



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



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

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

Institute Name: SSBT's College of Engineering & Technology [ARI-C-8977]

### 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 Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Exhibitions of Innovative Products / E-Summits / Tech-Fests	University Level Project Exhibition SHODHPRAKALP PRATIYOGITA	Innovation	11-Apr-2015 to 11-Apr-2015 (1 Days)	Within Campus	535	0	535	0.00	53863.00	53863.00
2015-16	Workshops / Training / Seminars / Conferences	Dream of Entrepreneurship	Entrepreneurship/Startup	30-Jul-2015 to 30-Jul-2015 (1 Days)	Within Campus	50	0	50	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Data Warehousing, Business Intelligence and Data Mining using SQL server 2014	Innovation	13-Sep-2015 to 27-Feb-2016 (168 Days)	Within Campus	114	0	114	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Virtual Switch	Innovation	13-Sep-2015 to 15-Sep-2015 (3 Days)	Within Campus	40	0	40	0.00	0.00	0.00
2015-16	Workshops / Training / Seminars / Conferences	Two days workshop - Solar Photovoltaics and its Application	Innovation	18-Sep-2015 to 19-Sep-2015 (2 Days)	Within Campus	42	0	42	15250.00	36600.00	51850.00
2015-16	Workshops / Training / Seminars / Conferences	Industry Culture Workshop	Entrepreneurship/Startup	26-Oct-2015 to 26-Oct-2015 (1 Days)	Within Campus	82	0	82	10000.00	0.00	10000.00
2015-16	Workshops / Training / Seminars / Conferences	International Conference on Global Trends in Engineering, Technology and Management	Innovation	04-Jan-2016 to 06-Jan-2016 (3 Days)	Within Campus	119	76	195	231995.00	376012.00	608007.00
2015-16	Awareness / Motivational Programs	Entrepreneurship awareness Camp	Innovation	27-Feb-2016 to 28-Feb-2016 (2 Days)	Within Campus	145	0	145	0.00	44843.00	44843.00
2015-16	Workshops / Training / Seminars / Conferences	Two days workshop - Industrial Automation	Innovation	11-Mar-2016 to 12-Mar-2016 (2 Days)	Within Campus	57	0	57	17100.00	0.00	17100.00

**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

2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	University Level Project Exhibition SHODHPRAKALP PRATIYOGITA	Innovation	11-Apr-2016 to 11-Apr-2016 (1 Days)	Within Campus	530	0	530	0.00	56700.00	56700.00
2016-17	Workshops / Training / Seminars / Conferences	Aptitude and Soft Skill Training	Entrepreneurship/Startup	18-Jul-2016 to 23-Jul-2016 (6 Days)	Within Campus	135	0	135	195000.00	0.00	195000.00
2016-17	Workshops / Training / Seminars / Conferences	Five days workshop - Solar Photovoltaics and its Application	Innovation	06-Oct-2016 to 10-Oct-2016 (5 Days)	Within Campus	25	0	25	75000.00	75000.00	150000.00
2016-17	Workshops / Training / Seminars / Conferences	International Conference on Global Trends in Signal Processing, Information Computing and Communication	Innovation	22-Dec-2016 to 24-Dec-2016 (3 Days)	Within Campus	126	0	126	0.00	0.00	0.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Tech Fest	Innovation	21-Feb-2017 to 21-Feb-2017 (1 Days)	Within Campus	150	200	350	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Two days workshop - Energy Audit Conservation	Innovation	03-Mar-2017 to 04-Mar-2017 (2 Days)	Within Campus	62	0	62	0.00	0.00	0.00
2016-17	Workshops / Training / Seminars / Conferences	Two days workshop - Computer Aided Power System Analysis	Innovation	29-Mar-2017 to 30-Mar-2017 (2 Days)	Within Campus	25	0	25	0.00	0.00	0.00
2016-17	Awareness / Motivational Programs	Entrepreneurship awareness Camp	Entrepreneurship/Startup	30-Mar-2017 to 31-Mar-2017 (2 Days)	Within Campus	111	0	111	0.00	36500.00	36500.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Exhibitions of Innovative products	Innovation	08-Apr-2017 to 08-Apr-2017 (1 Days)	Within Campus	122	0	122	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Two Days Add on course - Power Electronics and Electric drives	Innovation	08-Sep-2017 to 09-Sep-2017 (2 Days)	Within Campus	37	0	37	8750.00	5250.00	14000.00
2017-18	Workshops / Training / Seminars / Conferences	Android IoT and CATIA Training Program	Innovation	18-Sep-2017 to 23-Sep-2017 (6 Days)	Within Campus	90	0	90	360000.00	0.00	360000.00
2017-18	Workshops / Training / Seminars / Conferences	Three Days Add on course - Advances in Electrical Power System	Innovation	26-Oct-2017 to 28-Oct-2017 (3 Days)	Within Campus	42	0	42	45000.00	0.00	45000.00

