



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



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

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

Institute Name: N. B. Navale Sinhgad College of Engineering [ARI-C-15716]

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

Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
IOT based Google Assistance	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Electronics and Telecommunication Department	15-03-2019 00:00:00	17-03-2019 00:00:00	3	Within Campus	35	3	2	0	40	No	---
Python Language	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Electronics and Telecommunication Engineering Department	24-12-2018 00:00:00	29-12-2018 00:00:00	6	Within Campus	3	0	0	0	3	No	---
Python for Data Science	Entrepreneurship/Startup, Innovation	Institute	Institute Lead Activity	Electronics and Telecommunication	24-06-2019 00:00:00	28-06-2019 00:00:00	5	Within Campus	10	0	16	0	26	No	---
Workshop on IoT using Node MCU	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Electronics and Telecommunication	27-07-2018 00:00:00	29-07-2018 00:00:00	3	Within Campus	41	1	0	0	42	No	---
Unified Modelling Language Design Using LaTeX	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Computer Science and Engineering	10-09-2018 00:00:00	10-11-2018 00:00:00	62	Within Campus	78	0	0	0	78	No	---
Objective Based Learning	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	24-09-2019 00:00:00	28-09-2019 00:00:00	5	Within Campus	0	30	0	0	30	Yes	13200
One Day Workshop on KOHA and Library Automation	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	10-12-2018 00:00:00	10-12-2018 00:00:00	1	Within Campus	0	10	0	7	17	Yes	6000

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

One day Workshop on Moodle Learning Management System	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	15-03-2019 00:00:00	15-03-2019 00:00:00	1	Within Campus	0	29	0	0	29	Yes	5000
One Day Workshop on Scilab	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	05-04-2019 00:00:00	05-04-2019 00:00:00	1	Within Campus	0	16	0	4	20	Yes	5000
Optimization techniques with Engineering Applications	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	12-10-2018 00:00:00	14-12-2018 00:00:00	64	Within Campus	0	12	0	10	22	Yes	4000
Mathematical Techniques in Solving Engineering Problems	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	General Science and Engineering	05-03-2019 00:00:00	29-04-2019 00:00:00	56	Within Campus	0	14	0	0	14	Yes	4000
NBA Accreditation	Entrepreneurship/Startup	Workshop	Institute Lead Activity	General Science and Engineering	22-04-2019 00:00:00	26-04-2019 00:00:00	5	Within Campus	0	25	0	10	35	Yes	17000
Guest Lecture on Electronic devices and circuits	Entrepreneurship/Startup, Innovation	Guest Lecture	Institute Lead Activity	Electrical Engineering	17-09-2018 00:00:00	17-09-2018 00:00:00	1	Within Campus	56	4	0	0	60	No	---
Suryamitra Skill Development Program	Entrepreneurship/Startup, Innovation	Training Programme	Institute Lead Activity	Electrical Engineering	22-09-2018 00:00:00	22-12-2018 00:00:00	92	Within Campus	45	3	0	0	48	No	---
LATEX Workshop	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Electrical Engineering	10-01-2018 00:00:00	10-01-2018 00:00:00	1	Within Campus	65	3	0	0	68	No	---
Guest Lecture on Electromagnetic Field	Innovation	Guest Lecture	Institute Lead Activity	Electrical Engineering	10-12-2018 00:00:00	10-12-2018 00:00:00	1	Within Campus	65	5	0	0	70	No	---
Application of RS and GIS for land slide hazard zonal of Ambegaon Taluka	Innovation	Workshop	Student Lead Activity	Civil Engineering	02-07-2018 00:00:00	31-07-2018 00:00:00	30	Outside Campus	7	1	0	0	8	Yes	21000
Evaluation of Self compacting Concrete and Comparing with ordinary concrete for pile foundation	Entrepreneurship/Startup, Innovation	Training	Student Lead Activity	Civil Engineering	02-07-2018 00:00:00	31-07-2018 00:00:00	30	Within Campus	6	1	0	0	7	No	---
Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Entrepreneurship Development Cell	28-09-2018 00:00:00	30-09-2018 00:00:00	3	Within Campus	164	2	0	0	166	Yes	10000

