



# 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: DEEN DAYAL UPADHYAYA COLLEGE, UNIVERSITY OF DELHI [ARI-C-6361]

### 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	Computer Science	Academic Department with lab facility	Bsc(H) Computer Science, Generic subjects, Physical Science(CS)	UG / PG / PhD	Both	370	12	5
2	Botany	Academic Department with lab facility	Bsc(H) Botany, Bsc. Life Science, Generic Subjects	UG / PG / PhD	Both	219	9	3
3	Zoology	Academic Department with lab facility	Bsc(H) Zoology, Life Science	UG / PG / PhD	Both	199	9	4
4	Chemistry	Academic Department with lab facility	Bsc(H) Chemistry, Physical Science (Chemistry), Generic Subjects, Life Science	UG / PG / PhD	Both	394	14	9
5	Mathematics and Operational Research	Academic Department with lab facility	Bsc(H) Maths, Mathematical Science, Generic Subjects, physical science(CS) Sem V, physical science(Chemistry) VI	UG / PG / PhD	Both	706	14	1
6	Electronics	Academic Department with lab facility	Bsc(H) Electronics	UG / PG / PhD	Both	147	8	4
7	Physics	Academic Department with lab facility	Bsc(H) Physics, physical science(CS), physical science(Chemistry)	UG / PG / PhD	Both	399	14	6
8	Commerce	Academic Department with lab facility	B.Com(H), Generic	UG / PG / PhD	Both	586	15	1
9	Bachelor of Management	Academic Department with lab facility	BMS, Generic	UG / PG / PhD	Both	309	7	3
10	English Department with Language Lab	Academic Department with lab facility	Language Learning Tools (Beneficiaries: Humanities and English courses)	UG / PG / PhD	Both	444	9	1

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

11	DBT star Lab	Centre of Excellence with Advance Tools & Equipment	Workshops, Conferences	UG / PG / PhD	Both	1000	15	1
12	ICT Center	Centre of Excellence with Advance Tools & Equipment	Computer Center for inter-disciplinary activities, Robotics club	UG / PG / PhD	Both	2525	5	5
13	Research Lab -Chemistry	Research Unit / Park	Research Projects-Chemistry	UG / PG / PhD	Both	5	14	1
14	Research Lab-Computer Science	Research Unit / Park	Research Publications-Computer Science	UG / PG / PhD	Both	3	3	1
15	Research Lab-Botany	Research Unit / Park	Research Projects-Botany, DBT Star projects	UG / PG / PhD	Both	20	9	1
16	Research Lab-Zoology	Research Unit / Park	Research Projects-Zoology, DBT Star projects	UG / PG / PhD	Both	20	9	1
17	Room Number-414	Research Unit / Park	Research Projects-Physics	UG / PG / PhD	Both	2	1	0
18	Room Number 109-Cabin-I	Research Unit / Park	Research Projects-Physics	UG / PG / PhD	Both	1	1	0
19	Room Number-214	Research Unit / Park	Research Projects-Physics	UG / PG / PhD	Both	2	1	0

