gender	Email	Contact
Aquiline T. George	Student	Female	-	-
Aquiline T. George	Student	Female	-	-
Shalom Fatemah	Student	Female	-	-
Shalom Fatemah	Student	Female	-	-
Akashya T.S	Student	Female	-	-
Akashya T.S	Student	Female	-	-
Vishnu Shaji	Student	Male	-	-
Vishnu Shaji	Student	Male	-	-

2	VITAL PARAMETER DETECTION USING IMAGE PROCESSING	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	Agency Name Kerala Startup Mission National Instruments, ANSY S-Entuple technologies Mathworks RAMCADDSY S, CadMarc, Certif-ID, Rezipo, XRevol and Mega Solutions	Agency Type Corporate / Industry Association	Award / Position / Recognition Secured Best MATLA B Project Award in SRI STI 2020	No	No	No	Amount Received in Rs. 15000
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Name	Type	Gender	Email	Contact
Ms. Sony N S	Faculty	Female	sonyns@sahrdaya.ac.in	9995132042

Name	Type	Gender	Email	Contact
Aishwarya	Student	Female	-	-
Deepak Sajan D	Student	Male	-	-
Midhu Susan Baby	Student	Female	-	-
Ritty Francis	Student	Female	-	-

3	COMMUNICATION FOR CHILDREN WITH CEREBRAL PALSY	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	<div data-bbox="981 19 1057 949" data-label="Text">Agency Name</div> <div data-bbox="1057 19 1128 949" data-label="Text">Kerala Startup Mission , National Instruments, ANSY S-Entuple technologies , Mathworks , RAMCADDSY S, Cad Marc, Certif-ID, Rezipo, XRevol and Mega Solutions</div> <div data-bbox="981 949 1057 1125" data-label="Text">Agency Type</div> <div data-bbox="1057 949 1128 1125" data-label="Text">Corporate / Industry Association</div> <div data-bbox="981 1125 1057 1463" data-label="Text">Award / Position / Recognition Secured</div> <div data-bbox="1057 1125 1128 1463" data-label="Text">Best Computer Application Project Award in SRI STI 2020</div>	No	No	No	<div data-bbox="1883 19 2054 1463" data-label="Text">Amount Received in Rs.</div> <div data-bbox="2054 19 2195 1463" data-label="Text">15000</div>
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Name	Type	Gender	Email	Contact
Ms. Ann Soniya	Faculty	Female	annsoniya@sahrdaya.ac.in	9495421380

Name	Type	Gender	Email	Contact
Ali Bin Akbar	Student	Male	-	-
Ali Bin Akbar	Student	Male	-	-
Anna Siby	Student	Female	-	-
Anna Siby	Student	Female	-	-
Jeslin P.J	Student	Female	-	-
Jeslin P.J	Student	Female	-	-
Namitha	Faculty	Female	-	-
Namitha	Faculty	Female	-	-

4	KEYTHIN	Product Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	<p>Agency Name</p> <p>Kerala Startup Mission , National Instruments, ANSY S-Entuple technologies , Mathworks , RAMCADDSYS, CadMarc, Certif-ID, Rezipo, XRevol and Mega Solutions</p> <p>Agency Type</p> <p>Corporate / Industry Association</p>	Yes	Grant Amount in Rs	72000	Date of Investment Raised	<p>Loan/Investment Agency Name</p> <p>Agency Type</p> <p>Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)</p> <p>10-02-2020</p>	Kerala Startup Mission	Govt. Agency (State)	200000	Amount Received in Rs.	5000
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National  
Level  
Technical  
Project  
Competition  
and  
Exhibition  
Srishti  
2020

Name	Type	Gender	Email	Contact
Megha Vincent	Student	Female	meghavincent18@gmail.com	9061081852

Name	Type	Gender	Email	Contact
Alisha Babu	Student	Female	-	-
Alisha Babu	Student	Female	-	-
Anugraha V I	Student	Female	-	-
Anugraha V I	Student	Female	-	-
Saincy Mariya	Student	-	-	-
Saincy Mariya	Student	-	-	-

5	DEVELOPMENT OF CHOLESTEROL BIOSENSOR USING AU NANOPARTICLES DECORATED F-MWCNT COVERED WITH POLYPYRROLE NETWORK	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	Agency Name Kerala Development and Innovation Strategic Council	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured Selected for Government of Kerala - Young Innovators Program	No	20000	No	No
													Grant Amount in Rs		

Name	Type	Gender	Email	Contact
Ms. Ranimol.G	Faculty	Female	ranimolg@sahrdaya.ac.in	9995387413

Name	Type	Gender	Email	Contact
Nourin Shakeeb	Student	Female	-	-
Rakesh V R	Student	Male	-	-
Riya Thomas	Student	Female	-	-
Sreelakshmi Rajesh	Student	Female	-	-