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

Technical Entrepreneurship Development Programme	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Entrepreneurship Development Cell	16-01-2019 00:00:00	01-03-2019 00:00:00	45	Within Campus	31	0	0	0	31	Yes	120000
Guest Lecture on Entrepreneurship, StartUps and incubation	Entrepreneurship/Startup, Innovation	Guest Lecture	Institute Lead Activity	Entrepreneurship Development Cell	17-09-2018 00:00:00	17-09-2018 00:00:00	1	Within Campus	0	30	0	0	30	No	---
HIT office Construction ERP	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Civil Engineering	15-03-2019 00:00:00	18-03-2019 00:00:00	4	Within Campus	65	0	0	0	65	No	---
National Conference on New and Emerging Technologies for Water Resources	Innovation	Conference	Institute Lead Activity	Civil Engineering	27-07-2018 00:00:00	28-07-2018 00:00:00	2	Within Campus	0	13	0	0	13	No	---
International E Commerce shopify store	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Mechanical Engineering	22-03-2019 00:00:00	22-03-2019 00:00:00	1	Within Campus	100	7	0	0	107	Yes	2000
Effect of construction technology in changing Indias construction sector	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Mechanical Engineering	12-10-2018 00:00:00	12-10-2018 00:00:00	1	Within Campus	50	0	0	0	50	No	---

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

Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration (in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/received fund towards sending delegation to participate/represent the program/activity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
Switching Circuit and Logic Design	Innovation	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	30-07-2018 00:00:00	28-10-2018 00:00:00	91	0	3	3	Yes	Elite Certification	Elite Certification	No	---
Digital Image Processing	Innovation	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	30-07-2018 00:00:00	28-10-2018 00:00:00	91	0	2	2	Yes	Elite Certification	Elite Certification	No	---
Joy of Computing with Python	Innovation	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	30-07-2018 00:00:00	28-10-2018 00:00:00	91	0	1	1	Yes	Gold Certification	Gold Certification	No	---
Joy of Computing with Python	Innovation	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	28-01-2019 00:00:00	28-04-2019 00:00:00	91	0	2	2	Yes	Elite Certification	Elite Certification	No	---

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

IOT 4.0	Entrepreneurship/Startup	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	28-01-2019 00:00:00	28-04-2019 00:00:00	91	0	2	2	Yes	Elite Certification	Elite Certification	No	---
Control Engineering	Entrepreneurship/Startup	NPTEL Certification	Indian Institute of Technology	Govt. Agency (Central)	28-01-2019 00:00:00	28-04-2019 00:00:00	91	0	1	1	No	---	---	No	---
e- Yantra Robotics	Entrepreneurship/Startup	Workshop	IIT Bombay	Govt. Agency (Central)	24-05-2019 00:00:00	25-05-2019 00:00:00	2	0	3	3	Yes	Third position	Third position	No	---
DataScience using Python	Entrepreneurship/Startup	Workshop	Government Engineering college for women Tasgaon Sangli	Govt. Agency (State)	13-05-2019 00:00:00	18-05-2019 00:00:00	6	0	4	4	No	---	---	No	---
Data acquisition and Analysis for Biomedical Application	Entrepreneurship/Startup	Workshop	VEL TECH university Chennai	Educational Institute	17-12-2018 00:00:00	21-12-2018 00:00:00	5	0	1	1	No	---	---	No	---
Mathematical Techniques in solving Engineering Problems	Entrepreneurship/Startup	Workshop	NITTTR Chandigarh	Govt. Agency (Central)	05-03-2019 00:00:00	27-04-2019 00:00:00	54	0	1	1	No	---	---	No	---
One Day Workshop on Scilab	Entrepreneurship/Startup	Workshop	IIT Bombay	Govt. Agency (Central)	05-04-2019 00:00:00	05-04-2019 00:00:00	1	0	3	3	No	---	---	No	---
Moodle Learning Management System	Entrepreneurship/Startup	Workshop	IIT Bombay	Govt. Agency (Central)	15-03-2019 00:00:00	15-03-2019 00:00:00	1	0	5	5	No	---	---	No	---
Intellectual Property Rights Role in Make in India	IPR	Workshop	AISSMS IOIT,Pune	Educational Institute	18-03-2019 00:00:00	19-03-2019 00:00:00	2	0	2	2	No	---	---	No	---
Introduction to R software	Entrepreneurship/Startup	Workshop	AISSMS IOIT,Pune	Educational Institute	29-11-2018 00:00:00	29-11-2018 00:00:00	1	0	2	2	No	---	---	No	---
Technical paper writing semina	Innovation	Workshop	AISSMS IOIT Pune	Educational Institute	20-03-2019 00:00:00	20-03-2019 00:00:00	1	0	2	2	No	---	---	No	---
OrchiTech 19	Innovation	Technical Festival	N.K Orchid Collage of Engineering and Technology	Educational Institute	03-08-2019 00:00:00	03-08-2019 00:00:00	1	7	0	7	No	---	---	No	---
WISOTECH 2K19	Innovation	Technical Festival	VVP institute of Engineering and Technology	Educational Institute	15-03-2019 00:00:00	15-03-2019 00:00:00	1	3	0	3	No	---	---	No	---