**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	Global Trends in Engineering Technology and Management	Innovation	22-Dec-2017 to 24-Dec-2017 (3 Days)	Within Campus	35	40	75	283139.00	0.00	283139.00
2017-18	Workshops / Training / Seminars / Conferences	Three Days Add on course - Advances in Electrical Power System	Innovation	18-Jan-2018 to 20-Jan-2018 (3 Days)	Within Campus	42	0	42	45000.00	0.00	45000.00
2017-18	Awareness / Motivational Programs	Entrepreneurship awareness Camp	Entrepreneurship/ Startup	16-Feb-2018 to 17-Feb-2018 (2 Days)	Within Campus	133	0	133	20965.00	0.00	20965.00
2017-18	Workshops / Training / Seminars / Conferences	Development of Web Application	Innovation	28-Feb-2018 to 02-Mar-2018 (3 Days)	Within Campus	20	0	20	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Internet of Things	Innovation	28-Feb-2018 to 02-Mar-2018 (3 Days)	Within Campus	25	0	25	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Advance Excel	Innovation	28-Feb-2018 to 02-Mar-2018 (3 Days)	Within Campus	29	0	29	0.00	0.00	0.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	University Level Project Exhibition SHODHPRAKALP PRATIYOGITA	Innovation	31-Mar-2018 to 31-Mar-2018 (1 Days)	Within Campus	500	0	500	45045.00	0.00	45045.00
2017-18	Workshops / Training / Seminars / Conferences	Internet of Things	Innovation	16-Aug-2018 to 19-Aug-2018 (4 Days)	Within Campus	36	0	36	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Advanced Java	Innovation	16-Aug-2018 to 19-Aug-2018 (4 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	Tools on Decision Making	Innovation	16-Aug-2018 to 19-Aug-2018 (4 Days)	Within Campus	30	0	30	0.00	0.00	0.00
2017-18	Workshops / Training / Seminars / Conferences	3D Modeling Assembly and Analysis of Automotive Parts using CATIA	Innovation	14-Nov-2018 to 18-Nov-2018 (5 Days)	Within Campus	195	0	195	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 Rs.)	Sponsorship / External Fund	Total Expenditure Incurred

**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.

2015-16	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	University Level Project Exhibition SHODHPRAKALP PRATIYOGITA	IEDC	National	Student	4	First Prize	0.00	0.00	0.00
2015-16	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	National Robotic Contest ROBOCON 2016	ROBOCON	National	Student	5	Appreciation	0.00	0.00	0.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Student Level Paper Presentation MILESTONE2K17	SSBT's, COET, Bambhori, Jalgaon	National	Student	5	First Prize	0.00	0.00	0.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	National Robotic Contest Bale wadi Stadium	MIT Academy Pune in Association with Doordarshan Prasarbharti India	National	Student	5	Recognitions	0.00	0.00	0.00
2016-17	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Dipex - 2017	Shrujan Dipex Center for entrepreneurship Development , ABVP	National	Student	5	Appreciated	0.00	0.00	0.00
2016-17	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Smart India Hackathon (SIH-2018)	AICTE and MHRD's Innovation Cell (Government of India)	National	Student	12	Nil	10000.00	14400.00	24400.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Project Exhibition	KCE College of Engineering and Information Technology, Jalgaon	National	Student	05	Second Prize	0.00	0.00	0.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Project Exhibition	Institute of Technology, Management and Research, Nashik	National	Student	05	Third Prize	0.00	0.00	0.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Project Exhibition	R C Patel Institute of Technology, Shirpur	National	Student	05	Consolation Prize	0.00	0.00	0.00
2017-18	Hackathons/Competition/Boot-Camp/Exchange Programs	Innovation	Smart India Hackathon (SIH-2018)	AICTE and MHRD's Innovation Cell (Government of India)	National	Student	6	Nil	15000.00	7200.00	22200.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	University Level Project Exhibition SHODHPRAKALP PRATIYOGITA	Shram Sadhana Innovation and Entrepreneurship Development Centre	National	Student	2	1st Prize	0.00	0.00	0.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Dipex - 2018	Shrujan Dipex Center for entrepreneurship Development , ABVP	National	Student	2	First Prize	39917.00	0.00	39917.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Dipex - 2018	Shrujan Dipex Center for entrepreneurship Development , ABVP	National	Student	4	Appreciated	0.00	0.00	0.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Project Exhibition competition	Guru Gobind Singhji Institute of Engineering and Technology, Nanded	National	Student	5	Second Prize	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.

