



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MHRD**  
Ministry of Human  
Resource Development  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2019-20

Institute Name: JIS COLLEGE OF ENGINEERING [ARI-C-6260]

#### Pre-Qualifier (Basic Data Requirement For Financial Year (2018-19))

Name of the Institute/ University/ Group of Institutions and any Autonomous Body ( Incubation Unit/Research Park etc.) located within same campus	Total Annual Expenditure of Institute/ University/ Group of Institutions/ any Autonomous Body ( Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Total Annual Income of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Balance Sheet, Income & Expenditure (or) Payment & Receipt Account for FY 2018-19 (Only PDF)
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Total (Rupees in Figure)	0.00	0.00	

**Institute Type : Colleges/Institutes (Private / Self Financed)**

**Total Student Base ( Enrolled Full Time) for all the Academic Programs Offered by Institute/University (Academic Year 2018-19) := 2663**

**Total Faculty Base ( Full Time) Engaged in Teaching and Research at Institute/University (Academic Year 2018-19) := 161**

#### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

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?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
MHRD Project Idea Competition	Innovation	Skill Development	Student Lead Activity	IT	28-01-2019 00:00:00	29-01-2019 00:00:00	2	Within Campus	70	60	8	2	140	Yes	12250
Workshop on IPR for Students and Faculty Members	IPR	Workshop	Institute Lead Activity	Student Body in Full	10-01-2019 00:00:00	10-01-2019 00:00:00	1	Within Campus	200	12	0	0	212	Yes	9570
Role of Engineers in sustainable development	IPR	Seminar	Institute Lead Activity	ISTE	14-09-2018 00:00:00	14-09-2018 00:00:00	1	Within Campus	170	5	0	0	175	Yes	6500
Advanced Modeling and Simulation using SOLIDWORKS and ANSYS	Innovation	Skill Development	Institute Lead Activity	ME	06-10-2018 00:00:00	06-10-2018 00:00:00	1	Within Campus	50	10	0	0	60	Yes	5000

### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

Micro Controller based embedded system with Arduino	Innovation	Skill Development	Student Lead Activity	ECE	02-11-2018 00:00:00	02-11-2018 00:00:00	1	Within Campus	30	15	3	0	48	Yes	5560
Entrepreneurship Awareness Camp (EAC)	Entrepreneurship/Startup	Awareness	Student Lead Activity	IIC	15-11-2018 00:00:00	17-11-2018 00:00:00	3	Within Campus	50	10	0	0	60	Yes	8450
FDP on FLIP LEARNING	Innovation	Awareness	Institute Lead Activity	Institute	02-01-2019 00:00:00	02-01-2019 00:00:00	1	Within Campus	0	90	0	0	90	Yes	10140
Workshop on IPR	IPR	Workshop	Student Lead Activity	IIC	10-01-2019 00:00:00	10-01-2019 00:00:00	1	Within Campus	50	15	5	0	70	Yes	5600
Innovation idea competition	Entrepreneurship/Startup	Awareness	Student Lead Activity	IIC	28-01-2019 00:00:00	29-01-2019 00:00:00	2	Within Campus	50	5	15	0	70	Yes	4350
Robotics Competition	Innovation	Skill Development	Student Lead Activity	ECE	08-03-2019 00:00:00	09-03-2019 00:00:00	2	Within Campus	40	5	35	0	80	Yes	6200
B. Plan and Startup Proposal Competition	Entrepreneurship/Startup	Skill Development	Student Lead Activity	MBA	08-03-2019 00:00:00	08-03-2019 00:00:00	1	Within Campus	30	4	0	0	34	Yes	5300
AICTE Webinar on IIC	Entrepreneurship/Startup	Workshop	Student Lead Activity	IIC	22-04-2019 00:00:00	22-04-2019 00:00:00	1	Within Campus	55	10	0	0	65	Yes	3200
Workshop on CANVAS	Innovation	Workshop	Institute Lead Activity	Institute	17-06-2019 00:00:00	17-06-2019 00:00:00	1	Within Campus	0	100	0	0	100	Yes	9150
FDP on FLIPPED LEARNING	Innovation	Seminar	Institute Lead Activity	Institute	21-06-2019 00:00:00	25-06-2019 00:00:00	5	Within Campus	0	110	0	0	110	Yes	9340
International Conference on Digital Pedagogy	Innovation	International Conference	Institute Lead Activity	JIS College of Engineering	01-04-2019 00:00:00	02-04-2019 00:00:00	2	Outside Campus	10	15	0	305	330	Yes	1100000
Workshop on AI VR	Innovation	Digital Pedagogy	Institute Lead Activity	JIS College of Engineering	03-04-2019 00:00:00	03-04-2019 00:00:00	1	Outside Campus	10	15	0	305	330	Yes	200000

### Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

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 program/activity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
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**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

MOVE A Global Mobility Summit	Innovation	Seminar	NITI Aayog	Govt. Agency (Central)	07-09-2018 00:00:00	08-09-2018 00:00:00	2	0	5	5	No	---	---	Yes	12300
Innovation the new knowledge mantra	Innovation	Workshop	Narula Institute of Technology	Educational Institute	18-09-2018 00:00:00	20-09-2018 00:00:00	3	0	2	2	No	---	---	Yes	3000
E-Summit 2018	Entrepreneurship/Startup	Seminar	IIM Calcutta	Educational Institute	18-11-2018 00:00:00	18-11-2018 00:00:00	1	3	0	3	No	---	---	Yes	3000
Entrepreneurial Session for budding Entrepreneurs	Entrepreneurship/Startup	Seminar	Narula Institute of Technology	Educational Institute	07-02-2019 00:00:00	07-02-2019 00:00:00	1	5	0	5	No	---	---	Yes	2500
Technical Paper Contest	Innovation	B Plan Competition	Narula Institute of Technology	Educational Institute	03-05-2019 00:00:00	03-05-2019 00:00:00	1	3	0	3	No	---	---	Yes	3000
BRICS-Youth Energy Summit	Innovation	Conference	BRICS	International Agencies	02-10-2018 00:00:00	06-10-2018 00:00:00	5	0	1	1	No	---	---	Yes	130000
WOSA	Innovation	Conference	AICTE NBA	Govt. Agency (Central)	07-11-2018 00:00:00	09-11-2018 00:00:00	3	0	5	5	No	---	---	Yes	80000
International Conference on Digital Pedagogy	Innovation	Conference	JISCE, NPIU, MHRD, UNESCO, AICTE	Educational Institute	01-04-2019 00:00:00	02-04-2019 00:00:00	2	10	15	25	Yes	JIS College of Engineering has been declared as Indias First Fully Flipped Institute	Flipped learning	Yes	585000
Workshop on AI and VR	Innovation	Workshop	JIS College of Engineering	Educational Institute	03-04-2019 00:00:00	03-04-2019 00:00:00	1	10	15	25	No	---	---	Yes	380000

**Courses on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19**

Title of Course/Subject Offered	Program Theme	Type of Course	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Enrolment Number	Total Number of Students Completed	Total Numbers of Contact Hours of Course
Outcome Based Education	Innovation	FDP	Master	09-07-2018 00:00:00	18-07-2018 00:00:00	10	Offline	60	2	50
Objective Oriented Programming using C	Innovation	Short term Certificate	Bachelor	23-07-2018 00:00:00	27-07-2018 00:00:00	5	Offline	75	70	40
CBC of Implementation of DSP Processor TMS3206748	Innovation	Short term Certificate	Bachelor	05-01-2019 00:00:00	16-01-2019 00:00:00	12	Offline	30	30	60
CBC on Industrial application of Medical Image Processing	Innovation	Short term Certificate	Bachelor	05-01-2019 00:00:00	16-01-2019 00:00:00	12	Offline	25	25	60

CBC of Recent trends in VHDL programming and its industrial application to FPGA Kits	Innovation	Short term Certificate	Bachelor	05-01-2019 00:00:00	16-01-2019 00:00:00	12	Offline	30	30	60
CBC of Advanced programming in Core Python	Innovation	Short term Certificate	Bachelor	05-01-2019 00:00:00	16-01-2019 00:00:00	12	Offline	20	20	60
CBC of Industrial applications using AVR Microcontroller	Innovation	Short term Certificate	Bachelor	05-01-2019 00:00:00	16-01-2019 00:00:00	12	Offline	25	25	60
Entrepreneurship Awareness Camp ( EAC)	Entrepreneurship/Startup	EDP	Bachelor	15-01-2019 00:00:00	17-01-2019 00:00:00	3	Offline	60	45	30
FDP ON FLIPPED LEARNING	Innovation	FDP	Bachelor	21-06-2019 00:00:00	25-06-2019 00:00:00	5	Offline	100	2	40

### Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge		Carpet Area of Facility	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation & Incubation Centre/Facilities?		Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?	
							Yes	No		
JIS Innovation and Incubation Center (JIS-IIC)	Incubation Unit	2018	Block A; Phase - III , Kalyani, West Bengal; Pin - 741235	Facility Incharge Name	Dr. Biswarup Neogi	750 Sq. Ft.	Yes		No	
				Facility Incharge Email	biswarup.neogi@jiscollege.ac.in		Annual Capital Expenditure (In Rupees)	150000		
				Facility Incharge Phone	9477751235		Annual Operational Expenditure (In Rupees)	125000		
Centre of Excellence association with Russian Federation	Incubation Unit	2017	Block A, Phase - III, Kalyani, Nadia, West Bengal - 731235	Facility Incharge Name	Dr. Papun Biswas	750 Sq. Ft.	Yes		No	
				Facility Incharge Email	papun.biswas@jiscollege.ac.in		Annual Capital Expenditure (In Rupees)	390000		
				Facility Incharge Phone	9433766654		Annual Operational Expenditure (In Rupees)	130000		

### Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

JInnovationPvt. Ltd	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	2018	Block - A; Phaser - III; Kalyani; Nadia; West Bengal; Pin -741235	Facility Incharge Name	Dr. Biswarup Neogi	500 Sq. Ft.	Yes		Yes	
				Facility Incharge Email	biswarup.neogi@jiscollege.ac.in		Annual Capital Expenditure (In Rupees)	300000	Total Annual Income from Training and Skill Development Services (In Rupees)	125000
				Facility Incharge Phone	9477751235		Annual Operational Expenditure (In Rupees)	295000	Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)	25000
								Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)	10000	

### Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
JIS Innovation and Incubation Center (JIS-IIC)	Funding Agency	S and H Manufacturing and Trading Pvt Ltd Project Piezo tyre	Corporate / Industry Association	Yes	275000
JInnovationPvt. Ltd	Funding Agency	Eastern Rubber Industries	Corporate / Industry Association	Yes	135000
JIS Innovation and Incubation Center (JIS-IIC)	Institute's Own Fund / Resource	---	---	Yes	1300000

### Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute 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 2018-19?
Battery operated cycle E3 Cycle	JInnovationPvt. Ltd	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Faculty and Student	2017	IP / Patented Technology Applied for Patent Patent Application No	Completed and Ready for Commercialization/Incubation	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	Yes

### Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute 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 2018-19?
					2017					Total Seed Fund/Angel Investment/VC Fund raised by Idea/Prototype/Innovations during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2018-19 (in Rupees) 0
<b>Principal Innovator</b>										
Name			Type		Gender		Email		Contact	
Dr. Biswarup Neogi			Faculty		Male		biswarup.neogi@jiscollge.ac.in		6290456518	
<b>Co-Innovator</b>										
Name			Type		Gender		Email		Contact	
Shivam Sarkar			Student		Male		-		-	

### Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Start-up Received Funding / Grant from Centre	Name of Centre	Year of Registration	Registered as	Start-up with Corporate Identification Number (CIN) Registration	Start-up Founded by	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	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 2018-19	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19?	Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19?	Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ?
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### Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Battery operated cycle (E3 Cycle)	JInnovationPvt. Ltd	2018-19	Private Limited	U73100WB2018P TC22719	Faculty	<table border="1"> <tr> <th colspan="2">IP / Patented Technology</th> </tr> <tr> <td>Applied for Patent</td> <td>Yes</td> </tr> <tr> <td>Patent Application No</td> <td>2017 3101 1683 A</td> </tr> <tr> <td>Year of Patent Application</td> <td>2017</td> </tr> </table>	IP / Patented Technology		Applied for Patent	Yes	Patent Application No	2017 3101 1683 A	Year of Patent Application	2017	Receiving Incubation Support from Incubation Unit	No	No	No	<table border="1"> <tr> <th>Yes</th> </tr> <tr> <td>Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)</td> </tr> <tr> <td>0</td> </tr> </table>	Yes	Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)	0						
IP / Patented Technology																												
Applied for Patent	Yes																											
Patent Application No	2017 3101 1683 A																											
Year of Patent Application	2017																											
Yes																												
Total Income received from Start-up for pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 (in Rupees)																												
0																												
<table border="1"> <thead> <tr> <th colspan="6">Founder</th> </tr> <tr> <th>Name</th> <th>DIN Number</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Biswarup Neogi</td> <td>U73100WB2018PTC22719</td> <td>Faculty</td> <td>Male</td> <td>biswarup.neogi@jiscollge.ac.in</td> <td>6290456518</td> </tr> </tbody> </table>											Founder						Name	DIN Number	Type	Gender	Email	Contact	Biswarup Neogi	U73100WB2018PTC22719	Faculty	Male	biswarup.neogi@jiscollge.ac.in	6290456518
Founder																												
Name	DIN Number	Type	Gender	Email	Contact																							
Biswarup Neogi	U73100WB2018PTC22719	Faculty	Male	biswarup.neogi@jiscollge.ac.in	6290456518																							

