



ARIIA

ATAL 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: RAJARAM COLLEGE KOLHAPUR [ARI-C-11113]

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	Department of Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Non-Technical	350	9	5
2	Physics	Academic Department with lab facility	Science Physics	UG / PG / PhD	Non-Technical	300	5	4
3	Electronics	Academic Department with lab facility	Science Electronics	UG / PG / PhD	Non-Technical	100	1	1
4	Microbiology	Academic Department with lab facility	Science-Microbiology	UG / PG / PhD	Non-Technical	300	3	3
5	Botany	Academic Department with lab facility	life sciences	UG / PG / PhD	Non-Technical	400	3	4
6	Zoology	Academic Department with lab facility	Life Sciences	UG / PG / PhD	Non-Technical	350	2	2
7	Geography	Academic Department with lab facility	Geography	UG / PG / PhD	Non-Technical	50	2	2
8	Home Science	Academic Department with lab facility	Home Science	UG / PG / PhD	Non-Technical	100	1	1
9	Economics	Academic Department with lab facility	Economics	UG / PG / PhD	Non-Technical	100	2	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	No	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

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

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	Indian space research program: A legacy of Dr. Vikram Sarabhai	Innovation	Seminar	Institute Lead Activity	Physics	28-12-2019 00:00:00	28-12-2019 00:00:00	1	Within Campus	350	5	0	0	355	No	No
2	Mission Chandrayan	Innovation	Awareness	Institute Lead Activity	Physics	28-12-2019 00:00:00	28-12-2019 00:00:00	1	Within Campus	33	5	0	0	38	No	No
3	Organization of district level Research Competition: Avishkar. In association with Shivaji University, Kolhapur	Innovation	Innovation Contest	Institute Lead Activity	Shivaji University and Rajaram College	06-01-2020 00:00:00	06-01-2020 00:00:00	1	Within Campus	173	20	150	10	353	No	No
4	"An orientation to Entrepreneurship, Why? What? How? To startup	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Rajaram College Kolhapur	27-07-2019 00:00:00	27-07-2019 00:00:00	1	Within Campus	50	5	0	0	55	No	No
5	Patenting in Research	IPR	Seminar	Institute Lead Activity	Botany	16-12-2019 00:00:00	16-12-2019 00:00:00	1	Within Campus	70	20	40	10	140	No	No
6	One day workshop for career guidance: Prosperity through Entrepreneurship	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Placement cell	21-09-2019 00:00:00	21-09-2019 00:00:00	1	Within Campus	300	6	0	0	306	No	No

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

7	Innovative program for exploring student skills and talent : Exhibition: Highlighting role of Microbes in fermented food products (Food Villa)	Entrepreneurship/Startup	Exhibition	Student Lead Activity	Microbiology	15-01-2020 00:00:00	15-01-2020 00:00:00	1	Within Campus	50	10	0	0	60	No	No
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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	Exposer for Research at undergraduate level interdisciplinary subject like atmospheric science addressing ecological problem	Innovation	Exposure visit	Sanjay Ghodawat University	Educational Institute	01-08-2019 00:00:00	09-08-2019 00:00:00	9	2	1	3	No	---	---	No	No
2	Space Development nexus	Innovation	Exposure visit	Space Development nexus, New Delhi west	Non-Govt. Agencies	01-09-2019 00:00:00	30-09-2019 00:00:00	30	2	1	3	No	---	---	No	No
3	Tata institute of fundamental research visit	Innovation	Exhibition	Tata institute of fundamental research	Govt. Agency (Central)	23-02-2020 00:00:00	23-02-2020 00:00:00	1	6	1	7	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

4	Pioneer	Innovation	Conference	KIT college kolhapur	Educational Institute	08-01-2020 00:00:00	08-01-2020 00:00:00	1	4	0	4	Yes	2nd rank	Antiweed activity of PSB	No	Award / Position / Recognition Secured	2nd rank
																Title of Innovation / Start-up Secured the Award / Recognition	Antiweed activity of PSB
																Award/Recognition/Achievement Received for	Novel Research Paper/Work

