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

Institute Name: RCC Institute of Information Technology [ARI-C-6159]

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)
Electronics and Communication Engineering	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	472	21	9
Computer Science and Engineering	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	451	20	4
Information Technology	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	449	17	4
Electrical Engineering	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	217	9	5
Applied Electronics and Instrumentation Engineering	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	199	5	4
Master in Computer Application	Academic Department with lab facility	Academic and Research	UG / PG / PhD	Technical	120	5	2

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 : 2035
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

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?

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

1	Induction Program for B.Tech 1st year	Innovation	Motivational speak	Institute Lead Activity	Applied Science	07-08-2019 00:00:00	07-08-2019 00:00:00	1	Within Campus	430	40	0	2	472	No	No
2	Induction Program for B.Tech 1st year	Innovation	Workshop	Institute Lead Activity	Applied Science	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	430	40	0	1	471	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 4000	No
3	Induction Program for B.Tech 1st year	Innovation	Motivational speak	Institute Lead Activity	Applied Science	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	430	40	0	1	471	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 4000	No
4	Induction Program for B.Tech 1st year	Entrepreneurship/ Startup	Seminar	Institute Lead Activity	Applied Science	16-08-2019 00:00:00	16-08-2019 00:00:00	1	Within Campus	430	40	0	1	471	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 4000	No
5	3rd INTERNATIONAL SEMINAR ON INTELLIGENT COMPUTING	IPR	Seminar	Institute Lead Activity	DEPARTMENT OF ECE, RCCIIT	20-12-2019 00:00:00	20-12-2019 00:00:00	1	Within Campus	0	47	0	3	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 13649	No
6	IEEE CIS DISTINGUISHED LECTURE PROGRAM	IPR	Seminar	Institute Lead Activity	DEPARTMENT OF INFORMATION TECHNOLOGY	06-05-2019 00:00:00	06-05-2019 00:00:00	1	Within Campus	0	24	0	5	29	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 13219	No
7	First Doctoral Symposium on Intelligence Enabled Research (DoSIER - 2019)	IPR	Seminar	Institute Lead Activity	DEPARTMENT OF INFORMATION TECHNOLOGY	19-10-2019 00:00:00	20-10-2019 00:00:00	2	Within Campus	0	35	0	17	52	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 471000	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

Srno	Name of Program (Full	Program Theme	Program Type	Organizing Agency / Institute	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students	Participants (Faculty)	Total Number of	Awards/Recognitions/Achiev	Award / Position / Recogniti	Title of Innovation / Start-	Had institute spent expenses either from own resource/ received fund towards sending	Did any of the participants received any awards/recognition for startup / innovation ideas /

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

#	Name)			Name				)		Participants	ements	on Secured	up Secured the Award / Recognition	delegation to participate / represent the activity /event?	research
1	One Week SDP on Technical Writing with Latex	Innovation	Training	RCCIIT	Educational Institute	22-07-2019 00:00:00	26-07-2019 00:00:00	5	0	300	300	No	---	---	No	No
2	Bengalathon-2019	Innovation	Innovation Contest	Department of Information Technology and Electronics	Govt. Agency (State)	01-08-2019 00:00:00	30-11-2019 00:00:00	12	5	1	6	Yes	Secure Position to Final Round	Rapid Vehicle Accident Indetification and Notification System	No	
3	INNOVATIVE MODEL COMPETITION FOR A SUSTAINABLE SOCIETY	Innovation	Innovation Contest	FORUM OF SCIENTISTS, ENGINEERS and TECHNOLOGISTS (FOSET), West Bengal	Corporate / Industry Association	15-03-2020 00:00:00	15-03-2020 00:00:00	1	4	1	5	No	---	---	No	No
4	Finishing School Program on Machine Learning with Python	Innovation	Training	Globsyn Knowledge Foundation	Non-Govt. Agencies	08-04-2019 00:00:00	11-05-2019 00:00:00	34	29	0	29	No	---	---	No	No
5	One Week FDP on Modern Day Challenges for Effective Communication and Self Management in Teaching	Innovation	Training	Dept. of ESM, RCCIIT	Educational Institute	08-07-2019 00:00:00	12-07-2019 00:00:00	5	90	10	100	No	---	---	No	No

For row 2, research column detail:

Award / Position / Recognition Secured	Secure Position to Final Round
Title of Innovation / Start-up Secured the Award / Recognition	Rapid Vehicle Accident Indetification and Notification System
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

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

| 6 | One week FDP on Artificial Intelligence and Big Data Analysis | Innovation | Training | Dept. of IT, RCCIIT Technically sponsored by IEEE CIS Chapter, Kolkata | Educational Institute | 15-07-2019 00:00:00 | 19-07-2019 00:00:00 | 5 | 0 | 150 | 150 | 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	Research Methodology and IPR	IPR, Innovation	Elective/Core Credit Course	Master	ELECTRONICS AND COMMUNICATION ENGINEERING	01-08-2019	30-06-2020	335	Offline	3	30

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	Power Electronics in Electric Vehicle and Smart Grid	Entrepreneurship/Startup	FDP in I&E / IPR	RCCIIT Department of Electrical Engineering	22-07-2019	26-07-2019	5	Online	25	30

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. ARPITA GHOSH	ECE	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

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!

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 FIled!

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

No Data Flled!

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

No Data Flled!

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

No Data Flled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Flled!

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data Flled!

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Flled!

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

No Data Flled!

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

No Data Flled!

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	Geetanjali Solar Enterprise, Kolkata	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	45	04-02-2020
2	Landis+Gyrs Ltd, Kolkata	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	5	20-02-2020

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

No Data Flled!

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 MICROCONTROLLER BASED LOW COST ELECTRONIC LOCKING SYSTEM USING 2-WAY AUTHENTICATION	202041036194	National	2019 - 12	Uploaded
	2	Low Power and High Speed Floating Point Divider	201931039920	National	2019 - 12

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

No Data Flled!

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

No Data Flled!

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. Anirban Mukherjee (Head of Institute) and Dr. Abhishek Basu (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
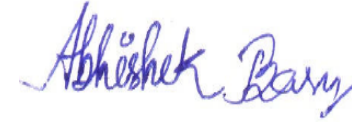
Thank you

The Head of Institute

Nodal officer

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Prof. Anirban Mukherjee
Head of the Institution,
Kolkata, West Bengal

Dr. Abhishek Basu
Nodal Officer,
Kolkata, West Bengal