**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	YES	IIC Registration ID : IC201912082
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?
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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	Intellectual Property Rights (IPR)	IPR	Workshop	Institute Lead Activity	Departments of Botany and Zoology, Deen Dayal Upadhya College (University of Delhi) under the aegis of DBT Star College Scheme	22-08-2019 00:00:00	23-08-2019 00:00:00	2	Within Campus	8	15	3	63	89	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	95000	No
2	Prelims of IoT Challenge 2020 (4th Edition National Level Event based on Internet of Things (IoT)	Innovation	Workshop	Institute Lead Activity	i3indya Technologies and NASI-Delhi Chapter under the aegis of DBT Star College	17-10-2019 00:00:00	18-10-2019 00:00:00	2	Within Campus	6	0	87	0	93	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	3443.04	No
3	'Alexa Lab'	Innovation	Workshop	Student Lead Activity	Subject Society-Sanganika, Department of Computer Science	25-01-2020 00:00:00	25-01-2020 00:00:00	1	Within Campus	45	4	0	0	49	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10449	No
4	"Entrepreneurship and Electronic Mobility"	Entrepreneurship/Startup	Workshop	Student Lead Activity	Subject Society-Silizium, Department of Electronics	23-10-2019 00:00:00	23-10-2019 00:00:00	1	Within Campus	30	4	0	0	34	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	11000	No
5	"Patenting System in India"	IPR	Motivational speak	Student Lead Activity	Subject Society-Silizium, Department of Electronics	10-02-2020 00:00:00	10-02-2020 00:00:00	1	Within Campus	70	4	0	0	74	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	5500	No
6	Entrepreneurial summit and Entrepreneurial cell meet	Entrepreneurship/Startup	Start-up Conclave	Student Lead Activity	Entrepreneurship Development Cell, Department of Management Studies	30-09-2019 00:00:00	30-09-2019 00:00:00	1	Within Campus	220	4	50	0	274	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	24287	No

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

7	Design Thinking led innovations	Innovation	Workshop	Student Lead Activity	Subject Society Optizone-Department of Operations Research	09-08-2019 00:00:00	10-08-2019 00:00:00	2	Within Campus	50	0	1	0	51	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	10007	No
8	Entrepreneurship Awareness Camp	Entrepreneurship/Startup	Awareness	Student Lead Activity	Entrepreneurship Development Cell, Department of Management Studies	22-01-2020 00:00:00	24-01-2020 00:00:00	3	Within Campus	100	1	0	0	101	No		No
9	Blueprint' 20	Entrepreneurship/Startup	B-Plan Competitions	Student Lead Activity	Entrepreneurship Development Cell, Department of Management Studies	28-02-2020 00:00:00	29-02-2020 00:00:00	2	Within Campus	200	2	100	0	302	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	50000	No
10	IOT and Proteus	Innovation	Workshop	Student Lead Activity	Robotics Club	17-02-2020 00:00:00	17-02-2020 00:00:00	1	Within Campus	35	1	35	0	71	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	32927	No
11	Design and Development of Sensors Guided and Bluetooth Controlled Bots	Innovation	Workshop	Student Lead Activity	Robotics Club	09-11-2019 00:00:00	10-11-2019 00:00:00	2	Outside Campus	0	2	35	0	37	No		No
12	Robocarnival	Innovation	Exhibition	Student Lead Activity	Robotics Club	07-11-2019 00:00:00	07-11-2019 00:00:00	1	Outside Campus	35	1	0	0	36	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	18889	No
13	"Introduction to ARDUINO and Bluetooth Controlled Bots"	Innovation	Workshop	Student Lead Activity	Robotics Club	22-08-2019 00:00:00	23-08-2019 00:00:00	2	Within Campus	100	1	0	0	101	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	14960	No

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

14	Exhibition of real time projects	Innovation	Exhibition	Student Lead Activity	Robotics Club	08-08-2019 00:00:00	08-08-2019 00:00:00	1	Within Campus	25	1	0	0	26	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	Faculty Development Programme on Marketing Research and Business Analysis With Economic Application	Innovation	Skill development	Shri Mata Vaisno Devi University	Non-Govt. Agencies	06-05-2019 00:00:00	17-05-2019 00:00:00	12	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	3600	No
2	Contemporary Issues in Integrating Health and Nutrition with the Emerging Areas of Food Technology, Agriculture, Environment and allied Science	Innovation	Conference	IQAC-SPM College	Govt. Agency (Central)	06-04-2019 00:00:00	06-04-2019 00:00:00	1	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	2000	No
3	42th All india Accounting Conference and International Seminar on Accounting Education and Research	Innovation	Seminar	Jai Narain Vyas University Jodhpur	Govt. Agency (State)	28-12-2019 00:00:00	29-12-2019 00:00:00	2	0	1	1	No	---	---	Total Expense Amount Incurred by Institute? (In Rupees)	1360	No

