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

Institute Name: DON BOSCO COLLEGE OF ENGINEERING, FATORDA, MARGAO [ARI-C-46324]

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

Srno	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)
1	Department of Electronics and Telecommunication Engineering	Academic Department with lab facility	Electronics and Telecommunication Engineering	UG / PG / PhD	Technical	220	17	4
2	Department of Computer Engineering	Academic Department with lab facility	Computer Engineering	UG / PG / PhD	Technical	253	15	4
3	Department of Civil Engineering	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	239	14	3
4	Department of Mechanical Engineering	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	365	18	9
5	Forum for Innovation Incubation Research and Entrepreneurship	Incubation Unit	Industry 4.0, Manufacturing, Product Development & Agriculture	At all level	Both	30	75	6

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 : IC201810173
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)	Yes	Not Required

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

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student	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?

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

				Body Name											
1	Bootcamp on Innovation	Innovation	Bootcamp	Institute Lead Activity	Goa state Innovation Council in association with Entrepreneurship Cell	28-08-2019 00:00:00	28-08-2019 00:00:00	1	Within Campus	60	0	0	0	60	No	No
2	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Entrepreneurship Cell	23-01-2020 00:00:00	25-01-2020 00:00:00	3	Within Campus	80	0	0	0	80	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 19282	No
3	Technology Based Entrepreneurship Development Programme(TEDP) on Agritech and Agriprocessing	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Forum for Innovation Incubation Research and Entrepreneurship	10-02-2020 00:00:00	21-03-2020 00:00:00	41	Within Campus	0	0	31	0	31	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 304057	No
4	Entrepreneurship Awareness Camp(EAC)	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Entrepreneurship Cell	27-02-2020 00:00:00	29-02-2020 00:00:00	3	Outside Campus	0	0	102	0	102	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 20804	No
5	Smart India Hackathon	Innovation	Hackathon	Institute Lead Activity	Institute Innovation Council-Don Bosco College of Engineering	27-01-2020 00:00:00	27-01-2020 00:00:00	1	Within Campus	132	0	0	0	132	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 3080	No

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

6	One day orientation program on setting up of Atal Tinkering Lab	Innovation	Workshop	Institute Lead Activity	Atal Innovation Mission Mentor of change Mohini Naik(Regional Mentor of change) Goa State Council of Educational Research and Training (SCERT)	15-12-2019 00:00:00	15-12-2019 00:00:00	1	Within Campus	0	0	0	300	300	No	No
7	INSPIRATHON	Innovation	Hackathon	Student Lead Activity	Department of Computer Engineering	19-09-2019 00:00:00	20-09-2019 00:00:00	2	Within Campus	0	0	24	0	24	No	Award / Position / Recognition Secured: First Place; Title of Innovation / Start-up Secured the Award / Recognition: Green Goa; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype
8	INNOVATION AND PRODUCT DEVELOPMENT	Innovation	Motivational speak	Institute Lead Activity	MECHANICAL ENGINEERING DEPARTMENT (DON BOSCO COLLEGE OF ENGINEERING)	20-02-2020 00:00:00	20-02-2020 00:00:00	1	Within Campus	70	3	0	0	73	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	Innovation, Creativity and Startups	Entrepreneurship/Startup	Workshop	Goa state Innovation Council	Govt. Agency (State)	13-09-2019 00:00:00	21-09-2019 00:00:00	9	0	1	1	No	---	---	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

2	Intellectual property Rights and Patent Search	IPR	Workshop	Goa state Innovation Council	Govt. Agency (State)	24-09-2019 00:00:00	24-09-2019 00:00:00	1	0	1	1	No	---	---	No	No
3	National Conference on Innovation in Indian Education 2019	Innovation	Conference	Save Indian Education Through Innovation	Non-Govt. Agencies	28-12-2019 00:00:00	29-12-2019 00:00:00	2	0	30	30	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	Bachelor	Electronics and Telecommunication Engineering	20-01-2020	08-05-2020	110	Offline	16	80

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	TEDP Agritech and Agri Processing	Entrepreneurship/Startup	Employment Generation Training Programs	Forum for Innovation Incubation Research and Entrepreneurship	21-02-2020	21-03-2020	30	Offline	27	60

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. Shreyas Simu	Electronics and Telecommunication Engineering Department	Assistant Professor	No	No
2	Dr. Varsha Turkar	Electronics and Telecommunication Department	Professor	No	No

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 FIled!

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 Flled!

