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

Institute Name: Kerala University [ARI-U-0260]

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

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Department of Aquatic Biology and Fisheries	Academic Department with lab facility	Aquatic Biology & Fisheries	UG / PG / PhD	Technical	32	5	4
Department of Botany	Academic Department with lab facility	Botany	UG / PG / PhD	Non-Technical	110	11	10
Department of Demography	Academic Department with lab facility	Demography and Biostatistics	UG / PG / PhD	Non-Technical	16	8	2
Department of Demography	Academic Department with lab facility	Actuarial Science	UG / PG / PhD	Technical	10	3	2
Department of Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Technical	64	7	3
Department of Psychology	Academic Department with lab facility	Psychology	UG / PG / PhD	Non-Technical	25	8	11
Department of Environmental Sciences	Academic Department with lab facility	Environmental Sciences	UG / PG / PhD	Non-Technical	12	4	2
Department of Optoelectronics	Academic Department with lab facility	Optoelectronics	UG / PG / PhD	Technical	38	7	7
Department of Archaeology	Academic Department with lab facility	Archaeology	UG / PG / PhD	Non-Technical	42	11	3
Department of Commerce	Academic Department with lab facility	Commerce	UG / PG / PhD	Non-Technical	95	6	3
Department of Law	Academic Department with lab facility	Law	UG / PG / PhD	Non-Technical	30	5	3
Department of Linguistics	Academic Department with lab facility	Linguistics	UG / PG / PhD	Non-Technical	34	6	0
Institute of Management in Kerala	Academic Department with lab facility	Management Studies	UG / PG / PhD	Non-Technical	161	2	3
Department of Biochemistry	Academic Department with lab facility	Biochemistry	UG / PG / PhD	Technical	46	9	3
Department of Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Technical	95	5	3
Department of Geology	Academic Department with lab facility	Geology	UG / PG / PhD	Technical	67	7	7

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

Department	Type	Discipline	Levels	Category			
Department of Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Technical	34	10	2
Department of Statistics	Academic Department with lab facility	Statistics	UG / PG / PhD	Technical	76	5	3
Department of Zoology	Academic Department with lab facility	Zoology	UG / PG / PhD	Technical	63	6	3
Department of Biotechnology	Academic Department with lab facility	Biotechnology	UG / PG / PhD	Technical	25	6	3
Department of Computational Biology and Bioinformatics	Academic Department with lab facility	Computational Biology	UG / PG / PhD	Technical	28	1	1
Department of Computer Science	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	85	7	4
Department of Nanoscience and Nanotechnology	Academic Department with lab facility	Nanoscience	UG / PG / PhD	Technical	6	2	3
Centre for Philosophical Counselling and Research	Academic Department with lab facility	Philosophical Counselling	UG / PG / PhD	Non-Technical	20	1	0
Inter University Centre for Genomics and Gene Technology	Academic Department with lab facility	Genomics and Gene Technology	UG / PG / PhD	Technical	6	10	3
Inter University Centre for Evolutionary and Integrative Biology (ICEIB)	Academic Department with lab facility	Integrative Biology	UG / PG / PhD	Technical	20	4	4
Inter University Centre for Geospatial Information Sciences and Technology	Academic Department with lab facility	Geoinformatics	UG / PG / PhD	Technical	8	1	0
Department of Communication and Journalism	Academic Department with lab facility	Communication and Journalism	UG / PG / PhD	Both	47	5	4
Department of Library and Information Science	Academic Department with lab facility	Library and Information Science	UG / PG / PhD	Technical	35	3	3
Department of Arabic	Academic Department with lab facility	Arabic	UG / PG / PhD	Non-Technical	74	3	1
Institute of English	Academic Department with lab facility	English	UG / PG / PhD	Non-Technical	42	7	5
Department of German	Academic Department with lab facility	German	UG / PG / PhD	Non-Technical	34	2	0
Department of Russian	Academic Department with lab facility	Russian	UG / PG / PhD	Non-Technical	43	1	0
Department of Music	Academic Department with lab facility	Music	UG / PG / PhD	Non-Technical	12	1	4
Department of Malayalam	Academic Department with lab facility	Malayalam	UG / PG / PhD	Non-Technical	87	7	4
Department of Sanskrit	Academic Department with lab facility	Sanskrit	UG / PG / PhD	Non-Technical	36	5	2
Department of Tamil	Academic Department with lab facility	Tamil	UG / PG / PhD	Non-Technical	37	5	2
Oriental Research Institute and Manuscripts Library	Academic Department with lab facility		UG / PG / PhD	Technical	16	6	2

