



# ARIIA

## ATL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MoE**  
Ministry of Education  
Government of India

### Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Bapurao Deshmukh Engineering College, Sewagram [ARI-C-18935]

### List all the departments / centers / units are part of innovation and startup ecosystem of the institute

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Beneficiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Electronics and power Engineering	Academic Department with lab facility	Electrical Engineering	UG / PG / PhD	Technical	128	7	7
2	Electronics and Telecommunication Engineering I st and IInd shift	Academic Department with lab facility	Electronics and Telecommunication Engineering	UG / PG / PhD	Technical	75	11	7
3	Computer Engineering	Academic Department with lab facility	Computer Engineering	UG / PG / PhD	Technical	210	15	8
4	Mechanical Engineering Ist and IInd shift	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	270	17	13
5	Civil Engineering I st and II nd shift	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	347	17	8
6	First Year Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	153	12	7
7	Incubation centre	Incubation Unit	pre incubation and incubation of startup	At all level	Both	5	3	1
8	IPR cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Motivate, educate and file the patents	At all level	Both	6	2	0
9	Training and Placement	Industry Institute Interface Unit	Interaction with industry and motivation to students for training and internships	At all level	Technical	207	6	2
10	M. Tech Computer Science and engineering	Academic Department with lab facility	Computer science and engineering	UG / PG / PhD	Technical	17	2	2
11	M. Tech CAD-CAM	Academic Department with lab facility	Mechanical engineering	UG / PG / PhD	Technical	6	2	1
12	M. Tech VLSI	Academic Department with lab facility	Electronic and telecommunication engineering	UG / PG / PhD	Technical	7	1	1

**List all the departments / centers / units are part of innovation and startup ecosystem of the institute**

13	M. Tech Electronics	Academic Department with lab facility	Electronics Engineering	UG / PG / PhD	Technical	1	1	1
14	M. Tech Structural	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	31	2	1
15	Research and Development cell	Research Unit / Park	Research in technology	At all level	Technical	20	6	1

**Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)**

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	YES	IIC Registration ID : IC201912327
Trained Innovation Ambassadors at HEI	YES	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

Srno	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?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Two Days Workshop on "Awareness of Ethical Hacking and Cyber Security"	Innovation	Workshop	Institute Lead Activity	Computer Engineering	23-09-2019 00:00:00	24-09-2019 00:00:00	2	Within Campus	66	5	0	0	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 36300	No
2	One day Seminar on "Conversation with Public Cloud"	Innovation	Seminar	Institute Lead Activity	Computer Engineering	13-02-2020 00:00:00	13-02-2020 00:00:00	1	Within Campus	67	10	0	0	77	No	No
3	Workshop on Computer System Hardware Assembling	Entrepreneurship/Start-up	Workshop	Institute Lead Activity	Computer Engineering	10-08-2019 00:00:00	10-08-2019 00:00:00	1	Within Campus	56	4	0	0	60	No	No

**Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI**

4	A National Level Techfest "Wheelspin 2020"	Innovation	Innovation Contest	Institute Lead Activity	Computer Engineering in association with faculties from other Department	25-02-2020 00:00:00	25-02-2020 00:00:00	1	Within Campus	750	50	236	0	1036	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	231390	Award / Position / Recognition Secured	1 st rank, 2nd rank, 3rd rank
																Title of Innovation / Start-up Secured the Award / Recognition	Ignite Competition, Nirmaan Competition, Project Exhibition on various innovative ideas and model making competition	
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype	
5	one week workshop on Industrial automation	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	Electrical Engineering	22-01-2020 00:00:00	25-01-2020 00:00:00	4	Within Campus	51	2	0	0	53	No	No		

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

Srno	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 activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	One day workshop on intellectual property rights protection and procedure	IPR	Awareness	Yeshwant Mahavidyalaya, Wardha	Educational Institute	14-03-2020 00:00:00	14-03-2020 00:00:00	1	0	4	4	No	---	---	No	No
2	Prajwalan 20	Innovation	Innovation Contest	Government College of Engineering, Amravati	Educational Institute	25-02-2020 00:00:00	25-02-2020 00:00:00	1	28	0	28	No	---	---	No	No

