



ARIIA

ATAL 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: Goa University [ARI-U-0121]

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	GOA UNIVERSITY	Academic Department with lab facility	MULTIDISCIPLINARY	UG / PG / PhD	Non-Technical	1977	183	512

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 : IC201810400
Trained Innovation Ambassadors at HEI	YES	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	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	Field/exposure visit to village/society/school/industry/market	Entrepreneurship/Startup	Training	Institute Lead Activity	Goa University	20-12-2019 00:00:00	20-12-2019 00:00:00	1	Outside Campus	30	5	140	0	175	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>40000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	40000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	40000																	

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

2	One day workshop on problem solving/design thinking/ideaation workshop etc.	IPR	Workshop	Institute Lead Activity	Goa University	21-10-2019 00:00:00	21-10-2019 00:00:00	1	Within Campus	40	8	0	1	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	6000	No
3	My story - entrepreneurs life & crossroad - motivational speak - to shared by entrepreneur	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	01-10-2019 00:00:00	01-10-2019 00:00:00	1	Within Campus	75	10	0	1	86	No	No	
4	Design thinking and Industry 4.0 - lecture by Dr. Charles M. Wood	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	75	10	0	1	86	No	No	
5	What's in store in future for retail - lecture by Mr. Kirit J. Maganlal	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	27-09-2019 00:00:00	27-09-2019 00:00:00	1	Within Campus	130	11	37	1	179	No	No	
6	Emergence from exponential future - lecture by Samir Soni	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	130	11	12	1	154	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10500	No
7	Organize a product design/design thinking workshop	Innovation	Conference	Institute Lead Activity	Goa University	23-11-2019 00:00:00	24-11-2019 00:00:00	2	Outside Campus	20	7	149	1	177	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	150000	No
8	Vibrant Goa	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Goa University	19-10-2019 00:00:00	19-10-2019 00:00:00	1	Within Campus	73	14	11	1	99	No	No	

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

9	Family run business in Goa - lecture by Shri. Manoj Caculo	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Within Campus	130	11	16	1	158	No	No	
10	Goods and service tax: present scenario, challenges and opportunities	Entrepreneurship/Startup	Motivational speak	Institute Lead Activity	Goa University	11-10-2019 00:00:00	11-10-2019 00:00:00	1	Within Campus	75	10	0	1	86	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	No
11	The 10th international conference on technology for education (T4E2019)	Innovation	Conference	Institute Lead Activity	Goa University	09-12-2019 00:00:00	11-12-2019 00:00:00	3	Within Campus	40	50	60	60	210	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	280000	No
12	Bootcamp on Innovation, creativity and startups	Entrepreneurship/Startup, Innovation	Boot camp	Institute Lead Activity	Goa University	10-01-2020 00:00:00	10-01-2020 00:00:00	1	Within Campus	150	20	0	30	200	No	No	
13	National science day exhibition - Department of Botany	Innovation	Exhibition	Institute Lead Activity	Goa University	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	75	6	60	10	151	No	No	
14	National science day exhibition - Department of Physics	Innovation	Exhibition	Institute Lead Activity	Goa University	28-02-2020 00:00:00	28-02-2020 00:00:00	1	Within Campus	95	7	60	10	172	No	No	

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

15	Celebration of National Science day: women in science	Innovation	Innovation Contest	Institute Lead Activity	Goa University	05-03-2020 00:00:00	05-03-2020 00:00:00	1	Within Campus	25	5	0	0	30	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3000	Award / Position / Recognition Secured	First prize
																	Title of Innovation / Start-up Secured the Award / Recognition	Novel approach for revegetation of mangroves using AM fungi
																	Award/Recognition/Achievement Received for	Novel Research Paper/Work

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

Smo	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	Regional Proof of Concept Mentoring and Orientation session on Institutions Innovation Council 2.0 and Atal Ranking of Institutions on Innovation Achievements 2020	Innovation	Orientation Session	Institutions Innovation Council, Ministry of Human Resource Development	Govt. Agency (Central)	26-07-2019 00:00:00	26-07-2019 00:00:00	1	2	1	3	No	---	---	No	No
2	Two days capacity building programme on Intellectual Property Rights (IPRs)	IPR	Mentoring Session	Goa State Council for Science and Technology	Govt. Agency (State)	26-09-2019 00:00:00	27-09-2019 00:00:00	2	0	1	1	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	Entrepreneurship	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Goa University	20-06-2019	02-11-2019	136	Online	103	60

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)

No Data Filled!