6	BIODEGRADABLE ADHESIVE BAND-AID	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	Agency Name	Malaya Manorama Daily	No	No	No		Amount Received in Rs.	1000
									Agency Type	Corporate / Industry Association						
									Award / Position / Recognition Secured	selected for the final round of Manorama Yuva Mastermind Project Competition						

Name	Type	Gender	Email	Contact
Dr. MIDHILA PADMAN	Faculty	Female	midhila@sahrdaya.ac.in	04802759275

Name	Type	Gender	Email	Contact
MARZAAN M	Student	Female	-	-
MAYA S	Student	Female	-	-
MUSTHAQU T M	Student	Male	-	-
MIJIL MARTIN	Student	Male	-	-

7	FLOOD HAZARD MAPPING USING GIS	Product Innovation, Process Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Ms. RESHMA ANTONY	Faculty	Female	reshmaantony@sahrdaya.ac.in	9495552618

Name	Type	Gender	Email	Contact
Akhila Suresh	Student	Female	-	-
Fini Joby	Student	Female	-	-
Mable Mary Paul	Student	Female	-	-
Sudheesha E S	Student	Female	-	-

8	UNPARALYZE: CONTROL THE WORLD WITH YOUR EYES	Product Innovation	Technological		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	<table border="1"> <tr> <td data-bbox="981 19 1059 571">Agency Name</td> <td data-bbox="1059 19 1126 571">International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)</td> </tr> <tr> <td data-bbox="981 571 1059 713">Agency Type</td> <td data-bbox="1059 571 1126 713">International Agencies</td> </tr> <tr> <td data-bbox="981 713 1059 1332">Award / Position / Recognition Secured</td> <td data-bbox="1059 713 1126 1332">Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)</td> </tr> </table>	Agency Name	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	Agency Type	International Agencies	Award / Position / Recognition Secured	Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	No	No	No	No
Agency Name	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)																		
Agency Type	International Agencies																		
Award / Position / Recognition Secured	Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)																		

Name	Type	Gender	Email	Contact
Dr. VISHNU RAJAN	Faculty	Male	vishnurajan@sahrdaya.ac.in	8113997771

Name	Type	Gender	Email	Contact
Rahul Sethumadhavan	Student	Male	-	-
Thandassery Abhirami Ramanan	Student	Female	-	-
Sona M S	Student	Female	-	-
Divya Vinayan	Student	Female	-	-

9	Heart and lung sound acquisition using 3D printed digital stethoscope and synchronous separation using feed forward non-linear networks for automated diagnosis	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 94000	No	No
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Name	Type	Gender	Email	Contact
Dr.Finto Raphael	Faculty	Male	finto@sahrdaya.ac.in	9995078358

Name	Type	Gender	Email	Contact
Dr.Remya George	Faculty	Female	-	-

10	A paper based microfluidic device for early detection of pre-eclampsia	Product Innovation	Technological		Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 2 : Technology formulation . Concept and application have been formulated.	Innovation Development Ongoing	No	No	Grant Amount in Rs 300000	No	No
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Name	Type	Gender	Email	Contact
Dr. Jeethu Raveendran	Faculty	Female	jeethu@sahrdaya.ac.in	8122283477

Name	Type	Gender	Email	Contact
Dr. Dhanya Gangadharan	Faculty	Female	-	-

**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 Start-up 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	Devaditek Innovations Pvt Ltd	Product Innovation	Technological	1102	External to the Institute/ Incubatee	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Venture with Corporate Identification Number (CIN) Registration</p> </div> <div style="width: 45%;"> <p>U31900KL2019PTC057653</p> </div> </div>	2019-20	Received Incubation Support from Incubation Unit	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Agency Name</td> <td>Collegiate Congress under the United Nations Master Plan initiative</td> </tr> <tr> <td>Agency Type</td> <td>International Agencies</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Collaborated with the Collegiate Congress under the United Nations Master Plan initiative</td> </tr> </table>	Agency Name	Collegiate Congress under the United Nations Master Plan initiative	Agency Type	International Agencies	Award / Position / Recognition Secured	Collaborated with the Collegiate Congress under the United Nations Master Plan initiative	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">Grant Amount in Rs</td> <td>40000</td> </tr> </table>	Grant Amount in Rs	40000	No	<table border="1" style="width: 100%;"> <tr> <td style="width: 80%;">Amount Received in Rs</td> <td>240000</td> </tr> </table>	Amount Received in Rs	240000	Yes
Agency Name	Collegiate Congress under the United Nations Master Plan initiative																						
Agency Type	International Agencies																						
Award / Position / Recognition Secured	Collaborated with the Collegiate Congress under the United Nations Master Plan initiative																						
Grant Amount in Rs	40000																						
Amount Received in Rs	240000																						
Name		DIN number		Type		Gender		Email		Contact													
Sumith C Mohan		08423298		Innovator/Entrepreneur External to Institute		Male		info@devaditek.com		7012332799													

