



ARIIA

ATL 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)

Institute Name: Indian Institute of Technology Kharagpur [ARI-U-0573]

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

Financial Year	Program Type	Name of Program	Program Theme	Program Duration	Program Conducted	Participants Details			Expenditure Incurred		
						Number of Internal Participants	Number of External Participants	Total Number of Participants	Institute Own / Internal Fund (in Rupees)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Awareness / Motivational Programs	Hobby hub	Innovation	01-Apr-2015 to 30-Mar-2016 (365 Days)	Within Campus	92	0	92	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Advances in Numerical Simulation Techniques for Hydraulics, Hydrology and Water Resources Management	Innovation	01-Jun-2015 to 06-Jun-2015 (6 Days)	Within Campus	1	18	19	0.00	283438.00	283438.00
2015-16	Workshops / Training / Seminars / Conferences	National Workshop on Institutional Digital Repository for National Digital Library	Innovation	15-Jun-2015 to 17-Jun-2015 (3 Days)	Within Campus	10	60	70	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Brain storming meeting on intellectual property	IPR	06-Jul-2015 to 06-Jul-2015 (1 Days)	Within Campus	0	25	25	0.00	0.00	0.00
2015-16	Other Related Programs	Interactive session with Mr. Peter Chan	Entrepreneurship/Startup	09-Aug-2015 to 09-Aug-2015 (1 Days)	Within Campus	0	30	30	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Emerging Trends in Academic Libraries	Innovation	21-Aug-2015 to 21-Aug-2015 (1 Days)	Within Campus	30	70	100	0.00	183477.00	183477.00
2015-16	Workshops / Training / Seminars / Conferences	Business model canvas	Entrepreneurship/Startup	30-Aug-2015 to 30-Aug-2015 (1 Days)	Within Campus	35	0	35	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Workshop on Bio innovation	Innovation	04-Sep-2015 to 04-Sep-2015 (1 Days)	Within Campus	0	30	30	0.00	0.00	0.00
2015-16	Awareness / Motivational Programs	EAD Nagpur	Entrepreneurship/Startup	09-Oct-2015 to 09-Oct-2015 (1 Days)	Outside Campus	0	215	215	0.00	5000.00	5000.00

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2015-16	Awareness / Motivational Programs	EAD Patna	Entrepreneurship/ Startup	12-Oct-2015 to 12-Oct-2015 (1 Days)	Outside Campus	0	300	300	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Bhubaneswar	Entrepreneurship/ Startup	14-Oct-2015 to 14-Oct-2015 (1 Days)	Outside Campus	0	260	260	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Kolkata	Entrepreneurship/ Startup	16-Oct-2015 to 16-Oct-2015 (1 Days)	Outside Campus	0	560	560	0.00	7500.00	7500.00
2015-16	Awareness / Motivational Programs	EAD Faridabad	Entrepreneurship/ Startup	16-Oct-2015 to 16-Oct-2015 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Jabalpur	Entrepreneurship/ Startup	17-Oct-2015 to 17-Oct-2015 (1 Days)	Outside Campus	0	150	150	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Indore	Entrepreneurship/ Startup	17-Oct-2015 to 17-Oct-2015 (1 Days)	Outside Campus	0	500	500	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Mumbai	Entrepreneurship/ Startup	17-Oct-2015 to 17-Oct-2015 (1 Days)	Outside Campus	0	250	250	0.00	6500.00	6500.00
2015-16	Awareness / Motivational Programs	EAD Bhopal	Entrepreneurship/ Startup	18-Oct-2015 to 18-Oct-2015 (1 Days)	Outside Campus	0	650	650	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Pune	Entrepreneurship/ Startup	18-Oct-2015 to 18-Oct-2015 (1 Days)	Outside Campus	0	225	225	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Kanpur	Entrepreneurship/ Startup	18-Oct-2015 to 18-Oct-2015 (1 Days)	Outside Campus	0	300	300	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Lucknow	Entrepreneurship/ Startup	20-Oct-2015 to 20-Oct-2015 (1 Days)	Outside Campus	0	275	275	9.00	5000.00	5009.00
2015-16	Awareness / Motivational Programs	EAD Lucknow	Entrepreneurship/ Startup	20-Oct-2015 to 20-Oct-2015 (1 Days)	Outside Campus	0	275	275	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Delhi	Entrepreneurship/ Startup	21-Oct-2015 to 21-Oct-2015 (1 Days)	Outside Campus	0	200	200	0.00	6500.00	6500.00
2015-16	Awareness / Motivational Programs	EAD Gurgaon	Entrepreneurship/ Startup	23-Oct-2015 to 23-Oct-2015 (1 Days)	Outside Campus	0	200	200	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Bangalore	Entrepreneurship/ Startup	24-Oct-2015 to 24-Oct-2015 (1 Days)	Outside Campus	0	200	200	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Jamshedpur	Entrepreneurship/ Startup	26-Oct-2015 to 26-Oct-2015 (1 Days)	Outside Campus	0	220	220	0.00	5000.00	5000.00
2015-16	Awareness / Motivational Programs	EAD Kharagpur	Entrepreneurship/ Startup	28-Oct-2015 to 28-Oct-2015 (1 Days)	Within Campus	300	0	300	0.00	2500.00	2500.00

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2015-16	Awareness / Motivational Programs	EAD Ranchi	Entrepreneurship/ Startup	30-Oct-2015 to 30-Oct-2015 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2015-16	Workshops / Training / Seminars / Conferences	PLANNING AND MANAGEMENT OF CULTURAL HERITAGE SITES (GIAN)	Innovation	07-Dec-2015 to 18-Dec-2015 (12 Days)	Within Campus	20	22	42	0.00	150000.00	150000.00
2015-16	Workshops / Training / Seminars / Conferences	Global Entrepreneurship summit	Entrepreneurship/ Startup	08-Jan-2016 to 10-Jan-2016 (3 Days)	Within Campus	0	1450	1450	0.00	1200000.00	1200000.00
2015-16	Workshops / Training / Seminars / Conferences	International Symposium LIVABLE HABITAT AND SUSTAINABLE URBAN AGENDA	Innovation	27-Jan-2016 to 28-Jan-2016 (2 Days)	Outside Campus	150	50	200	0.00	1500000.00	1500000.00
2015-16	Hackathons/Competition/Boot-Camp/Exchange Programs	SRIJAN	Entrepreneurship/ Startup	04-Feb-2016 to 04-Feb-2016 (1 Days)	Within Campus	10	32	42	0.00	40000.00	40000.00
2015-16	Workshops / Training / Seminars / Conferences	Machine vision and learning spring school2016	Innovation	05-Mar-2016 to 06-Mar-2016 (2 Days)	Within Campus	10	40	50	400000.00	0.00	400000.00
2015-16	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Impulse 2016	Innovation	20-Mar-2016 to 20-Mar-2016 (1 Days)	Within Campus	100	20	120	50000.00	0.00	50000.00
2016-17	Awareness / Motivational Programs	Hobby Hub	Innovation	01-Apr-2016 to 31-Mar-2017 (365 Days)	Within Campus	40	10	50	0.00	0.00	0.00
2016-17	Other Related Programs	PRISM Outreach Camp	Innovation	26-May-2016 to 26-May-2016 (1 Days)	Outside Campus	0	100	100	0.00	0.00	0.00
2016-17	Other Related Programs	PRISM Outreach Camp	Innovation	12-Jun-2016 to 12-Jun-2016 (1 Days)	Outside Campus	0	200	200	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	National Workshop on Open Source for Library Management(OSS LM 2016)	Innovation	13-Jun-2016 to 18-Jun-2016 (6 Days)	Within Campus	20	90	110	0.00	1047043.00	1047043.00
2016-17	Workshops / Training / Seminars / Conferences	REDUCING DISASTER RISKS IN HISTORIC URBAN AREAS (GIAN)	Innovation	20-Jun-2016 to 25-Jun-2016 (6 Days)	Within Campus	5	45	50	0.00	90000.00	90000.00
2016-17	Other Related Programs	National Moot Court Competition - III (NMCC-3)	IPR	16-Aug-2016 to 19-Aug-2016 (4 Days)	Within Campus	10	20	30	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	PRISM Outrich Camp	Innovation	22-Aug-2016 to 22-Aug-2016 (1 Days)	Outside Campus	0	150	150	0.00	0.00	0.00

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2016-17	Other Related Programs	National Colloquium on Legal Research And Methodology III	IPR	14-Sep-2016 to 16-Sep-2016 (3 Days)	Within Campus	0	0	0	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Geometric Methods for Machine Vision 2016	Innovation	26-Sep-2016 to 20-Oct-2016 (25 Days)	Within Campus	60	0	60	400000.00	0.00	400000.00
2016-17	Awareness / Motivational Programs	EAD Pune	Entrepreneurship/ Startup	09-Oct-2016 to 09-Oct-2016 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Jamshedpur	Entrepreneurship/ Startup	10-Oct-2016 to 10-Oct-2016 (1 Days)	Outside Campus	0	200	200	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Faridabad	Entrepreneurship/ Startup	12-Oct-2016 to 12-Oct-2016 (1 Days)	Outside Campus	0	315	315	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Patna	Entrepreneurship/ Startup	12-Oct-2016 to 12-Oct-2016 (1 Days)	Outside Campus	0	375	375	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Kanpur	Entrepreneurship/ Startup	13-Oct-2016 to 13-Oct-2016 (1 Days)	Outside Campus	0	375	375	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Nagpur	Entrepreneurship/ Startup	14-Oct-2016 to 14-Oct-2016 (1 Days)	Outside Campus	0	275	275	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Raipur	Entrepreneurship/ Startup	14-Oct-2016 to 14-Oct-2016 (1 Days)	Outside Campus	0	200	200	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Bhubaneswar	Entrepreneurship/ Startup	14-Oct-2016 to 14-Oct-2016 (1 Days)	Outside Campus	0	340	340	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Hyderabad	Entrepreneurship/ Startup	16-Oct-2016 to 16-Oct-2016 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Kolkata	Entrepreneurship/ Startup	16-Oct-2016 to 16-Oct-2016 (1 Days)	Outside Campus	0	450	450	0.00	6000.00	6000.00
2016-17	Awareness / Motivational Programs	EAD Indore	Entrepreneurship/ Startup	17-Oct-2016 to 17-Oct-2016 (1 Days)	Outside Campus	0	600	600	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Ahemdabad	Entrepreneurship/ Startup	17-Oct-2016 to 17-Oct-2016 (1 Days)	Outside Campus	0	225	225	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Chandigarh	Entrepreneurship/ Startup	17-Oct-2016 to 17-Oct-2016 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Bhopal	Entrepreneurship/ Startup	18-Oct-2016 to 18-Oct-2016 (1 Days)	Outside Campus	0	560	560	0.00	5000.00	5000.00

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2016-17	Awareness / Motivational Programs	EAD Mumbai	Entrepreneurship/ Startup	18-Oct-2016 to 18-Oct-2016 (1 Days)	Outside Campus	0	300	300	0.00	7000.00	7000.00
2016-17	Awareness / Motivational Programs	EAD Lucknow	Entrepreneurship/ Startup	20-Oct-2016 to 20-Oct-2016 (1 Days)	Outside Campus	0	350	350	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Delhi	Entrepreneurship/ Startup	21-Oct-2016 to 21-Oct-2016 (1 Days)	Outside Campus	0	250	250	0.00	8000.00	8000.00
2016-17	Awareness / Motivational Programs	EAD Noida	Entrepreneurship/ Startup	23-Oct-2016 to 23-Oct-2016 (1 Days)	Outside Campus	0	350	350	0.00	5000.00	5000.00
2016-17	Awareness / Motivational Programs	EAD Ludhiana	Entrepreneurship/ Startup	24-Oct-2016 to 24-Oct-2016 (1 Days)	Outside Campus	0	220	220	0.00	5000.00	5000.00
2016-17	Workshops / Training / Seminars / Conferences	One Day Workshop on PRISM for Promoting Make in India	Innovation	27-Oct-2016 to 27-Oct-2016 (1 Days)	Within Campus	190	30	220	0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	EAD Kharagpur	Entrepreneurship/ Startup	28-Oct-2016 to 28-Oct-2016 (1 Days)	Within Campus	320	0	320	0.00	2000.00	2000.00
2016-17	Awareness / Motivational Programs	EAD Ranchi	Entrepreneurship/ Startup	30-Oct-2016 to 30-Oct-2016 (1 Days)	Outside Campus	0	300	300	0.00	5000.00	5000.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Campus-Preneur	Entrepreneurship/ Startup	09-Nov-2016 to 09-Nov-2016 (1 Days)	Within Campus	48	0	48	0.00	5000.00	5000.00
2016-17	Workshops / Training / Seminars / Conferences	BIOBUSINESS AND BIOECONOMY IN INDIA THE EMERGING OPPORTUNITIES	Entrepreneurship/ Startup	25-Nov-2016 to 26-Nov-2016 (2 Days)	Within Campus	43	20	63	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Market Uncertainty for Start-ups	Entrepreneurship/ Startup	11-Jan-2017 to 12-Jan-2017 (2 Days)	Within Campus	0	12	12	10000.00	0.00	10000.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Vichaar	Entrepreneurship/ Startup	14-Jan-2017 to 14-Jan-2017 (1 Days)	Outside Campus	32	110	142	0.00	5000.00	5000.00
2016-17	Workshops / Training / Seminars / Conferences	Global entrepreneurship summit	Entrepreneurship/ Startup	03-Feb-2017 to 05-Feb-2017 (3 Days)	Within Campus	0	1400	1400	0.00	1300000.00	1300000.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Srijan	Entrepreneurship/ Startup	04-Feb-2017 to 04-Feb-2017 (1 Days)	Outside Campus	12	32	44	0.00	40000.00	40000.00