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

Department of Kerala Studies	Academic Department with lab facility	Kerala Studies	UG / PG / PhD	Non-Technical	14	1	3
Department of Economics	Academic Department with lab facility	Economics	UG / PG / PhD	Non-Technical	137	7	3
Department of Educaiton	Academic Department with lab facility	Education	UG / PG / PhD	Non-Technical	69	6	4
Department of History	Academic Department with lab facility	History	UG / PG / PhD	Non-Technical	78	3	3
Department of Islamic Studies	Academic Department with lab facility	Islamic Studies	UG / PG / PhD	Non-Technical	28	3	3
Department of Philosophy	Academic Department with lab facility	Philosophy	UG / PG / PhD	Non-Technical	24	3	2
Department of Political Science	Academic Department with lab facility	Political Science	UG / PG / PhD	Non-Technical	125	9	2
Department of Sociology	Academic Department with lab facility	Sociology	UG / PG / PhD	Non-Technical	134	5	2
Department of Futures Studies	Academic Department with lab facility	Futures Studies	UG / PG / PhD	Technical	38	3	4
Wellspread	Incubation Unit	Chemistry	Not Allowed	Technical	4	3	0
Biovent	Incubation Unit	Biotechnology	Not Allowed	Technical	5	3	0
AUGGEN21	Incubation Unit	Computer Science	Not Allowed	Technical	6	3	0
Kalavara	Incubation Unit	Computational Linguistics	Not Allowed	Technical	4	3	0
Feed Solutionz	Pre-incubation unit	Aqua Culture	Not Allowed	Technical	4	4	0
Biocure - agj	Incubation Unit	Biochemistry	Not Allowed	Technical	3	3	0
Central Laboratory For Instrumentation And Facilitation (CLIF)	Centre of Excellence with Advance Tools & Equipment	Sciences, Applied Sciences, Engineering and Technology	Not Allowed	Technical	1100	10	3
Kerala University - Technology Business Startup Centre (KU-TBSC)	Research Unit / Park	Sciences, Applied Sciences, Technology and Engineering	Not Allowed	Technical	1600	5	0
Computer Centre	Centre of Excellence with Advance Tools & Equipment	Computer Science and IT	Not Allowed	Technical	1600	25	2
University College of Engineering Kariavattom	Academic Department with lab facility	Engineering and Technology	UG / PG / PhD	Technical	92	46	10
Sukrithi	Incubation Unit	Ayurvedic Cosmetics	Not Allowed	Technical	3	1	0
Ila Pharmaceuticals	Incubation Unit	Ayurvedic	Not Allowed	Technical	2	1	0

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

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201811125
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

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	IDEA Day	Innovation	Ideation	Institute Lead Activity	Kerala University - Technology Business Startup Centre (KU-TBSC)	25-04-2019 00:00:00	25-04-2019 00:00:00	1	Within Campus	50	10	0	0	60	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) — 5000	Award / Position / Recognition Secured — Financial Grant; Title of Innovation / Start-up Secured the Award / Recognition — Biovent; Award/Recognition/Achievement Received for

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	Young Innovators Programme (YIP)	Innovation	Ideation	Kerala Development Innovation Strategic Council (KDISC)	Govt. Agency (State)	30-12-2019 00:00:00	30-12-2019 00:00:00	1	3	1	4	No	---	---	No	No

