



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

Institute Name: Netaji Subhash Engineering College [ARI-C-6139]

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/rec eived fund to organise the program/acti vity/event?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
Application of AI in Startup	Entrepreneur ship/Startup	Skill Developmen t	Student Lead Activity	NSEC Ecell	20-07-2018 00:00:00	14-09-2018 00:00:00	57	Within Campus	88	0	0	0	88	No	
Web Developmen t using PHP, MySQL and Word Press	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of Information Technology and Training and Placement Department	30-07-2018 00:00:00	07-08-2018 00:00:00	9	Within Campus	77	0	0	0	77	Yes	46200
Android Application Developmen t	Innovation	Training	Institute Lead Activity	Department of Information Technology and Training and Placement Department	30-07-2018 00:00:00	07-08-2018 00:00:00	9	Within Campus	75	0	0	0	75	Yes	46200
Electronic Circuit Design - I(Basic)	Entrepreneur ship/Startup, Innovation	Training and skill development	Institute Lead Activity	Department of ECE and Training and Placement Department	25-06-2018 00:00:00	07-07-2018 00:00:00	13	Within Campus	116	0	0	0	116	Yes	57600
PHP and MySQL	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department CSE and Training and Placement Department	24-09-2018 00:00:00	28-09-2018 00:00:00	5	Within Campus	120	0	0	0	120	Yes	63000
Cyber Security and Ethical Hacking	Entrepreneur ship/Startup, Innovation	Training and Skill Developmen t	Institute Lead Activity	Department of CSE and Training nd Placement Department	16-08-2018 00:00:00	21-10-2018 00:00:00	67	Within Campus	129	0	0	0	129	Yes	56640
Python Programmin g(In light of C)	Innovation	Skill Developmen t	Institute Lead Activity	Department of ECE and Training and Placement Department	11-08-2018 00:00:00	09-11-2018 00:00:00	91	Within Campus	93	0	0	0	93	Yes	72000

Frogram	onducted	by manue	itelateu tt	TIFIX, LITTLE	preneursii	ip / Start-u	ps & IIIIIOV	ation							
Electrical AutoCAD	Entrepreneur ship/Startup, Innovation	Skill Dvelopment	Institute Lead Activity	Department of EE and Training and Placement Department	16-07-2018 00:00:00	20-07-2018 00:00:00	5	Within Campus	99	0	0	0	99	Yes	72000
Hardware Model Developmen t and Interfacing with PLC	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of EE and Training nd Placement Department	23-07-2018 00:00:00	28-07-2018 00:00:00	6	Within Campus	125	0	0	0	125	Yes	138000
Coding Skill practice using C	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of AEIE and Training and	06-08-2018 00:00:00	10-08-2018 00:00:00	5	Within Campus	53	0	0	0	53	Yes	21000
Introduction and Application of Python	Innovation	Skill Developmen t	Institute Lead Activity	Department of AEIE and Training and Placement Department	13-08-2018 00:00:00	20-08-2018 00:00:00	8	Within Campus	57	0	0	0	57	Yes	21000
Hands on training on familiarization of electrical and electronic equipment with soldering technique	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of BME and Training and Placement Department	30-06-2018 00:00:00	12-07-2018 00:00:00	13	Within Campus	31	0	0	0	31	Yes	30000
Embedded System Design	Entrepreneur ship/Startup, Innovation	Training	Institute Lead Activity	Department of BME and Training and Placement Department	12-07-2018 00:00:00	18-07-2018 00:00:00	7	Within Campus	29	0	0	0	29	Yes	30000
Knowledge on welding technology for heavy industries	Entrepreneur ship/Startup, Innovation	Training an Skill Developmen t	Institute Lead Activity	Department of ME and Training and Placement Department	19-07-2018 00:00:00	26-07-2018 00:00:00	8	Within Campus	99	0	0	0	99	Yes	90000
Solid Works	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of ME and Training and Placement Department	13-08-2018 00:00:00	31-08-2018 00:00:00	19	Within Campus	124	0	0	0	124	Yes	212400
Basics of Civil Engineering	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of CE and Training Placement Department	16-07-2018 00:00:00	27-07-2018 00:00:00	12	Within Campus	97	0	0	0	97	Yes	57600
AuoCAD for Civil	Innovation	Skill Developmen t	Institute Lead Activity	Department of CE and Training and Placement Department	24-09-2018 00:00:00	06-10-2018 00:00:00	13	Within Campus	125	0	0	0	125	Yes	74340
Prototype Exhibition	Entrepreneur ship/Startup, Innovation	Exhibition	Institute Lead Activity	NSEC Entrepreneur ship Developmen t Cell	06-02-2019 00:00:00	06-02-2019 00:00:00	1	Within Campus	42	12	18	3	75	Yes	11000

