



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: Bishop Moore College, Mavelikkara, Alappuzha [ARI-C-43711]

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	Department of Physics and Center for Advanced Functional Materials	Research Unit / Park	Physics	UG / PG / PhD	Non-Technical	131	9	4
2	Centre for Nanoscience and Human Milk Research	Research Unit / Park	Chemistry	UG / PG / PhD	Non-Technical	133	9	3
3	Department of Botany and Biotechnology	Academic Department with lab facility	Botany and Biotechnology	UG / PG / PhD	Non-Technical	203	12	3
4	Department of Zoology	Academic Department with lab facility	Zoology	UG / PG / PhD	Non-Technical	105	5	2
5	Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Non-Technical	122	4	0
6	Department of Commerce	Research Unit / Park	Commerce	UG / PG / PhD	Non-Technical	270	7	0
7	Rev. George Mathen Publishing Academy	Incubation Unit	Malayalam Language	UG / PG / PhD	Non-Technical	146	4	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
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC202014966
Trained Innovation Ambassadors at HEI	NO	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

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 /	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	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
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Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

					Centre / Student Body Name									nts	program/activity/event?	
1	Science Day Celebrations	Innovation	Training	Student Lead Activity	Department of Physics	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	115	9	0	0	124	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 10000	No
2	One Day National Workshop on MOOC, SWAYAM and Econtent Development	Innovation	Workshop	Institute Lead Activity	Department of Commerce	29-02-2020 00:00:00	29-02-2020 00:00:00	1	Within Campus	0	15	0	56	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 5000	No
3	National Seminar on Current Trends and Advances in Biological Sciences	Innovation	Workshop	Institute Lead Activity	Department of Botany and Biotechnology	05-02-2020 00:00:00	07-02-2020 00:00:00	3	Within Campus	24	25	8	35	92	No	No
4	Training On Mushroom Production And Marketing	Innovation	Training	Student Lead Activity	Department of Botany and Biotechnology	24-01-2020 00:00:00	24-01-2020 00:00:00	1	Within Campus	120	10	0	0	130	No	No
5	National Seminar on Scientific Solutions for Sustainable Rebuilding of Kerala in the Post Flood Scenario	Innovation	Workshop	Institute Lead Activity	Department of Physics	09-01-2020 00:00:00	10-01-2020 00:00:00	2	Within Campus	35	16	12	15	78	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 60000	No

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

6	Winter School on Materials and Molecular Simulations using Open Source Softwares: From Theory to Practice"	Innovation	Workshop	Institute Lead Activity	Department of Physics	16-10-2019 00:00:00	22-10-2019 00:00:00	7	Within Campus	12	9	5	32	58	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	150000	No
7	Talk on Intellectual Property	IPR	Seminar	Student Lead Activity	Department of Chemistry	19-07-2019 00:00:00	19-07-2019 00:00:00	1	Within Campus	120	12	0	0	132	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
8	How to Develop in Share Market	Entrepreneurship/Start-up	Seminar	Student Lead Activity	Commerce	30-07-2019 00:00:00	30-07-2019 00:00:00	1	Within Campus	250	8	0	0	258	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
9	Preparation of In House Sanitizers	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Centre for Nanosciences and Human Milk Research	19-03-2020 00:00:00	19-03-2020 00:00:00	1	Within Campus	12	9	0	0	21	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	In-house preparation of sanitizers	Innovation	Skill development	Department of Chemistry	Educational Institute	19-03-2020 00:00:00	19-03-2020 00:00:00	1	25	9	34	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	2000	No
2	WWF launched ECHO	Innovation	Training	S N College Kollam	Educational Institute	29-10-2019 00:00:00	29-10-2019 00:00:00	1	4	0	4	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	250	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	Human Resource Management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Economics	03-06-2019	31-10-2019	151	Online	32	58
2	Basics of Environmental Biotechnology	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Department of Botany and Biotechnology	04-06-2019	31-10-2019	150	Offline	28	58
3	Nanoscience and nanotechnology	Innovation	Elective/Core Credit Course	Bachelor	Department of Physics	23-11-2019	12-03-2020	111	Offline	35	72
4	Materials Science I	Innovation	Elective/Core Credit Course	Master	Department of Physics	01-06-2019	25-10-2019	147	Offline	13	72
5	Materials Science II	Innovation	Elective/Core Credit Course	Master	Department of Physics	29-11-2019	12-03-2020	105	Offline	12	72