2	Zaara Biotech Ip	Product Innovation	Technological	1102	Student	Venture with Corporate Identification Number (CIN) Registration	3351/2019	2019-20	Received Incubation Support from Incubation Unit	Agency Name Kerala Startup Mission	Agency Type Govt. Agency (State)	Sponsored by Kerala Startup Mission to Exhibit at GITEX 2019-Worlds Largest Technology Exhibition at Dubai	Award / Position / Recognition Secured	Grant Amount in Rs	75000	Loan/Investment Agency Name innovation and Entrepreneurship Development Centre Sahrdaya	Agency Type innovation and Entrepreneurship Development Centre Sahrdaya	Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	Date of Investment Raised innovation and Entrepreneurship Development Centre Sahrdaya	Amount Received in Rs	36000	Yes
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Name	DIN number	Type	Gender	Email	Contact
Najeeb Bin Haneef	08292162	Student	Male	najeebhaneef@gmail.com	9539938147

3	ZUM HEILEN HEALTHCARE PRIVATE LIMITED	Product Innovation	Technological	1102	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	U33110KL2020PTC062712	2018-19	Graduated from the Incubation unit	No	No	No	No	Yes
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Name	DIN number	Type	Gender	Email	Contact
Dr. Prasanth Varkey	07062572	Innovator/Entrepreneur External to Institute	Male	drpvarkey@zumheilen.com	9249584682



4	Farmers Freshzone Private Limited	Product Innovation	Technological	6681	Alumni	Venture with Corporate Identification Number (CIN) Registration	U01100KL2016PTC045752	2016-17	Graduated from the Incubation unit	Agency Name Kerala Startup Mission	Agency Type Govt. Agency (State)	Award / Position / Recognition Secured	No	Loan/Investment Agency Name Indian Angel Network	Agency Type Indian Angel Network	Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	Indian Angel Network	Date of Investment Raised	Indian Angel Network	No	Yes											
<table border="1"> <thead> <tr> <th>Name</th> <th>DIN number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Pradeep P</td> <td>07504312</td> <td>Alumni Entrepreneur</td> <td>Male</td> <td>pradeep@farmersfz.com</td> <td>7293943993</td> </tr> </tbody> </table>																					Name	DIN number	Type	Gender	Email	Contact	Pradeep P	07504312	Alumni Entrepreneur	Male	pradeep@farmersfz.com	7293943993
Name	DIN number	Type	Gender	Email	Contact																											
Pradeep P	07504312	Alumni Entrepreneur	Male	pradeep@farmersfz.com	7293943993																											
5	TRINITINE INNOVATIONS LLP	Product Innovation	Technological	6681	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	AAQ-7261	2019-20	Graduated from the Incubation unit	Agency Name Kerala Startup Mission	Agency Type Govt. Agency (State)	Idea Grant	No	Loan/Investment Agency Name Kerala Startup Mission	Agency Type Kerala Startup Mission	Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)	Kerala Startup Mission	Date of Investment Raised	Kerala Startup Mission	No	No											
<table border="1"> <thead> <tr> <th>Name</th> <th>DIN number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>VARGHESE THOMAS</td> <td>08579432</td> <td>Innovator/Entrepreneur External to Institute</td> <td>Male</td> <td>drthomas2712@gmail.com</td> <td>7559923582</td> </tr> </tbody> </table>																					Name	DIN number	Type	Gender	Email	Contact	VARGHESE THOMAS	08579432	Innovator/Entrepreneur External to Institute	Male	drthomas2712@gmail.com	7559923582
Name	DIN number	Type	Gender	Email	Contact																											
VARGHESE THOMAS	08579432	Innovator/Entrepreneur External to Institute	Male	drthomas2712@gmail.com	7559923582																											
6	JOBIN AND JISMI IT SERVICES LLP	Service Innovation	Technological	6681	Alumni	Venture with Corporate Identification Number (CIN) Registration	AAB-8707	2013-14	Graduated from the Incubation unit	No			No	No						No	Yes											

Name	DIN number	Type	Gender	Email	Contact
AYYAMPILLY ITTEERA JISMI	06714116	Alumni Entrepreneur	Female	jismi@jobinandjismi.com	9645215867

### 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	Agappe Diagnostic Pvt Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation, Mentoring, Networking, Investment	3	18-01-2019
2	St James Hospital	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation, Mentoring, Networking	3	01-10-2020

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

<b>No Data Filled!</b>
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### Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