2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	National Robotic Contest	MIT Academy Pune in Association with Doordarshan Prasarbharti India	National	Student	11	34 Rank	179000.00	0.00	179000.00
2017-18	Exhibitions of Innovative Products / E-Summits / Tech-Fests	Innovation	Dipex - 2018	Shrujan Dipex Center for entrepreneurship Development , ABVP	National	Student	5	First Prize	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 Rs.) (Construction Cost is excluded)		
							Institute Own / Internal Fund (in Rs.)	Sponsorship / External Fund	Total Expenditure Incurred
2015-16	Innovation and Entrepreneurship Development Centre	Pre-Incubation	2012	SSBT's College of Engineering & Technology, Bambhori, Jalgaon	Dr I D Patil	1500	0.00	800000.00	800000.00
2016-17	Innovation and Entrepreneurship Development Centre	Pre-Incubation	2012	SSBT's College of Engineering & Technology, Bambhori, Jalgaon	Dr I D Patil	1500	0.00	800000.00	800000.00
2017-18	Shram Sadhana Innovation and Entrepreneurship Development Centre	Pre-Incubation	2017	SSBT's College of Engineering & Technology, Bambhori, Jalgaon	Dr I D Patil	1500	400000.00	0.00	400000.00

**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	Production, Purification and Characterization of Bacterial Xylanase using Spent Grains and Sugar Bagasse as Substrate	Student	Bachelor	Successfully Completed	4	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Preparation of Nano Catalyst and its Applications	Student	Bachelor	Successfully Completed	3	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Designing of Wearable Sensors for Monitoring Human Activity	Student	Bachelor	Successfully Completed	4	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Solar Water Heating System Using Innovative Flat Plate Collector and Storage Volume.	Student	Bachelor	Successfully Completed	5	0.00	100000.00	0.00	100000.00	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	Design and Manufacturing of Modified Two Stage Reduction Gear Box for all Terrain Vehicles	Student	Bachelor	Successfully Completed	5	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Study on Fermentative Production and Purification of Amino Acids From Agricultural Waste	Faculty		Successfully Completed	2	0.00	200000.00	0.00	200000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Experimental prototype Studies on Long Term Performance of Rubberized Concrete	Faculty		Successfully Completed	2	101000.00	0.00	0.00	101000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Investigations on Removal of Colour and Reduction of COD from Textile Industry Waste Water using Acoustic Cavitation Process	Faculty		Successfully Completed	2	180000.00	0.00	0.00	180000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Engineering Application of Electroconductive Polymer in Polymer Electronics	Faculty		Successfully Completed	2	150000.00	0.00	0.00	150000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Radiation estimation and turbidity control in SGSP	Faculty		Successfully Completed	2	0.00	375000.00	0.00	375000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Digital Signal Processor based Stand Alone 1000 watts Photovoltaic System	Faculty		Successfully Completed	2	0.00	200000.00	0.00	200000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	A study of problems and opportunities of tourism in Jalgaon district with special reference to tourist destination Manudevi	Faculty		Successfully Completed	2	0.00	55000.00	0.00	55000.00	Technology Development/Pre Incubation Phase
2015-16	Idea to PoC / Prototype / Innovation	Novel idea to fabricate optimized thermo-electric generator using organic and polymeric nano composites	Faculty		Successfully Completed	2	0.00	70000.00	0.00	70000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Treatment of Sewage Waste Water and Purification of Biogas using Algae.	Faculty		Successfully Completed	2	0.00	80000.00	0.00	80000.00	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

