



# 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: St. Joseph's College [ARI-C-8106]

### 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	Biotechnology	Academic Department with lab facility	Biotechnology	UG / PG / PhD	Technical	120	8	2
2	Business Administration	Academic Department with lab facility	Business	UG / PG / PhD	Technical	100	4	1
3	Botany	Incubation Unit	Botany	UG / PG / PhD	Technical	200	7	3
4	Chemistry	Research Unit / Park	Chemistry	UG / PG / PhD	Both	300	15	5
5	commerce	Research Unit / Park	commerce	UG / PG / PhD	Both	800	30	2
6	computer science	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	200	25	5
7	Economics	Incubation Unit	Economics	UG / PG / PhD	Both	300	7	1
8	English	Research Unit / Park	English Literature	UG / PG / PhD	Non-Technical	350	20	1
9	History	Academic Department with lab facility	History	UG / PG / PhD	Non-Technical	200	5	1
10	Malayalam	Academic Department with lab facility	Malayalam	UG / PG / PhD	Both	600	18	3
11	Mathematics	Research Unit / Park	Mathematics	UG / PG / PhD	Technical	250	18	2
12	Journalism and Mass Communication	Academic Department with lab facility	Journalism	UG / PG / PhD	Both	150	5	1
13	Social Work	Academic Department with lab facility	Social Work	UG / PG / PhD	Both	300	12	1
14	Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Both	300	12	4
15	Psychology	Academic Department with lab facility	Psychology	UG / PG / PhD	Both	100	6	1

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

16	Zoology	Academic Department with lab facility	Zoology	UG / PG / PhD	Technical	350	15	5
17	Forensic Science	Academic Department with lab facility	Forensic Science	UG / PG / PhD	Technical	100	4	2
18	Research Centre	Research Unit / Park	Multi Disciplinary Research	Not Allowed	Not Allowed	100	5	2
19	Innovation and incubation center	Incubation Unit	Incubation	Not Allowed	Not Allowed	50	2	1
20	Communicable Disease Research Laboratory	Research Unit / Park	Research	UG / PG / PhD	Both	50	5	1

**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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC202115752
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

**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	International seminar on Interdisciplinary Developments in Cancer research	Innovation	Seminar	Institute Lead Activity	Biotechnology	28-01-2020 00:00:00	29-01-2020 00:00:00	2	Within Campus	193	12	302	36	543	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>25000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	25000																	
2	IPR Tool to protect inventions and creations in biotechnology	IPR	Seminar	Institute Lead Activity	Biotechnology	09-01-2020 00:00:00	10-01-2020 00:00:00	2	Within Campus	162	13	505	42	722	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>10000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000																	

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

3	Industrial Advances in Green Chemistry and Sustainability	Innovation	Seminar	Institute Lead Activity	Chemistry	06-02-2020 00:00:00	07-02-2020 00:00:00	2	Within Campus	95	13	163	21	292	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
4	RESEARCH INNOVATIONS IN SERVICE SECTOR	Innovation	Seminar	Institute Lead Activity	Commerce	27-01-2020 00:00:00	28-01-2020 00:00:00	2	Within Campus	343	25	402	22	792	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	No
5	ADVANCED APPLICATION IN SPREAD SHEET ANALYSIS	Innovation	Workshop	Institute Lead Activity	Commerce	18-01-2020 00:00:00	18-03-2020 00:00:00	61	Within Campus	113	30	176	26	345	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	No
6	BIG DATA ANALYTICS FOR INDUSTRY 4.0	Innovation	Conference	Institute Lead Activity	Computer Science	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	150	12	123	11	296	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
7	Conversational AI Research and Engineering	Innovation	Seminar	Institute Lead Activity	Computer Science	02-02-2020 00:00:00	02-02-2020 00:00:00	1	Within Campus	150	11	175	9	345	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	No
8	Smarter Manufacturing - Textile Defect Detection Using AI/ML	Innovation	Seminar	Institute Lead Activity	Computer Science	09-02-2020 00:00:00	09-02-2020 00:00:00	1	Outside Campus	150	11	113	8	282	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
9	Intellectual property rights Malayalam linguistics and literary discourses	IPR	Workshop	Institute Lead Activity	Malayalam	14-10-2019 00:00:00	14-10-2019 00:00:00	1	Within Campus	350	23	500	18	891	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	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	Species-The Passion V	Innovation	Seminar	St. Thomas College, Thrissur, Research and Postgraduate Department of Botany	Educational Institute	26-06-2019 00:00:00	27-06-2019 00:00:00	2	159	36	195	No	---	---	No	No
2	Modern Trends in Biosystematics of Angiosperms	Innovation	Seminar	Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Palode, Trivandrum	Educational Institute	11-11-2019 00:00:00	13-11-2019 00:00:00	3	348	54	402	No	---	---	No	No
3	Current scenario in plant science	Innovation	Seminar	DST CURIE	Educational Institute	18-12-2019 00:00:00	18-12-2019 00:00:00	1	226	21	247	No	---	---	No	No
4	Recent Advances in Nanoscience and Technology (ICRAN-19)	Innovation	Seminar	Stella Maris College, Chennai	Educational Institute	11-12-2019 00:00:00	12-12-2019 00:00:00	2	203	19	222	No	---	---	No	No
5	Current trends in Chemistry	Innovation	Seminar	CUSAT	Educational Institute	06-02-2020 00:00:00	07-02-2020 00:00:00	2	223	24	247	No	---	---	No	No
6	National Conference on Emerging Trends in Mathematics with Computer Applications	Innovation	Conference	Dept. of Computer Science, Dept. of Mathematics and Dept. of Computer Technology, Dr. N. G. P. Arts and Science College	Educational Institute	12-09-2019 00:00:00	13-09-2019 00:00:00	2	163	26	189	No	---	---	No	No