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	Government laws regulations and entrepreneur development	IPR	Elective/Core Credit Course	Bachelor	Industrial microbiology	01-12-2019	30-06-2020	212	Offline	26	40
2	Sericulture	Entrepreneurship/Startup	Short term Course	Bachelor	Zoology	01-09-2019	29-02-2020	182	Offline	34	60
3	Energy audit	Entrepreneurship/Startup	Short term Course	Bachelor	Physics	15-08-2019	13-10-2019	60	Offline	50	60
4	Food and Nutrition Extension Education	Entrepreneurship/Startup	Short term Course	Bachelor	Home Science	17-02-2020	17-03-2020	30	Offline	272	35
5	Hands on training of QGIS	Entrepreneurship/Startup	Short term Course	Bachelor	Geography	17-02-2020	28-03-2020	41	Offline	15	35
6	Certificate Course in Hindi Translation	Entrepreneurship/Startup	Short term Course	Bachelor	Hindi	02-12-2019	02-01-2020	32	Offline	30	30
7	SCILAB Techniques by Department of Mathematics	Entrepreneurship/Startup	Short term Course	Bachelor	Mathematics	11-09-2019	16-10-2019	36	Offline	30	32

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)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	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	Stock market entrepreneurship	Entrepreneurship/Startup	Employment Generation Training Programs	Economics	03-02-2020	03-03-2020	30	Offline	105	30
2	C programming	Entrepreneurship/Startup	Employment Generation Training Programs	Electronics	05-07-2019	10-08-2019	37	Offline	18	30

3	Quality control in food industry	Entrepreneurship/Startup	Employment Generation Training Programs	Microbiology	01-12-2019	15-01-2020	46	Offline	51	45
4	Certificate Course in English Communication	Entrepreneurship/Startup	Employment Generation Training Programs	English	01-01-2020	31-01-2020	31	Offline	40	45
5	Certificate Course in Hindi Translation	Entrepreneurship/Startup	Employment Generation Training Programs	Hindi	02-12-2019	01-01-2020	31	Offline	60	31

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. K. K Patankar	Physics	Assistant 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	Astroclub	Idea Club	2016	None	No Such Facilities Exist in the Campus	2	Mr. Sumant Kulkarni	sumantkulkarni777@gmail.com	9075740603
2	Biovision	Idea Club	2001	Work Stations	Incubation Unit	2	Mrs. Supriya Kusale	supriya.kusale@gmail.com	9561283147

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	Rajaram College Kolhapur	Innovation Centre	2016	Work Stations	Incubation Unit	Incubation Unit	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Y. C. Attar</td> </tr> <tr> <td>Facility Incharge Email</td> <td>yasmin.attar@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9423039626</td> </tr> </table>	Facility Incharge Name	Dr. Y. C. Attar	Facility Incharge Email	yasmin.attar@gmail.com	Facility Incharge Phone	9423039626	7	No	No	No
Facility Incharge Name	Dr. Y. C. Attar																
Facility Incharge Email	yasmin.attar@gmail.com																
Facility Incharge Phone	9423039626																

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Startup/Venture Development and implementation during the Financial Year 2019-20?						
1	Rajaram College Kolhapur	2017	Pre-Incubation		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. P. U. Lande</td> </tr> <tr> <td>Facility Incharge Email</td> <td>lande.pankaj@gov.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94221 89974</td> </tr> </table>	Facility Incharge Name	Dr. P. U. Lande	Facility Incharge Email	lande.pankaj@gov.in	Facility Incharge Phone	94221 89974	4	No	No	No
Facility Incharge Name	Dr. P. U. Lande														
Facility Incharge Email	lande.pankaj@gov.in														
Facility Incharge Phone	94221 89974														

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. K. K Patankar	Assistant Professor	Idea/Innovation Development	4
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Astrophysics		Within	nil

