

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

Institute Name: Toshniwal Arts, Commerce and Science College [ARI-C-7287]

### 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	Zoology	Academic Department with lab facility	Science/Life Science/Zoology	UG / PG / PhD	Non-Technical	100	2	1
2	Botany	Academic Department with lab facility	Science/Life Science/Botany	UG / PG / PhD	Non-Technical	100	2	1
3	Chemistry	Academic Department with lab facility	Science/Chemical Sciences/Chemistry	At all level	Non-Technical	100	2	1
4	Physics	Academic Department with lab facility	Science/Physical Science/Physics	UG / PG / PhD	Non-Technical	50	2	1
5	Microbiology	Academic Department with lab facility	Science/Life Science/Microbiology	UG / PG / PhD	Non-Technical	50	2	1
6	Fishery Science	Academic Department with lab facility	Science/Life Science/Fishery Science	UG / PG / PhD	Non-Technical	30	2	1
7	Dairy Science	Academic Department with lab facility	Science/Life Science/Dairy Science	UG / PG / PhD	Non-Technical	30	2	1
8	Geology	Academic Department with lab facility	Science/Earth Science/Geology	UG / PG / PhD	Non-Technical	30	2	1
9	Commerce	Academic Department with lab facility	Commerce	UG / PG / PhD	Non-Technical	80	3	1
10	Fish seed production Centre	Research Unit / Park	Science/Life Science/Fishery	At all level	Both	10	2	1
11	Computer Science	Academic Department with lab facility	Multi Disciplinary	UG / PG / PhD	Non-Technical	10	1	1
12	Botanical Garden	Research Unit / Park	Science/Life Science/Botany	At all level	Both	20	2	2
13	Mathematics	Academic Department with lab facility	Science/Mathematics	UG / PG / PhD	Non-Technical	30	1	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
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 Mela	Entrepreneurship/Startup	Skill development	Institute Lead Activity	Entrepreneurship Development Cell collaboration with Department of Commerce	22-08-2019 00:00:00	22-08-2019 00:00:00	1	Within Campus	36	0	0	0	36	No	No
2	Budget Workshop	Entrepreneurship/Startup	Workshop	Institute Lead Activity	Department of Commerce	04-02-2020 00:00:00	04-02-2020 00:00:00	1	Within Campus	30	5	0	0	35	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

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)

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	Faculty development program- An approach for technical skill development	IPR	FDP in I&E / IPR	Internal Quality Assurance cell (IQAC)	05-05-2020	10-05-2020	6	Online	930	36

2	Online training program on Education Video Creation (E-content Development)	IPR	FDP in I&E / IPR	English-Fishery Science and Geology	11-05-2020	15-05-2020	5	Online	2713	30
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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)**

**No Data Filled!**

**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)**

**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**

**No Data Filled!**

**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**

Sr o	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	Quaternary Geology and morphotectonics of Kayadhu River basin, Washim-Hingoli Districts, Maharashtra	Process Innovation	Technological	Geology	Faculty	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 3 : Applied research. First laboratory tests completed; proof of concept.	Innovation Development Completed	No	No	<div><div>Grant Amount in Rs</div><div>100000</div></div>	No	No																											
<table><tr><th colspan="5">Name</th><th colspan="3">Type</th><th colspan="2">Gender</th><th colspan="2">Email</th><th>Contact</th></tr><tr><td colspan="5">Dr. B. B. Ghute</td><td colspan="3">Faculty</td><td colspan="2">Male</td><td colspan="2">bhagwangeo@gmail.com</td><td colspan="2">9130006333</td></tr></table>														Name					Type			Gender		Email		Contact	Dr. B. B. Ghute					Faculty			Male		bhagwangeo@gmail.com		9130006333	
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2	A critical study of cooperative credit structure in Maharashtra with special reference to Salary Earners credit cooperative society in Parbhani and Hingoli District	Process Innovation	Non-Technological / Social / Community Innovation	Commerce	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	<div><div>Grant Amount in Rs</div><div>55000</div></div>	No	No																											
<table><tr><th colspan="5">Name</th><th colspan="3">Type</th><th colspan="2">Gender</th><th colspan="2">Email</th><th>Contact</th></tr><tr><td colspan="5">Dr. P. N. Totala</td><td colspan="3">Faculty</td><td colspan="2">Male</td><td colspan="2">pravinntotala@gmail.com</td><td colspan="2">7588649148</td></tr></table>														Name					Type			Gender		Email		Contact	Dr. P. N. Totala					Faculty			Male		pravinntotala@gmail.com		7588649148	
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3	Human Development Indicators- A perspective study of Hingoli District	Process Innovation	Non-Technological / Social / Community Innovation	Economics	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	<div>Grant Amount in Rs</div> <div>50000</div>	No	No																											
	<table><tr><th colspan="4">Name</th><th colspan="4">Type</th><th colspan="2">Gender</th><th colspan="2">Email</th><th>Contact</th></tr><tr><td colspan="4">Dr. P. B. Patil</td><td colspan="4">Faculty</td><td colspan="2">Male</td><td colspan="2">pbpatilamelner@gmail.com</td><td colspan="2">8999939236</td></tr></table>													Name				Type				Gender		Email		Contact	Dr. P. B. Patil				Faculty				Male		pbpatilamelner@gmail.com		8999939236	
	Name				Type				Gender		Email		Contact																											
Dr. P. B. Patil				Faculty				Male		pbpatilamelner@gmail.com		8999939236																												
4	Preservation of Endangered Living Dialectical Words of Marathi (Spoken in Hingoli District)	Process Innovation	Non-Technological / Social / Community Innovation	English	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	<div>Grant Amount in Rs</div> <div>50000</div>	No	No																											
	<table><tr><th colspan="4">Name</th><th colspan="4">Type</th><th colspan="2">Gender</th><th colspan="2">Email</th><th>Contact</th></tr><tr><td colspan="4">Dr. D. G. Sawant</td><td colspan="4">Faculty</td><td colspan="2">Male</td><td colspan="2">dattagsawant@gmail.com</td><td colspan="2">9130002008</td></tr></table>													Name				Type				Gender		Email		Contact	Dr. D. G. Sawant				Faculty				Male		dattagsawant@gmail.com		9130002008	
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5	Development of Microbial Inoculants for recovery of metals from waste printed circuit board	Process Innovation	Technological	Microbiology	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	<div>Grant Amount in Rs</div> <div>93000</div>	No	No																											

Name	Type	Gender	Email	Contact	
Mr. N. S. Gaikwad	Faculty	Male	nisugai121@gmail.com	9923210490	

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

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

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

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 Mr. Shripad Gajananrao Talnikar (Head of Institute) and Mr. Dnyaneshwar Pralhad Tadas (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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Mr. Shripad Gajananrao Talnikar  
Head of the Institution,  
Sengaon, Maharashtra

Nodal officer



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Mr. Dnyaneshwar Pralhad Tadas  
Nodal Officer,  
Sengaon, Maharashtra