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2016-17	Workshops / Training / Seminars / Conferences	Design Innovation Competition	Entrepreneurship/ Startup	04-Feb-2017 to 04-Feb-2017 (1 Days)	Within Campus	0	50	50	0.00	20000.00	20000.00
2016-17	Workshops / Training / Seminars / Conferences	Green Innovation Symposium	Innovation	08-Mar-2017 to 09-Mar-2017 (2 Days)	Within Campus	40	40	80	0.00	50000.00	50000.00
2016-17	Workshops / Training / Seminars / Conferences	Signal Processing Spring School 2017	Innovation	17-Mar-2017 to 19-Mar-2017 (3 Days)	Within Campus	20	20	40	400000.00	0.00	400000.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Impulse 2017	Innovation	25-Mar-2017 to 26-Mar-2017 (2 Days)	Within Campus	100	30	130	50000.00	10000.00	60000.00
2016-17	Other Related Programs	E-bike launching	Innovation	11-Nov-2017 to 11-Nov-2017 (1 Days)	Within Campus	200	0	200	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Hobby Hub	Innovation	01-Apr-2017 to 31-Mar-2018 (365 Days)	Within Campus	86	0	86	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	27-Apr-2017 to 29-Apr-2017 (3 Days)	Outside Campus	6	56	62	0.00	41086.00	41086.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	13-May-2017 to 16-May-2017 (4 Days)	Outside Campus	3	60	63	0.00	51532.00	51532.00
2017-18	Other Related Programs	Inauguration of Solar Powered Cycle Refueling Station	Innovation	26-May-2017 to 26-May-2017 (1 Days)	Within Campus	100	0	100	0.00	0.00	0.00
2017-18	Other Related Programs	Product Showcasing	Entrepreneurship/ Startup	26-May-2017 to 26-May-2017 (1 Days)	Within Campus	100	0	100	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Discussion between Entrepreneurs of STEP	Innovation	26-May-2017 to 26-May-2017 (1 Days)	Within Campus	20	0	20	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	International Workshop on Open Source for Library Management (OSSLM 2017)	Innovation	12-Jun-2017 to 17-Jun-2017 (6 Days)	Within Campus	15	95	110	0.00	1226670.00	1226670.00
2017-18	Workshops / Training / Seminars / Conferences	Deep Learning for Visual Computing Summer School 2017	Innovation	02-Jul-2017 to 08-Jul-2017 (7 Days)	Within Campus	10	40	50	400000.00	800000.00	1200000.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Project Based Physics Education	Innovation	29-Jul-2017 to 30-Jul-2017 (2 Days)	Outside Campus	3	57	60	0.00	154539.00	154539.00

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2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	03-Aug-2017 to 05-Aug-2017 (3 Days)	Outside Campus	3	64	67	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	06-Aug-2017 to 08-Aug-2017 (3 Days)	Outside Campus	3	65	68	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	13-Aug-2017 to 15-Aug-2017 (3 Days)	Outside Campus	3	58	61	0.00	147473.00	147473.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	16-Aug-2017 to 18-Aug-2017 (3 Days)	Outside Campus	3	66	69	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	21-Aug-2017 to 23-Aug-2017 (3 Days)	Outside Campus	3	60	63	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	25-Aug-2017 to 28-Aug-2017 (4 Days)	Outside Campus	3	70	73	0.00	107767.00	107767.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	29-Aug-2017 to 31-Aug-2017 (3 Days)	Outside Campus	5	79	84	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	04-Sep-2017 to 06-Sep-2017 (3 Days)	Outside Campus	5	60	65	0.00	119827.00	119827.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	07-Sep-2017 to 09-Sep-2017 (3 Days)	Outside Campus	4	55	59	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	13-Sep-2017 to 15-Sep-2017 (3 Days)	Outside Campus	5	68	73	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	16-Sep-2017 to 18-Sep-2017 (3 Days)	Outside Campus	4	42	46	0.00	100417.00	100417.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	20-Sep-2017 to 22-Sep-2017 (3 Days)	Outside Campus	4	62	66	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	EAD Ludhiana	Entrepreneurship/Startup	27-Sep-2017 to 27-Sep-2017 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Surat	Entrepreneurship/Startup	29-Sep-2017 to 29-Sep-2017 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00

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2017-18	Awareness / Motivational Programs	EAD Pune	Entrepreneurship/ Startup	03-Oct-2017 to 03-Oct-2017 (1 Days)	Outside Campus	0	315	315	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Mumbai	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	325	325	0.00	7000.00	7000.00
2017-18	Awareness / Motivational Programs	EAD Lucknow	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	350	350	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Kanpur	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	400	400	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Patna	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	300	300	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Allahabad	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Raipur	Entrepreneurship/ Startup	04-Oct-2017 to 04-Oct-2017 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Chandigarh	Entrepreneurship/ Startup	05-Oct-2017 to 05-Oct-2017 (1 Days)	Outside Campus	0	200	200	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Noida	Entrepreneurship/ Startup	05-Oct-2017 to 05-Oct-2017 (1 Days)	Outside Campus	0	350	350	0.00	7000.00	7000.00
2017-18	Awareness / Motivational Programs	EAD Kharagpur	Entrepreneurship/ Startup	07-Oct-2017 to 07-Oct-2017 (1 Days)	Within Campus	350	0	350	0.00	2000.00	2000.00
2017-18	Awareness / Motivational Programs	EAD Nagpur	Entrepreneurship/ Startup	07-Oct-2017 to 07-Oct-2017 (1 Days)	Outside Campus	0	400	400	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Hyderabad	Entrepreneurship/ Startup	07-Oct-2017 to 07-Oct-2017 (1 Days)	Outside Campus	0	275	275	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Bhubaneswar	Entrepreneurship/ Startup	13-Oct-2017 to 13-Oct-2017 (1 Days)	Outside Campus	0	625	625	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Faridabad	Entrepreneurship/ Startup	25-Oct-2017 to 25-Oct-2017 (1 Days)	Outside Campus	0	325	325	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Bhopal	Entrepreneurship/ Startup	27-Oct-2017 to 27-Oct-2017 (1 Days)	Outside Campus	0	800	800	0.00	5000.00	5000.00
2017-18	Awareness / Motivational Programs	EAD Kolkata	Entrepreneurship/ Startup	28-Oct-2017 to 28-Oct-2017 (1 Days)	Outside Campus	0	600	600	0.00	8000.00	8000.00
2017-18	Awareness / Motivational Programs	EAD Indore	Entrepreneurship/ Startup	30-Oct-2017 to 30-Oct-2017 (1 Days)	Outside Campus	0	750	750	0.00	5000.00	5000.00

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

2017-18	Awareness / Motivational Programs	EAD Ranchi	Entrepreneurship/ Startup	30-Oct-2017 to 30-Oct-2017 (1 Days)	Outside Campus	0	250	250	0.00	5000.00	5000.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	B-Storm	Entrepreneurship/ Startup	04-Nov-2017 to 04-Nov-2017 (1 Days)	Within Campus	42	0	42	0.00	5000.00	5000.00
2017-18	Workshops / Training / Seminars / Conferences	Social Entrepreneurship	Entrepreneurship/ Startup	06-Nov-2017 to 06-Nov-2017 (1 Days)	Within Campus	60	0	60	0.00	500.00	500.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop	Innovation	28-Nov-2017 to 28-Nov-2017 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Awareness / Motivational Programs	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	02-Dec-2017 to 02-Dec-2017 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Deep Learning for Visual Computing Winter School 2017	Innovation	19-Dec-2017 to 23-Dec-2017 (5 Days)	Outside Campus	10	40	50	0.00	800000.00	800000.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	07-Jan-2018 to 07-Jan-2018 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Vichaar	Entrepreneurship/ Startup	18-Jan-2018 to 18-Jan-2018 (1 Days)	Outside Campus	45	128	173	0.00	5000.00	5000.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	24-Jan-2018 to 24-Jan-2018 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	30-Jan-2018 to 01-Feb-2018 (3 Days)	Outside Campus	4	48	52	0.00	137692.00	137692.00
2017-18	Workshops / Training / Seminars / Conferences	Global entrepreneurship summit	Entrepreneurship/ Startup	02-Feb-2018 to 04-Feb-2018 (3 Days)	Within Campus	0	1500	1500	0.00	1500000.00	1500000.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Srijan	Entrepreneurship/ Startup	03-Feb-2018 to 03-Feb-2018 (1 Days)	Within Campus	16	34	50	0.00	35000.00	35000.00

Awareness / Training / Programmes organized by the Institute

Total Annual Expenditure Incurred towards Organizing Awareness, Workshop, Seminars, Training programs etc. related to promote innovation, IPR and Entrepreneurship Development

2017-18	Workshops / Training / Seminars / Conferences	Workshop on Interdisciplinary Science Teaching on Secondary level (WISTSL)	Innovation	05-Feb-2018 to 06-Feb-2018 (2 Days)	Outside Campus	20	52	72	0.00	181525.00	181525.00
2017-18	Workshops / Training / Seminars / Conferences	ARCHITECUTRAL CONSERVATION AND HISTORIC PRESERVATION (NPTEL)	Innovation	05-Feb-2018 to 30-Mar-2018 (54 Days)	Outside Campus	5	1575	1580	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	07-Feb-2018 to 07-Feb-2018 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	08-Feb-2018 to 10-Feb-2018 (3 Days)	Outside Campus	5	55	60	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	15-Feb-2018 to 17-Feb-2018 (3 Days)	Outside Campus	5	46	51	0.00	34262.00	34262.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	21-Feb-2018 to 21-Feb-2018 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Authors workshop on scholarly Writing and Publishing	Innovation	27-Feb-2018 to 27-Feb-2018 (1 Days)	Within Campus	10	450	460	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Workshop on Active Teaching-Learning Processes	Innovation	21-Mar-2018 to 23-Mar-2018 (3 Days)	Outside Campus	5	108	113	0.00	115022.00	115022.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Impulse 2018	Innovation	24-Mar-2018 to 25-Mar-2018 (2 Days)	Within Campus	100	50	150	50000.00	50000.00	100000.00
2017-18	Workshops / Training / Seminars / Conferences	ARCHITECTURAL ACOUSTICS	Innovation	06-Aug-2018 to 07-Oct-2018 (63 Days)	Outside Campus	2	1186	1188	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Skill development entrepreneurship workshop on oyster mushroom cultivation tissue culture based plant propagation technology	Entrepreneurship/ Startup	21-Dec-2018 to 21-Dec-2018 (1 Days)	Within Campus	30	0	30	0.00	0.00	0.00

Institute's Participation in Events/ Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

Financial Year	Program Type	Program Theme	Name of Event	Organizing Agency / Institute Name	Level of Event	Type of Participants	Nos of Participants	Achievements (Awards/Recognitions/Prize, If any)	Expenditure Incurred		
									Institute Own / Internal Fund (in Rupees)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	12th Asian Congress on Biotechnology, Kuala Lumpur	The Asian Federation of Biotechnology	International	Faculty	1	Prof. S. Dey chaired a Technical Session on 'Bioeconomy and Biobusiness'	200000.00	0.00	200000.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	International Conference on Innovation and Creativity at Grassroots, IIM Ahmedabad	IIM A	International	Student	1		20000.00	0.00	20000.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	11th International Strategic management Conference, Austria, Vienna	International Strategic management Conference	International	Student	1		125000.00	0.00	125000.00
2015-16	Workshops / Training / Seminars / Conferences	Innovation	IEEE 3rd International Conference on MOOCs, Innovation Technology in Education (MITE), Amritsar, Punjab, (2015)	IEEE, Amritsar, Punjab, (2015)	International	Faculty	1		150000.00	0.00	150000.00
2015-16	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	DST - Lockheed Martin India Innovation Growth Programme	FICCI, DST, Lockheed Martin, Stanford University, Texas A&M	National	Both	5	Ranked one of the top 50 ideas for " Super-resolution reconstruction and speckle reduction for enhancement of ultrasound image "	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Innovation	5th International Conference on Innovation and Entrepreneurship 2017 Malaysia	International Conference on Innovation and Entrepreneurship, Malaysia	International	Faculty	1		150000.00	0.00	150000.00
2016-17	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	12th Biennial Conference on Entrepreneurship Ahmedabad, India	Biennial Conference on Entrepreneurship	National	Student	1		12000.00	0.00	12000.00
2016-17	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	Gandhian Young Technological Innovation Award under MLM-Frugal Innovation	BIRAC-GYTI	National	Student	30		0.00	1500000.00	1500000.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	DST - Lockheed Martin India Innovation Growth Programme	FICCI, DST, Lockheed Martin, Stanford University, Texas A&M	National	Both	10	Ranked 5th in the top 50 innovators	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/Startup	13th Asian Congress on Biotechnology	The Asian Federation of Biotechnology	International	Faculty	1	Prof. S Dey chaired a Technical Session on Bioinnovation & Bioeconomy	200000.00	0.00	200000.00

Institute's Participation in Events/ Programmes organized by the External Agencies

Total Annual Expenditure Incurred towards Supporting Students and Faculties to Participate/Present in National and International Level Innovation and Start-up Events/Competitions/Hackathons etc.