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	Winter School on Materials and Molecular Simulations using Open Source Softwares From Theory to Practice	Innovation	FDP in I&E / IPR	Department of Physics	16-10-2019	22-10-2019	7	Offline	54	35
2	Accounts Training	Entrepreneurship/Startup	Employment Generation Training Programs	Commerce	17-10-2019	16-06-2020	244	Offline	70	120

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. Lynnette Joseph	Physis	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
2	Jerin Susan John	Physics	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
3	Dr. Santhi W.	Botany and Biotechnology	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)

4	Dr. Jisha S.	Botany and Biotechnology	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
5	Dr. D. Sajan	Physics	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
6	Dr. jerin Susan John	Physics	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
7	Dr. Regy Johnson	Botany and Biotechnology	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
8	Merin George	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
9	Dr. Arun Aravind	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
10	Dr. Lynnette Joseph	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
11	Dr. Jerin Susan John	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
12	Dr. D. Sajan	Centre for Advanced Functional Materials	Assistant Professor	No	No			
13	Javeesh Alex	Centre for Advanced Functional materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
14	Dr. Lija K Joy	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)
15	Dr. Arun Aravind	Centre for Advanced Functional Materials	Assistant Professor	No	Yes			

	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
16	Dr. Arun Aravind	Centre for Advanced Functional Materials		Assistant Professor		No		Yes	
	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

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)

No Data Filled!

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	Centre for Advanced Functional Materials	2011	Innovation Park/Research Park	DST FIST Government of India, KSCSTE SARD Government of Kerala	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. D. Sajan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>drsajambmc@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9495043765</td> </tr> </table>	Facility Incharge Name	Dr. D. Sajan	Facility Incharge Email	drsajambmc@gmail.com	Facility Incharge Phone	9495043765	4	No	No	No
Facility Incharge Name	Dr. D. Sajan														
Facility Incharge Email	drsajambmc@gmail.com														
Facility Incharge Phone	9495043765														

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

No Data Filled!

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

No Data Filled!

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. D. Sajan	Assistant Professor	Idea/Innovation Development	11
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Centre for Advanced Functional Materials		Within		

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

No Data Filled!

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						
1	CRYSTALLINE CHITIN NANO WHISKER AND COMPOSITES THEREOF	Market-place Innovation	Technological	Research Centre of Chemistry	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	<table border="1"> <tr> <td>Agency Name</td> <td>The Government of India</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>Patent Granted</td> </tr> </table>	Agency Name	The Government of India	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	Patent Granted	No	No	No	No
Agency Name	The Government of India																		
Agency Type	Govt. Agency (Central)																		
Award / Position / Recognition Secured	Patent Granted																		

Name		Type				Gender		Email			Contact		
Siji K. Mary		Faculty				Female		sijikmary2010@gmail.com			9496883739		
Name		Type				Gender		Email			Contact		
Rekha Rose Koshy		Faculty				Female		rekhakoshy2@gmail.com			8891619557		
2	Preparation and evaluation of alginate nanoparticles prepared by green method for drug delivery applications	Product Innovation	Technological	Centre for Nanosciences and Human Breast Research	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type				Gender		Email			Contact		
Deepa Thomas		Faculty				Male		deepasmammen@gmail.com			9947010833		
3	Alginate film modified with aloe vera gel and cellulose nanocrystals for wound dressing application: Preparation, characterization and in vitro evaluation	Market-place Innovation	Non-Technological / Social / Community Innovation	Centre for Nanosciences and Human Breast Research	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
Name		Type				Gender		Email			Contact		
Deepa Thomas		Faculty				Female		deepasmammen@gmail.com			9947010833		
Name		Type				Gender		Email			Contact		
Megha S. Nath		Student				Female		-			-		

4	Development of starch based intelligent films by incorporating anthocyanins of butterfly pea flower and TiO2 and their applicability as freshness sensors for prawns during storage	Product Innovation	Technological	Centre for Nanoscience and Human Breast Milk research	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Siji K Mary	Faculty	Female	sijikmary2010@gmail.com	9496883739