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4	Poster presented at International Conference on Isolation and Identification of Phenol Degrading Bacterial isolates from Wastewater Samples Collected from a Coal Based Thermal Power Plant in the International Conference on Current Trends in Microbiology and Microbiome Research A Global Perspective (CTM	Innovation	Conference	Indian Network for Soil Contamination Research and MDU at Maharshi Dayanand University, Rohtak, Haryana	Govt. Agency (State)	11-10-2019 00:00:00	12-10-2019 00:00:00	2	0	1	1	No	---	---	No	No
5	Poster presented on Microbes as Alternative Feed Supplements for Aquaculture in Young Scientist Conclave	Innovation	Conference	India International Science Festival (IISF), Kolkata	Educational Institute	05-11-2019 00:00:00	08-11-2019 00:00:00	4	0	1	1	No	---	---	No	No

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6	Poster presented on Machine Learning and Artificial Intelligence based Resume Matching with Job Description in the Poster Track of the seventh Pan IIM-World Management Conference IIM WMC	Innovation	Conference	IIM, Rohtak	Govt. Agency (Central)	12-12-2019 00:00:00	14-12-2019 00:00:00	3	0	3	3	No	---	---	No	No
7	Faculty Development Programme on MOOCs and Applications of ICT in Academic and Research Libraries	Innovation	Skill development	National Institute of Educational Planning and Administration at NIEPA New Delhi	Govt. Agency (Central)	25-11-2019 00:00:00	30-11-2019 00:00:00	6	0	1	1	No	---	---	No	No
8	International Conference Towards Designer Plants on Emerging Opportunities International Conference on Advances in Sustainable Agriculture-Bioresources, Biotechnology and Bioeconomy	Innovation	Conference	Mansarovar Global University, Bhopal	Non-Govt. Agencies	29-11-2019 00:00:00	30-11-2019 00:00:00	2	0	1	1	No	---	---	No	No

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9	Workshop on Advanced Computer Aided Drug Design and Computational Biology	Innovation	Workshop	AIB, Amity University, Haryana	Non-Govt. Agencies	21-05-2019 00:00:00	22-05-2019 00:00:00	2	0	1	1	No	---	---	No	No						
10	Regional Finals of e-yantra ideas competitions	Innovation	Ideation	KR-Mangalam University, Delhi	Non-Govt. Agencies	05-03-2020 00:00:00	06-03-2020 00:00:00	2	4	1	5	Yes	A Prize money of 5000 Rs and a Drone Kit provided as a token of appreciation	Token of Appreciation	No	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>A Prize money of 5000 Rs and a Drone Kit provided as a token of appreciation</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Token of Appreciation</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	A Prize money of 5000 Rs and a Drone Kit provided as a token of appreciation	Title of Innovation / Start-up Secured the Award / Recognition	Token of Appreciation	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
Award / Position / Recognition Secured	A Prize money of 5000 Rs and a Drone Kit provided as a token of appreciation																					
Title of Innovation / Start-up Secured the Award / Recognition	Token of Appreciation																					
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)**

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)**

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**

**No Data Filled!**

**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**

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	SYSTEM AND METHOD FOR WATERMARKING MPEG-4 ADVANCED VIDEO CODING-AVCVIDEOS	201911053169	National	2019 - 12	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

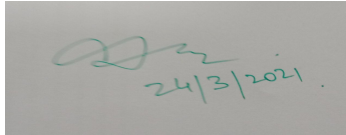
### Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. H C Jain (Head of Institute) and Dr. Anuja Soni (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

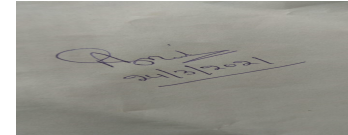
The Head of Institute



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Dr. H C Jain  
Head of the Institution,  
SECTOR-3, DWARKA, NEW DELHI, Delhi

Nodal officer



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Dr. Anuja Soni  
Nodal Officer,  
SECTOR-3, DWARKA, NEW DELHI, Delhi