2017-18	Workshops / Training / Seminars / Conferences	Entrepreneurship/Start-up	Innovations in Biotechnology for economic development of India and Bangladesh commercializing natural fiber based SMART technical textiles	University of Dhaka, Bangladesh	International	Faculty	1		100000.00	0.00	100000.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	DRDO Robotics And Unmanned System Exposition - DRUSE	The Defence Research and Development Organisation (DRDO)	National	Student	2		25000.00	0.00	25000.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Entrepreneurship/Start-up	Abdul Kalam Technology Innovation National Fellowship	Indian National Association of Engineers (INAE)	National	Faculty	1		0.00	0.00	0.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	University Challenge of IIGP2.0 2017	FICCI, DST, Lockheed Martin, Tata Sons	National	Both	5		0.00	1000000.00	1000000.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	FICCI R And D Awards 2017 under GLOBAL R And D SUMMIT 2017	FICCI	National	Both	5		0.00	0.00	0.00

Pre-Incubation and Incubation facilities exist in-campus

Total Annual Expenditure Incurred towards Creation of Pre-Incubation and Incubation Facilities in Campus

Financial Year	Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge Name	Facility area in Sq Ft	Operational Cost of Centre (in Rupees) (Construction Cost is excluded)		
							Institute Own / Internal Fund (in Rupees)	Sponsorship / External Fund	Total Operational Cost of Centre
2015-16	Tinkering Lab	Pre-Incubation	2016	1st Floor, Dept. Electrical Engineering	Prof. Amit Patra	300	20000.00	0.00	20000.00
2015-16	Linear Algebra Cluster	Pre-Incubation	2016	N240, Dept. Electrical Engineering	Dr. Debdoot Sheet	100	150000.00	0.00	150000.00
2015-16	PAM Lab	Incubation	2015	RMSoEE Building, 1st Floor	Dr. P. K. Dan	1000	10000000.00	0.00	10000000.00
2015-16	Energy Lab	Incubation	2015	RMSoEE Building, Ground Floor	Dr. Basab Chakraborty	200	650000.00	0.00	650000.00
2016-17	'Focus Incubation Centre' sponsored by Ministry of Textiles, Government of India.	Incubation	2016	Shed no: 2, Science and Technology Entrepreneurs' Park, I.I.T Kharagpur, Vill:- Gopali P.O:- Salua P.S:- Kharagpur(L) G.P:- Gopali 5 No., Kharagpur, West Bengal 721145	Prof. Satyahari Dey	1500	0.00	120000000.00	120000000.00
2016-17	Tinkering Lab	Pre-Incubation	2016	1st Floor, Dept. Electrical Engineering	Dr. Debdoot Sheet	300	30000.00	0.00	30000.00
2016-17	Linear Algebra Cluster	Pre-Incubation	2015	N240, Dept. Electrical Engineering	Dr. Debdoot Sheet	100	200000.00	600000.00	800000.00

Pre-Incubation and Incubation facilities exist in-campus

Total Annual Expenditure Incurred towards Creation of Pre-Incubation and Incubation Facilities in Campus

2016-17	Analytics Lab	Incubation	2016	RMSoEE Building, Ground Floor	Dr. Ram Babu Roy	200	100000.00	0.00	100000.00
2017-18	Tinkering Lab	Pre-Incubation	2016	1st Floor, Dept. Electrical Engineering	Dr. Debdoot Sheet	300	50000.00	0.00	50000.00
2017-18	Linear Algebra Cluster	Pre-Incubation	2015	N240, Dept. Electrical Engineering	Dr. Debdoot Sheet	100	500000.00	1500000.00	2000000.00
2017-18	Kolkata Extension Center	Incubation	2018	Kolkata, IIT Extension center	Prof. P. P. Das	711	2093185.00	0.00	2093185.00
2017-18	Mushroom spawn laboratory for village self-help group ladies and organic oyster mushroom demo facility	Incubation	2017	Science and Technology Entrepreneurs' Park , I.I.T Kharagpur., Vill:- Gopali P.O:- Salua P.S:- Kharagpur(L) G.P Gopali 5 No Kharagpur, West Bengal 721145	Prof Satyahari Dey	000	0.00	0.00	0.00

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

Financial Year	Category	Name of Idea / Project / Innovation / Startup	Applicant Type	Academic Year of Study	Project Completion	Core Team Size (Nos)	Fund Supported				Current Status (as of 31st March 2018)
							Institution Own Seed Fund	Seed Grant from Funding Agency	Angel / Venture Capital Fund	Total Supported Amount	
2015-16	Idea to PoC / Prototype / Innovation	Development of Infrastructure for Germ-Free Gnotobiotic Mice for Screening of Psychobiotics Strains	Faculty		On Progress	1	25000000.00	0.00	0.00	25000000.00	Technology Development/Pre Incubation Phase
2015-16	Non-Patented Innovative Technology to Start-up	Catalogue Quality Improvement leveraging Seller Description (CQLS)	Faculty		Successfully Completed	1	0.00	330000.00	330000.00	660000.00	Startup under Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Social computing for e-commerce (SCEC)	Faculty		On Progress	1	0.00	1011280.00	1011280.00	2022560.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Unrestricted Grant for Research in Review Mining (URR)	Faculty		On Progress	1	0.00	2068000.00	2068000.00	4136000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Synthesizing test programs as directed test families for incremental CPU validation (TIV)	Faculty		On Progress	1	0.00	1806505.00	1806505.00	3613010.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	CS4HS (Computer Science for High Schools) (CHS)	Faculty		On Progress	1	0.00	950000.00	950000.00	1900000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Google India PhD. Fellowship Program (GFP)	Faculty		On Progress	1	0.00	3000000.00	3000000.00	6000000.00	Technology Development/Pre Incubation Phase

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

2015-16	Idea to PoC / Prototype / Innovation	Google Unrestricted Fund for Social Computing (GSC)	Faculty		On Progress	1	0.00	701820.00	0.00	701820.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	PRISM	Student	PhD & Above	On Progress	2	0.00	1200000.00	0.00	1200000.00	Startup under Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Bio-electronics Innovation Laboratory (BEI)	Faculty		On Progress	1	0.00	8010000.00	10000000.00	18010000.00	Technology Development/Pre Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Affordable and Rapid Paper-Based Test Kits for Antimicrobial Susceptibility Assays (RBK)	Faculty		On Progress	1	0.00	375000.00	1500000.00	1875000.00	Technology Development/Pre Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Unrestricted Grant for Estimation of Product Response using Temporal Modeling of Past Events (IDG)	Faculty		On Progress	1	0.00	1040000.00	1040000.00	2080000.00	Technology Development/Pre Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Review Recommendation System (RRD)	Faculty		On Progress	1	0.00	1549000.00	1549000.00	3098000.00	Technology Development/Pre Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Creation of Bengali Dependency Treebank (CBE)	Faculty		On Progress	1	0.00	2750520.00	5016000.00	7766520.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Understanding Different Pragmatic Functions Behind CodeSwitching (UFC)	Faculty		On Progress	1	0.00	415000.00	415000.00	830000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Real Time Failure Prediction System (RFT)	Faculty		On Progress	1	0.00	1275000.00	1275000.00	2550000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	PRISM	Student	Master	On Progress	4	0.00	0.00	0.00	0.00	Startup under Incubation Phase
2016-17	Non-Patented Innovative Technology to Start-up	Develop an Energy Efficient Combined Process of Microbial Fuel Cell (MFC) and Membrane Bioreactor (MBR) for High Efficiency and Reliable Treatment of Organic Wastewater (OER)	Faculty		On Progress	1	0.00	1125000.00	1500000.00	2625000.00	Technology Development/Pre Incubation Phase

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

2017-18	Non-Patented Innovative Technology to Start-up	Automating Fault Based Cryptanalysis in Secured Embedded Applications using Machine Learning (BML)	Faculty		On Progress	1	0.00	762711.00	1000000.00	1762711.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Blind Joint Equalization and Detection in Presence of Nonlinearity and Synchronization Errors for Millimeter Wave Communications (JEW)	Faculty		On Progress	1	0.00	762711.00	1000000.00	1762711.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Domain Adversarial Networks for Bridging Cross Domain Semantic Gaps in Computer Vision (NCV)	Faculty		On Progress	1	0.00	762711.00	1000000.00	1762711.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Non-Invasive, Point of Care Diagnostic System for Early Detection of Oral Cancer Using Digital Infrared Thermal Imaging (OII)	Faculty		On Progress	1	0.00	750000.00	1500000.00	2250000.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	SizeFit Recommendation in lifestyle products to potentially reduce product returns in Online Marketplaces (SFR)	Faculty		On Progress	1	0.00	325000.00	325000.00	650000.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Learning Representations from Network Data (LNN)	Faculty		On Progress	1	0.00	3600000.00	10800000.00	14400000.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	MIRIAD Many Incarnations of Screening Radiology for High Throughput Disease Screening Via Multiple Instance Reinforcement Learning with Adversarial Deep Neural Networks (NNA)	Faculty		On Progress	1	0.00	7414000.00	10392000.00	17806000.00	Technology Development/Pre Incubation Phase

Fund supported to convert ideas to Innovations & Start-ups

Total Annual Fund Supported towards Conversion of Ideas to Innovative Solutions and Start-ups at the Institute Level

2017-18	Non-Patented Innovative Technology to Start-up	Understanding and Predicting Opinion Dynamics In Collective Environment Using Deep Network Representation (AOC)	Faculty		On Progress	1	0.00	4458198.00	4458198.00	8916396.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Utilising Online Social Media for Understanding and Countering Disease Outbreak (OUAC)	Faculty		On Progress	1	0.00	1607121.00	1607121.00	3214242.00	Technology Development/Pre Incubation Phase
2017-18	Patented Innovative Technology to Start-up	Utilizing Social Media for Disaster Relief Linguistic Analysis and Matching of Resource Requests and Offers on Twitter (ULT)	Faculty		On Progress	1	0.00	801019.00	801019.00	1602038.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Abdul Kalam Technology Innovation National Fellowship (ATN)	Faculty		On Progress	1	0.00	1900000.00	5700000.00	7600000.00	Technology Development/Pre Incubation Phase
2017-18	Non-Patented Innovative Technology to Start-up	Task Force Project Proposal Drone for Vaccine Delivery (TPV)	Faculty		On Progress	1	0.00	4337400.00	6754800.00	11092200.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	PRISM	Student	Master	On Progress	4	0.00	1200000.00	0.00	1200000.00	Startup under Incubation Phase

