



#### Verification Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21 Institute Name: Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune [ARI-C-43240]

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

Srno	Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
1	Biotechnology	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Both	632	37	12

### 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	Organizin g Departm ent / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(i n Days)	Program Location	Internal Participa nts (Student)	Internal Participa nts (Faculty)	External Participa nts (Student)	External Participa nts (Faculty)	Total Number of Participa nts	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?
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#### Section 1 > i : Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

1	Innovatio n contest 2020	Innovatio n	Innovatio n Contest	Student Lead Activity	Biotechn ology and	28-02-20 20 00:00:00	28-02-20 20 00:00:00	1	Within Campus	22	0	0	0	22	No	Award / Position / Recognition Secured	1st
					Bioinform atics Institute											Title of Innovation / Start-up Secured the Award / Recognition	Implementa tion of low cost technology for remediation of food waste
																Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe

## 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	Organizin g Agency / Institute Name	Organizin g Agency Type	Program Start Date	Program End Date	Program Duration(i n Days)	Participa nts (Students )	Participa nts (Faculty)	Total Number of Participa nts	Awards/R ecognitio ns/Achiev ements	Award / Position / Recogniti on Secured	Title of Innovatio n / Start- up Secured the Award / Recogniti on	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	National innovatio n contest	Innovatio n	Innovatio n Contest	IIC MHRD	Govt. Agency (Central)	16-03-20 20 00:00:00	16-03-20 20 00:00:00	1	7	0	7	No			No	No

#### 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/Centr e/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	Biosafety Bioethics and IPR	IPR	Elective/Core Credit Course	Credit Course (Compulsory)	Biotechnolog y	15-07-2019	02-12-2019	141	Offline	161	30

# 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 Flled!

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 Flled!

## 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 Flled!

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 Flled!

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 Flled!

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

No Data Flled!

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

No Data Flled!

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

No Data Flled!

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

No Data Flled!

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

No Data Flled!

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

Sm o	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovati on	Name of the HEI Support ed Innovati on Develop ment	Innov ation Devel oped by	Stage of Innov ation/ Stage of TRL starte d recei ving the Support durin g the FY 2019- 20	Stage of Innov ation/ Stage of TRL reach ed as on 31st Marc h 2020	Status Pre- Incubati on/Incu bation Support to Innovati on as on 31st March 2020	Had th Innovat Receivec Recogniti State, Nat Internati Level Proq during financial p 2019-2	tion d any ion at tional, onal grams the period	Had the Innovati on Convert ed into Venture/ Startup/ SME Unit during the financial period 2019-20	Financial s resource or agencies Grant/Fun Prototy Developmer	nstitute provided any upport (either own fund received from in terms of Seed d Support to Idea / e / Innovations t during the financial od 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	Biodegradable Plastic from laboratory waste agar	Product Innovation,Pr ocess Innovation	Technol ogical	IIC- DYPBBI	Facul ty	TRL 3: Appli ed resea rch. First labor atory tests comp leted; proof of conc ept.	TRL 5: Large scale protot ype teste d in inten ded envir onme nt.	Innovati on Develop ment Ongoing	Agen cy Nam e Agen cy Type Awar d / Positi on /	Dep art men t of Scie and Tec hnol ogy Gov t. Age ncy (Ce ncy (Ce ncy (Ce roy t. Age ntral ) Res earc h funtal )	No	Grant Amo in Rs	1500000 Int	Loan/Investment Agency Name   Agency Type   Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre- incubation/incubati on support at your Pre- incubation/incubati on or institute financial period 2019-20 (in Rupees)   Date of Investment Raised	No
		Name					Туре				Gender			Email	Contact
	Dr. Neelu Nawani				Faculty				F	emale			neelu.nawani@dpu.ee	du.in	9730250950
		Name					Туре				Gender			Email	Contact
	Dr. Viniti Vaidya			Faculty				F	emale			viniti.vaidya@dpu.edu	ı.in	8850211245	

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

No Data Filed!

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

No Data Flled!

#### No Data Flled!

## 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	PROCESS FOR PREPARATION OF TUBULAR GRAFTS OR TUBULAR SCAFFOLDS FOR TISSUE ENGINEERING	201821042296	National	2019 - 09	Uploaded
2	Method of generating Genotoxic, anti- proliferative and proapoptotic DMSO fractionated compounds of cow urine using fresh cow urine and composition thereof.	201821025084	National	2019 - 11	Uploaded
3	METHOD OF USING GOAT URINE DMSO FRACTION AS ANTI-PROLIFERATIVE AND APOPTOTIC CELL DEATH COMPOUNDS AGAINST CANCER CELLS AND COMPOSITION THEREOF	201821048505	National	2019 - 05	Uploaded
4	A METHOD OF URINE METABOLITE PROFILING BY COMBINING VERTICAL TUBE GEL ELECTROPHORESIS AND LC- HR-MS FOR THE DETECTION OF ORAL CANCER	201921021395	National	2019 - 05	Uploaded
5	A METHOD TO FRACTIONATE AND ANALYZE METABOLOME AND MINERALOME FROM NAIL MATERIALS OF OSCC FOR BIOMARKER DISCOVERY	201921017907	National	2019 - 05	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 Flled!

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

No Data Flled!

## **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 Prof. J.K. Pal (Head of Institute) and Dr. Satish K Raut (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

Du 30/03/2024

Prof. J.K. Pal Head of the Institution, Pune, Maharashtra Nodal officer



Dr. Satish K Raut Nodal Officer, Pune, Maharashtra

Responsibility for accuracy and authenticity of data lies with the concerned institution.