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

3	Hackathon 2.0	Innovation	Hackathon	Mayor Innovation Award, NMC, Nagpur	Govt. Agency (State)	23-08-2019 00:00:00	24-08-2019 00:00:00	2	5	0	5	Yes	Merit Certificate	Solution to avoid oil leaking and pilferage from pipe	No	Award / Position / Recognition Secured	Merit Certificate
																Title of Innovation / Start-up Secured the Award / Recognition	Solution to avoid oil leaking and pilferage from pipe
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
4	Antaheen 19.0	Innovation	Innovation Contest	Yashwantrao Chavan College of Engineering, Nagpur	Educational Institute	23-08-2019 00:00:00	24-08-2019 00:00:00	2	4	0	4	Yes	Second Rank	Bridge Building competition	No	Award / Position / Recognition Secured	Second Rank
																Title of Innovation / Start-up Secured the Award / Recognition	Bridge Building competition
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
5	Technovision 12.0	Innovation	Innovation Contest	Shri Ramdeobaba College of Engineering and Management Nagpur	Educational Institute	29-08-2019 00:00:00	30-08-2019 00:00:00	2	4	0	4	Yes	First Rank	Area 51 competition (Robo race)	No	Award / Position / Recognition Secured	First Rank
																Title of Innovation / Start-up Secured the Award / Recognition	Area 51 competition (Robo race)
																Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

**Section 1 > ii : Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI**

6	AXIS 20	Innovation Contest	Visvesvaraya National Institute of Technology Nagpur	Educational Institute	28-02-2020 00:00:00	01-03-2020 00:00:00	3	6	0	6	Yes	1st and 2nd rank	Crepido Competition and Manual Robotics competition	No	Award / Position / Recognition Secured	1st and 2nd rank
															Title of Innovation / Start-up Secured the Award / Recognition	Crepido Competition and Manual Robotics competition
															Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

**Section 2 > i : List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)**

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Industrial Economics and Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical Engineering	01-07-2020	15-12-2020	168	Online	73	40
2	Industrial Economics and Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Computer Engineering	01-07-2020	15-12-2020	168	Online	21	40

**Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)**

No Data Filled!
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**Section 2 > iii : List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)**

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Dr.U.D.Gulhane	Mechanical Engineering	Professor	No	Yes				
	<b>Training Name</b>	<b>Training Theme</b>	<b>Type of Course</b>	<b>Training Agency Name</b>	<b>Training Agency Type</b>	<b>Training Start Date</b>	<b>Training End Date</b>	<b>Training Duration (in Days)</b>	<b>Mode of Delivery</b>
2	Dr. R. J. Dahake	Mechanical Engineering	Associate Professor	No	No				
3	Prof. M. S. Jibhakate	Mechanical Engineering	Associate Professor	No	No				
4	Prof. R. W. Patil	Mechanical Engineering	Associate professor	No	No				
5	Dr. M. J. Sheikh	Mechanical Engineering	Associate Professor	No	No				
6	Prof. N. P. Joshi	Mechanical Engineering	Associate Professor	No	No				

7	Prof. R. D. Thakare	Mechanical Engineering	Assistant Professor	No	No
8	Prof. A. V. Tupkar	Mechanical Engineering	Assistant Professor	No	No
9	Dr. B. V. Lande	Mechanical Engineering	Assistant Professor	No	No
10	Dr. J. B. Fulzele	Electrical Engineering	Assistant Professor	No	No
11	Prof. D. K. Bhingare	Electrical Engineering	Associate Professor	No	No
12	Prof. S. D. Zilpe	Electrical Engineering	Assistant Professor	No	No
13	Prof. K. N. Sawalakhe	Electrical Engineering	Assistant Professor	No	No
14	Prof. M. N. Thakare	Electronics and Telecommunication	Associate Professor	No	No
15	Prof. P. R. Indurkar	Electronics and Telecommunication	Associate Professor	No	No
16	Dr. G. D. Korde	Electronics and Telecommunication	Assistant Professor	No	No
17	Dr. J. D. Dhande	Electronics and Telecommunication	Assistant professor	No	No
18	Prof. D. M. Khatri	Electronics and Telecommunication	Assistant Professor	No	No
19	Dr. A. N. Thakare	Computer Engineering	Assistant Professor	No	No
20	Prof. K. V. Warkar	Computer Engineering	Assistant Professor	No	No
21	Dr. G. V. Thakre	Mechanical Engineering	Professor	No	No
22	Prof. S. N. Dagadkar	Computer Engineering	Associate professor	No	No
23	Prof. A. D. Gotmare	Computer Engineering	Assistant professor	No	No
24	Dr. S. G. Makrande	Civil Engineering	Professor	No	No
25	Prof. R. S. Kedar	Civil Engineering	Associate Professor	No	No
26	Prof. R. G. Baise	Civil Engineering	Professor	No	No
27	Prof. G. D. Dhawale	Civil Engineering	Professor	No	No
28	Prof. M. R. Nikhar	Civil Engineering	Assistant Professor	No	No
29	Prof. M. M. Lohe	Civil Engineering	Assistant Professor	No	No
30	Dr. P. S. Sawad	First year	Professor	No	No
31	Dr. Chaware	First year	Associate Professor	No	No