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

Financial Year	Title of Patent	Patent Application No	Inventors Type	Type of Patent Application Filed	Current Status (as of 31st March 2018)	Amount Spent towards Patent Filing (in Rupees)		
						Institution Own Fund	Sponsorship / Grant Fund	Total Amount Spent towards Patent Filing (in Rupees)
2015-16	A THERMAL ACCELEROMETER WITH IMPROVED SENSITIVITY	201631009720	Student and Faculty	National	Application under Examination	39900.00	0.00	39900.00
2015-16	A METHOD AND SYSTEM FOR BIOMETRICALLY PROTECTING A DIGITAL OR ELECTRONIC DOCUMENT IN AN INFORMATION SYSTEM	201631009104	Student and Faculty	National	Application under Examination	49650.00	0.00	49650.00
2015-16	A Cloud Based Automatized System For On Demand And Without Service Delay Supply Of Energy To End Users	201631007632	Student and Faculty	National	Application under Examination	40550.00	0.00	40550.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2015-16	MULTI-CHANNEL NON-INVASIVE HEART SOUND ANALYSIS SYSTEM FOR HEART STATUS DETECTION	201631006468	Student and Faculty	National	Application under Examination	40350.00	0.00	40350.00
2015-16	A PERCUSSION SOUND ANALYSIS SYSTEM	201631006271	Student and Faculty	National	Application under Examination	42600.00	0.00	42600.00
2015-16	A NUTRACEUTICAL FORMULATION CONTAINING SPROGENOUS PROBIOTIC BACTERIUM WITH HIGH GERMINATION EFFICACY	201631006222	Student and Faculty	National	Application under Examination	30500.00	0.00	30500.00
2015-16	A NON-INVASIVE MULTI-CHANNEL LUNG SOUND ANALYZER FOR LUNG STATUS DETECTION	201631006090	Student and Faculty	National	Application under Examination	45800.00	0.00	45800.00
2015-16	YELLOW LACCASE MEDIATED DELIGNIFICATION OF LIGNOCELLULOSIC BIOMASS	201631005954	Student and Faculty	National	Application under Examination	38800.00	0.00	38800.00
2015-16	METHOD AND SYSTEM FOR RECONSTRUCTION OF MOVING VOIDS	201631003910	Student and Faculty	National	Application under Examination	50950.00	0.00	50950.00
2015-16	HYDROGEL SCAFFOLD COMPRISING ALGINATE-CHITOSAN LAYERED COMPOSITE, BLENDED GEL MATRIX WITH EMBEDDED VOIDS AND TUNABLE DIMENSIONS	201631002215	Student and Faculty	National	Application under Examination	51500.00	0.00	51500.00
2015-16	SUBSTRATE INTEGRATED WAVEGUIDE MONOPOLE ANTENNA	201631001532	Student and Faculty	National	Application under Examination	39250.00	0.00	39250.00
2015-16	THERMAL ACCELEROMETER WITH ACTIVE TEMPERATURE SENSOR	201631001531	Student and Faculty	National	Application under Examination	42300.00	0.00	42300.00
2015-16	PKI ENABLED TIME STAMPED DIGITAL SIGNING SYSTEM INVOLVING CERTIFICATION AUTHORITY ISSUED DIGITAL CERTIFICATE CRYPTOGRAPHIC TOKEN WITH REAL-TIME REVOCATION VERIFICATION.	201631001328	Student and Faculty	National	Application under Examination	44650.00	0.00	44650.00
2015-16	OAT MILK BASED INSTANT SOLUBLE(EFFERVESCENT) TEA TABLETS AND A METHOD FOR ITS PRODUCTION	201631000107	Student and Faculty	National	Application under Examination	40000.00	0.00	40000.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2015-16	A privacy-aware system to render ambulatory healthcare system using Wireless Body Area Networks (WBAN)	201631000214	Student and Faculty	National	Application under Examination	39400.00	0.00	39400.00
2015-16	PREPARATION OF NANOPARTICLES DERIVED FROM CATARACTOUS EYE PROTEIN ISOLATE	201631000088	Student and Faculty	National	Application under Examination	64000.00	0.00	64000.00
2015-16	AN IMPROVED CARBON ELECTRODE FOR ELECTRIC DOUBLE LAYER CAPACITOR DEVICES AND A METHOD OF FABRICATING SAID IMPROVED CARBON ELECTRODE	201631000006	Student and Faculty	National	Application under Examination	48850.00	0.00	48850.00
2015-16	AN INTEGRATED SIGNAL ACQUISITION CUM CONDITIONING SYSTEM	1302/KOL/2015	Student and Faculty	National	Application under Examination	41500.00	0.00	41500.00
2015-16	SYSTEM AND METHOD FOR AUTOMATIC SYNTHETIC SPEECH DETECTION FOR SPEECH-BASED BIOMETRIC AUTHENTICATION	1241/KOL/2015	Student and Faculty	National	Application under Examination	51250.00	0.00	51250.00
2015-16	CHIRONJI (BUCHANANIA LANZAN) NUT DECORTICATING MACHINE	1245/KOL/2015	Student and Faculty	National	Application under Examination	59750.00	0.00	59750.00
2015-16	A METHOD AND SYSTEM FOR DETECTION OF VOICE or NON-VOICE REGIONS OF SPEECH IN A SPEECH SIGNAL	1237/KOL/2015	Student and Faculty	National	Application under Examination	42750.00	0.00	42750.00
2015-16	PNEUMATIC SYSTEM AND MACHINE FOR POLISHING OF GRAINS	1238/KOL/2015	Student and Faculty	National	Application under Examination	49350.00	0.00	49350.00
2015-16	SYSTEM AND METHOD FOR SPRAYING LIQUID CHEMICAL ON OBJECTS USING ULTRASONIC SENSOR	1167/KOL/2015	Student and Faculty	National	Application under Examination	52550.00	0.00	52550.00
2015-16	A LOW COMPLEXITY GENERALIZED FREQUENCY DIVISION MULTIPLEXING TRANSCEIVER	1018/KOL/2015	Jointly with Industry	National	Application under Examination	35175.00	35175.00	70350.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2015-16	AUTOCALIBRATED DELTA-SIGMA FACTIONAL-N FREQUENCY SYNTHESIZERS WITH LOOP BANDWIDTH CALIBRATION AND PHASE NOISE CACELLATION USING PFD or DAC UNIT CURRENT CELL	1004/KOL/2015	Student and Faculty	National	Application under Examination	68100.00	0.00	68100.00
2015-16	A MICRO-REACTOR BASED ENERGY EFFICIENT PROCESS FOR ENZYMATIC HYDROLYSIS OF LIGNOCELLULOSIC SUBSTRATE AND FOR BIOETHANOL PRODUCTION	961/KOL/2015	Student and Faculty	National	Application under Examination	43350.00	0.00	43350.00
2015-16	SYSTEM AND METHOD FOR DYNAMIC PARTIAL RECONFIGURATION OF CIRCUITS MAPPED OR CONFIGURED ON FPGA PLATFORM.	806/KOL/2015	Student and Faculty	National	Application under Examination	46000.00	0.00	46000.00
2015-16	SEPARATOR-COLLECTOR FOR THIN OIL LAYERS FLOATING ON WATER	795/KOL/2015	Student and Faculty	National	Application under Examination	55750.00	0.00	55750.00
2015-16	AN ULTRA LOW POWER TRANSMITTER FOR BIOMEDICAL WIRELESS SENSOR NODES INCLUDING MICS BAND APPLICATIONS	788/KOL/2015	Student and Faculty	National	Application under Examination	72600.00	0.00	72600.00
2015-16	CARDO POLY(ETHER IMIDE)S AND MEMBRANES THEREOF FOR EFFICIENT GAS SEPARATION	782/KOL/2015	Student and Faculty	National	Application under Examination	48700.00	0.00	48700.00
2015-16	STABLE HYBRID POLYMER ADAPTED FOR SUPERHYDROPHOBICITY AND PROCESS FOR MANUFACTURE THEREOF	758/KOL/2015	Student and Faculty	National	Application under Examination	58150.00	0.00	58150.00
2015-16	RECONSTITUTED RICE GRAINS AND ITS PROCESS OF MANUFACTURE	699/KOL/2015	Student and Faculty	National	Application under Examination	45100.00	0.00	45100.00
2015-16	A PAPER-AND-PENCIL-BASED DIAGNOSTIC KIT FOR READY AND SIMULTANEOUS DETECTION OF ONE OR MULTIPLE ANALYTES.	701/KOL/2015	Student and Faculty	National	Application under Examination	39100.00	0.00	39100.00
2015-16	System for cytoreduction of circulating cancer cells from blood and a method thereof	686/KOL/2015	Student and Faculty	National	Application under Examination	44900.00	0.00	44900.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2015-16	POLYPHENOLIC HYDROGEL PREPARATION	620/KOL/2015	Student and Faculty	National	Application under Examination	46100.00	0.00	46100.00
2015-16	SYSTEM FOR REAL-TIME MOTION ESTIMATION IN VIDEO SIGNALS	484/KOL/2015	Student and Faculty	National	Application under Examination	55400.00	0.00	55400.00
2015-16	A SUBMERSIBLE PRESSURE HULL ADAPTED FOR COMPRESSIVE FORCES IN DEEP SEA OPERATIONS AND ITS METHOD OF MANUFACTURE USING ADDITIVE MANUFACTURING PROCESS	472/KOL/2015	Student and Faculty	National	Application under Examination	46150.00	0.00	46150.00
2015-16	A SYSTEM FOR SIMULTANEOUS TREATMENT OF WASTEWATER AND WASTEGAS USING A MICROBIAL CARBON CAPTURE CELL REACTOR	471/KOL/2015	Student and Faculty	National	Application under Examination	47750.00	0.00	47750.00
2015-16	A PRECODED GENERALIZED FREQUENCY DIVISION MULTIPLEXING SYSTEM	453/KOL/2015	Student and Faculty	National	Application under Examination	73100.00	0.00	73100.00
2015-16	BIOMASS BASED CARBON NANODOTS (CND) FOR LONG TERM LIVE CELL TRACKING	439/KOL/2015	Student and Faculty	National	Application under Examination	41000.00	0.00	41000.00
2015-16	AN ADVERSE ENVIRONMENTAL EFFECT RESISTANT SEAMLESS WIRELESS SENSOR NETWORK SYSTEM	425/KOL/2015	Student and Faculty	National	Application under Examination	42900.00	0.00	42900.00
2015-16	TITANIUM MODIFIED 9percent CR STEEL FOR HIGH TEMPERATURE APPLICATION AND METHOD OF PRODUCTION THEREOF	394/KOL/2015	Student and Faculty	National	Application under Examination	57250.00	0.00	57250.00
2015-16	NET SHAPE FORMING VIA PLASTIC DOUGH PROCESSING OF POLYMER-METAL POWDER BLEND AND APPLICATIONS THEREOF	14939605	Student and Faculty	International	Application under Examination	85910.00	0.00	85910.00
2016-17	A BIOCOMPATIBLE THERAPEUTIC SUBSTRATE COMPRISING NATURAL POLYMER BASED BIOCOMPATIBLE FORMULATION	201631029917	Student and Faculty	National	Application under Examination	46650.00	0.00	46650.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2016-17	FLEXIBLE MICRO SENSORS COMPRISING PRESRETCHED RIDGE BASED MICROPATTERNED SENSORS AND A PROCESS FOR PRODUCING THE SAME	201631027546	Student and Faculty	National	Application under Examination	20800.00	0.00	20800.00
2016-17	AUTONOMUS TWO-WHEELER WITH DUAL MODE OF LOCOMOTION	201631025904	Student and Faculty	National	Application under Examination	41700.00	0.00	41700.00
2016-17	ACETABULAR CUP IMPLANT AND A METHOD FOR ADDITIVE MANUFACTURING OF THE SAME BASED ON GEODESICAL DOME APPROACH WITH CONTINUOUS RADIALLY GRADED POROSITY	201631025559	Student and Faculty	National	Application under Examination	20800.00	0.00	20800.00
2016-17	A PORTABLE PAPER-BASED MICROFLUIDIC PLATFORM FOR RAPID DIAGNOSIS OF ANTIMICROBIAL SUSCEPTIBILITY ASSAYS	201631023867	Student and Faculty	National	Application under Examination	42150.00	0.00	42150.00
2016-17	A METHOD OF EXTRACTION OF REFRACTORY SULPHUR COMPOUNDS FROM FUEL	201631023708	Student and Faculty	National	Application under Examination	40400.00	0.00	40400.00
2016-17	AMINO ACID DERIVED LOW MOLECULAR MASS GELATOR AND USES THEREOF	201631021866	Student and Faculty	National	Application Published	43000.00	0.00	43000.00
2016-17	A COUNTER ROTATING PIN AND SHOULDER TOOL ARRANGEMENT FOR FRICTION STIR WELD SYSTEM	201631016398	Student and Faculty	National	Application under Examination	45950.00	0.00	45950.00
2016-17	PREPARATION OF POROUS STRUCTURES WITH CONTROLLED AND CONTINUOUS VARIATION BY ADDITIVE MANUFACTURING	201631013286	Student and Faculty	National	Application under Examination	29400.00	0.00	29400.00
2016-17	HUMIDITY SENSOR BASED ON NANO-COMPOSITE SENSING LAYERS AND METHOD OF FABRICATION THEREOF	201731010676	Student and Faculty	National	Application Published	27000.00	0.00	27000.00
2016-17	RAPID CASHEW KERNEL CONDITIONING MACHINE AND METHOD THEREOF	201731008963	Student and Faculty	National	Application Published	27000.00	0.00	27000.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2016-17	A CNT-EPOXY NANOPARTICLE BASED FRACTIONAL CAPACITOR AND A METHOD FOR FABRICATING THE SAME	201631042210	Student and Faculty	National	Application under Examination	50300.00	0.00	50300.00
2016-17	BRUSHLESS INDUCTION EXCITED SYNCHRONOUS GENERATOR	201631039892	Student and Faculty	National	Application Published	39000.00	0.00	39000.00
2016-17	PROCESS OF PRODUCTION OF BIOFUEL PRECURSORS FROM SUNN HEMP	201631036686	Student and Faculty	National	Application under Examination	52600.00	0.00	52600.00
2016-17	A PROCESS FOR DEVELOPING A GREEN ELASTOMERIC COMPOSITE WITH IMPROVED PROPERTIES	201631034168	Student and Faculty	National	Application under Examination	44600.00	0.00	44600.00
2017-18	Customized biodegradable flexible nano fabricated intra-uterine contraceptive device (IUCD) (COPPER FREE, NON HORMONAL)	201831011943	Student and Faculty	National	Provisional/Complete Specification	51250.00	0.00	51250.00
2017-18	WIRE BONDING TECHNIQUE FOR MICRO-ELECTROMECHANICAL SYSTEMS AND MICRO-DEVICES	201831010469	Student and Faculty	National	Provisional/Complete Specification	14550.00	0.00	14550.00
2017-18	MULTI-COMPONENT FORCE MEASUREMENT AND DATA ACQUISITION SYSTEM	201831009792	Student and Faculty	National	Provisional/Complete Specification	25950.00	0.00	25950.00
2017-18	A SYSTEM FOR MICRO ELECTRO DISCHARGE DRILLING INCLUDING TOOL WEAR COMPENSATION AND A METHOD THEREOF	201831007946	Student and Faculty	National	Provisional/Complete Specification	49400.00	0.00	49400.00
2017-18	ORGANIC FIELD-EFFECT TRANSISTOR BASED TEMPERATURE SENSOR FOR DIFFERENT TEMPERATURE SENSING APPLICATIONS	201831004408	Student and Faculty	National	Provisional/Complete Specification	28900.00	0.00	28900.00
2017-18	SYSTEM AND METHOD FOR MONITORING DROWSINESS OF ONE OR MORE OPERATOR INDIVIDUALS OF INDUSTRIAL EQUIPMENTS or MEANS or PROCESS AND LIKE	201831004156	Student and Faculty	National	Provisional/Complete Specification	13950.00	0.00	13950.00
2017-18	A SINGLE DC SOURCE DRIVEN ASYMMETRIC MULTILEVEL INVERTER	201831003729	Student and Faculty	National	Provisional/Complete Specification	28700.00	0.00	28700.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2017-18	SIW Technology Based Broadband millimeter-wave Ridged Pyramidal Horn Antenna	201831003527	Student and Faculty	National	Provisional/Complete Specification	21350.00	0.00	21350.00
2017-18	Immunohistochemical Scope	201831002938	Student and Faculty	National	Provisional/Complete Specification	31300.00	0.00	31300.00
2017-18	A SCREENING TOOL FOR AUTOMATED DETECTION OF MACROCALCIFICATION... .MAMMOGRAMS	201831002351	Student and Faculty	National	Provisional/Complete Specification	51750.00	0.00	51750.00
2017-18	Intelli Z Card - A non-invasive diagnostic tool for predicting structural coronary arterial blockages and functional hemodynamic parameters in healthy and coronary artery diseased subjects.	201831001822	Student and Faculty	National	Provisional/Complete Specification	38000.00	0.00	38000.00
2017-18	SYSTEM AND METHODS USING SEARCH WINDOW DIRECTION-SKIP AND AREA-SKIP MECHANISMS FOR.....ESTIMATION OF HEVC	201831001124	Student and Faculty	National	Provisional/Complete Specification	43300.00	0.00	43300.00
2017-18	DEVELOPMENT OF ECONOMICAL BILAYER NANOFIBROUS WOUND DRESSING FOR ACUTE or BURN WOUND MANAGEMENT	201831001151	Student and Faculty	National	Provisional/Complete Specification	28900.00	0.00	28900.00
2017-18	POWERED POTTERY WHEEL SYSTEM SUITABLE FOR CONTINUOUS PRODUCTION OF LARGE EARTHEN POTS	201831001018	Student and Faculty	National	Provisional/Complete Specification	17300.00	0.00	17300.00
2017-18	Onboard Operational Compression System for Space Applications	201831000646	Jointly with Industry	National	Provisional/Complete Specification	7100.00	7100.00	14200.00
2017-18	HYBRID ASYMMETRICAL MULTILEVEL INVERTER	201731046611	Student and Faculty	National	Provisional/Complete Specification	0.00	26500.00	26500.00
2017-18	COMPLEXITY REDUCTION IN FULL SEARCH MOTION ESTIMATION OF HIGH EFFICIENCY VIDEO CODING	201731046348	Student and Faculty	National	Provisional/Complete Specification	36900.00	0.00	36900.00
2017-18	A Generalised FFT-IFFT Structure Based Frequency Division Multiplexing Transceiver	201731045300	Student and Faculty	National	Provisional/Complete Specification	29050.00	0.00	29050.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2017-18	TWO ELECTRODE IMPEDEOMETRY BASED SYSTEM FOR MEASURING CONDUCTIVITY OF LIQUID MEDIUM	201731041880	Student and Faculty	National	Provisional/Complete Specification	59900.00	0.00	59900.00
2017-18	Portable Doppler Ultrasound System	201731038737	Student and Faculty	National	Provisional/Complete Specification	26500.00	0.00	26500.00
2017-18	Add-on kit for doing cost effective, energy efficient, rapid, solid-state friction sintering on vertical milling or drilling or friction stir welding machines	201731037839	Student and Faculty	National	Provisional/Complete Specification	30250.00	0.00	30250.00
2017-18	A Novel hyper active alpha-amylase production process from Bacillus amyloliquefaciens and its unique applications in viscosity reduction and improved ethanol production	201731036265	Student and Faculty	National	Provisional/Complete Specification	25100.00	0.00	25100.00
2017-18	PROCESS OF PREPARING CHEMICALLY TREATED CARBONIZED BONE MEAL	201731035806	Student and Faculty	National	Provisional/Complete Specification	48900.00	0.00	48900.00
2017-18	A SYSTEM FOR SENSING AND INDICATING CHOKING OF BOOTS OF A SEED DRILL	201731034065	Student and Faculty	National	Provisional/Complete Specification	19150.00	0.00	19150.00
2017-18	FLUORESCENT CHIRAL CARBON DOTS AND ONE-POT SYNTHESIS OF THE SAME	201731033793	Student and Faculty	National	Provisional/Complete Specification	24400.00	0.00	24400.00
2017-18	A method for fabricating a portable colloidal array	201731033743	Student and Faculty	National	Provisional/Complete Specification	28100.00	0.00	28100.00
2017-18	A PROCESS FOR PURIFICATION OF GRAPHENE OXIDE	201731033688	Student and Faculty	National	Provisional/Complete Specification	24400.00	0.00	24400.00
2017-18	Synchronous machines with embedded brushless synchronous exciter	201731033722	Student and Faculty	National	Provisional/Complete Specification	0.00	29700.00	29700.00
2017-18	A DYNAMIC VOLTAGE SCALING ENABLED PER CLUSTER or CORE ULTRA-FAST POWER SUPPLY SYSTEM FOR MULTI-CORE PROCESSORS	201731032852	Student and Faculty	National	Provisional/Complete Specification	19200.00	0.00	19200.00
2017-18	A Smart Irrigation Management System using Wireless Sensor Networks	201731031610	Student and Faculty	National	Provisional/Complete Specification	63700.00	0.00	63700.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2017-18	METHOD AND SYSTEM FOR JOINT TRAINING SEQUENCES DESIGN FOR CORRELATED CHANNEL AND FREQUENCY OFFSETS ESTIMATION	201731030425	Student and Faculty	National	Provisional/Complete Specification	111900.00	0.00	111900.00
2017-18	Systematic Distributor	201731029765	Student and Faculty	National	Provisional/Complete Specification	41900.00	0.00	41900.00
2017-18	A system and Method to determine LOD of adulterants (common salt, neutralizer detergent) in milk	201731029231	Student and Faculty	National	Provisional/Complete Specification	17900.00	0.00	17900.00
2017-18	SYSTEM AND METHOD FOR QUALITY OF EXPERIENCE ENHANCEMENT OF ADAPTIVE STREAMING OVER HYPERTEXT TRANSFER PROTOCOL	201731028726	Student and Faculty	National	Provisional/Complete Specification	69900.00	0.00	69900.00
2017-18	System of carrier frequency offset estimation for interception of unknown CPM and CPFSK modulated signals	201731026707	Student and Faculty	National	Provisional/Complete Specification	28900.00	0.00	28900.00
2017-18	A Novel Multiplexer based arbitersphysically unclonable function composition with enhanced reliability and security	201731026630	Student and Faculty	National	Provisional/Complete Specification	19300.00	0.00	19300.00
2017-18	Development of light-weight, Type 4 CNG pressure vessel of 70 litre capacity	201711023929	Jointly with Industry	National	Provisional/Complete Specification	0.00	79400.00	79400.00
2017-18	BIOACTIVE TITANUM AND , OR ALLOY BASED NANOSTRUCTURES	201711023608	Jointly with Industry	National	Provisional/Complete Specification	0.00	0.00	0.00
2017-18	PROCESS FOR DE-BITTERING CITRUS FRUIT JUICE	201731019515	Student and Faculty	National	Provisional/Complete Specification	17150.00	0.00	17150.00
2017-18	FAULT TOLERANT VOLTAGE SOURCE CONVERTER SYSTEM	201731018873	Student and Faculty	National	Provisional/Complete Specification	0.00	18050.00	18050.00
2017-18	A GREEN TACKIFIER GRAFTED DIENE RUBBERY MACROMOLECULE AND COMPOSITIONS	201731018652	Student and Faculty	National	Provisional/Complete Specification	32000.00	0.00	32000.00
2017-18	RUBBER TRACKED WALKING TRACTOR	201731018451	Student and Faculty	National	Provisional/Complete Specification	25750.00	0.00	25750.00
2017-18	CREATION OF WRINKLED ADHESIVE SURFACE BY THERMAL ANNEALING	201731018291	Student and Faculty	National	Provisional/Complete Specification	14100.00	0.00	14100.00