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

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)

No Data Filled!

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

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/Startup/Venture Development and implementation during the Financial Year 2019-20?
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Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI

1	IPR cell, Goa University	2018	No Such Facilities Exist in the Campus		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Savita S. Kerkar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>savita@unigoa.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>8669609243</td> </tr> </table>	Facility Incharge Name	Savita S. Kerkar	Facility Incharge Email	savita@unigoa.ac.in	Facility Incharge Phone	8669609243	5	No	No	No
Facility Incharge Name	Savita S. Kerkar														
Facility Incharge Email	savita@unigoa.ac.in														
Facility Incharge Phone	8669609243														

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

No Data Filled!

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	Adv. Shalini Menezes	IPR Protection & Commercialization	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	Method for synthesis of Diammonium Monomolybdate	Process Innovation	Technological	School of Chemical Sciences, Goa University	Student-Faculty	TRL 6 : Prototype system tested in intended environment close to expected performance.	TRL 6 : Prototype system tested in intended environment close to expected performance.	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
B. R. Srinivasan	Faculty	Male	sriini@unigoa.ac.in	8669609166

Name	Type	Gender	Email	Contact
S. Morajkar	Student	Male	chem.sudesh.morajkar@unigoa.ac.in	9049445332

2	Process for producing an alkaline protease from a deep-sea fungus	Process Innovation	Technological	Department of Biotechnology	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Chandralata Raghukumar	Innovator/Entrepreneur External to Institute	Female	lata_raghukumar@rediffmail.com	9890404044

Name	Type	Gender	Email	Contact
Usha Muraleedharan	Faculty	Female	usha@unigoa.ac.in	8669609240
Samir Damare	Student	Male	samir@nio.org	08322450447

3	A process for production of low temperature active alkaline protease	Process Innovation	Technological	Biotechnology	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Chandralata Raghukumar	Innovator/Entrepreneur External to Institute	Female	lata_raghukumar@rediffmail.com	9890404044

Name	Type	Gender	Email	Contact
Usha Muraleedharan	Faculty	Female	usha@unigoa.ac.in	8669609240
Samir Damare	Student	Male	samir@nio.org	08322450447

4	A catalyst for complete conversion of carbon monoxide to carbon dioxide at room temperature and process of preparing same	Process Innovation	Technological	School of Chemical Sciences, Goa University	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
A. V. Salker	Faculty	Male	sav@unigoa.ac.in	7083740482

Name	Type	Gender	Email	Contact
Rohan Kunkalekar	Student	Male	rohankunkalekar@unigoa.ac.in	8669609177

5	Room temperature oxidation of carbon monoxide to carbon dioxide	Process Innovation	Technological	School of Chemical Sciences, Goa University	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 Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
A. V. Salker	Faculty	Male	sav@unigoa.ac.in	7083740482
Name	Type	Gender	Email	Contact
Rohan Kunkalekar	Student	Male	rohankunkalekar@unigoa.ac.in	8669609177

6	Process for preparation of carbonic acid esters from diethanolamine and polymers thereof	Process Innovation	Technological	School of Chemical Sciences, Goa University	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
V. S. Nadkarni	Faculty	Male	nitin@unigoa.ac.in	8669609170
Name	Type	Gender	Email	Contact
S. G. Tilve	Faculty	Male	stilve@unigoa.ac.in	8669609167
A. A. A. Mascarenhas	Student	Male	aaa@gec.ac.in	08322336301

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

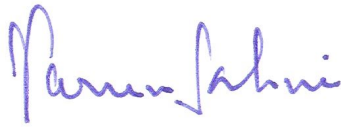
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. Varun Sahni (Head of Institute) and Dr. Elaine T. Dias (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



Prof. Varun Sahni
Head of the Institution,
Taleigao, Goa

Nodal officer



Dr. Elaine T. Dias
Nodal Officer,
Taleigao, Goa