**Section 3 > i : List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus**

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activities Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	The First Lab	Idea Club	2007	Co-working Space,3D Printing	Pre-Incubation Unit,Innovation Labs,IPR Cell/Technology Transfer Centre	5	Mr. Akshay Bhongre	akshay.s.bhongre@gmail.com	8806994939

**Section 3 > ii > a : List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)**

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?						
1	BDCE Pre-Incubation Centre	Maker's Space	2019	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	Innovation Labs,IPR Cell/Technology Transfer Centre,Student Clubs	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Mr. A. V. Tupkar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>atulpce@rediff.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9822736848</td> </tr> </table>	Facility Incharge Name	Mr. A. V. Tupkar	Facility Incharge Email	atulpce@rediff.com	Facility Incharge Phone	9822736848	1	Yes	No	Yes
Facility Incharge Name	Mr. A. V. Tupkar																
Facility Incharge Email	atulpce@rediff.com																
Facility Incharge Phone	9822736848																
Source of Grant / Fund				Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)								
Institute's Own Fund / Resource				BDCE, Sevagram			Educational Institute		50000								

**Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)**

No Data Filled!

**Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)**

No Data Filled!

**Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)**

No Data Filled!

**Section 3 > ii > e : List the IPR Cell/Technology Transfer Centre Facilities at the HEI**

No Data Filled!

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.U.D.Gulhane	Professor	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	15

**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
	Production of Natural ice-cream with local fruits		Outside	It is a proprietorship
	Manufacturing of Lithium batteries		Outside	U31909MH2017PTC297463
	Innovative Lighting solutions		Outside	U74120MH2013PTC241265
2	Dr. R. J. Dahake	Associate Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	25
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
Energy efficient equipment like toridal transformer, voltage stabilizers, inverters, financial management		Outside	U31102MH1995PTC095287	
3	Prof. M. S. Jipkate	Associate Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	20
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
	Material handling, scrap management, Ergonomics, Productivity Improvement, product utilization, inventory Management		Outside	U29210MH1999PLC120943
	Material handling, scrap management, Ergonomics, Productivity Improvement, product utilization, inventory Management		Outside	U29240MH2004PTC145024
Material handling, scrap management, Ergonomics, Productivity Improvement, product utilization, inventory Management		Outside	U34100MH1999PTC120942	
4	Prof. R. W. Patil	Associate professor	Idea/Innovation Development,Entrepreneurship/Startup Development	20
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
Agro producing machine development, non convention energy production		Within		
5	Dr. M. J. Sheka	Associate Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	20
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
Agronomics design of industrial furniture		Within		
6	Prof. N. P. Joshi	Associate Professor	Idea/Innovation Development	20
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
Micro level inventory management, Marketing		Outside		
7	Prof. R. D. Thakare	Assistant Professor	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	15
	<b>Name of Idea/Innovation/ Startup Mentored</b>		<b>Mentoring Setup [Within (or) Outside] HEI</b>	<b>CIN (in case it is Startup)</b>
	Agriculture tools and development		Outside	U29240MH2004PTC145024
Product development, Industry 4		Outside	U74120MH2015PTC269819	
8	Prof. A. V. Tupkar	Assistant Professor	Idea/Innovation Development,Entrepreneurship/Startup Development	10



**Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups**

	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Child care equipment		Outside	
9	Dr. J. B. Fulzele	Assistant Professor	Idea/Innovation Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Designing, simulation, optimization and fabrication of renewable energy system		Within	
10	Prof. K. V. Warkar	Assistant Professor	Idea/Innovation Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Network security, artificial intelligence		Within	
11	Dr. A. N. Thakare	Assistant Professor	Idea/Innovation Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Wireless sensor network		Within	
12	Prof. D. M. Khatri	Assistant Professor	Idea/Innovation Development	14
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	micro controller, IOT,		Within	
13	Dr. G. D. Korde	Assistant Professor	Idea/Innovation Development	13
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	communication		Within	
14	Prof. S. D. Zilpe	Assistant Professor	Idea/Innovation Development	10
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Electric vehicles, wind turbine, solar based project		Within	
15	Prof. K. N. Sawalakhe	Assistant Professor	Idea/Innovation Development	13
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Renewable energy, drives, designing of inverter		Within	
16	Dr. J. D. Dhande	Assistant professor	Idea/Innovation Development	12
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Artificial neural network		Within	

**Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups**

No Data Filled!

**Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received**

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation/ Stage of TRL it started receiving the Support during the FY 2019-20	Stage of Innovation/ Stage of TRL reached as on 31st March 2020	Status Pre-Incubation/Incubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/ Startup/ SME Unit during the financial period 2019-20	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 2019-20	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI 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 2019																						
1	IDENTIFICATION OF ARTIFICIALLY RIPENED FRUITS USING MATLAB	Process Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation - Concept and application have been formulated.	TRL 2 : Technology formulation - Concept and application have been formulated.	Innovation Development Ongoing	No	No	No	No	No																						
					<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Ms Nikita Hatmode</td> <td>Student</td> <td>Female</td> <td>nikitahatmode26@gmail.com</td> <td>9604648507</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Ms Nikita Hatmode	Student	Female	nikitahatmode26@gmail.com	9604648507																			
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Name	Type	Gender	Email	Contact																															
Prof M. N. Thakre	Faculty	Male	mnt.ent@rediffmail.com	9423620513																															
Dr. U D Gulhane	Faculty	Male	udgulhane@rediffmail.com	9881964523																															
Prof P. R. Indurkar	Faculty	Male	prindurkar2014@gmail.com	9422116333																															

2	SMART PILL BOX SYSTEM FOR PATIENTS AND BLIND PEOPLE	Product Innovation	Technological		Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Completed	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Ms Disha A Rajgure		Student			Female			disharajgure@gmail.com			9356626816		
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Prof R D Kadam		Faculty			Male			ravirkadam@gmail.com			9890724836		
Dr. U D Gulhane		Faculty			Male			udgulhane@rediffmail.com			9881964523		
3	BIAXIAL ROTATING VARIABLE SPEED SMART BABY CRADLE	Product Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation - Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly prototype).	Innovation Development Ongoing	No	No	No	No	No
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Prof Atul B Tupkar		Faculty			Male			atulpce@rediffmail.com			9822736848		
<b>Name</b>		<b>Type</b>			<b>Gender</b>			<b>Email</b>			<b>Contact</b>		
Dr. U D Gulhane		Faculty			Male			udgulhane@rediffmail.com			9881964523		
Mr. Hrishikesh Patmase		Student			Male			-			-		
Dr. Jayshri Dhande		Faculty			Female			-			-		
Prof. Ms. Deepali Khatri		Faculty			Female			-			-		

4	DEVICE FOR PURIFICATION OF WASTE WATER USING LOCAL MATERIAL AND FORMATION OF VERMICOMPOST	Product Innovation, Process Innovation	Technological		Student-Faculty	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Prof. Mayur Lohe	Faculty	Male	mlohe75@gmail.com	7498754824

Name	Type	Gender	Email	Contact
Dr U D Gulhane	Faculty	Male	-	-
Ms Akshada Bobade	Student	Female	-	-
Ms. Sakshi Waghale	Student	Female	-	-
Mr. Pranay Bhandarkar	Student	Male	-	-
Prof Atul Tupkar	Faculty	Male	-	-
Mr Suraj Gutta	Student	Male	-	-