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

WITchar 19	Innovation	Technical Fest	Walchand Institute of Technology	Educational Institute	23-09-2019 00:00:00	24-09-2019 00:00:00	2	47	0	47	No	---	---	No	---
WEENGs 2K19	Innovation	Technical Fest	SKN Sinhgad College of Engineering	Educational Institute	30-03-2019 00:00:00	30-03-2019 00:00:00	1	4	0	4	No	---	---	No	---
AGTECH FEST 2K19	Entrepreneurship/Startup	Technical Fest	AGPatil Institute of Engineering and Technology	Educational Institute	30-07-2019 00:00:00	30-07-2019 00:00:00	1	6	0	6	No	---	---	No	---
Boot Camp Start Up Yatra	Entrepreneurship/Startup	Boot Camp	Walchand Institute of Technology	Educational Institute	17-10-2018 00:00:00	17-10-2018 00:00:00	1	30	5	35	No	---	---	No	---
Objective Based Learning	Innovation	Workshop	Department of General Science and Engineering	Educational Institute	24-09-2019 00:00:00	28-09-2019 00:00:00	5	0	30	30	No	---	---	Yes	13200
One Day Workshop on KOHA and Library Automation	Entrepreneurship/Startup	Workshop	Department of General Science and Engineering	Educational Institute	12-10-2018 00:00:00	12-10-2018 00:00:00	1	0	17	17	No	---	---	Yes	6000
One day Workshop on Moodle Learning Management System	Innovation	Workshop	Department of General Science and Engineering	Educational Institute	04-05-2019 00:00:00	04-05-2019 00:00:00	1	0	20	20	No	---	---	Yes	5000
Optimization techniques with Engineering Applications	Innovation	Workshop	Department of General Science and Engineering	Educational Institute	10-12-2018 00:00:00	14-12-2018 00:00:00	5	0	22	22	No	---	---	Yes	4000
Mathematical Techniques in Solving Engineering Problems	Innovation	Workshop	Department of General Science and Engineering	Educational Institute	29-04-2019 00:00:00	03-05-2019 00:00:00	5	0	14	14	No	---	---	Yes	4000
NBA Accreditation	Entrepreneurship/Startup	Workshop	Department of General Science and Engineering	Educational Institute	22-04-2019 00:00:00	26-04-2019 00:00:00	5	0	35	35	No	---	---	Yes	17000
FDP on Electrical Autocad	Entrepreneurship/Startup	Faculty Development Programme	SKN Sinhgad College of Engg Pandharpur	Educational Institute	24-12-2018 00:00:00	28-12-2018 00:00:00	5	0	1	1	No	---	---	No	---
National Conference on Recent Trends and Innovations in Engineering Science and Technology	Innovation	Conference	Sinhgad Institute of Technology and Science Narhe Pune	Educational Institute	14-02-2019 00:00:00	15-02-2019 00:00:00	2	0	1	1	Yes	Certificate	A case study in Architecture And Working Of Micro Grid	No	---

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

One day Workshop on Linux	Entrepreneurship/Startup	Workshop	Teaching Learning Centre ICT IIT Bombay	Govt. Agency (Central)	23-08-2019 00:00:00	23-08-2019 00:00:00	1	30	0	30	No	---	---	No	---
Faculty Development Program on Data Science	Entrepreneurship/Startup	FDP	MHRD Government of India	Educational Institute	13-05-2019 00:00:00	19-05-2019 00:00:00	7	0	70	70	No	---	---	No	---
Rubics Data Science	Entrepreneurship/Startup	Workshop	PMMMNMT National Mission of MHRD Govt of India	Govt. Agency (Central)	13-05-2019 00:00:00	19-05-2019 00:00:00	7	0	70	70	No	---	---	No	---
Online elearning Remote Sensing and Digital Image Analysis	Innovation	Workshop	IIRS Outreach programme	Govt. Agency (Central)	03-09-2019 00:00:00	28-09-2019 00:00:00	26	0	1	1	No	---	---	No	---
FDP on Data Science	Innovation	FDP	MHRD Govt of India	Educational Institute	24-06-2019 00:00:00	29-06-2019 00:00:00	6	0	1	1	No	---	---	No	---
OneNote Class Notebook A teachers all in one notebook for students	Innovation	Workshop	Microsoft At NBNSCOE	Educational Institute	24-12-2018 00:00:00	24-12-2018 00:00:00	1	0	25	25	No	---	---	No	---
Moodle Learning Management System	Innovation	Teaching Learning Centre ICT at IIT Bombay	PMMMNMT MHRD Govt of India	Educational Institute	15-03-2019 00:00:00	15-03-2019 00:00:00	1	0	30	30	No	---	---	No	---
Microsoft innovative educator	Innovation	Workshop	Microsoft	International Agencies	20-12-2018 00:00:00	20-12-2018 00:00:00	1	0	1	1	No	---	---	No	---
TechnoSinh 2K18	Entrepreneurship/Startup	Technical Conclave	NBNSCOE Solapur	Educational Institute	02-09-2018 00:00:00	02-09-2018 00:00:00	1	30	0	30	No	---	---	No	---
DISTA 2K18	Entrepreneurship/Startup	National Technical Event	NBNSCOE Solapur	Educational Institute	01-04-2019 00:00:00	01-04-2019 00:00:00	1	70	0	70	No	---	---	No	---
Industrial Visit at Enrich Solar Power Plant Solapur	Entrepreneurship/Startup	Industrial Visit	Electrical Department	Educational Institute	24-08-2019 00:00:00	24-08-2019 00:00:00	1	60	2	62	No	---	---	No	---
Industrial Visit at Electrical Locomotive Carshed Kurla	Entrepreneurship/Startup	Industrial Visit	Electrical Department	Educational Institute	15-09-2019 00:00:00	15-09-2019 00:00:00	1	45	3	48	No	---	---	No	---