2016-17	Idea to PoC / Prototype / Innovation	Fermentative production and Characterization of Actinomycin by Streptomyces antibioticus using Protein Rich Supplements as Substrate	Student	Bachelor	Successfully Completed	4	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Fabrication and Study of Concentric Pipe Heat Exchanger	Student	Bachelor	Successfully Completed	3	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Solar Powered Bicycle	Student	Bachelor	Successfully Completed	5	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Accurate Measurement and Dissemination of Environmental Parameters to the Society Using IOT	Student	Bachelor	Successfully Completed	5	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Krushak-A Multipurpose Agricultural Equipment	Student	Bachelor	Successfully Completed	5	0.00	100000.00	0.00	100000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Welcoming Sun in Congested Buildings	Faculty		Successfully Completed	2	140000.00	0.00	0.00	140000.00	Technology Development/Pre Incubation Phase
2016-17	Idea to PoC / Prototype / Innovation	Implementation of Smart City using IoT	Faculty		Successfully Completed	2	115000.00	0.00	0.00	115000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Treatment of Dairy Waste Water using Microwave Reactor	Faculty		Successfully Completed	2	175000.00	0.00	0.00	175000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	An IoT based Smart Remote Monitoring and Controlled unit for Solar Photovoltaic System	Faculty		Successfully Completed	2	204000.00	0.00	0.00	204000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Design and Fabrication of Efficient Domestic LPG Stove Burner	Faculty		Successfully Completed	1	101000.00	0.00	0.00	101000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Experimental Investigation of Machining Behavior of Aluminum Metal Matrix Composites	Faculty		Successfully Completed	1	115000.00	0.00	0.00	115000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	An IoT Based Smart Solar Photovoltaic Remote Monitoring system	Student	Bachelor	Successfully Completed	5	40000.00	0.00	0.00	40000.00	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	Idea to PoC / Prototype / Innovation	Extraction of Collagen from Fish Waste	Student	Bachelor	Successfully Completed	2	40000.00	0.00	0.00	40000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Study of Manufacturing of Orthonitrochoroben zene	Student	Bachelor	Successfully Completed	4	37000.00	0.00	0.00	37000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Improvement and Analysis of Thermal Efficiency by using Molten Salt	Student	Bachelor	Successfully Completed	4	27000.00	0.00	0.00	27000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	An IOT based Smart Solar Photovoltaic Remote Monitoring System	Student	Bachelor	Successfully Completed	4	40000.00	0.00	0.00	40000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Design and Development of Underwater Cutting Machine	Student	Bachelor	Successfully Completed	5	25000.00	0.00	0.00	25000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Development and Fabrication of New Fire Safety System in Car	Student	Bachelor	Successfully Completed	5	22000.00	0.00	0.00	22000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	In Pipe Climbing Flexible Mechanism Robot	Student	Bachelor	Successfully Completed	4	30000.00	0.00	0.00	30000.00	Technology Development/Pre Incubation Phase
2017-18	Idea to PoC / Prototype / Innovation	Design and Fabrication of Automated and Mobile Operated Grass Cutter	Student	Bachelor	Successfully Completed	4	40000.00	0.00	0.00	40000.00	Technology Development/Pre Incubation Phase

**Intellectual Properties Filed**

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

<b>Not Applicable!</b>
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**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)

<b>Not Applicable!</b>
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**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 (in Years)	Total Grant Allocated Amount (in Rs.)	Total Grant Received Amount (in Rs.) (as of 31st March 2018)	Purpose of Grant Utilization (Multiple options can be selected)	Purpose of Grant Utilization (Other)
2015-16	Government	Department of Science and Technology Govt of India New Delhi	01.0	800000.00	498699.00	Other	Students Innovative Projects



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	Kavayitri Bahinabai Chaudhry North Maharashtra University, Jalgaon	02.0	70000.00	70000.00	Other	Research and innovation for product development
2015-16	Government	Kavayitri Bahinabai Chaudhry North Maharashtra University, Jalgaon	02.0	101000.00	101000.00	Other	Research and innovation for product development
2015-16	Government	Kavayitri Bahinabai Chaudhry North Maharashtra University, Jalgaon	01.0	70000.00	70000.00	Other	Faculty Research Project
2016-17	Government	Department of Science and Technology Govt of India New Delhi	01.0	800000.00	622374.00	Other	Students Innovative Projects
2016-17	Government	Kavayitri Bahinabai Chaudhry North Maharashtra University, Jalgaon	01.0	80000.00	80000.00	Other	Faculty Research Project
2017-18	Non-Government	Shram Sadhana Innovation and Entrepreneurship Development Centre	01.0	400000.00	400000.00	Other	Students Innovative Projects

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

Not Applicable!
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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

Not Applicable!
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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)
Other
List Maximum Five Advanced Labs Infrastructures Available in your Campus