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

2	Young Innovators Programme (YIP)	Innovation	Ideation	Kerala Development Innovation Strategic Council (KDISC)	Govt. Agency (State)	22-01-2020 00:00:00	22-01-2020 00:00:00	1	3	0	3	No	---	---	No	No
3	Young Innovators Programme (YIP)	Innovation	Ideation	Kerala Development Innovation Strategic Council (KDISC)	Govt. Agency (State)	16-01-2020 00:00:00	16-01-2020 00:00:00	1	3	0	3	No	---	---	No	No
4	Young Innovators Programme (YIP)	Innovation	Ideation	Kerala Development Innovation Strategic Council (KDISC)	Govt. Agency (State)	28-02-2020 00:00:00	28-02-2020 00:00:00	1	3	1	4	No	---	---	No	No

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	Actuarial Science	Innovation	Full time Program	Master	Demography	01-01-2019	31-12-2020	731	Offline	10	999
2	Applied Statistics and Data Analytics	Innovation	Full time Program	Master	Statistics	02-05-2019	30-12-2020	609	Offline	13	999
3	West Asian Studies	Innovation	Full time Program	Master	Islamic Studies	02-05-2019	31-12-2020	610	Offline	10	999
4	Technology Management	Entrepreneurship/Startup, Innovation	Full time Program	Master	Futures Studies	02-05-2019	31-12-2020	610	Offline	5	999
5	Data Science	Innovation	Full time Program	Master	Futures Studies	02-05-2019	31-12-2020	610	Offline	13	999
6	Public Law and IPR	IPR	Full time Program	Master	Law	02-05-2019	31-12-2020	610	Offline	25	999
7	Global Business Operations	Innovation	Full time Program	Master	Commerce	02-05-2019	31-12-2020	610	Offline	32	999
8	MBA Travel and Tourism	Innovation	Full time Program	Master	Institute of Management in Kerala	02-05-2019	31-12-2020	610	Offline	73	999
9	MSc Computational Biology	Innovation	Full time Program	Master	Computational Biology	02-05-2019	31-12-2020	610	Offline	7	999

LiList 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	160th Orientation Programme	Innovation	FDP in I&E / IPR	UGC- HRDC	16-01-2019	12-02-2019	28	Offline	59	140
2	161st Orientation Programme	Innovation	FDP in I&E / IPR	UHC- HRDC	27-02-2019	26-03-2019	28	Offline	68	140
3	162nd Orientation Programme	Innovation	FDP in I&E / IPR	UGC-HRDC	26-04-2019	23-05-2019	28	Offline	67	140
4	163rd Orientation Programme	Innovation	FDP in I&E / IPR	UGC-HRDC	13-06-2019	03-07-2019	21	Offline	62	140
5	Womens Studies an Women Empowerment	Innovation	FDP in I&E / IPR	UGC-HRDC	24-01-2019	14-02-2019	22	Offline	73	140
6	Education and Teaching Methods	Innovation	FDP in I&E / IPR	UGC-HRDC	11-03-2019	31-03-2019	21	Offline	26	105
7	Human Rights	Innovation	FDP in I&E / IPR	UGC-HRDC	12-06-2019	25-06-2019	14	Offline	60	70

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. Manoj Changat	Futures Studies	Professor	No	No
2	Dr. Gabriel Simon Thattil	Commerce	Professor	No	No
3	Dr. K. S. Chandrasekar	IMK	Professor	Highest degree name in I&E and IPR: PhD; Degree Type: PhD; Year of Highest degree in I&E and IPR: 2001	No
4	Dr. Achuthsankar S. Nair	Computational Biology and Bioinformatics	Professor	No	No
5	Sri. Sanal Kumar S. P.	Futures Studies	System Analyst	Highest degree name in I&E and IPR: MPhil; Degree Type: PG; Year of Highest degree in I&E and IPR: 1993	No
6	Dr. G. Raju	Commerce	Professor	No	No
7	Dr. A. Bijukumar	Aquatic Biology and Fisheries	Professor	No	No
8	Dr. Sreejith P.	Zoology	Assistant Professor	No	No
9	Jayakumaran Nair	Biotechnology	Professor	No	No
10	Dr. S. A. Shanavas	Linguisitics	Professor	No	No
11	Dr. Annie Abraham	Biochemistry	Professor	No	No
12	Dr. S. M. A. Sibli	Chemistry	Professor	No	No

