



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Asansol Engineering College [ARI-C-6333]

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

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)
Entrepreneurship Development Cell	Industry Institute Interface Unit	Multidisciplinary	Not Allowed	Not Allowed	452	10	2
Robotics Society	Centre of Excellence with Advance Tools & Equipment	multidisciplinary	Not Allowed	Not Allowed	204	2	2
Hardware Club	Centre of Excellence with Advance Tools & Equipment	multidisciplinary	Not Allowed	Not Allowed	542	2	2
Students Innovation Centre (SIC)	Pre-incubation unit	multidisciplinary	Not Allowed	Not Allowed	239	2	2
Institution of Engineers (IEI) Students Chapter	Centre of Excellence with Advance Tools & Equipment	multidisciplinary	Not Allowed	Not Allowed	684	16	4

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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	No	Not Required
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	Yes	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?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

1	EVOLVE 2020 - Robotics Championship Workshop	Innovation	Workshop	Student Lead Activity	Robotics Society - Asansol Engineering College	22-02-2020 00:00:00	24-02-2020 00:00:00	3	Within Campus	197	4	10	0	211	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	15000	Award / Position / Recognition Secured	Best Engineering College Technical Fest
																	Title of Innovation / Start-up Secured the Award / Recognition	Technocian
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
2	Wall Magazine - WITTY WALL publication (Technical + Cultural)	Innovation	Exhibition	Student Lead Activity	ISERA(Indian Society of Engineers for Robotics and Automation)	08-11-2019 00:00:00	09-11-2019 00:00:00	2	Within Campus	312	4	14	2	332	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	Wall Magazine - WITTY WALL publication
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
3	EVOLVE 2019 - Senior and Junior Robo Championship	Innovation	Innovation Contest	Student Lead Activity	ISERA(Indian Society of Engineers for Robotics and Automation)	10-11-2019 00:00:00	10-11-2019 00:00:00	1	Within Campus	312	4	14	2	332	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10000	Award / Position / Recognition Secured	Position
																	Title of Innovation / Start-up Secured the Award / Recognition	EVOLVE 2019
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

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

4	Wall Magazine - WITTY WALL publication (Technical + Cultural)	Innovation	Exhibition	Institute Lead Activity	Robotics Society of AEC	05-09-2019 00:00:00	05-09-2019 00:00:00	1	Within Campus	134	2	0	0	136	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	Award / Position / Recognition Secured	Position	
																	Title of Innovation / Start-up Secured the Award / Recognition	Wall Magazine - WITTY WALL publication	
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
5	Quiz Contest on "Modern Technology"	Innovation	Innovation Contest	Student Lead Activity	Technical Expert from ISERA	05-05-2019 00:00:00	05-05-2019 00:00:00	1	Within Campus	315	4	0	0	319	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	Award / Position / Recognition Secured	Position	
																	Title of Innovation / Start-up Secured the Award / Recognition	Modern Technology	
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
6	Seminar on "Recent Technology in the field of Automation"	Entrepreneurship/Start-up	Seminar	Student Lead Activity	Robotics Society of AEC	16-04-2019 00:00:00	16-04-2019 00:00:00	1	Within Campus	98	2	0	0	100	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5000	Award / Position / Recognition Secured	Position	
																	Title of Innovation / Start-up Secured the Award / Recognition	Recent Technology in the field of Automation	
																	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	

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

11	ROBOTICS PROCES AUTOMATION	Innovation	Workshop	Student Lead Activity	The Institution of Engineers (India) Students Chapter, ECE department	17-10-2019 00:00:00	17-10-2019 00:00:00	1	Within Campus	93	4	0	0	97	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	2000	No
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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	TCS EnginX 2019	Innovation	Innovation Contest	TCS	Non-Govt. Agencies	06-09-2019 00:00:00	06-09-2019 00:00:00	1	17	0	17	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	5000	No
2	Science and Cultural Exhibition	Innovation	Innovation Contest	PASCHIM BANGA VIGYAN MANCHA	Non-Govt. Agencies	10-01-2020 00:00:00	12-01-2020 00:00:00	3	25	0	25	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	2000	No
3	Kolkata International Book Fair 2020	Innovation	Innovation Contest	Kolkata International Book Fair	Non-Govt. Agencies	03-02-2020 00:00:00	03-02-2020 00:00:00	1	10	2	12	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	5000	No
4	science exhibition	Innovation	Innovation Contest	DAV School	Educational Institute	06-02-2020 00:00:00	07-02-2020 00:00:00	2	50	2	52	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	2000	No

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

No Data Filled!

