



# 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: (A.B.M.S.) Akhil Bharatiya Maratha Shikshan Parishad's College of Engineering & Research Address: S. No. 103, Shahu College Campus, Parvati, Taluka: Pune (corporation Area) District: Pune - 411009 [ARI-C-41484]

### 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	Civil Engineering, Computer Engineering, Information Technology, Electronics and Telecommunication Engineering, Mechanical Engineering	Academic Department with lab facility	Engineering	UG / PG / PhD	Technical	823	68	26

### 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	NO	Not Required
Trained Innovation Ambassadors at HEI	NO	Not Required
Participation in Smart India Hackathon (SIH)	No	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	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Institute in association with Department of Science and Technology, GOI	02-01-2020 00:00:00	04-01-2020 00:00:00	3	Within Campus	80	10	0	0	90	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>20000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000																	

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

2	EMERGING TRENDS IN ELECTRIC VEHICLE TECHNOLOGY: OPPORTUNITY AND CHALLENGES	Entrepreneurship/Startup	Awareness	Institute Lead Activity	Department of Mechanical Engineering, APCOER in association with Science and Engineering Research Board (SERB), Department of Science and Technology, GOI	11-02-2020 00:00:00	15-02-2020 00:00:00	5	Within Campus	1	14	28	28	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	70000	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**

No Data Filled!

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

No Data Filled!

**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!

**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. Ashok Saraf	Science and Technology Pune	Trustee	No	No
2	Dr. N. B. Pasalkar	Technical Education	Ex Director	No	No
3	Dr. S. S. Mantha	AICTE	Ex Chairman	No	No
4	Mr. Ashok Ranade	Softline California	Project Manager	No	No
5	Mr. Atul Marathe	IBM Pune	Industry Leader	No	No
6	Mr. Mahesh Vaidya	Precision Power Products Private Ltd Pune	Director	No	No
7	Prof. Suhas Deshpande	S D Deshpande Consulting Engineers Pune	Chief Consultant	No	No
8	Dr. Padmakar Kelkar	Brightstar Electronics Pvt Ltd Pune	Director	No	No

9	Mr. Sudarshan Natu	Nital Computer System Pvt Ltd Pune	Managing Director	No	No				
10	Mr. P. S. Kapileshwar	MMRDA	Ex Chief	No	No				
11	Mr. Deepak Modak	Hydro Project Pune	Ex Chief Engineer	No	No				
12	Mr. Sagar Gawande	Civil	Assistant Professor	Yes	No				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
13	Dr. Balaji Selukar	FE (CHEMISTRY)	Assistant Professor	Yes	No				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
14	Mr Sarangkumar Dubey	Information Technology	Assistant Professor	Yes	No				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery
	facultp Debelopment Programme in Entrepreneurshp	Entrepreneurship/Startup	FDP in I&E, IPR	Science and Technology Park Savitribai Phule Pune University Campus, Pune	Govt. Agency (Central)	09-12-2020 00:00:00	20-12-2020 00:00:00	12	Offline
Faculty Development Programme in Entrepreneurship	Entrepreneurship/Startup	FDP in I&E, IPR	Science and Technology Park Savitribai Phule Pune University Campus, Pune	Govt. Agency (Central)	09-12-2020 00:00:00	20-12-2020 00:00:00	12	Offline	

**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**

No Data Filled!

**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)**

No Data Filled!

**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)**

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility 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 Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
------	-----------------------------	-----------------------	---	---	------------------	---	--	--	--

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

1	Poly House	2019	Pre-Incubation	Jain Irrigation System Ltd	Facility Incharge Name	Amit Ashokrao Kadam	05	Yes	No	Yes
					Facility Incharge Email	amit.kadam@abmspcorpune.org				
					Facility Incharge Phone	9730012424				
Source of Grant / Fund		Agency Name			Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)			
Funding Agency		Jain Irrigation System Ltd			Not-Govt. Agencies		424094.85			
2	Non-conventional sources of energy	2017	Pre-Incubation	0	Facility Incharge Name	Sneha Salvekar	04	Yes	No	No
					Facility Incharge Email	sneha.salvekar@abmspcorpune.org				
					Facility Incharge Phone	7387772481				

**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. Ashok Saraf	Trustee	Idea/Innovation Development	30
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Smart Poly House		Within	
2	Mr. Sudarshan Natu	Managing Director	Entrepreneurship/Startup Development	20