5	Proton-induced intermolecular charge transfer in Picolinium Tartrate Monohydrate crystal for OLED and nonlinear optical applications: A combined experimental and computational study	Process Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Student	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Jesby George	Student	Male	jesbypulickal@gmail.com	9037462326

6	Nonlinear optical and photocatalytic dye degradation of Co doped CeO2 nanostructures synthesized through a modified combustion technique	Process Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. D. Sajan	Faculty	Male	drsajanbmc@gmail.com	9495043765

Name	Type	Gender	Email	Contact
Stephy Elizabeth George	Student	Female	-	-

7	Crystal growth, dielectric studies, charge transfer and ionic hydrogen bonding interactions of L-arginine hydrobromide monohydrate single crystal: A novel third order nonlinear optical material for optoelectronic applications	Product Innovation	Technological	Centre for Advanced Functional Materials	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Jerin Susan John	Faculty	Female	jsusan@yahoo.co.in	9496466198

8	Synthesis, physicochemical properties and third-order optical nonlinearities of cadmium (II) dibromide L - Proline monohydrate for optical limiting application	Process Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. D. Sajan	Faculty	Male	drsajanbmc@gmail.com	9495043765

Name	Type	Gender	Email	Contact
Rejeena V Rajan	Student	Female	-	-

9	Growth of toluidine tartrate single crystals: A novel organic NLO material	Product Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Student-Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. D. Sajan	Faculty	Male	drsajanbmc@gmail.com	9495043765

Name		Type							Gender			Email		Contact	
Merin George		Faculty							Female			merin85@gmail.com		9400303003	
10	Growth of a luminescent material trans-diaquabis(pyridine-2-carboxylato)-cobalt(ii) dihydrate for optoelectronic applications	Product Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type							Gender			Email		Contact
	Dr. D. Sajan		Faculty							Male			drsajanbmc@gmail.com		9495043765
	Name		Type							Gender			Email		Contact
Rejeena V Rajan		Faculty							-			-		-	
11	Growth of Morpholin-4-ium hydrogen tartrate single crystal for optical limiting application	Product Innovation	Non-Technological / Social / Community Innovation	Centre for Advanced Functional Materials	Faculty	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No		No	
	Name		Type							Gender			Email		Contact
	Dr. D. Sajan		Faculty							Male			drsajanbmc@gmail.com		9495043765
	Name		Type							Gender			Email		Contact
Jesby George		Faculty							Male			jesbypulickal@gmail.com		-	

12	development of India's first human milk based human milk fortifier for preterm infants	Product Innovation, Service Innovation, Market-place	Technological	Centre for Nanosciences and Human Breast Milk Research	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	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
Dr. Tressia Alias Princy Paulose	Faculty	Female	tressiapaulose@gmail.com	8606807214

13	A process for acetylating an organic compound	Process Innovation	Technological	Centre for Nanosciences and Human Breast Milk Research	External to the Institute/In cubatee	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
REshmy R.	Innovator/Entrepreneur External to Institute	Female	reshmypkumar@gmail.com	9605805867

14	Growth and Characterization of Metal Oxide Thin Films and Nanostructures for Nonlinear and solar cell application	Product Innovation	Technological	Centre for Advanced Functional Materials	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	3100000	No	No
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Name	Type	Gender	Email	Contact
Dr. Arun Aravind	Faculty	Male	bmcarun@gmail.com	9447946947

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

No Data Filled!

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	Pushpagiri Institute of Medical Sciences and Research	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	12	14-02-2019

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	A PROCESS FOR ACETYLATED AN ORGANIC COMPOUND	201941018436	National	2019 - 05	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

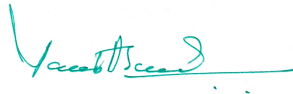
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Jacob Chandy (Head of Institute) and Dr. Ranjith Mathew Abraham (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



Dr. Jacob Chandy
Head of the Institution,
Alappuzha, Kerala

Nodal officer



Dr. Ranjith Mathew Abraham
Nodal Officer,
Alappuzha, Kerala