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

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Intellectual Property Rights	IPR, Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	Biotechnology	03-06-2019	30-03-2020	302	Offline	31	90
2	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	Commerce	03-06-2019	23-03-2020	295	Offline	63	90

**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	Professional Business Skills	Innovation	Employment Generation Training Programs	commerce	03-06-2019	23-03-2020	295	Offline	62	90
2	Writing for Academic and Professional Success	Innovation	Employment Generation Training Programs	English	03-06-2019	23-03-2020	295	Offline	41	90

**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)**

**No Data Filled!**

**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	Entrepreneurship Development club	Startup Club	2003	Co-working Space,Work Stations	Pre-Incubation Unit,Innovation Park/Research Park,IPR Cell/Technology Transfer Centre	5	Daisy PK	pkdaisy2@gmail.com	9947689317
2	Innovation and Entrepreneurship Development Centres	Idea Club	2020	Co-working Space,Work Stations	Pre-Incubation Unit,Incubation Unit,Innovation Park/Research Park,IPR Cell/Technology Transfer Centre	1	Daisy PK	pkdaisy2@gmail.com	9947689317

**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 Establishme	Type of Facilities	Pre-Incubation with Access to	Name of the Funding	Facility Details	Total Nos of Dedicated Executive/Management	Had the Pre-Incubation Unit Provided any	Had institute Generated Income	Had institute spent expenses either from own resource/received fund
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**Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

1	SJC Research center	2018	Pre-Incubation, Incubation Unit, IPR Cell/Technology Transfer Centre, Student Clubs		Facility Incharge Name	Dr Sr Viji MO	2	Yes	Yes		Yes	
					Facility Incharge Email	srflowe retchf@gmail.com			Total Annual Income from Training and Skill Development Services (In Rupees)			
					Facility Incharge Phone	90376 79068			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)			
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)			
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?						
1	IPR Cell	2015	Pre-Incubation, Incubation Unit, Innovation Park/Research Park, Student Clubs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr Anees h EM</td> </tr> <tr> <td>Facility Incharge Email</td> <td>anees hembail@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94007 41861</td> </tr> </table>	Facility Incharge Name	Dr Anees h EM	Facility Incharge Email	anees hembail@gmail.com	Facility Incharge Phone	94007 41861	0	No	No	No
Facility Incharge Name	Dr Anees h EM														
Facility Incharge Email	anees hembail@gmail.com														
Facility Incharge Phone	94007 41861														

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

<b>No Data Filled!</b>
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**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
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**Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

1	District Industries Centre (DIC) Thrissur	Entrepreneurship/Startup Development	Unstructured Mentorship
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**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												
1	Femella	Product Innovation	Technological		Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	Yes	No	No	No												
				<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr Aneesh EM</td> <td>Faculty</td> <td>Male</td> <td>aneeshembalil@gmail.com</td> <td>9400741861</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Dr Aneesh EM	Faculty	Male	aneeshembalil@gmail.com	9400741861										
Name	Type	Gender	Email	Contact																					
Dr Aneesh EM	Faculty	Male	aneeshembalil@gmail.com	9400741861																					
2	E Bazar	Service Innovation	Non-Technological / Social / Community Innovation		Student-Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	Yes	No	No	No												



Name	Type	Gender	Email	Contact
Daisy PK	Faculty	Female	Pkdaisy2@gmail.com	9947689317

**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**

No Data Filled!

**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**

No Data Filled!

**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

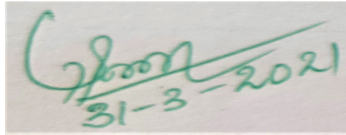
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Sr. Anis K V (Head of Institute) and Mr. Najjil George (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

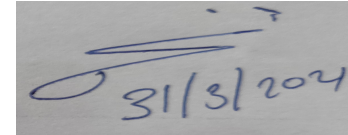
The Head of Institute



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Dr. Sr. Anis K V  
Head of the Institution,  
Thrissur, Kerala

Nodal officer



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Mr. Najjil George  
Nodal Officer,  
Thrissur, Kerala