5	FLOOR CLEANING MACHINE	Product Innovation	Technological		Alumni	TRL 2 : Technology formulation . Concept and application have been formulated.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Completed	No	No	No	No	No
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Name	Type	Gender	Email	Contact
Dr. Naandkishor Sawai	Alumni Entrepreneur	Male	nandkishor_sawai@rediffmail.com	9921194785

Name	Type	Gender	Email	Contact
Dr U D Gulhane	Faculty	Male	udgulhane@rediffmail.com	9881964523
Dr A R Sahu	Innovator/Entrepreneur External to Institute	Male	-	-

6	POTTER'S WHEEL ROTATES BY RATCHETS MECHANISM	Product Innovation	Technological		Alumni	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No
Name		Type			Gender		Email			Contact			
Dr Nandkishor Sawai		Alumni Entrepreneur			Male		nandkishor_sawai@rediffmail.com			9921194785			
Name		Type			Gender		Email			Contact			
Dr U D Gulhane		Faculty			Male		-			-			
Prof Atul Tupkar		Faculty			Male		-			-			

**Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI**

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre-Incubation/Incubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registered as	Year of Registration	What is the current status of Pre-Incubation/Incubation Support to Venture/Startup/SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019-20?	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishment during the financial period 2019-20	Had the venture/startup raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or HEI during the financial period 2019-20	Had the Pre-incubation/Incubation Centre/HEI received any income/revenue from venture/startup for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2019-20	Has the Startup Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
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1	Perfect Bliss	Product Innovation	Technological	6378	External to the Institute/Incubatee	Venture with MSME Registration No	Not Yet received	2019-20	Received Incubation Support from Incubation Unit	No	No	No	No	
					Venture with GST No		27A							
	Name		DIN number		Type		Gender		Email		Contact			
Ms Harshada Thawari		Not Applicable		Innovator/Entrepreneur External to Institute		Female		perfectbliss2021@gmail.com		9960714527				
Mr. Ashutosh Thawari		Not Applicable		Alumni Entrepreneur		Male		perfectbliss2021@gmail.com		9960714527				
2	Starka Innovative Systems Private Limited	Product Innovation	Technological	6378	External to the Institute/Incubatee	Venture with Corporate Identification Number (CIN) Registration	U31909MH 2017PTC29 7463	2017-18	Received Incubation Support from Incubation Unit	No	No	No	Yes	
	Name		DIN number		Type		Gender		Email		Contact			
	Mr. Yogesh Rane		06640970		Innovator/Entrepreneur External to Institute		Male		info@starka.in		7774050111			
	Mr. Anoop Nistane		06751655		Innovator/Entrepreneur External to Institute		Male		-		-			
Mr. Manish Jadhav		06640937		Innovator/Entrepreneur External to Institute		Male		-		-				

**Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI**

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Bright ray luminari wardha	Corporate / Industry Association	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Incubation, Mentoring, Networking	nil	31-08-2019

**Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner**

**No Data Filled!**

**Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner**

**No Data Filled!**

**Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI**

**No Data Filled!**

**Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner**

Sno	Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder		Centre / Department of Origin of Licence	Licence Transferred to		Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
1	Turmeric Seed Sowing machine	IP/Patented Technology	One-time transfer/Licensing	201621005248	Patent/Licence Holder name (Institute Co-ownership is Must)	Prof Rajesh D Thakre, B, D College of Engg, Sevagram	Mechanical Engineering	Licence Transferred to	Industry	No	---
				Contact number of license holder	9850309351	Name of Industry/Start-up/Agency Received License/Technology		Sagar International Private Limited			
				Email of Licence holder	rdthakre@rediffmail.com	Address of Agency		PLOT NO A-28MIDC INDUSTRIAL AREA WARDHA -442001			
				Gender	Male	Contact Number of Agency		9422140285			
						Email of Agency		sagarltd@rediffmail.com			

## Declaration

To,  
The ARIIA Committee  
MHRD's Innovation Cell  
New Delhi

### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Girish Vishweshwarrao Thakre (Head of Institute) and Mr. Jyoti Bhagaanrao Fulzele (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



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Dr. Girish Vishweshwarrao Thakre  
Head of the Institution,  
Wardha, Maharashtra

Nodal officer



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Mr. Jyoti Bhagaanrao Fulzele  
Nodal Officer,  
Wardha, Maharashtra