**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)
	Computer		Outside	
3	Mr. Atul Marathe	Industry Leader	Entrepreneurship/Startup Development	30
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Business Solution		Outside	
4	Mr. Mahesh Vaidya	Director	IPR Protection & Commercialization	30
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Power Products		Outside	
5	Mr. Deepak Modak	Ex Chief Engineer	Idea/Innovation Development	30
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Hydro Projects		Outside	
6	Dr. S. S. Mantha	Ex Chairman	IPR Protection & Commercialization	25
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Mechanical Engineering		Outside	
7	Prof. Suhas Deshpande	Chief Consultant	IPR Protection & Commercialization	37
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Mechanical Engineering		Outside	
8	Dr. Padmakar Kelkar	Director	Entrepreneurship/Startup Development	44
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Electronics		Outside	

**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	Implementation of a Wearable Defense System for Women?s security using Wireless Sensor Network and analyzing sensitive areas	Product Innovation	Technological	Savitribai Phule Pune University	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>240000</td> </tr> </table>	Grant Amount in Rs	240000	No	No								
Grant Amount in Rs	240000																						
		<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>Rama Bhagwatrao Gaikwad</td> <td>Faculty</td> <td>Female</td> <td>rama.gaikwad@abmspcorpune.org</td> <td>8600014367</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Rama Bhagwatrao Gaikwad	Faculty	Female	rama.gaikwad@abmspcorpune.org	8600014367										
Name	Type	Gender	Email	Contact																			
Rama Bhagwatrao Gaikwad	Faculty	Female	rama.gaikwad@abmspcorpune.org	8600014367																			
		<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>Pranali Prakash Mahadik</td> <td>Faculty</td> <td>Female</td> <td>pranali.mahadik@abmspcorpune.org</td> <td>8796900428</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Pranali Prakash Mahadik	Faculty	Female	pranali.mahadik@abmspcorpune.org	8796900428										
Name	Type	Gender	Email	Contact																			
Pranali Prakash Mahadik	Faculty	Female	pranali.mahadik@abmspcorpune.org	8796900428																			
2	Real Time Speech and Speaker Recognition for Forensic Application	Product Innovation	Technological	Savitribai Phule Pune University	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	<table border="1"> <tr> <td>Grant Amount in Rs</td> <td>300000</td> </tr> </table>	Grant Amount in Rs	300000	No	No								
Grant Amount in Rs	300000																						

Name		Type				Gender		Email			Contact		
Mandar Nitin Kakade		Faculty				Male		mandar.kakade@abmspcoerpune.org			9850706789		
3	Design and Development of Sprinkling Nozzle in Drone	Product Innovation	Technological	Savitribai Phule Pune University	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 0 : Idea. Unproven concept, no testing has been performed.	Innovation Development Ongoing	No	No	Grant Amount in Rs 300000	No	No
	Chetan Eknath Kolambe		Faculty				Male		chetan.kolambe@abmspcoerpune.org			9552201336	

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

Sr no	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 or institute during the financial period 2019-20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Tech Dzure Solar Pvt Ltd	Process Innovation	Technological	1189	Alumni	Venture with Corporate Identification Number (CIN) Registration	2017-18	Received Incubation Support from Incubation Unit	No	No	No	No	No

Name	DIN number	Type	Gender	Email	Contact
Girish Nigade	07840232	Alumni Entrepreneur	Male	director@techdziresolar.com	8605159747

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

**No Data Filled!**

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

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image]	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	REAL TIME EEG CAP FOR EPILEPSY DIAGNOSIS	IPRFiledPublished	201921016593	National	2019 - 04	Uploaded	Filed	No
Department/Centre Name								
Electronics and Telecommu								
2	A MACHINE LEARNING MODEL FOR DETECTING RESPIRATORY PROBLEMS USING VOICE RECOGNITION	IPRFiledPublished	201921018997	National	2019 - 05	Uploaded	Filed	No
Department/Centre Name								
Information Technology								

**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**

**No Data Filled!**

**List the patent Published & Granted to HEI**

**No Data Filled!**



## Declaration

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

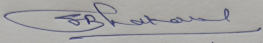
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. SUNIL BHIMRAO THAKARE (Head of Institute) and Mr. SIDDHESHWAR MACHINDRA KEKAN (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



05/03/2021

Dr. SUNIL BHIMRAO THAKARE  
Head of the Institution,  
Pune, Maharashtra

Nodal officer



05/03/2021

Mr. SIDDHESHWAR MACHINDRA KEKAN  
Nodal Officer,  
Pune, Maharashtra