Program C	Jonauciea	by msmute	Related to	PR, Entre	preneursn	ip / Start-u	ps & Illilove	ation					-		
Idea 2 Prototype Competition	Entrepreneur ship/Startup, Innovation	Innovation Contest	Institute Lead Activity	NSEC Entrepreneur ship Developmen t Cell	16-02-2019 00:00:00	16-02-2019 00:00:00	1	Within Campus	112	6	0	0	118	Yes	15100
Hult Prize on Campus 2019	Entrepreneur ship/Startup	Ideation and B-Plan Competition	Student Lead Activity	NSEC EDCELL	16-02-2019 00:00:00	16-02-2019 00:00:00	1	Within Campus	82	8	0	0	90	No	
Python with Django	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of CSE and Training and Placement Department	13-02-2019 00:00:00	23-02-2019 00:00:00	11	Within Campus	103	0	0	0	103	Yes	36000
Android App Developmen t	Entrepreneur ship/Startup, Innovation	Skill Developmen t Training	Institute Lead Activity	Department of CSE and Training and Placement Department	04-02-2019 00:00:00	22-02-2019 00:00:00	19	Within Campus	112	0	0	0	112	Yes	49000
Python with Django	Entrepreneur ship/Startup, Innovation	Skill development	Institute Lead Activity	Department of IT and Training and Placement Department	28-01-2019 00:00:00	16-02-2019 00:00:00	20	Within Campus	70	0	0	0	70	Yes	36000
MEAN Stack Developmen t	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of IT and Training and Placement Department	04-02-2019 00:00:00	16-02-2019 00:00:00	13	Within Campus	48	0	0	0	48	Yes	36000
Python Programmin g	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of ECE and Training and Placement Department	16-01-2019 00:00:00	22-01-2019 00:00:00	7	Within Campus	127	0	0	0	127	Yes	54000
Python and IOT (Arduino)	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of ECE and Training and Placement Department	15-01-2019 00:00:00	30-03-2019 00:00:00	75	Within Campus	108	0	0	0	108	Yes	72000
Basic Industrial Automation(along with simple projects)	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of EE and Training and Placement Department	14-01-2019 00:00:00	24-02-2019 00:00:00	42	Within Campus	102	0	0	0	102	Yes	90000
Python and IOT	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of EE and Training and Placement Department	30-01-2019 00:00:00	15-02-2019 00:00:00	17	Within Campus	96	0	0	0	96	Yes	48000
Core Python Programmin g	Innovation	Skill Developmen t	Institute Lead Activity	Department of AEIE and Training and Palcement Department	16-01-2019 00:00:00	24-01-2019 00:00:00	9	Within Campus	56	0	0	0	56	Yes	18000
Python Programmin g with projects	Innovation	Skill Developmen t	Institute Lead Activity	Department of AEIE and Training and Placement Department	21-01-2019 00:00:00	29-01-2019 00:00:00	9	Within Campus	62	0	0	0	62	Yes	18000