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	Formulation of optimized medium for low cost liquid bio fertilizer of phosphate processing bacteria.	Product Innovation	Technological	Rajaram College Kolhapur	Student-Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Ongoing	<table border="1"> <tr> <td>Agency Name</td> <td>Association of Indian Universities New Delhi and RAJIV Gandhi Pradyogiki Vishwavidyalaya (RGVP) Bhopal</td> </tr> <tr> <td>Agency Type</td> <td>Govt. Agency (Central)</td> </tr> <tr> <td>Award / Position / Recognition Secured</td> <td>2</td> </tr> </table>	Agency Name	Association of Indian Universities New Delhi and RAJIV Gandhi Pradyogiki Vishwavidyalaya (RGVP) Bhopal	Agency Type	Govt. Agency (Central)	Award / Position / Recognition Secured	2	No	No	No	No
Agency Name	Association of Indian Universities New Delhi and RAJIV Gandhi Pradyogiki Vishwavidyalaya (RGVP) Bhopal																		
Agency Type	Govt. Agency (Central)																		
Award / Position / Recognition Secured	2																		
					<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>Mrs. Supriya Kusale</td> <td>Student</td> <td>Female</td> <td>supriya.kusale@gmail.com</td> <td>9561283147</td> </tr> </tbody> </table>		Name	Type	Gender	Email	Contact	Mrs. Supriya Kusale	Student	Female	supriya.kusale@gmail.com	9561283147			
Name	Type	Gender	Email	Contact															
Mrs. Supriya Kusale	Student	Female	supriya.kusale@gmail.com	9561283147															

		Name				Type				Gender		Email		Contact
		Dr. Y. C. Attar				Faculty				Female		yasminattar33@gmail.com		9423039626
2	Synthesis of chiral ionic liquid derived from bio molecules and their applications in organic transformations	Product Innovation, Process Innovation	Technological	Chemistry	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs	100000	No	No
	Name		Type				Gender		Email			Contact		
	Suraj Ashok Sonawane		Faculty				Male		surajsonawane9595@gmail.com			9730802047		
3	Synthesis of Razinol and development of useful synthetic methodologies	Product Innovation, Process Innovation	Technological	other	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs	95000	No	No
	Name		Type				Gender		Email			Contact		
	Dr. Omprakash pawar		Faculty				Male		obpawar@gmail.com			9850600674		

4	Restoration of endemic plant ipomogia clarkei Hook. S. using plant tissue culture technique	Process Innovation	Technological	other	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Innovation Development Ongoing	No	No	Grant Amount in Rs	105000	No	No
Name		Type			Gender		Email			Contact				
Dr. S. M. Sangale		Faculty			Male		sunilsangle10@gmail.com			9923978998				

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

No Data Filled!

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	MOU with space development Nexus, New Delhi	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation	2	19-11-2019
2	Instavision Laboratory, Satara	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	125	20-12-2019
3	Masters analytical lab kaneriwadi kolhapur	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Pre-incubation	30	18-12-2019

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

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	FORMULATION OF OPTIMIZED MEDIUM FOR LOW COST LIQUID BIOFERTILIZER OF PHOSPHATE PROCESSING BACTERIA	201921034860	National	2019 - 09	Uploaded

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!

Declaration

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

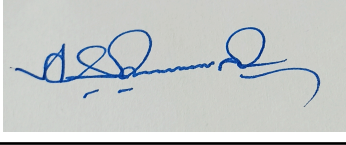
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Annasaheb Sakharam Khemnar (Head of Institute) and Dr. Yasmin C. Attar (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

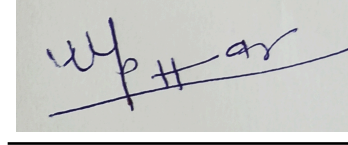
Thank you

The Head of Institute



Dr. Annasaheb Sakharam Khemnar
Head of the Institution,
Kolhapur, Maharashtra

Nodal officer



Dr. Yasmin C. Attar
Nodal Officer,
Kolhapur, Maharashtra