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	Repair - Welder	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering	01-01-2019	31-05-2019	151	Offline	25	400
2	Draughtsman - Mechanical	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering	01-01-2019	31-05-2019	151	Offline	25	300
3	Field Technician Computing Peripherals	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics and Communication Engineering	01-01-2019	31-05-2019	151	Offline	25	300
4	Field Technician Networking Storage	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics and Communication Engineering	01-01-2019	31-05-2019	151	Offline	25	360
5	CCTV Installation Technician	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics and Communication Engineering	01-01-2019	31-05-2019	151	Offline	25	360
6	Assistant Surveyor	Entrepreneurship/Startup	Employment Generation Training Programs	Civil Engineering	01-01-2019	31-05-2019	151	Offline	25	350
7	Construction Laboratory Field Technician	Entrepreneurship/Startup	Employment Generation Training Programs	Civil Engineering	01-01-2019	31-05-2019	151	Offline	25	400
8	Lathe Operator	Entrepreneurship/Startup	Employment Generation Training Programs	Mechanical Engineering	01-01-2019	31-05-2019	151	Offline	25	400
9	Domestic Data entry Operator	Entrepreneurship/Startup	Employment Generation Training Programs	Information Technology	01-01-2019	31-05-2019	151	Offline	25	400
10	Junior Software Developer	Entrepreneurship/Startup	Employment Generation Training Programs	Information Technology	01-01-2019	31-05-2019	151	Offline	25	400
11	Domestic IT Helpdesk Attendant	Entrepreneurship/Startup	Employment Generation Training Programs	Information Technology	01-01-2019	31-05-2019	151	Offline	25	400
12	Finishing School Program for Odd Semester	Entrepreneurship/Startup	Employment Generation Training Programs	Asansol Engineering College	15-07-2019	03-08-2019	20	Offline	1825	100
13	Finishing School Program for Even Semester	Entrepreneurship/Startup	Employment Generation Training Programs	Asansol Engineering College	06-01-2020	25-01-2020	20	Offline	2590	100

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	Robin Kumar Agarwal	Basic Science Humanities	Assistant Professor	No	No
2	Dr. Debashis Sarkar	MECHANICAL ENGINEERING	Associate Profesor	No	No
3	Dr. Arunava De	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Professor	No	No

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 Society	Innovation Club	2015	None	Innovation Labs	8	Danish Tabraz and Arpit Baranwal	danishtabrez.4@gmail.com	8101957956
2	Hardware Club	Innovation Club	2019	None	Innovation Labs	2	Divya Suman	divyasuman@gmail.com	8825251582
3	ED Cel	Startup Club	2015	None	Innovation Labs	1	Amit Kumar Gupta	guptaamit@gmail.com	9801916625
4	The Institution of Engineers (India) Students Chapter ECE department	Idea Club	2011	Co-working Space	Innovation Labs	2	Sourik Prakash Kabi	sourikkabi48@gmail.com	7031355074
5	Students Innovaton Centre	Innovation Club	2015	Co-working Space	Innovation Labs	4	Shaista Shams	shaistashams1994@gmail.com	7586094150

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	Robotics Society	Innovation Centre	2015	Co-working Space	Innovation Labs	Innovation Labs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Sumanta Karma kar and Srijan Paul</td> </tr> <tr> <td>Facility Incharge Email</td> <td>sumantakarmakar799@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>7908795060</td> </tr> </table>	Facility Incharge Name	Sumanta Karma kar and Srijan Paul	Facility Incharge Email	sumantakarmakar799@gmail.com	Facility Incharge Phone	7908795060	2	No	No	Yes
Facility Incharge Name	Sumanta Karma kar and Srijan Paul																
Facility Incharge Email	sumantakarmakar799@gmail.com																
Facility Incharge Phone	7908795060																
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						Asansol Engineering College			Educational Institute		25000						