Intellectual Properties Filed

Total Annual Expenditure Spent towards Patent filing of Innovative Technologies with Institute having Ownership

2017-18	A Method of Fabrication of Tunable Nano Patterns by Controlled Detachment of Soft Elastic Films from a Single Master and a Lithographic System thereof	201731017800	Student and Faculty	National	Provisional/Complete Specification	41900.00	0.00	41900.00
2017-18	UNIVERSAL TENSIO METER READER	201731017088	Student and Faculty	National	Provisional/Complete Specification	17750.00	0.00	17750.00
2017-18	UNIVERSAL ELECTRONIC CIRCUIT NODE FOR SUPPORTING MULTIPLE HETEROGENEOUS SENSORS AND ACTUATORS CONCURRENTLY	201731015829	Student and Faculty	National	Provisional/Complete Specification	31700.00	0.00	31700.00
2017-18	PathoQuant-A PORTABLE SYSTEM FOR MICROSCOPIC IMAGE ACQUISITION UNDER LOW RESOURCE FRAMEWORK FOR HISTOLOGICAL EVALUATION.	201731015370	Student and Faculty	National	Provisional/Complete Specification	39650.00	0.00	39650.00
2017-18	PROTEIN FILMS MADE FROM CATARACTOUS EYE PROTEIN	201733014122	Student and Faculty	National	Provisional/Complete Specification	27400.00	0.00	27400.00
2017-18	A TRACTOR DRAWN ROTA-CULTIVATOR FOR BETTER SOIL TILTH	201831001708	Student and Faculty	National	Provisional/Complete Specification	17600.00	0.00	17600.00

Innovations Commercialized and IP Licensed

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

Financial Year of Commercialization	Name of the Innovative Technology Commercialized/Transferred	Patent No	Type of Patent	Year of Patent Issued	Conversion of Patent / Innovative Technologies to Commercialization		Total Amount Spent towards Patent Maintenance & Commercialization Expenses (in Rupees) (As of 31st March 2018)		Total Revenue Amount from Commercialization of Technologies (General Consultancy and Testing Services Fee Excluded)			
					Mode of Commercialization	Name of Agency / Org / Industry / Start-up Adopted Technology	Institute Own/Internal Fund (in Rupees)	Sponsorship / Grant Fund	Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	Patent Licensing and Royalty	Technology Transfer/Turnkey Project	Total Revenue Generated (As of 31st March 2018)
2015-16	Establishment of a commercial tissue culture facility in Konnagar West Bengal Krishi Rasayan Pvt Ltd also transferred disease free potato cultures to the industry	00	National	2016	Licensing to Industry	Krishi Rasayan Pvt. Ltd.	0.00	0.00	0.00	400000.00	0.00	400000.00

Innovations Commercialized and IP Licensed

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

2015-16	METHOD OF MAKING CONCRETE UNITS INSIDE CELLS OF PLASTIC SHEETS	00	National	2015	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	0.00	Patent Licensing and Royalty	0.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	Various State Govt. of India	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00
							Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	0.00	Total Revenue Generated (As of 31st March 2018)	0.00
2016-17	Innovative Pouching Packaging of Tissue Cultured Plantlet for Trial in Field	00	National	2016	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	0.00	Patent Licensing and Royalty	100000.00
Name of Agency / Org / Industry / Start-up Adopted Technology	Eco Yes Technologies Pvt. Ltd.	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00					
		Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	0.00	Total Revenue Generated (As of 31st March 2018)	100000.00					
2016-17	System for cyto-reduction of circulating cancer cells from blood and a method thereof	00	National	2016	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	44900.00	Patent Licensing and Royalty	100000.00
Name of Agency / Org / Industry / Start-up Adopted Technology	M/s Alacris Research and Development Pvt. Ltd., Gujarat	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00					
		Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	44900.00	Total Revenue Generated (As of 31st March 2018)	100000.00					
2016-17	ARSENIC FREE WATER FILTER	00	National	2017	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	16860.00	Patent Licensing and Royalty	2000000.00
Name of Agency / Org / Industry / Start-up Adopted Technology	Mondal Precision Pvt. Ltd., Howrah	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00					
		Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	16860.00	Total Revenue Generated (As of 31st March 2018)	2000000.00					