Program C	onducted	by institute	Related to	PR, Entre	preneursn	ip / Start-u	os & innov	ation							
Familiarizati on of Digital Electronics and various sensor used in Biomedical equipment	Innovation	Skill Developmen t	Institute Lead Activity	Department of BME and Training and Placement Department	27-01-2019 00:00:00	29-03-2019 00:00:00	62	Within Campus	30	0	0	0	30	Yes	33000
Familiarizati on of medical equipments, identification of faulty and practice demo of some important medical equipment	Innovation	Skill Developmen t	Institute Lead Activity	Department of BME and Training and Placement Department	16-02-2019 00:00:00	20-03-2019 00:00:00	33	Within Campus	32	0	0	0	32	Yes	33000
AutoCAD	Innovation	Skill Developmen t	Institute Lead Activity	Department of ME and Training and Placement Department	21-01-2019 00:00:00	20-03-2019 00:00:00	59	Within Campus	50	0	0	0	50	Yes	20000
ANSYS Workbench	Innovation	Skill Developmen t	Institute Lead Activity	Department of ME and Training and Placement Department	28-01-2019 00:00:00	15-02-2019 00:00:00	19	Within Campus	43	0	0	0	43	Yes	101952
Advance Welding	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of ME and Training and Placement Department	31-01-2019 00:00:00	07-02-2019 00:00:00	8	Within Campus	47	0	0	0	47	Yes	53100
Remote Sensing and GIS with demonstratio n of software	Entrepreneur ship/Startup, Innovation	Skill Developmen t	Institute Lead Activity	Department of CE and Training and Placement Department	16-02-2019 00:00:00	22-03-2019 00:00:00	35	Within Campus	83	0	0	0	83	Yes	24000
Basic Coding with C	Innovation	Skill Developmen t	Institute Lead Activity	Training and Placement Department	12-03-2019 00:00:00	27-03-2019 00:00:00	16	Within Campus	97	0	0	0	97	Yes	14400
International Professional Exchange Program, Bio medical Equipment Technology (BMET), Ass ociate Degree	Innovation	Workshop	Institute Lead Activity	Department of BME	16-09-2018 00:00:00	29-09-2018 00:00:00	14	Within Campus	10	6	0	12	28	Yes	642056
Workshop on Hands on Circuit	Entrepreneur ship/Startup, Innovation	Workshop	Institute Lead Activity	NSEC Entrepreneur ship Developmen t Cell	02-03-2019 00:00:00	16-03-2019 00:00:00	15	Within Campus	124	9	0	0	133	Yes	15000
Ethical Hacking and Cyber Security Workshop	Innovation	Skill Developmen t	Institute Lead Activity	Department of IT	28-09-2018 00:00:00	01-10-2018 00:00:00	4	Within Campus	60	1	0	0	61	No	

Cloud Study Jam	Innovation	Skill Developmen t	Institute Lead Activity	Department of IT	23-02-2019 00:00:00	23-02-2019 00:00:00	1	Within Campus	120	1	0	0	121	Yes	2030
Application of Blockchain	Entrepreneur ship/Startup, Innovation	Seminar	Institute Lead Activity	Department of IT	31-10-2018 00:00:00	31-10-2018 00:00:00	1	Within Campus	86	12	0	0	98	Yes	2000

Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by repute 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/Rec ognitions/Ac hievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/rec eived fund towards sending delegation to participate/re present the program/acti vity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
E-SUMMIT (Scintillation s-2019), IIEST, Shibpur	Entrepreneur ship/Startup	B-Plan Competition	IIEST, Shibpur, Howrah	Educational Institute	23-02-2019 00:00:00	24-02-2019 00:00:00	2	28	2	30	Yes	3rd, 6th and 10th position by 3 teams	White Coal from Jute Sticks, Bio- Fuel, Healthcare Solution in Rural India	Yes	8400
WORKSHO P ON INTELLECT UAL PROPERTY RIGHT	IPR	Workshop	EKTA INCUBATIO N CENTRE, MAKAUT, WB	Educational Institute	15-03-2019 00:00:00	15-03-2019 00:00:00	1	2	2	4	No		1	No	
Seminar on IPR	IPR	Seminar	IIEST, Shibpur, Howrah	Educational Institute	23-02-2019 00:00:00	23-02-2019 00:00:00	1	0	2	2	No			No	
Innovation 2019	Entrepreneur ship/Startup	Conference	Confederatio n of Indian Industries (CII)	Corporate / Industry Association	16-03-2019 00:00:00	16-03-2019 00:00:00	1	2	2	4	No			No	
Start-up and Innovative Project Competition at IITF 2018	Entrepreneur ship/Startup	Innovation Contest	Bengal National Chamber of Commerce (BNCCI)	Corporate / Industry Association	24-12-2018 00:00:00	26-12-2018 00:00:00	3	22	1	23	Yes	1st	Generating Electricity from Pressure	No	
Hult prize National 2018 at IIT Delhi	Entrepreneur ship/Startup	Innovation Contest	Hult Prize Foundation	International Agencies	07-04-2018 00:00:00	08-04-2018 00:00:00	2	2	0	2	No		1	Yes	4500
IICDC 2018	Innovation	Innovation Contest	DST and Texas Instrument	Govt. Agency (Central)	07-11-2018 00:00:00	01-12-2018 00:00:00	25	2	1	3	Yes	selected in quarter final round	Generating Electricity from Human Weight	No	