Infrastructures & Facilities to Support Innovations and Start-ups

Advanced Infrastructure																											
<table><tr><th>Name of the Centre</th><th>Sector Focus of Centre (Separate Multiple Sectors with Comma ",")</th><th>Name of the Centre In charge</th><th>Email of the Centre In charge</th></tr><tr><td>Fermentation Lab</td><td>Antibiotics, Enzyme, Beverages Production</td><td>Jayant P Parpalliwar</td><td>biochannel27@gmail.com</td></tr><tr><td>Chemical Research Lab</td><td>Polymers, Speciality Chemicals, Oil, Waste Treatment</td><td>Dr N Y Ghare</td><td>nikhil.ghare@rediffmail.com</td></tr><tr><td>Internet of Things Lab</td><td>IoT</td><td>Mr. S. J. Patil</td><td>sjpateel@gmail.com</td></tr><tr><td>Printed Circuit Board Lab</td><td>PCB Designing</td><td>Mrs. M.T. Deshmukh</td><td>mayuri.deshmukh08@gmail.com</td></tr><tr><td>Electrical Machines Lab</td><td>DC Motors, AC Motors, Transmission and Distribution Module</td><td>Mr. M.M.Ansari</td><td>mujtahidansari@gmail.com</td></tr></table>				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	Fermentation Lab	Antibiotics, Enzyme, Beverages Production	Jayant P Parpalliwar	biochannel27@gmail.com	Chemical Research Lab	Polymers, Speciality Chemicals, Oil, Waste Treatment	Dr N Y Ghare	nikhil.ghare@rediffmail.com	Internet of Things Lab	IoT	Mr. S. J. Patil	sjpateel@gmail.com	Printed Circuit Board Lab	PCB Designing	Mrs. M.T. Deshmukh	mayuri.deshmukh08@gmail.com	Electrical Machines Lab	DC Motors, AC Motors, Transmission and Distribution Module	Mr. M.M.Ansari	mujtahidansari@gmail.com
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Pre Incubation Centre Available in your Campus																											
Pre-Incubation Centre																											
Yes																											
Type of Centre (Multiple options can be selected)																											
EDC/IEDC/NEW Gen EDC																											
List Maximum Five Pre-Incubation Centre Available in your Campus																											
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Student Projects recognized at National / International Level

No of Innovative Student Projects Recognized Nationally/Internationally with Prestigious renounced 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)
2015-16	Avishkar -2015 North Maharashtra University	Savitribai Phule University Pune	National	Technology Development/Pre Incubation Phase	5
2016-17	Young Innovator Award of ZEE TV	ZEE 24 Taass	National	Technology Development/Pre Incubation Phase	5

**Student Projects recognized at National / International Level**

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

2016-17	National Level Project Exhibition DIPEX 2017	ABVP and DIPEX Centre of Entrepreneurship Development	National	Technology Development/Pre Incubation Phase	5
2016-17	Avishkar -2016 North Maharashtra University	North Maharashtra University	National	Technology Development/Pre Incubation Phase	5
2017-18	IETE Karmveer Expo	K.K. Wagh Institute of Engineering Education and Research (Sponsored by the IET) Nasik	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

<b>Not Applicable!</b>
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**Co-Incubation Partnership**

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

<b>Not Applicable!</b>
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**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	IPR and Entrepreneurship	IPR	Bachelor	Classroom	40	9	9
2015-16	Entrepreneurship and Project management	Innovation and Entrepreneurship Development	Master	Classroom	50	56	54
2016-17	Entrepreneurship and Project management	Innovation and Entrepreneurship Development	Master	Classroom	50	54	51
2016-17	IPR and Entrepreneurship	IPR	Bachelor	Classroom	40	14	14
2017-18	IPR and Entrepreneurship	IPR	Bachelor	Classroom	40	13	12
2017-18	Entrepreneurship and Project management	Innovation and Entrepreneurship Development	Master	Classroom	50	43	41

**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)
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**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 Rs.)	Revenue Generated (in Rs.)	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

2015-16	Waste Management	Sullage recycling	Jalgaon is an arid region with very high solar radiation and evaporation rate. Water scarcity is high here. Under these circumstances the college has maintained a lush green campus by recycling sullage. The campus has a residential campus of over 2000 souls. They generate over 270000 l of wastewater daily. Out of this 80 percent is sullage. The sullage is treated by coconut shells and skimming. Later this water is used for gardening purpose in the campus, thus saving water requirements, solving sewage disposal problem and saving electricity by reducing pumping of fresh water requirements.	45000.00	1000000.00	3000
2017-18	Energy Conservation	100 kWp ON Grid PV Solar Roof Top Power Plant under SECI Scheme	The college has installed 100 kWp PV Solar Roof Top ON grid power plant. The plant generates average 400 units per day. The PV Solar plant not only generates electric power but also saves coal burning and diesel i.e. decreasing CO2 emission.	3675000.00	1237443.00	3000

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