13	Dr. Ambeeshmon	Institute of Management in Kerala	Assistant Professor	No	No
14	Dr. Razia Begum	Commerce	Professor	No	No
15	Dr. Hari Kumar P. N.	Commerce	Professor	No	No
16	Dr. Sindhu Thulaseedharan	Law	Associate Professor	No	No
17	Dr. Rakendu C. K.	Law	Assistant Professor	No	No
18	Dr. Pramod Kiran R. B.	Aquatic Biology and Fisheries	Assistant Professor	No	No

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	Skill Acquisition Club	Innovation Club	2015	Co-working Space	Pre-Incubation Unit	3	Lekshmi R.	lekshmirajan510@gmail.com	7592038920
2	Innovation Club	Innovation Club	2015	Co-working Space	Pre-Incubation Unit	2	Bhagavathy J. S.	bhagavathyjs99@gmail.com	9496540399

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	Kerala University Technology Business Startup Centre (KU-TBSC)	Startup Cell	2006	Co-working Space,Work Stations	Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre	Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre	Facility Incharge Name	Dr. Manoj Changat	6	No	No	No
							Facility Incharge Email	mchangat@keralauniversity.ac.in				
							Facility Incharge Phone	9446967394				

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?

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

1	Central Laboratory for Instrumentation and Facilitation	2016	Innovation Park/Research Park	DST-PURSE	Facility Incharge Name: Dr. G. Prasad Facility Incharge Email: probios1@gmail.com Facility Incharge Phone: 9497254158	19	No	No	Yes

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
-	-	-	0

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	Biovent	2016	Innovation Labs,Centre of Excellence with Advance Tools	Nil	Facility Incharge Name: Dr. Jayakumaran Nair A Facility Incharge Email: jekksnair@gmail.com Facility Incharge Phone: 9447059164	3	No	No	No
2	Wellspread Technologies	2016	Innovation Labs,Centre of Excellence with Advance Tools	Nil	Facility Incharge Name: Dr. S.M.A Shibli Facility Incharge Email: smashibli@yahoo.com Facility Incharge Phone: 9249863611	3	No	No	No

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

3	AUUGGEN21	2019	Innovation Labs,Centre of Excellence with Advance Tools	Nil	Facility Incharge Name	Philomona Simon	4	No	No	No
					Facility Incharge Email	philomina.simon@gmail.com				
					Facility Incharge Phone	8893769627				
4	Sukrithi	2015	Innovation Labs,Centre of Excellence with Advance Tools	Nil	Facility Incharge Name	Dr. Sreejith P	3	No	No	No
					Facility Incharge Email	p.sreejith@gmail.com				
					Facility Incharge Phone	9496793794				

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data FIled!

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	IPR Cell	2014	Incubation Unit,Innovation Labs,Centre of Excellence with Advance Tools	Nil	Facility Incharge Name	Dr. Sibi.K.S	3	No	No	No
					Facility Incharge Email	kssibi1@gmail.com				
					Facility Incharge Phone	9847470356				

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. Manoj Changat	Professor	Entrepreneurship/Startup Development	4