### Co-Incubation Partnership

Type of Partnership	Partnership Institute Name	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups Supported	Date of MOU / Agreement Signed on
Incubation Services/Support Extended to Other Institute	Rajlakshmi Kanya Vidyapith Nadia	Mentoring	09	15-09-2018

### Technology Commercialization / Transfer

Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder	Centre / Department of Origin of Licence	Licence Transferred to	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
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## Technology Commercialization / Transfer

Piezo Tyre	IP/Patented Technology	One-time transfer/Licensing	201631008575A	<table border="1"> <tr> <td data-bbox="846 111 1010 236">Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td data-bbox="1010 111 1142 236">JIS College of Engineering</td> </tr> <tr> <td data-bbox="846 236 1010 320">Contact number of license holder</td> <td data-bbox="1010 236 1142 320">6290456518</td> </tr> <tr> <td data-bbox="846 320 1010 405">Email of Licence holder</td> <td data-bbox="1010 320 1142 405">biswarup.neogi@jiscollege.ac.in</td> </tr> <tr> <td data-bbox="846 405 1010 587">Gender</td> <td data-bbox="1010 405 1142 587">Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	JIS College of Engineering	Contact number of license holder	6290456518	Email of Licence holder	biswarup.neogi@jiscollege.ac.in	Gender	Male	Electronics and Communication Engineering	<table border="1"> <tr> <td data-bbox="1370 111 1534 180">Licence Transferred to</td> <td data-bbox="1534 111 1666 180">Industry</td> </tr> <tr> <td data-bbox="1370 180 1534 320">Name of Industry/Start-up/Agency Received License/Technology</td> <td data-bbox="1534 180 1666 320">S and H Manufacturing and Trading Pvt Ltd</td> </tr> <tr> <td data-bbox="1370 320 1534 443">Address of Agency</td> <td data-bbox="1534 320 1666 443">Kalyani Industrial Estate Kalyani Nadia</td> </tr> <tr> <td data-bbox="1370 443 1534 528">Contact Number of Agency</td> <td data-bbox="1534 443 1666 528">8961891904</td> </tr> <tr> <td data-bbox="1370 528 1534 587">Email of Agency</td> <td data-bbox="1534 528 1666 587">soura1200@gmail.com</td> </tr> </table>	Licence Transferred to	Industry	Name of Industry/Start-up/Agency Received License/Technology	S and H Manufacturing and Trading Pvt Ltd	Address of Agency	Kalyani Industrial Estate Kalyani Nadia	Contact Number of Agency	8961891904	Email of Agency	soura1200@gmail.com	Yes	275000
Patent/Licence Holder name (Institute Co-ownership is Must)	JIS College of Engineering																									
Contact number of license holder	6290456518																									
Email of Licence holder	biswarup.neogi@jiscollege.ac.in																									
Gender	Male																									
Licence Transferred to	Industry																									
Name of Industry/Start-up/Agency Received License/Technology	S and H Manufacturing and Trading Pvt Ltd																									
Address of Agency	Kalyani Industrial Estate Kalyani Nadia																									
Contact Number of Agency	8961891904																									
Email of Agency	soura1200@gmail.com																									



## 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. Malay R Dave (Head of Institute) and Dr. Biswarup Neogi (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

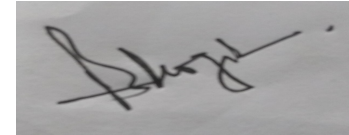
The Head of Institute



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Dr. Malay R Dave  
Head of the Institution,  
JIS COLLEGE OF ENGINEERING,  
Kalyani, West Bengal

Nodal officer



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Dr. Biswarup Neogi  
Nodal Officer,  
JIS COLLEGE OF ENGINEERING,  
Kalyani, West Bengal

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