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

Center for Research and Technological Development	Incubation Unit	2016	N B Navale Sinhgad College of Engineering, CSE Building First floor, Gate No. 38/1 B, Kegaon Solapur Pune Highway 413255	Facility Incharge Name	Dr. Jyoti Nadargi	775 Sq. Ft.	Yes		No
				Facility Incharge Email	guravijoti@gmail.com		Annual Capital Expenditure (In Rupees)	1300000	
				Facility Incharge Phone	09881402277		Annual Operational Expenditure (In Rupees)	843000	
Center for Cloud Physics Research	Centre of Excellence with Advance Tools & Equipment	2017	N B Navale Sinhgad College of Engineering, Department of Mechanical Engineering , Gat No. 38/1 B, Kegaon, Solapur Pune Highway, Solapur-413255 , Maharashtra.	Facility Incharge Name	Prof. P. P. Tapkire	1615 Sq. Ft.	Yes		No
				Facility Incharge Email	pptapkire.nbnscoe@sinhgad.edu		Annual Capital Expenditure (In Rupees)	210000	
				Facility Incharge Phone	9767890517		Annual Operational Expenditure (In Rupees)	3739202	

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

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Center for Research and Technological Development	Funding Agency	Department of Science and Technology	Govt. Agency (Central)	Yes	1300000
Center for Cloud Physics Research	Funding Agency	Indian Institute of Tropical Meteorology (IITM)	Govt. Agency (Central)	Yes	2372370

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

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?
Aerosol properties measurement using optical particle counter	Center for Cloud Physics Research	TRL 0 : Idea. Unproven concept, no testing has been performed.	Faculty	2019	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 0 : Idea. Unproven concept, no testing has been performed.	No	No	No



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

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Innovations for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19?																									
<table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Prof S. S. Shirgan</td> <td>Faculty</td> <td>Male</td> <td>ssshirgan@gmail.com</td> <td>8087856504</td> </tr> </tbody> </table>											Principal Innovator					Name	Type	Gender	Email	Contact	Prof S. S. Shirgan	Faculty	Male	ssshirgan@gmail.com	8087856504										
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Total Sky Imager	Center for Cloud Physics Research	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	No																									
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Co-Innovator																																			
Name	Type	Gender	Email	Contact																															
Jakler Mubin Salim	Student	Male	mjstdnbn96@gmail.com	7066051131																															
Vijapure Shruti Shashikant	Student	Female	shrutivijapure23@gmail.com	9881030906																															
Kalyanshetti Soumya Dayanand	Student	Female	soumya8398@gmail.com	7028810255																															
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To design and implement robotic arm (Autosampler) for collecting aierosol samples by using controller	Center for Cloud Physics Research	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2017	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	No																									

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	<b>Principal Innovator</b>										
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	Real time weather monitoring from remote location using Raspberry Pi (Part 1)	Center for Cloud Physics Research	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2017	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	No
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Automatic weather parameter monitoring and measuring		Center for Cloud Physics Research	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Faculty and Student	2017	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	No	No	No

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<b>Co-Innovator</b>										
Name			Type		Gender		Email		Contact	
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Basargi Vrushali Rajesh			Student		Female		basargivrushali@gmail.com		7385060407	
Bukka Shubhangi Ashok			Student		Female		hshubhangibukka3@gmail.com		9156093919	

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

<b>No Data Filled!</b>
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## Co-Incubation Partnership

<b>No Data Filled!</b>
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## Technology Commercialization / Transfer

<b>No Data Filled!</b>
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Responsibility for accuracy and authenticity of data lies with the concerned institution.