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)
	Start up		Within	
2	Dr. Manoj Changat	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Maklab		Within	
3	Dr. Gabriel Simon Thattil	Professor	Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Auggen21		Within	
4	Dr. K. S. Chandrasekar	Professor	Entrepreneurship/Startup Development	15
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Biovent		Within	
5	Dr. Achuthsankar S. Nair	Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	10
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	MaD Analytics, Soorya Kiran		Within	
6	Sri. Sanal Kumar S. P.	System Analyst	Entrepreneurship/Startup Development	8
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Biovent, Auggen21, Kalavara		Within	
7	Sreejith Parameswara Panickar	Assistant Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	4
	Name of Idea/Innovation/ Startup Mentored		**Mentoring Setup [Within (or) Outside] HEI**	**CIN (in case it is Startup)**
	Sukruthi, Ila		Within	

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	Dr. Parag Kulkarni	Idea/Innovation Development,Entrepreneurship/Startup Development	Unstructured Mentorship
2	Shirish Kotmire	Idea/Innovation Development,Entrepreneurship/Startup Development	Unstructured Mentorship
3	Joby George	Entrepreneurship/Startup Development	Unstructured Mentorship
4	Dr. Suhruth Kumar	IPR Protection & Commercialization	Unstructured Mentorship

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
1	Genome sequencing	Process Innovation	Technological		Student	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	No	No	No	No	No

Name	Type	Gender	Email	Contact
Rashmi Sukumaran	Student	Female	rashmi.sukumaran@gmail.com	8129172911

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

No Data FIled!

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	Kerala Startup Mission	Govt. Agency (State)	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Pre-incubation,Mentoring,Networking	1	10-05-2019

List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?

1	Aqueous root extract of Aeglemarmelos incorporated decellularized tendon graft	IPRFiledPublished	F No.20194105	National	2019 - 12	Uploaded	Filed	No
	Department/Centre Name							
	Biochemistry							
2	Collagen Based Wound Dressing Loaded with Phyto-Nano composite	IPRFiledPublished	F No. 2019410	National	2019 - 12	Uploaded	Filed	No
	Department/Centre Name							
	Biochemistry							
3	Aqueous extract of Tinosporacordifolia incorporated decellularized tendon graft	IPRFiledPublished	F No. 2019410	National	2019 - 12	Uploaded	Filed	No
	Department/Centre Name							
	Biochemistry							
4	Asiatic Acid Laden Hydrogels for Neural Tissue Engineering	IPRFiledPublished	201941053472	National	2019 - 12	Uploaded	Filed	No
	Department/Centre Name							
	Biochemistry							
5	System and method of convection current assisted chemical free synthesis of stabilised metal nano particle	IPRFiledPublished	202041008870	National	2020 - 03	Uploaded	Filed	No
	Department/Centre Name							
	Optoelectronics							
6	Development of Protype of electronic speckle interferometry based spirometer	IPRFiledPublished	202041011209	National	2020 - 03	Uploaded	Filed	No
	Department/Centre Name							
	Optoelectronics							

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	System and method of convection current assisted chemical free synthesis of stabilised metal nano particle	202041008870	National	2020 - 03	Uploaded
	2	Development of Protype of electronic speckle interferometry based spirometer	202041011209	National	2020 - 03

Uploaded		3	Aqueous root extract of Aeglemarmelos incorporated decellularized tendon graft	F No.20194105	National
2019 - 12	Uploaded		4	Collagen Based Wound Dressing Loaded with Phyto-Nano composite	F No. 2019410
National	2019 - 12	Uploaded		5	Aqueous extract of Tinosporacordifolia incorporated decellularized tendon graft
F No. 2019410	National	2019 - 12	Uploaded		6
Asiatic Acid Laden Hydrogels for Neural Tissue Engineering	201941053472	National	2019 - 12	Uploaded	

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data FIled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data FIled!

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 Prof. V.P Mahadevan Pillai (Head of Institute) and Prof. Gabriel Simon Thattil (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

Nodal officer

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Prof. V.P Mahadevan Pillai
Head of the Institution,
Thiruvananthapuram, Kerala

Prof. Gabriel Simon Thattil
Nodal Officer,
Thiruvananthapuram, Kerala

Responsibility for accuracy and authenticity of data lies with the concerned institution.