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

Institute Name: National Institute of Technology Kurukshetra [ARI-U-0172]

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

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)
All engineering science and humanities departments	Academic Department with lab facility	not known	UG / PG / PhD	Technical	5112	161	190

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	Yes	IIC Registration ID : IC201810187
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

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	Workshop (IOT Robotics Ethical Hacking)	Innovation	Innovation Contest	Institute Lead Activity	Electronics and Communication Engineering Department	18-01-2020 00:00:00	19-01-2020 00:00:00	2	Within Campus	200	20	0	0	220	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 85400	No

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

| 2 | Pitch Day | Entrepreneurship/Startup | B-Plan Competitions | Student Lead Activity | Techspardha | 23-09-2019 00:00:00 | 24-09-2019 00:00:00 | 2 | Within Campus | 24 | 6 | 0 | 0 | 30 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 50000 | No |
| 3 | Fostering Innovation | Innovation | Innovation Contest | Student Lead Activity | Techspardha | 23-09-2019 00:00:00 | 24-09-2019 00:00:00 | 2 | Within Campus | 31 | 10 | 0 | 0 | 41 | Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 50000 | No |

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	Awarebess Programme for Enterpreneurial and Managerial Development	Entrepreneurship/Startup	Awareness	MSME Development Institute Karnal	Govt. Agency (State)	20-08-2019 00:00:00	20-08-2019 00:00:00	1	0	50	50	No	---	---	No	No
2	Innovation Ambassador Training Series	Innovation	Innovation Contest	LPU, Phagwara Punjab	Educational Institute	16-01-2020 00:00:00	17-01-2020 00:00:00	2	0	45	45	No	---	---	TotalTotal Expense Amount Incurred by Institute? (In Rupees) 5000	No

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	Entrepreneurship	Entrepreneurship/Startup	Full time Program	Bachelor	Mechanical Engineering Depertment	25-07-2019	22-11-2019	121	Offline	39	30

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data Filed!

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 Filed!

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	Innovation Club	Innovation Club	2017	Work Stations	Centre of Excellence with Advance Tools	4	Dr. Chhagan Charan	chhagan.charan@nitkk r.ac.in	8607283446

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 Filed!

List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

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

List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

1	Siemens Centre of Excellence	2019	Innovation Labs		Facility Incharge Name	Prof. Brahmjit Singh	15	No	Yes	Yes
					Facility Incharge Email	scoe@nitkkr.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees) — 900000	
					Facility Incharge Phone	01/44 233114			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees) — 0	
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees) — 0	

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Funding Agency	Siemens	Corporate / Industry Association	0

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data Filed!

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Filed!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

No Data Filed!

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data Filed!

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Filed!

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	Autonomous Human Following Trolley	Process Innovation	Non-Technological	Autonomous Human Following Trolley	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 0 : Idea. Unproven concept, no testing has been performed .	Innovation Development Dropped	No	No	Grant Amount in Rs 6000	No	No

Name	Type	Gender	Email	Contact
Mr. Azad Paswan	Student	Male	azadpasawan@gmail.com	7206327672

Name	Type	Gender	Email	Contact
Pulkit Mahajan	Student	Male	pmahajan2698@gmail.com	9810502360
AKSHAY AGARWAL	Student	Male	akagarwal121998@gmail.com	8295154927

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

No Data Filed!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Filed!

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	Software for Extracting Reusable Software Components from Object Oriented Source Code Using Search Based PSO Approach	IPRFiledPublished	SW-12631/2019	National	2019 - 07	Uploaded	Granted	No

	Department/Centre Name							
	Computer Engineering Depa							
2	Structural Analysis Tool (SAT)	IPRFiledPublished	SW-12872/2019		National	2019 - 10	Uploaded	Granted	No
	Department/Centre Name							
	Mechanical Engineering De							

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	"Method And Device For Data Storage In An External Device"	201911053965	National	2019 - 12	Uploaded
	2	"Two Dimensional In-Line Semiconductor Device"	202011000039	National	2019 - 11
Uploaded		3	"Methods and System for Creating Ontology of Knowledge Units In A Computing Environment"	201911046886	National
2019 - 11	Uploaded		4	"Process For Photocatalytic Degradation Of Organic Pollutant And A Turmeric Photocatalyst"	201911025482
National	2019 - 06	Uploaded		5	"Encryption and Decryption data on an External device communication "
201911034359	National	2019 - 08	Uploaded		6
"Method and system of file encryption and decryption on an external device based on multiple keys"	201911032800	National	2019 - 08	Uploaded	
7	"Design and Fabrication of Solar Thermal Cooking System"	201911029522	National	2019 - 07	Uploaded
	8	"Fluorescent Hydrophobic Silica Composition and Process for Preparation thereof"	201911029943	National	2019 - 07
Uploaded		9	"System and Method For Non-Detactable And Non-Over Writable Data Storage And Recovery"	201911020722	National
2019 - 05	Uploaded		10	"System and Method For Non-Visible File Storage Media Without File Allocation Table entry"	201911020741
National	2019 - 05	Uploaded		11	"Multi Screen Portable Device For Display"

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Filed!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Filed!

Declaration

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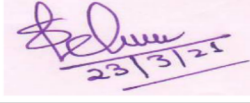MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Dr. Satish Kumar (Head of Institute) and Prof. Mahesh Pal (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
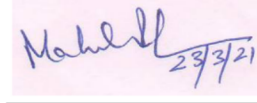
Thank you

The Head of Institute

Nodal officer

Dr. Satish Kumar
Head of the Institution,
Kurukshetra , Haryana

Prof. Mahesh Pal
Nodal Officer,
Kurukshetra , Haryana