Innovations Commercialized and IP Licensed

Total Annual Expenditure Incurred and Revenue Generated from IP Commercialization and Licensing at Institute Level (Excluding Consultancy and Testing Services)

2016-17	Ready-to-Eat (RTE) Nutrient and Energy Rich Food Paste for SAM Children and its Manufacture	00	National	2017	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	73800.00	Patent Licensing and Royalty	3000000.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	Rasi Nutri Foods, Tamilnadu	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00
							Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	73800.00	Total Revenue Generated (As of 31st March 2018)	3000000.00
2017-18	Tissue cultured banana production protocol leading to collaborative banana plantation	00	National	2017	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	0.00	Patent Licensing and Royalty	0.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	M/s Synthetic Moulders Ltd.	Sponsorship / Grant Fund	0.00	Technology Transfer/Turnkey Project	0.00
							Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	0.00	Total Revenue Generated (As of 31st March 2018)	0.00
2017-18	Handbook for CUSTOMIZING MASS HOUSING-ADAPTIVE AND FLEXIBLE GRAMMAR FOR TROPICAL WET AND DRY CLIMATIC ZONES OF WEST BENGAL AND ODISHA	00	National	2018	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	0.00	Patent Licensing and Royalty	0.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	HUDCO LTD,Human Settlement Management Institute	Sponsorship / Grant Fund	1287000.00	Technology Transfer/Turnkey Project	0.00
							Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	1287000.00	Total Revenue Generated (As of 31st March 2018)	0.00
2017-18	A Novel hyper active alpha-amylase production process from Bacillus amyloliquefaciens and its unique applications in viscosity reduction and improved ethanol production	00	National	2018	Mode of Commercialization	Licensing to Industry	Institute Own/Internal Fund (in Rupees)	25100.00	Patent Licensing and Royalty	2500000.00
					Name of Agency / Org / Industry / Start-up Adopted Technology	M/S IFB Agro Industries Ltd.	Sponsorship / Grant Fund	1287000.00	Technology Transfer/Turnkey Project	0.00
							Total Amount Spent towards Patent Maintenance and Commercialization Expenses (in Rupees) as of 31st March 2018	1312100.00	Total Revenue Generated (As of 31st March 2018)	2500000.00

Grant / Fund Generated / Received by Institute to support Innovation & Start-up

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

Financial Year of Fund Generated	Grant Agency Type	Grant Agency Name	Total Grant Period	Total Grant Allocated Amount (in Rupees)	Total Grant Received Amount (in Rupees) (as of 31st March 2018)	Purpose of Grant Utilization (Multiple options can be selected)	Purpose of Grant Utilization (Other)
2015-16	Non-Government	Arjun Malhotra endowment to IIT Kharagpur	5	10000000.00	10000000.00	Other	Infrastructure creation

Grant / Fund Generated / Received by Institute to support Innovation & Start-up

Total Annual Grant / Fund Generated / Received / Mobilized from Govt., Non Govt. and Private Agencies towards Creation of Pre-Incubation and Incubation Infrastructure and Facilities in Campus

2015-16	Government	MHRD,GOVERNMENT OF INDIA	4	100000000.00	25487473.00	Seed Fund / Investment Support to Innovation/Startups	---
2015-16	Government	Department of Scientific and Industrial Research (DSIR)	1	1200000.00	940000.00	Other	For running TePP Outreach cum Cluster Innovation Centre (TOCIC) at IIT Kharagpur
2016-17	Government	Ministry of Food Processing Industries (MoFPI), New Delhi	4	40000000.00	40000000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2016-17	Government	MHRD, Department of higher education, New Delhi, and Ministry of Health and Family Welfare	3	14755000.00	14755000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2016-17	Government	MHRD,GOVERNMENT OF INDIA	3	1800000.00	1083214.00	Training and Capacity Development on Innovation/Startup	---
2016-17	Government	MHRD,GOVERNMENT OF INDIA	3	1234017200.00	356635200.00	Seed Fund / Investment Support to Innovation/Startups	---
2016-17	Government	Ministry of Textiles, Mumbai	3	69800000.00	34900000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2016-17	Government	Ministry of Textiles, Mumbai	3	51200000.00	60500000.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2016-17	Government	Department of Scientific and Industrial Research (DSIR)	1	0.00	328000.00	Other	TePP
2017-18	Government	Ministry of Human Resource Development (MHRD)	4	52000000.00	0.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2017-18	Government	Ministry of Human Resource Development (MHRD) and Science and Engineering Board (SERB)	3	15767890.00	0.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2017-18	Government	DST - FIST	3	0.00	0.00	Pre-Incubation & Incubation Facility/Infrastructure Creation	---
2017-18	Industry / CSR	Department of Heavy Industries (DHI) Heavy Engineering Corporation Tata Steel Ltd Bharat Heavy Electrical Ltd. Tata Motors Ltd. Tata Sons Ltd.	5	248700000.00	167732000.00	Seed Fund / Investment Support to Innovation/Startups	---
2017-18	Government	Department of Scientific and Industrial Research (DSIR)	1	1200000.00	1320000.00	Other	TePP

Venture Fund / Investment mobilized to support Innovation & Start-up

Total Angel/Venture Fund Mobilized Annually towards Investment Commitment/Support Innovators/Start-ups incubated at Institute

Financial Year	Investor Type	Amount Committed / Lined Up (in Rupees)	Total Number of Successful Investments in Ideas / Innovation / Start-ups	Total Amount Invested
2015-16	Institute / Incubator's Own Investment Fund, if any	10000000.00	0	3258656.00
2015-16	Institute / Incubator's Own Investment Fund, if any	2400000.00	2	1500000.00
2016-17	Institute / Incubator's Own Investment Fund, if any	69800000.00	0	28429100.00
2016-17	Institute / Incubator's Own Investment Fund, if any	13936000.00	4	2436000.00

Venture Fund / Investment mobilized to support Innovation & Start-up

Total Angel/Venture Fund Mobilized Annually towards Investment Commitment/Support Innovators/Start-ups incubated at Institute

2016-17	Institute / Incubator's Own Investment Fund, if any	60500000.00	0	36072700.00
2017-18	Institute / Incubator's Own Investment Fund, if any	2000000.00	0	0.00

Revenue Generated from Incubation Services offered by the Institute

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

Financial Year of Revenue Generated	Name of the Startup	Startup lead by	Current Phase of Startup	Revenue Generated from Incubation			
				From Rental / Advisory / Training Services (in Rupees)	Equity / Share Percentage (%) in Startup	From Equity/Share held in Startup (in Rupees)	Total Revenue Generated (in Rupees)
2015-16	Capillary Technologies Pvt. Ltd.	Alumni	Graduated from Incubation	0.00	0	56500000.00	56500000.00
2015-16	Consolidate (Total Receipt)	Alumni	Graduated from Incubation	3447412.00	0	0.00	3447412.00
2016-17	Nucleodyne Computer Systems Pvt.Ltd.	Faculty	Graduated from Incubation	36852.00	0	0.00	36852.00
2016-17	Perfecist Technologies Pvt. Ltd.	Student	Graduated from Incubation	49800.00	0	0.00	49800.00
2016-17	Sankalp Semiconductor Pvt Ltd.	Student	Graduated from Incubation	13800.00	0	0.00	13800.00
2016-17	SG ArtHeart Pvt. Ltd.	Faculty	Graduated from Incubation	59982.00	0	0.00	59982.00
2016-17	Avalanche Automation Pvt. Ltd.	Student	Graduated from Incubation	8000.00	0	0.00	8000.00
2016-17	Technoquips Separation Pvt.Ltd.	Student	Graduated from Incubation	4426.00	0	0.00	4426.00
2016-17	Centre For Advanced Communication	Team from Outside of the Institution	Graduated from Incubation	128428.00	0	0.00	128428.00
2016-17	KE Technical Textile Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	207900.00	0	0.00	207900.00
2016-17	Electro Thermal Insulation	Team from Outside of the Institution	Graduated from Incubation	84065.00	0	0.00	84065.00
2016-17	Vas Bros Enterprises Pvt. Ltd.	Alumni	Graduated from Incubation	656112.00	0	0.00	656112.00
2016-17	Chlorophyll Energy Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	34169.00	0	0.00	34169.00
2016-17	Eco Yes Technologies Pvt. Ltd.	Alumni	Receiving Incubation	20000.00	0	0.00	20000.00
2016-17	Cyanberg Technology Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	10000.00	0	0.00	10000.00
2016-17	Embedding Security & Privacy Pvt. Ltd.	Faculty	Graduated from Incubation	44000.00	0	0.00	44000.00
2016-17	GreenInfra Creations Pvt. Ltd.	Faculty	Receiving Incubation	96440.00	0	0.00	96440.00
2016-17	MAGNOX Technologies Pvt Ltd.	Team from Outside of the Institution	Graduated from Incubation	4000.00	0	0.00	4000.00
2016-17	Mobile Plus Pvt.Ltd.	Alumni	Graduated from Incubation	19001.00	0	0.00	19001.00
2016-17	SkinCurate Research Pvt. Ltd.	Faculty	Graduated from Incubation	30000.00	0	0.00	30000.00
2016-17	Suncraft Energy Pvt. Ltd.	Alumni	Graduated from Incubation	14000.00	0	0.00	14000.00
2016-17	Systron Technologies Pvt. Ltd.	Student	Graduated from Incubation	20000.00	0	0.00	20000.00

Revenue Generated from Incubation Services offered by the Institute

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

2016-17	Unlax Consumers Solutions Pvt. Ltd.	Alumni	Graduated from Incubation	33828.00	0	0.00	33828.00
2016-17	Vejovis Healthcare Solutions Pvt. Ltd.	Student	Graduated from Incubation	14000.00	0	0.00	14000.00
2016-17	Amnivor Medicare Pvt.Ltd.	Faculty	Graduated from Incubation	178412.00	0	0.00	178412.00
2016-17	Electro Soft Consultants	Alumni	Graduated from Incubation	57362.00	0	0.00	57362.00
2016-17	Electrosoft Services	Alumni	Graduated from Incubation	59451.00	0	0.00	59451.00
2016-17	Ikure Techsoft Pvt.Ltd.	Team from Outside of the Institution	Graduated from Incubation	33326.00	0	0.00	33326.00
2016-17	Itobuz Technology Pvt. Ltd.	Alumni	Graduated from Incubation	10000.00	0	0.00	10000.00
2016-17	EBIW SmartTech Pvt. Ltd.	Team from Outside of the Institution	Receiving Incubation	71744.00	0	0.00	71744.00
2016-17	Searchlight Mediatech Pvt. Ltd.	Team from Outside of the Institution	Receiving Incubation	38440.00	0	0.00	38440.00
2016-17	SRP Nutiment Pvt. Ltd.	Faculty	Receiving Incubation	76674.00	0	0.00	76674.00
2016-17	AgNext Technologies Pvt. Ltd.	Alumni	Receiving Incubation	44700.00	0	0.00	44700.00
2016-17	SpaceGrid Remote Sensing and Monitoring Services Pvt. Ltd.	Alumni	Graduated from Incubation	40400.00	0	0.00	40400.00
2016-17	A2 Advance Automation Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	55600.00	0	0.00	55600.00
2016-17	M/s. Synthetic Moulders Ltd.	Team from Outside of the Institution	Receiving Incubation	173500.00	0	0.00	173500.00
2016-17	Emsig Technologies Pvt Ltd.	Faculty	Graduated from Incubation	4000.00	0	0.00	4000.00
2016-17	Elena Geo Systems Pvt. Ltd.	Student	Graduated from Incubation	40000.00	0	0.00	40000.00
2016-17	Advenio Technosys Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	26000.00	0	0.00	26000.00
2016-17	Novellion Battery Pvt. Ltd.	Student	Graduated from Incubation	16000.00	0	0.00	16000.00
2017-18	Aatmaja Bioconjugate Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	38000.00	0	0.00	38000.00
2017-18	Cyanberg Technology Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	10000.00	0	0.00	10000.00
2017-18	Eco Yes Technologies Pvt. Ltd.	Alumni	Receiving Incubation	27000.00	0	0.00	27000.00
2017-18	Embedding Security and Privacy Pvt. Ltd.	Faculty	Graduated from Incubation	26000.00	0	0.00	26000.00
2017-18	Green Think Agri Management Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	35000.00	0	0.00	35000.00
2017-18	Itobuz Technologies Pvt. Ltd.	Alumni	Graduated from Incubation	26000.00	0	0.00	26000.00
2017-18	Magnox Technologies Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	30000.00	0	0.00	30000.00
2017-18	P2Power Solutions Pvt. Ltd.	Alumni	Graduated from Incubation	76368.00	0	0.00	76368.00
2017-18	S M Technologies Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	14000.00	0	0.00	14000.00
2017-18	Systron Technologies Pvt. Ltd.	Student	Graduated from Incubation	13895.00	0	0.00	13895.00
2017-18	Vas Bros. Enterprises Pvt. Ltd.	Alumni	Graduated from Incubation	555000.00	0	0.00	555000.00