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	TurboCAM Research Lab	2018	Innovation Labs,Student Clubs	Turbocam India Pvt. Ltd.	Facility Incharge Name	Prof. Gaurish Samant	2	No	No	No
					Facility Incharge Email	gaurish.samant@dbcegoa.ac.in				
					Facility Incharge Phone	7411357170				
2	Advanced Welding Lab	2018	Innovation Labs,Student Clubs	Putzmeister Concrete Machines Pvt Ltd	Facility Incharge Name	Prof. Gaurish Samant	2	No	No	No
					Facility Incharge Email	gaurish.samant@dbcegoa.ac.in				
					Facility Incharge Phone	7411357170				
3	BMW Skill Next	2018	Student Clubs	BMW India	Facility Incharge Name	Prof. Gaurish Samant	2	No	No	No
					Facility Incharge Email	gaurish.samant@dbcegoa.ac.in				
					Facility Incharge Phone	7411357170				

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

4	PCB Lab	2019	Incubation Unit,Innovation Labs,Student Clubs		Facility Incharge Name	Flavia Leitao	6	No	No	Yes
					Facility Incharge Email	flavia.leitao@dbcegoa.ac.in				
					Facility Incharge Phone	9822986884				

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

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

No Data FIled!

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data FIled!

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

No Data FIled!

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. Shreyas Simu	Assistant Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Air Pollution Detection and Monitoring		Outside	
2	Dr. Varsha Turkar	Professor	Idea/Innovation Development	3
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Air Pollution Detection and Monitoring		Outside	

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	Ronald D'Souza	Entrepreneurship/Startup Development	Unstructured Mentorship
2	Mr. Kishore Shah, Director	Entrepreneurship/Startup Development	Unstructured Mentorship

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

3	Dr. Aisha Colaco	Idea/Innovation Development	Unstructured Mentorship
4	Mr. Austin Colaco	Idea/Innovation Development	Unstructured Mentorship

Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019
1	Design & Fabrication of Disabled Friendly Wheelchair	Product Innovation	Technological	DBCE	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 Adopted and Implemented at Ground	Agency Name: KALPAK 2020 / Agency Type: Govt. Agency (State) / Award / Position / Recognition Secured: CERTIFICATE RECEIVED	No	No	No	No

Name	Type	Gender	Email	Contact
Deepak Kolur	Student	Male	deepak.kolur123@gmail.com	9158585810

Name	Type	Gender	Email	Contact
Swapnil Ramani	Faculty	Male	swapnilramani@gmail.com	9823736052

#	Title	Innovation Type	Category	Developed at	Developed by	TRL (Current)	TRL (Achieved)	Status	Agency Details			
2	Manufacturing of construction material using industrial waste	Process Innovation	Technological	DBCE	Student-Faculty	TRL 2 : Technology formulation. Concept and application have been formulated.	TRL 2 : Technology formulation. Concept and application have been formulated.	Innovation Development Ongoing	Agency Name: MoE; Agency Type: Govt. Agency (Central); Award / Position / Recognition Secured: Shortlisted for second phase of IIC Contest	No	No	No	No

Name	Type	Gender	Email	Contact
SATYESH KAKODKAR	Faculty	Male	satyesh.kakodkar@dbcegoa.ac.in	9822384689

#	Title	Innovation Type	Category	Developed at	Developed by	TRL (Current)	TRL (Achieved)	Status	Agency Details			
3	Focusa: system built to improve communication in education sector	Product Innovation	Technological	Computer Engineering Department	Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	Agency Name: Growth and Development Platform; Agency Type: Govt. Agency (State); Award / Position / Recognition Secured: First Prize	No	No	No	No

Name	Type	Gender	Email	Contact
Yash Diniz	Student	Male	yashdiniz@gmail.com	7038788941

4	Sentiment Analysis of Online Articles	Service Innovation	Technological	DRDO	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	No		No	No
									Agency Name	Auropath Global Award					
									Agency Type	Not-Govt. Agencies					
									Award / Position / Recognition Secured	Excellence in Research					

Name		Type		Gender		Email	Contact
Dr. Gaurang Patkar		Faculty		Male		gaurang.patkar@dbcegoa.ac.in	950462643

5	Automated Grading of Oil Palm Fruits	Product Innovation	Technological	NIL	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 Completed			No	No		No	No
									Agency Name	Computer Society of India - Mumbai Chapter					
									Agency Type	Not-Govt. Agencies					
									Award / Position / Recognition Secured	Best Faculty - Funded Research					

Name		Type		Gender		Email	Contact
Dr. Gaurang Patkar		Faculty		Male		gaurang.patkar@dbcegoa.ac.in	9850462643

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

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registerd as		Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/ Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Internship Station	Product Innovation,Process Innovation	Technological	636	Student	Venture with Corporate Identification Number (CIN) Registration	AAQ-7861	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name		DIN number		Type		Gender		Email	Contact
Shubham Jha		08584410		Student		Male		internshipstation@gmail.com	7774909097

Srno	Name	Type	Nature	Unit	Founded	Registered		Year	Status	Recognition	Financial	Seed fund	Income	Employment
2	TLOR PRIVATE LIMITED	Process Innovation, Market-place Innovation	Technological	636	Alumni	Venture with Corporate Identification Number (CIN) Registration	U45201GA2020PTC014598	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name		DIN number		Type		Gender		Email	Contact
Fred Noronha		08986243		Alumni Entrepreneur		Male		frednoronha9977@gmail.com	9921929977

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data FIled!

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

No Data FIled!

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data FIled!