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

EngiNX 2018	Innovation	Innovation Contest	Tata Consultancy Services	Corporate / Industry Association	30-08-2018 00:00:00	31-08-2018 00:00:00	2	4	0	4	Yes	3rd	Traffic flow minimization using Artificial Intelligence	Yes	25000
Hackinthe north 2019	Innovation	Innovation Contest	IIIT Alahabad	Educational Institute	29-03-2019 00:00:00	31-03-2019 00:00:00	3	1	0	1	No			Yes	1870
ACM ICPC	Innovation	Innovation Contest	ACM Baylor University	International Agencies	27-12-2018 00:00:00	28-12-2018 00:00:00	2	3	0	3	No			Yes	20000
Smart India Hackathon	Innovation	Innovation Contest	MHRD Govt. of India	Govt. Agency (Central)	01-04-2018 00:00:00	31-08-2018 00:00:00	15	6	0	6	Yes	2nd	Vigyanam	Yes	35000
Interactive Session with MIC, Government of West Bengal	Entrepreneur ship/Startup	Seminar	Bengal National Chamber of Commerce and Industries	Corporate / Industry Association	20-11-2018 00:00:00	20-11-2018 00:00:00	1	10	5	15	No			No	

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
Entrepreneurship Development and Project Management	IPR, Entrepreneurship/Startup	Elective/Core Credit Course	Master	01-07-2018 00:00:00	24-12-2018 00:00:00	177	Offline	10	10	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?
NSEC Incubation Center	Pre-Incubation Centre	2016	Netaji Subhash Engg. College, Techno City, Panchpota, Garia, Kolkata-700152	Facility Incharge Name Facility Incharge Email Facility Incharge Email Facility Incharge Phone Shilpi Bose Shilpi Bos	7000 Sq. Ft.	Annual Capital Expenditure (In Rupees) Annual Operational Expenditure (In Rupees)	No

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)
NSEC Incubation Center	Institute's Own Fund / Resource			No	

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/Incubati on 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/Inno vations raised any Seed fund/Angel Investment/VC during the period of receiving preincubation/incubation support at your Preincubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Inno vations for the pre- incubation/incubatio n support and the services offered by Pre- incubation/incubatio n or institute during the financial period 2018-19?
X-Spark - Generating Electricity from Human Pressure	NSEC Incubation Center	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2018	IP / Patented Technology Applie d for Patent Patent Applica 3102 4351 Year of Patent Applica tion Year of Patent Applica tion	Still Under Development Process	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees) 39000	No	No
	Principal Inn	ovator								
		Name		Туре		Gender		Email	Co	ontact
	Naseem Ahmad			Student	М	ale	ahmadnas	eem789@gmail.com	8210931279	
	Co-Innovator	ſ								
		Name		Туре		Gender		Email	Co	ontact
	Astha Gupta			Student	Fe	male	aasthagup	taa18@gmail.com	8697889978	
	Shilpi Bose			Faculty	М	ale	bose.shilp	08@gmail.com	9230510321	

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/Incuba tion 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 preincubation/incubation support at your Preincubation/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/incuba tion support and the services offered by Pre-incubation/incuba tion or institute during the financial period 2018-19?
TEAMCOGNITO TECH LLP	NSEC Incubation Center	2018-19	Limited Liability Partnership	AAN5335	Alumni Entrepreneur	Service Based Business Solution	Receiving Incubation Support from Incubation Unit	Yes	No	No	No
	Farmalan										

Founder								
Name	DIN Number	Туре	Gender	Email	Contact			
SANKET SARKAR	08204167	Alumni Entrepreneur	Male	sanketsarkr70@gmail.com	7980700938			

o-Founder								
Name	DIN Number	Туре	Gender	Email	Contact			
SNEHANJAN CHATTERJEE	08204052	Innovator/Entrepreneur External to Institute	Male	snehanjan.chat@gmail.com	7003965679			
SWARNALI SINGHA	08206062	Innovator/Entrepreneur External to Institute	Female	swarnalisingha2016@gmail.co m	8910228966			

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 Received from Other Institute/Incubator	Confederation of Indian Industries	Mentoring,Networking	5	27-10-2017

Technology Commercialization / Transfer

No Data Flled!