Revenue Generated from Incubation Services offered by the Institute

Total Revenue Generated Annually from the Incubation Services offered and Equity/Share hold in Incubatees/Spinoffs

2017-18	Vecto Technologies Pvt. Ltd.	Alumni	Graduated from Incubation	58000.00	0	0.00	58000.00
2017-18	Green Infra Creations Pvt. Ltd.	Faculty	Receiving Incubation	107092.00	0	0.00	107092.00
2017-18	Synthetic Moulders Ltd.	Team from Outside of the Institution	Receiving Incubation	160700.00	0	0.00	160700.00
2017-18	A2 Advance Automation Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	55640.00	0	0.00	55640.00
2017-18	Agnext Technologies Pvt. Ltd.	Alumni	Receiving Incubation	67000.00	0	0.00	67000.00
2017-18	EBIW Smarttech Pvt. Ltd.	Team from Outside of the Institution	Receiving Incubation	60551.00	0	0.00	60551.00
2017-18	SRP Nutriment Pvt. Ltd.	Faculty	Receiving Incubation	80354.00	0	0.00	80354.00
2017-18	Bengal Biotechnology and Agriculture Pvt. Ltd.	Team from Outside of the Institution	Graduated from Incubation	67000.00	0	0.00	67000.00
2017-18	mBreath Technologies Pvt. Ltd.	Faculty	Receiving Incubation	43775.00	0	0.00	43775.00
2017-18	Humosys Technologies Pvt. Ltd.	Faculty	Receiving Incubation	28600.00	0	0.00	28600.00
2017-18	Aspenbower Vehicles Pvt. Ltd.	Student	Receiving Incubation	45743.00	0	0.00	45743.00
2017-18	Zelence Industrie Pvt. Ltd.	Faculty	Receiving Incubation	40375.00	0	0.00	40375.00
2017-18	Skablotray Pvt. Ltd.	Team from Outside of the Institution	Receiving Incubation	331000.00	0	0.00	331000.00
2017-18	SkyBits Technologie Pvt. Ltd.	Alumni	Receiving Incubation	55360.00	0	0.00	55360.00
2017-18	Polysorb Laboratory Pvt. Ltd.	Faculty	Graduated from Incubation	50400.00	0	0.00	50400.00

Infrastructures & Facilities to Support Innovations and Start-ups

Advanced Infrastructure

Advanced Lab Infrastructure/Facilities available to Support Innovation and Start-Up

Yes

If Yes, Type of Lab Infrastructures / Facilities Available (Multiple Options can be Selected)

Supercomputing Centre, Design Centre, Automation Lab, Other

List Maximum Five Advanced Labs Infrastructures Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
M N Faruqui innovation centre	Tinkering Lab	Prof. Cheruvu Siva Kumar, Mechanical Engineering	kumar@mech.iitkgp.ac.in
Signal and Image Processing Lab	High Performance Compute for Signal Processing and Machine Learning	Dr. Debdoot Sheet	debdoot@ee.iitkgp.ac.in
DHI Centre of Excellence on Advanced Manufacturing Technology	Multiple sectors	Prof. Surjya Kanta Pal, Mech. Engg.	skpal@mech.iitkgp.ac.in
Centre for Artificial Intelligence, CSE	Artificial Intelligence	Prof. Sudeshna Sarkar, CSE	sudeshna@cse.iitkgp.ac.in
PAM lab	Multiple sectors	Prof. P. K. Dan	pkdan@see.iitkgp.ernet.in

Infrastructures & Facilities to Support Innovations and Start-ups
Advanced Infrastructure
Pre Incubation Centre Available in your Campus
Pre-Incubation Centre

Yes

Type of Centre (Multiple options can be selected)

Innovation Cell/Startup Cells, Student Innovation and Entrepreneurship Clubs, Tinkering Labs

List Maximum Five Pre-Incubation Centre Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
Tinkering Lab	Embedded electronics design	Dr. Debdoot Sheet	debdoot@ee.iitkgp.ac.in
DHI Centre of Excellence on Advanced Manufacturing Technology	Multiple sectors	Prof. Surjya Kanta Pal,Mech.Engg.	skpal@mech.iitkgp.ac.in
Centre for Artificial Intelligence, CSE	Artificial Intelligence	Prof. Sudeshna Sarkar,CSE	sudeshna@cse.iitkgp.ac.in
Innovation Lab	product development and design	Prof. P.P. Das	ppd@see.iitkgp.ernet.in
E-Cell	Multiple sectors	Prof. P.K. Dan	pkdan@see.iitkgp.ernet.in

Incubation Unit/Acceleration Centre/ Research Park / STEP
Incubation Unit/Acceleration Centre/ Research Park / STEP Available in your Campus

Yes

Type of Centre (Multiple options can be selected)

Incubation Centre, STEP

List Maximum Five Pre-Incubation Centre Available in your Campus

Name of the Centre	Sector Focus of Centre (Separate Multiple Sectors with Comma ",")	Name of the Centre In charge	Email of the Centre In charge
Science and Technology Entrepreneurs Park	Multiple Sectors	Prof. Satyahari Dey, Bio Technology	satyahari01@yahoo.com
Kolkata Extension Center	Multiple sector	Prof. P.P. Das	ppd@see.iitkgp.ernet.in
Gopali Campus	Agriculture and Rural Dev	Prof. Satyahari Dey, Bio Technology	satyahari01@yahoo.com
M N Faruqui innovation centre	Tinkering Lab	Prof. Cheruvu Siva Kumar, Mechanical Engineering	kumar@mech.iitkgp.ac.in
DIY Center	Product Development facility	Prof. Sriman Kumar Bhattacharya	bsri@civil.iitkgp.ernet.in

Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renowned Agencies/Awards

Financial Year of Award Received	Name of the Award / Program	Awarding Agency Name	Type of Award	Current Status (as of 31st March 2018)	Total Team Size (Student + Faculty)
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Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renounced Agencies/Awards

2015-16	Amongst the TOP 20 best idea for Biotechnology Students Entrepreneurship Team - BEST	Department of Bioetchnology, Govt. of India	National	Technology Development/Pre Incubation Phase	5
2015-16	DESIGN, DEVELOPMENT AND FABRICATION OF AN AUTOMOBILE FOR PARTICIPATION IN SAE FORMULA 1 CONTEST FOR STUDENTS (FAA)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	5
2015-16	User emotion classification from keyboard keystroke (UEK)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	2
2015-16	Robot as a social assistance and robotic framework for exploring rugged and potentially hazardous terrain (AET)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	8
2015-16	Biomedical robotics for neuro - controlled prosthesis (RNC)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	2
2015-16	Research on AGV (GAV)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	4
2015-16	Robotics for advanced manufacturing applications (REC)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	4
2015-16	Decentralized terrain exploration with robot swarm (CEE) (TRV)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	5
2015-16	Robo-soccer research by Kharagpur Robot Soccer Students Group (KRS)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	8
2015-16	Research in Humanoid robotics (RHH)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	6
2015-16	Robert Austrian research award for pneumococcal vaccinology (RAR)	PFIZER Inc., Geneva, Switzerland	International	Technology Development/Pre Incubation Phase	4
2016-17	International Genetically Engineered Machine Foundation (iGEM), Boston, United States	International Genetically Engineered Machine Foundation (iGEM), Boston, United States	International	Technology Development/Pre Incubation Phase	1
2016-17	The Green Brain of the Year, Turkey	Middle East Technical University and Turkish Republic of Northern Cyprus	International	Technology Development/Pre Incubation Phase	3
2016-17	Gandhiyan Young Technological Innovation (GYTI) awards -2017 under Socially relevant innovation	BIRAC- GYTI	National	Technology Development/Pre Incubation Phase	4
2016-17	Optimal Design and Development of Powered Ankle Prosthetic Device for Human Locomotion (ODL)	Sponsored Research and Industrial Consultancy, IIT Kharagpur	National	Technology Development/Pre Incubation Phase	5
2016-17	Association of Pneumonia Causing Respiration Viruses and Pneumococcus in the Nasopharynx of Indian Children Living With HIV Before and After PCV-13 Vaccination (UIP)	PFIZER Inc., Geneva, Switzerland	International	Technology Development/Pre Incubation Phase	4
2016-17	Automated Malaria Diagnostic Tool Using Microscopic Images of Peripheral Blood Smears Using Computer Vision Approach (BCA)	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Gujrat	National	Technology Development/Pre Incubation Phase	2

Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renowned Agencies/Awards

2016-17	Develop an Energy - Efficient Combined Process of Microbial Fuel Cell (MFC) and Membrane Bioreactor (MBR) for High Efficiency and Reliable Treatment of Organic Wastewater (OER)	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Gujrat	National	Technology Development/Pre Incubation Phase	4
2017-18	Honda Young Engineers and Scientist Award-2018	Honda	International	Technology Development/Pre Incubation Phase	1
2017-18	Amongst the top 20 teams in ABLE-BEST	ABLE-BEST, DBT, Government of India	National	Technology Development/Pre Incubation Phase	5
2017-18	Prize in workshop on Internet of Things and Lighting organized by Philips in Kshitij, 2018 (the annual techno-management fest of IIT Kharagpur)	Philips	International	Technology Development/Pre Incubation Phase	1
2017-18	The platinum award (cash prize of Rs. 10 Lakhs) in KIPT SPARKLE innovation challenge	KIPT SPARKLE	International	Technology Development/Pre Incubation Phase	1
2017-18	Task Force Project Proposal Drone for Vaccine Delivery (TPV)	Indian Council of Medical Research, Ministry of Health and Family Welfare, New Delhi - 110 029	National	Technology Development/Pre Incubation Phase	4
2017-18	Affordable and Rapid Paper-Based Test Kits for Antimicrobial Susceptibility Assays (RBK)	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Gujrat	National	Technology Development/Pre Incubation Phase	4
2017-18	Non-Invasive, Point of Care Diagnostic System for Early Detection of Oral Cancer Using Digital Infrared Thermal Imaging (OII)	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Gujrat	National	Technology Development/Pre Incubation Phase	3
2017-18	Ultra Low Cost Honey - Silk Fibroin Therapeutic Patches for Control of Oral Cancer Recurrence (CTO)	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Gujrat	National	Technology Development/Pre Incubation Phase	2
2017-18	Automating Fault Based Cryptanalysis in Secured Embedded Applications using Machine Learning (BML)	Qualcomm India Private Limited, Bengaluru - 560066, Karnataka	National	Technology Development/Pre Incubation Phase	4
2017-18	Domain Adversarial Networks for Bridging Cross Domain Semantic Gaps in Computer Vision (NCV)	Qualcomm India Private Limited, Bengaluru - 560066, Karnataka	National	Technology Development/Pre Incubation Phase	3
2017-18	Blind Joint Equalization and Detection in Presence of Nonlinearity and Synchronization Errors for Millimeter Wave Communications (JEW)	Qualcomm India Private Limited, Bengaluru - 560066, Karnataka	National	Technology Development/Pre Incubation Phase	5

Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

Financial Year	Innovation / Start-Up Name	Founded by	Name of the Co-Founders (Multiple Names can be mentioned with Commas)	Received Incubation	Name of Incubator	Period of Incubation Received (in Years)	Startup with Corporate Identification Number (CIN) Registration	Corporate Identification Number (CIN) No.	Current Startup Status	Startup Grown to an annual turnover of Rupees 50 Lakhs (or) 10 employees for a period of 2 years
2015-16	Unlax Consumer Solutions Pvt. Ltd.	Alumni	Anurag Jain, Maaz Mohammed Salim Ansari	Yes	STEP, IIT Kharagpur	1	Yes	U74999MH2015PTC 264880	Graduated	No

Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

2015-16	Embedding Security and Privacy Pvt. Ltd.	Faculty	DEBDEEP MUKHOPADHYAY, AYANTIKA CHATTERJEE	Yes	STEP, IIT Kharagpur	3	Yes	U74900WB2015PTC 207377	Graduated	No
2015-16	Vas Bros. Enterprises Pvt. Ltd.	Alumni	Saket Kumar, Abhishek Kumar	Yes	STEP, IIT Kharagpur	2	Yes	U14295JH2012PTC0 00468	Graduated	Yes
2015-16	Amnivre Nedicare Pvt. Ltd.	Faculty	Santanu Dhara, PALLAB MAJUMDAR	Yes	STEP, IIT Kharagpur	1	Yes	U85100WB2012PTC 189496	Graduated	No
2016-17	GreenInfra Creations Pvt. Ltd.	Faculty	Prof Uttam Kumar Banerjee	Yes	STEP, IIT Kharagpur	3	Yes	U93000WB2012PTC 184718	Receiving Incubation	No
2016-17	EBIW SmartTech Pvt. Ltd.	Entrepreneurs Extern	Chandi Charan Ghosh, Samrat Mazumdar, Tultul Mazumdar	Yes	STEP, IIT Kharagpur	3	Yes	U72900WB2016PTC 217220	Receiving Incubation	No
2016-17	SRP Nutriment Pvt. Ltd.	Faculty	Prof Prem Prakash Srivastav, Sutapa Dutta	Yes	STEP, IIT Kharagpur	3	Yes	U74999WB2016PTC 217953	Receiving Incubation	No
2016-17	Searchlight Mediatech Pvt. Ltd	Entrepreneurs Extern	KAUSHIK MOULIK, PRADIP BHAWAL	Yes	STEP, IIT Kharagpur	3	Yes	U74999WB2016PTC 216446	Receiving Incubation	No
2016-17	A2Advance Automation Pvt. Ltd.	Entrepreneurs Extern	ATANU BHATTACHARJEE, AMIT NANDY	Yes	STEP, IIT Kharagpur	2	Yes	U17291WB2016PTC 210386	Graduated	No
2016-17	Spacegrid Remote Sensing and Monitoring Services Pvt. Ltd.	Alumni	Pradeep Rathore, Praveen	Yes	STEP, IIT Kharagpur	2	Yes	U93030MH2013PTC 248176	Graduated	No
2016-17	EcoYes Technologies Pvt. Ltd.	Alumni	Soumen Palit, Tripti Gayen	Yes	STEP, IIT Kharagpur	3	Yes	U01403WB2014PTC 201874	Receiving Incubation	No
2016-17	Synthetic Moulders Pvt. Ltd.	Entrepreneurs Extern	MANISH KUMAR BIHANI, RANAJIT GUHA	Yes	STEP, IIT Kharagpur	3	Yes	U25209WB1947PLC 015794	Receiving Incubation	Yes
2016-17	Bengal Biotechnology and Agriculture Pvt. Ltd.	Entrepreneurs Extern	Sujoy Dey, Sanjib Dey, Anita Dey	Yes	STEP, IIT Kharagpur	3	Yes	U01100WB2017PTC 220742	Receiving Incubation	No
2016-17	AgNext Technologies Pvt. Ltd.	Alumni	Taranjeet Singh Bhamra, SPARSH KAUR	Yes	STEP, IIT Kharagpur	3	Yes	U72900PB2016PTC0 45727	Graduated	Yes
2017-18	mBreath Technologies Pvt. Ltd.	Student and Faculty	Laxmi Kant Tiwari, Satyapal Gupta, Prof Aurobinda Routray	Yes	STEP, IIT Kharagpur	3	Yes	U72900WB2017PTC 221067	Receiving Incubation	No
2017-18	Humosys Technologies Pvt. Ltd.	Student and Faculty	Anirban Dasgupta, Prof Aurobinda Routray	Yes	STEP, IIT Kharagpur	3	Yes	U73100WB2017PTC 221489	Receiving Incubation	No
2017-18	Zelence Industries Pvt. Ltd.	Student and Faculty	Bidus Kanti Das, Prof Jayanta Bhattacharya	Yes	STEP, IIT Kharagpur	3	Yes	U74999WB2017PTC 220707	Receiving Incubation	No

Innovations to Startups

No of Successful Conversion of Innovations initiated by Students/Alumni/Faculties converted to Enterprise/Start-ups made at Institute

2017-18	Aspenbower Vehicles Pvt. Ltd.	Student	PRUTHESH JAYANT CHIDDARWAR, SRITEJA JULAPALLI, VENKATA LAKKARAJU MANIKANTA RAJU, PEDDU AKHILESH, SRAVAN KUMAR YEGIREDDI	Yes	STEP, IIT Kharagpur	3	Yes	U63090WB2017PTC 218827	Receiving Incubation	No
2017-18	Skablotrays Pvt. Ltd.	Entrepreneurs Extern	Bipin Kedia, Neha Kedia	Yes	STEP, IIT Kharagpur	3	Yes	U74999WB2017PTC 223244	Receiving Incubation	No
2017-18	SkyBits Technologies Pvt. Ltd.	Alumni	TIRTHANKAR BANERJEE, DEBABRATA DUTTA, PARTHA PRATIM GHOSH	Yes	STEP, IIT Kharagpur	3	Yes	U72300WB2013PTC 197978	Receiving Incubation	No

Co-Incubation Partnership

Co-incubation Partnership made with other Institutions either to offer incubation support (or) to receive incubation support

Financial Year	Type of Partnership	Partnership Institute Name	Type of Support Offered (Multiple Options can be Selected)	No. of Student Projects/ Ideas / Innovation / Startups Supported
2015-16	Incubation Services/Support Extended to Other Institute	WEBEL Venture Capital Limited	Seed fund	0
2016-17	Incubation Services/Support Extended to Other Institute	WEBEL Venture Capital Limited	Seed fund	0
2017-18	Incubation Services/Support Extended to Other Institute	WEBEL Venture Capital Limited	Seed fund	0

Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

Academic Year	Title of Course	Subject Focus of Course	Type of Course	Mode of Delivery	Duration of Course / Subject (Minimum 30 Contact Hours)	Total Enrollment for the Course	Total Nos. Completed the Course
2015-16	PRODUCT DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	68	68
2015-16	MARKETING AND MARKET RESEARCH	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	110	110
2015-16	MANUFACTURING MANAGEMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	9	9
2015-16	FINANCIAL AND LEGAL ASPECTS OF BUSINESS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	26	26
2015-16	MANAGEMENT OF GROWTH VENTURES	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	75	75
2015-16	TECHNO-ENTREPRENEURIAL LEADERSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	40	40
2015-16	ECONOMICS OF ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	120	120

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2015-16	FINANCING NEW VENTURE	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	71	71
2015-16	FOUNDATIONS OF ENTREPRENEURS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	75	75
2015-16	INNOVATION MANAGEMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	62	62
2015-16	ENGINEERING DESIGN PROCESS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	130	130
2015-16	ENTREPRENEURIAL EXIT STRATEGIES	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	102	102
2015-16	SMALL BUSINESS DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	52	52
2015-16	TECHNOLOGY ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	38	38
2015-16	ENGINEERING B-PLAN DEVELOPMENT - 1	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	68	68
2015-16	FOUNDATIONS OF ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	120	120
2016-17	Summer Study Abroad Course in collaboration with Indiana University of Pennsylvania (IUP)	Design thinking	Short Term Certificate Course	Classroom	136	10	10
2016-17	MIT-IIT India Practicum	Design thinking	Short Term Certificate Course	Classroom	85	27	27
2016-17	MARKETING AND MARKET RESEARCH	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	113	113
2016-17	PRODUCT DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	82	82
2016-17	MANUFACTURING MANAGEMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	34	34
2016-17	FINANCIAL AND LEGAL ASPECTS OF BUSINESS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	55	55
2016-17	MANAGEMENT OF GROWTH VENTURES	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	82	82
2016-17	TECHNO-ENTREPRENEURIAL LEADERSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	65	65
2016-17	ECONOMICS OF ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	159	159
2016-17	FINANCING NEW VENTURE	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	101	101
2016-17	FOUNDATIONS OF ENTREPRENEURS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	103	103
2016-17	INNOVATION MANAGEMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	77	77

Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

2016-17	ENGINEERING DESIGN PROCESS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	158	158
2016-17	ENTREPRENEURIAL EXIT STRATEGIES	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	63	63
2016-17	SMALL BUSINESS DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	25	25
2016-17	SPECIAL TOPICS IN ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	6	6
2016-17	TECHNOLOGY ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	64	64
2016-17	ENGINEERING B-PLAN DEVELOPMENT - 1	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	64	64
2016-17	FOUNDATIONS OF ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	36	36
2017-18	Summer Study Abroad Course in collaboration with Indiana University of Pennsylvania (IUP)	Design thinking	Short Term Certificate Course	Classroom	104	9	9
2017-18	Product Development Laboratory	Design thinking	Credit Course (Compulsory)	Classroom	42	11	11
2017-18	Product Development Project	Design thinking	Credit Course (Compulsory)	Classroom	42	46	46
2017-18	Product Development	Design thinking	Credit Course (Compulsory)	Classroom	42	61	61
2017-18	ENTREPRENEURSHIP and New Ventures (BM60037)	Innovation and Entrepreneurship Development	Credit Course (Compulsory)	Classroom	44	9	9
2017-18	MARKETING AND MARKET RESEARCH	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	110	110
2017-18	PRODUCT DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	85	85
2017-18	MANUFACTURING MANAGEMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	45	45
2017-18	FINANCIAL AND LEGAL ASPECTS OF BUSINESS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	106	106
2017-18	MANAGEMENT OF GROWTH VENTURES	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	50	50
2017-18	TECHNO-ENTREPRENEURIAL LEADERSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	81	81
2017-18	FINANCING NEW VENTURE	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	60	60
2017-18	DESIGN-DRIVEN INNOVATION	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	10	10
2017-18	FOUNDATIONS OF ENTREPRENEURS	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	43	43
2017-18	SMALL BUSINESS DEVELOPMENT	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	44	44

Courses on Innovation, IPR and Entrepreneurship Development

Short Term Certificate Courses, Regular Academic Programs and Courses offered at Institute on Innovation, IPR and Entrepreneurship Development for Students, Faculties and Start-ups

2017-18	SPECIAL TOPICS IN ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	116	116
2017-18	TECHNOLOGY ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	33	33
2017-18	ENGINEERING B-PLAN DEVELOPMENT - 1	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	27	27
2017-18	FOUNDATIONS OF ENTREPRENEURSHIP	Innovation and Entrepreneurship Development	Credit Course (Elective)	Classroom	40	220	220

Faculty with Entrepreneurial Experience

Regular Faculties Engaged in Teaching with Experience in Innovation Design, IPR, Business Modelling, Entrepreneurship Development, Start-up, etc.

Academic Year	Faculty Name	Department	Years of Experience in Start-up / Entrepreneurship	Area of Expertise (Multiple Options can be Selected)	Level of Involvements as	Is Faculty, a Founder/Director of any Start-up	Name of the Start-up (Multiple Startups can be mentioned with Comma)	Director Identification Number (DIN)
2015-16	Prof Santanu Dhara	School of Medical Science and Technology	6	Innovation Design	Founder	Yes	Amnivre Medicare Pvt Ltd	6404015
2015-16	Prof Debdeep Mukhopadhyay	Computer Science and Engineering	4	Innovation Design	Founder	Yes	Embedding Security and Privacy Pvt Ltd	6955122
2015-16	Prof Basab Chakraborty	RMSoEE	4	Innovation Design	Mentor	Yes	Aspen Bower	00000
2015-16	Prof P P Das	CSE	4	Innovation Design	Mentor	Yes	Aspen Bower	000
2016-17	Prof Uttam Kumar Banerjee	Architecture Regional Planning	14	Innovation Design	Founder	Yes	GreenInfra Creations Pvt Ltd	5342593
2016-17	Prof Prem Prakash Srivastav	Agricultural and Food Engineering	2	Innovation Design	Founder	Yes	SRP Nutriment Pvt Ltd	7584926
2016-17	Prof Pranab K Dan	RMSoEE	3	Innovation Design	Mentor	Yes	Alive Home	00000
2017-18	Debdoot Sheet	Electrical Engineering	4	Innovation Design	Founder	Yes	SkinCurate Research PvtLtd	6792222
2017-18	Prof Aurobinda Routray	Electrical Engineering	7	Innovation Design	Founder	Yes	mBreath Technologies Pvt Ltd	5330084
2017-18	Prof Aurobinda Routray	Electrical Engineering	7	Innovation Design	Founder	Yes	Humosys Technologies Pvt Ltd	5330084
2017-18	Prof M K Mondal	RMSoEE	3	Entrepreneurship Development	Mentor	Yes	P2 Power Solutions	00000
2017-18	Prof B Bhowmick	RMSoEE	2	Start-up Operation	Mentor	Yes	A2 Advance Automation	00000
2017-18	Prof Jayanta Bhattacharya	Mining Engineering	2	Innovation Design	Founder	Yes	Zelence Industries Pvt Ltd	7744010

Innovation in Governance

Best Innovative Solutions Developed In-house for Improving Governance of Your Institution

Financial Year	Categories	Title of the Innovation	Brief About Solutions / Approaches Developed and Deployed in Your Institute	Total Project Amount (in Rupees)	Revenue Generated (in Rupees)	Impact created (No. of Direct Beneficiaries/Users)
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Innovation in Governance

Best Innovative Solutions Developed In-house for Improving Governance of Your Institution

2017-18	Knowledge Management	ERP System of the Institute	ERP system has been implemented and developed in tailor-made to suit our specific requirement and to bring in efficiency and transparency in the management system.	45048657.00	5771460.00	13190
2017-18	Knowledge Management	E-Office	E- Office to automate the different functionalities of the file movements, approvals, sanctions etc.	1515120.00	0.00	60

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