ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

Certificate of Recognition

This is to certify that

**GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY,
KOTWALI, MALDA**

is recognised in the band "PROMISING" under the category

"Institute of National Importance & Central Universities/CFTs (Technical)"

in Atal Ranking of Institutions on Innovation Achievement(ARIIA) 2021,

a flagship program of the Ministry of Education, Government of India.

29th December 2021.

Dr. Anil D Sahasrabudhe
Chairman, AICTE

Shri K Sanjay Murthy
Secretary (HE), MoE

Dr. Abhay Jere
Chief Innovation Officer
MoE's Innovation Cell

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

Institute Name: GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY, KOTWALI, MALDA [ARI-S-14559]

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)
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Civil Engineering	Diploma / Polytechnic	Technical	60	4	1
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Computer Science & Engineering	Diploma / Polytechnic	Technical	60	7	1
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Electrical Engineering	Diploma / Polytechnic	Technical	30	9	2
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Food Processing Technology	Diploma / Polytechnic	Technical	30	7	3
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Mechanical Engineering	Diploma / Polytechnic	Technical	30	9	3
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	60	9	2
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Food Processing Technology	UG / PG / PhD	Technical	60	7	3
Ghani Khan Choudhury Institute of Engineering and Technology	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	60	9	3

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	No	Not Required
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	Yes	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	Program Theme	Program Type	Program Category	Organizing	Program Start	Program End Date	Program Duration(i	Program Location	Internal Participa	Internal Participa	External Participa	External Participa	Total Number	Had institute spent expenses either from own	Did any of the participants received any awards/recognition

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

	(Full Name)			Department / Centre / Student Body Name	Date		n Days)		nts (Student)	nts (Faculty)	nts (Student)	nts (Faculty)	of Participants	resource/received fund to organise the program/activity/event?	for startup / innovation ideas / research?
1	LAUNCHING_OF_INDUSTRY 4.0, GROWTH, NETWORKING, INNOVATION_TECHNOLOGY & ENTREPRENEURSHIP (IGNITE) CENTRE OF EXCELLENCE AT GHANI KHAN CHOUDHURY INSTITUTE OF ENGINEERING & TECHNOLOGY (GKCIET), MALDA	Innovation	Demo Day	Institute Lead Activity	Ghani Khan Choudhury Institute of Engineering and Technology (GKCIET), Malda	21-11-2019 00:00:00	21-11-2019 00:00:00	1	Within Campus	250	35	0	0	285	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

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

1	Smart India Hackathon 2020	Innovation	Hackathon	MHRD Innovation Cell and DST	Govt. Agency (Central)	10-01-2020 00:00:00	10-02-2020 00:00:00	32	6	1	7	Yes	Single Winner - Renewable Energy Category - Hardware Edition	Remote Monitoring, Diagnosis, and maintenance of microgrid using Arduino based controller	No		
																Award / Position / Recognition Secured	Single Winner - Renewable Energy Category - Hardware Edition
																Title of Innovation / Start-up Secured the Award / Recognition	Remote Monitoring, Diagnosis, and maintenance of microgrid using Arduino based controller
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
2	AICTE Chhatra Vishwakarma Award 2019	Innovation	Innovation Contest	AICTE - Eastern Region	Govt. Agency (Central)	26-12-2019 00:00:00	26-12-2019 00:00:00	1	4	1	5	Yes	Regional level participation - Renewable energy - Hardware	Smart Village - using Arduino based hybrid - renewable energy generation	No		
																Award / Position / Recognition Secured	Regional level participation - Renewable energy - Hardware
																Title of Innovation / Start-up Secured the Award / Recognition	Smart Village - using Arduino based hybrid - renewable energy generation
																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

3	Smart India Hackathon 2020	Innovation	Hackathon	MHRD Innovation Cell and DST	Govt. Agency (Central)	10-01-2020 00:00:00	10-02-2020 00:00:00	32	5	1	6	Yes	Regional level participation	Introduction of e-Sleeping Pills and Power Naps using VR based YOGA Platform- An Innovative Approach	No	Award / Position / Recognition Secured — Regional level participation; Title of Innovation / Start-up Secured the Award / Recognition — Introduction of e-Sleeping Pills and Power Naps using VR based YOGA Platform- An Innovative Approach; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
4	Smart India Hackathon 2020	Innovation	Hackathon	MHRD Innovation Cell and DST	Govt. Agency (Central)	10-01-2020 00:00:00	10-02-2020 00:00:00	32	5	1	6	Yes	Regional level participation	Food adulteration	No	Award / Position / Recognition Secured — Regional level participation; Title of Innovation / Start-up Secured the Award / Recognition — Food adulteration; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
5	Smart India Hackathon 2020	Innovation	Hackathon	MHRD Innovation Cell and DST	Govt. Agency (Central)	10-01-2020 00:00:00	10-02-2020 00:00:00	32	5	1	6	Yes	Regional participation	Development of IoT based life cycle monitoring and sharing mechanism based e-kishan sathi web application	No	Award / Position / Recognition Secured — Regional participation; Title of Innovation / Start-up Secured the Award / Recognition — Development of IoT based life cycle monitoring and sharing mechanism based e-kishan sathi web application; 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	Smart India Hackathon 2020	Innovation	Hackathon	MHRD Innovation Cell and DST	Govt. Agency (Central)	10-01-2020 00:00:00	10-02-2020 00:00:00	32	5	1	6	Yes	regional level participation	Clean Water	No	
																Award / Position / Recognition Secured — regional level participation; Title of Innovation / Start-up Secured the Award / Recognition — Clean Water; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
7	AICTE Chhatra Vishwakarma Award 2019	Innovation	Innovation Contest	AICTE	Govt. Agency (Central)	24-02-2020 00:00:00	24-02-2020 00:00:00	1	4	1	5	Yes	National level participation	Development of an advanced mango picking stick	No	
																Award / Position / Recognition Secured — National level participation; Title of Innovation / Start-up Secured the Award / Recognition — Development of an advanced mango picking stick; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype
8	AICTE Chhatra Vishwakarma Award 2019	Innovation	Innovation Contest	AICTE - Eastern Region	Govt. Agency (Central)	26-12-2019 00:00:00	26-12-2019 00:00:00	1	4	1	5	Yes	Regional level participation	Water parameter monitoring and control for biofloc fish farming	No	
																Award / Position / Recognition Secured — Regional level participation; Title of Innovation / Start-up Secured the Award / Recognition — Water parameter monitoring and control for biofloc fish farming; Award/Recognition/Achievement Received for — Idea/Innovation/Prototype