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	Students Innovation Centre	Innovation Centre	2015	Co-working Space	Innovation Labs	Innovation Labs	Facility Incharge Name	Shiv Charan Puri	3	No	No	Yes
							Facility Incharge Email	shiv123charan@rediffmail.com				
							Facility Incharge Phone	8250351418				
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					Asansol Engineering College				Educational Institute		30000	
3	ED Cell	Innovation Centre	2006	Work Stations	Student Clubs	Student Clubs	Facility Incharge Name	Mr. SOUMEN SEN	3	No	No	Yes
							Facility Incharge Email	soumen.sen@aecwb.edu.in				
							Facility Incharge Phone	9378372492				
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					Asansol Engineering College				Educational Institute		20000	

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

1	Robotics Society	2015	Innovation Labs		Facility Incharge Name	Suman ta Kar ma kar and Sri jan Paul	2	No	No	Yes
					Facility Incharge Email	suman takarm akar79 9@gm ail.com				
					Facility Incharge Phone	79087 95060				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
2	Students Innovation Centre	2015	Innovation Labs		Facility Incharge Name	Shiv Chara n Puri	3	No	No	Yes
					Facility Incharge Email	shiv12 3chara n@red iffmail. com				
					Facility Incharge Phone	82503 51418				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				
3	ED Cell	2006	Innovation Labs		Facility Incharge Name	Mr. SOU M EN SEN	3	No	No	Yes
					Facility Incharge Email	soume nsen.e ce@ae cwb.ed u.in				
					Facility Incharge Phone	93783 72492				
Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)				

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

No Data Filled!

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

No Data Filled!

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

No Data Filled!

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. Debashis Sarkar	Associate Profesor	Idea/Innovation Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Robotics Society		Within	
2	Dr. Arunava De	Professor	Idea/Innovation Development	2
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Students Innovation Centre		Within	
3	Robin Kumar Agarwal	Assistant Professor	Entrepreneurship/Startup Development	5
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	ED Cell		Within	

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	Dr. Pranab Kumar Banerjee	Idea/Innovation Development	Unstructured Mentorship
2	Dr. Subhash Chandra Panja	Idea/Innovation 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

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	Automatic Parking System	Process Innovation	Technological	Innovation Centre	Student	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	TRL 3 : Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	5000	No	No																				
<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Shiv Charan Puri</td> <td>Faculty</td> <td>Male</td> <td>shiv123charan@rediffmail.com</td> <td>8250351418</td> </tr> </tbody> </table>														Name	Type	Gender	Email	Contact	Shiv Charan Puri	Faculty	Male	shiv123charan@rediffmail.com	8250351418										
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Shaista Shams	Student	Female	shaistashams1994@gmail.com	7586094150																													
Saquiab Jallal	Student	Male	sjallal88@gmail.com	8967068772																													

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

No Data Filled!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filled!

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

No Data Filled!

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 HYBRID ODIA SYSTEM FOR SEARCH ENGINES	201931052949	National	2020 - 01	Uploaded

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

No Data Filled!

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

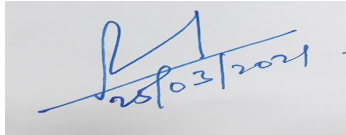
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. PARTHA PRATIM BHATTACHARYA (Head of Institute) and Dr. GOURISANKAR PANDA (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

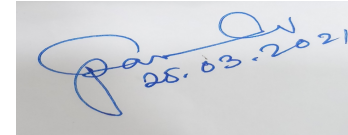
Thank you

The Head of Institute



Dr. PARTHA PRATIM BHATTACHARYA
Head of the Institution,
Asansol, West Bengal

Nodal officer



Dr. GOURISANKAR PANDA
Nodal Officer,
Asansol, West Bengal