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

Institute Name: Aliah University, Kolkata [ARI-U-0567]

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 Department	Academic Department with lab facility	Electronics ,Signal processing, Communication, IT/IoT	UG / PG / PhD	Technical	220	10	3
Computer Science and Engineering Department	Academic Department with lab facility	Machine learning, AI, IT, Software, computing	UG / PG / PhD	Technical	350	18	4
Mechanical Engineering	Academic Department with lab facility	Robotics, CNC, Automotive	UG / PG / PhD	Technical	250	9	2
Electrical Engineering Department	Academic Department with lab facility	Electric vehicle, renewable energy,	UG / PG / PhD	Technical	260	7	3
Civil Engineering	Academic Department with lab facility	smart building, structures	At all level	Technical	263	10	2
Biological sciences	Academic Department with lab facility	Biotech, genetics, bioinformtics	UG / PG / PhD	Technical	240	8	2
Management and Business Administration	Academic Department with lab facility	Entrepreneurship	UG / PG / PhD	Non-Technical	1189	16	3
Chesmistry	Academic Department with lab facility	Advanced material, drug discovery	UG / PG / PhD	Technical	198	8	2
Innovation Centre	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Technology development	At all level	Both	0	0	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 : IC202015446
Trained Innovation Ambassadors at HEI	No	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

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	Workshop: Entrepreneurship as an Alternate Career Mode in collaboration with Dept. of Business Management, University of Calcutta Supported by UKIERI Project	IPR	Conference	Institute Lead Activity	MBA	21-01-2020 00:00:00	21-01-2020 00:00:00	1	Within Campus	0	60	0	40	100	No	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 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	IIDC 2019	Innovation	Hackathon	DST Texas Instruments	Govt. Agency (Central)	01-08-2019 00:00:00	30-11-2019 00:00:00	12	4	1	5	No	---	---	No	No
2	Villgro iPitch	Entrepreneurship/Startup	Innovation Contest	Villgro	International Agencies	01-08-2019 00:00:00	31-08-2019 00:00:00	31	0	1	1	No	---	---	No	No
3	Smart India Hackathon	Innovation	Hackathon	AICTE	Govt. Agency (Central)	01-03-2020 00:00:00	30-03-2020 00:00:00	30	5	2	7	No	---	---	No	No
4	Tech Expo 2020	Entrepreneurship/Startup	Innovation Contest	MSME-Technology Centre	Govt. Agency (Central)	24-02-2020 00:00:00	25-02-2020 00:00:00	2	2	0	2	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	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Master	Management and Bussiness Administartion	04-07-2019	10-12-2020	526	Online	120	60

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	FDP on Research Methodology	Innovation	EDP in I&E / IPR	MBA	13-01-2020	22-01-2020	10	Offline	40	50
2	Skill Development Programme	Entrepreneurship/Startup	Employment Generation Training Programs	Training and Placement Cell	02-04-2019	30-06-2019	90	Offline	100	72
3	Elementary English for Adult Learners	Entrepreneurship/Startup	Employment Generation Training Programs	Training and Placement	15-01-2020	10-03-2020	56	Offline	75	32

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	Samiran Sur	MBA	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
Enterprise Development	Entrepreneurship/Startup	FDP in I&E, IPR	Entrepreneurship Development Board	Govt. Agency (Central)	04-02-2019 00:00:00	15-02-2019 00:00:00	12	Offline

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	Aliah University Science and Technology Club	Innovation Club	2019	Work Stations	Incubation Unit,Innovation Labs	2	Sk Ibrar Ahmed	skibrara@gmail.com	8101629667

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 Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the	Name of the Funding Schemes Available	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovati	Had institute Generated Income either from Services Offered by Pre-	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?

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)

					HEI	with Pre-Incubation Unit, if any (Optional)			on Development and implementation during the Financial Year 2019-20	Incubation Centre/Facilities?	
1	University Innovation Centre	Innovation Centre	2020	Co-working Space,Work Stations	Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Facility Incharge Name: Dr.Samiran Sur Facility Incharge Email: samiran_sur @rediffmail.com Facility Incharge Phone: 9002519224	23	No	No	Yes

	Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
	Institute's Own Fund / Resource	MAME, Govt. of West Bengal	Govt. Agency (State)	0

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	Prof. P.K.Dan, IIT Kharagpur	Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship
2	Dr. Nabarun Bhattacharyya, CDAC, Kolkata	Entrepreneurship/Startup Development	Unstructured Mentorship
3	Dr.Tapas Chakravarty, TCS, Kolkata	IPR Protection & Commercialization	Unstructured Mentorship

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

4	Mr. Shankar Mukhopadhay, WBSEDCL	Entrepreneurship/Startup Development	Unstructured Mentorship
5	Manindra ath Maity, EDI	IPR Protection & Commercialization	Unstructured Mentorship
6	Dr. Muktisadhan Basu, ICAR	Entrepreneurship/Startup Development	Unstructured Mentorship

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 FIled!

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

No Data FIled!

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	Global Bussiness Inroads (GBI)	International Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Networking	4	12-11-2020

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

No Data FIled!

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data FIled!

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

Srno	Title/Name of IP	Type of IP	IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot
1	WIDEBAND PHASED ARRAY SYSTEM WITH PROGRAMMABLE NULL POSITIONING CAPABILITY	PatentsHoldByInnovations	262/MUM/2009	Granted	Uploaded

Applicant Name	Applicant Type	Start-up/Innovator Name
TCS	Incubatee Innovator	Quazi Mohmmad Alfred

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

No Data FIled!

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. Mahammad Ali (Head of Institute) and Dr. Arup Baksi (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

31/03/2021

Nodal officer

Arup Kumar Baksi
30/03/2021

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Prof. Mahammad Ali
Head of the Institution,
Kolkata, West Bengal

Dr. Arup Baksi
Nodal Officer,
Kolkata, West Bengal

Responsibility for accuracy and authenticity of data lies with the concerned institution.