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	Online short term course on Innovation Start-up and Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Short term Course	Short Term Certificate Course	Innovation Incubation and Entrepreneurship Cell	07-12-2020	11-12-2020	5	Online	219	30

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data FIled!

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 FIled!

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	Robotics Club	Idea Club	2020	Co-working Space,3D Printing	Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre	1	M Jahir Anwar Molla	jahiranwar4@gmail.com	6295172561
2	IGNITE Lab	Innovation Club	2019	Co-working Space	Innovation Park/Research Park	1	Sukosum Sardar	sukosumsardar123@gmail.com	7980049179
3	Space Club	Idea Club	2020	None	No Such Facilities Exist in the Campus	0	Samisksha Mahato	samikshamahato80@gmail.com	8929385201

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 HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	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/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
1	Tinkering Lab Electrical Engineering	Tinkering Lab	2019	Co-working Space,Work Stations	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name: Tapash Kr. Das / Facility Incharge Email: tapash@gkciet.ac.in / Facility Incharge Phone: 9474162877	9	Yes	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	GKCIET Malda	Educational Institute	0

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)

2	Tinkering Lab Food Processing Technology	Tinkering Lab	2020	Co-working Space,Work Stations	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name: Dr Kshirod Kumar Dash / Facility Incharge Email: kshirod@gkciet.ac.in / Facility Incharge Phone: 7679367970	7	Yes	No	No
3	Tinkering Lab Civil Engineering	Tinkering Lab	2020	Co-working Space	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name: Dr. Koushik Paul / Facility Incharge Email: koushik@gkciet.ac.in / Facility Incharge Phone: 7866931508	4	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	GKCIET, Malda	Educational Institute	0

4	Tinkering Lab Mechanical Engineering	Tinkering Lab	2019	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Facility Incharge Name: Dr. Habib Masum / Facility Incharge Email: kingmasum@gmail.com / Facility Incharge Phone: 8910831384	9	Yes	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	GKCIET, Malda	Educational Institute	0

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)

5	Tinkering Lab Computer Science & Engineering	Tinkering Lab	2019	Co-working Space,Work Stations	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name	Tryambak Kumar Ojha	7	Yes	No	Yes
							Facility Incharge Email	tryambak@gkciet.ac.in				
							Facility Incharge Phone	9674211012				

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		GKCIET, Malda	Educational Institute	0

6	Innovation Incubation and Entrepreneurship Cell	Innovation Centre	2020	Co-working Space,Work Stations	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name	Dr Kshirod Kumar Dash	6	Yes	No	No
							Facility Incharge Email	kshirod@gkciet.ac.in				
							Facility Incharge Phone	7679367970				

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

No Data FIled!

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

No Data FIled!

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

No Data FIled!

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

No Data FIled!

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

No Data FIled!

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

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	Antioxidant Rich Mango Leather	Product Innovation	Technological		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	No	No	No	No	No

Name	Type	Gender	Email	Contact
Kshirod Kumar Dash	Faculty	Male	kshirod@gkciet.ac.in	7679367970

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	Energy Effiency Survices Limited	Govt. Agency (Central)	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation,Networking	0	21-10-2020
2	Salt Lake Institute of Engineering and Technology	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Networking	1	07-12-2020
3	S K Deep Tech Pvt Ltd	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	0	20-10-2020

| 4 | Webflex Consultancy Service Private Limited | Non-Govt. Agencies | Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities | Networking | 0 | 03-08-2020 |

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

No Data FIled!

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

No Data FIled!

Declaration

To,
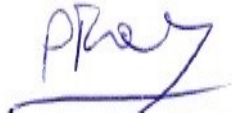The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. Parameswara Rao Alapati (Head of Institute) and Mr. Kshirod Kumar Dash (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
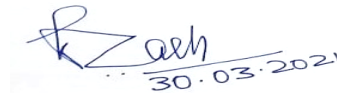
Thank you

The Head of Institute

Nodal officer

30.03.2021

Prof. Parameswara Rao Alapati
Head of the Institution,
MALDA, West Bengal

Mr. Kshirod Kumar Dash
Nodal Officer,
MALDA, West Bengal