<b>No Data Filled!</b>
------------------------

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

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	Device For Surgical Assistance	PatentsHoldByInnovations	16/233571	Granted	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Varghese Thomas, Ps John, Jibin Jose, Geo Paul Elamkunnappuzha		Incubatee Innovator	Varghese Thomas, Ps John,	
2	Biome Organic Air Purifier-Using Arthrospira Platensis For Air Purification	PatentsHoldByInnovations	35620	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Aswin Sasi, Hilal Aboobacker, Haritha R, Anna Jelson, Dhanya Gangadharan		Incubatee Innovator	Aswin Sasi, Hilal Aboobac	
3	Marijuana Detector	PatentsHoldByInnovations	E-2/79/2019-C	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Manu Joseph, Achyuthanandh K, Aysha Regha S, Gopika Menon, Parvathy M, Ambily Francis, Dhanya Gangadharan		Incubatee Innovator	Manu Joseph, Achyuthanand	
4	Melanin based Biopanel	PatentsHoldByInnovations	8816	Published	NA

		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
		Ms Marria C Cyriac, Jeethu Raveendran, Sudhin Thampi, Sili VS, Aswathy BS, Ayana A Viswanathan, Archana CA, Christeena Davi, Nibim Jobi	Incubatee Innovator	Ms Marria C Cyriac, Jeeth	
5	Biofil	PatentsHoldByInnovations	3295	Filed	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
		Jain Rose, Sherin Shams, Thamanna, Libna Lawrence, Leon Ittiachen	Incubatee Innovator	Jain Rose, Sherin Shams,	
6	Sensitive Information Management System And Method Thereof	PatentsHoldByInnovations	201941019479	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
7	System And Method For Detecting Presence Of An Intruder Near A Neonatal Crib	PatentsHoldByInnovations	201941028405	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
		1)Dr. R. Sunder 2)Dr. D. Daniel 3)Dr. T. Kalapiryan 4)Dr. R. S. Raghav 5)Dr. A. Dinesh Kumar 6)E. Sivaraman	Incubatee Innovator	1)Dr. R. Sunder 2)Dr. D.	
8	System And Method For Managing Association And Dis-Association Of Files Amongst Users	PatentsHoldByInnovations	201941033063	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
		1)Dr. R. Sunder 2)Dr. D. Daniel 3)Dr. T. Kalapiryan 4)Dr. R. S. Raghav 5)Dr. A. Dinesh Kumar 6)E. Sivaraman	Incubatee Innovator	1)Dr. R. Sunder 2)Dr. D.	
9	Design Development Of Fault Diagnosis By Using Fuzzy Neural Networks For Hydroponic Systems In lot Environment	PatentsHoldByInnovations	201941048257	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
		Dr.R.Sunder Dr.Nikhath Parveen Dr.Raja Krishnamoorthi Dr Siva Shankar S Dr.S.Arun, Gayatri Parasa Dr.G.Sreenivasalu	Incubatee Innovator	Dr.R.Sunder Dr.Nikhath Par	
10	A System And Method Of Biometric Identification Based On Distributed Internet-Of-Things Lock And Unlocking Thereof	PatentsHoldByInnovations	201941028900	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
11	A System And Method Of lot Based Intelligence Green House Surveying System With Cloud Computing	PatentsHoldByInnovations	201941033012	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	
12	An Automated lot Based Agriculture Monitoring System With Plurality Of Sensors To Detect Parameters Related Thereof	PatentsHoldByInnovations	2019410449558	Published	Uploaded
		<b>Applicant Name</b>	<b>Applicant Type</b>	<b>Start-up/Innovator Name</b>	

13	System And Method For Detecting Trespasser And Transmitting Detected Data To Computing Device	PatentsHoldByInnovations	201941050682	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr.R.Sunder		Incubatee Innovator	Dr.R.Sunder	
14	Lot Based Smart Purchase And Billing By Secured Payment System Through The Device Mounted In The Shopping Carts	PatentsHoldByInnovations	202041016835	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Krishnadas J		Incubatee Innovator	Krishnadas J	
15	Portable Low Cost Smart Spirometer Using Embedded & lot	PatentsHoldByInnovations	202041029484	Published	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr.M.Rajeswari		Incubatee Innovator	Dr.M.Rajeswari	
16	A Smart Methodology To Track The Spread Of Pandemic And Sanitizing At Regular Intervals	PatentsHoldByInnovations	2020103763	Granted	Uploaded
	Applicant Name		Applicant Type	Start-up/Innovator Name	
	Dr. R. Satheesh Kumar		Incubatee Innovator	Dr. R. Satheesh Kumar	

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

**No Data Filled!**

**List the patent Published & Granted to HEI**

**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. NIXON KURUVILA (Head of Institute) and Mr. JIBIN JOSE (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. NIXON KURUVILA  
Head of the Institution,  
Kodakara, Kerala

Nodal officer



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Mr. JIBIN JOSE  
Nodal Officer,  
Kodakara, Kerala