



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

Institute Name: RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, NUZVID [ARI-C-45100]

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)
ММЕ	Academic Department with lab facility	Metallurgical & Materials Engineering	UG / PG / PhD	Technical	173	8	3
CSE	Academic Department with lab facility	Computer Science and Engineering	UG / PG / PhD	Technical	1365	30	2
ECE	Academic Department with lab facility	Electrical and Communication Engineering	UG / PG / PhD	Technical	1196	23	17
СНЕ	Academic Department with lab facility	Chemical Engineering	UG / PG / PhD	Technical	275	7	5
CE	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	679	8	9
ME	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	678	15	13
PUC-2	Academic Department with lab facility	Intermediate	At all level	Technical	1200	66	2

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)	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)	Yes	Not Required

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

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

					Centre / Student Body Name									nts	program/activity/event?	
1	One Day Worksho p on Entrepre neurship	Entrepre neurship/ Startup	Worksho p	Institute Lead Activity	Entrepre neurship Cell	30-12-20 19 00:00:00	30-12-20 19 00:00:00	1	Within Campus	250	3	0	0	253	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	No
2	United nations 17 Sustaina ble Goals Awarene ss Program	Innovatio n	Awarene ss	Student Lead Activity	Student Mitra Cell	30-01-20 20 00:00:00	12-02-20 20 00:00:00	14	Within Campus	400	4	0	0	404	No	No
3	Smart Challeng e V2.0	Entrepre neurship/ Startup	Orientatio n Session	Student Lead Activity	E-Cursh Cell	06-04-20 19 00:00:00	07-04-20 19 00:00:00	2	Within Campus	200	3	0	0	203	No	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	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 / 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	Worksho p of Cyber Security	Entrepre neurship/ Startup	Mentorin g Session	Student Mitra	Educatio nal Institute	14-09-20 19 00:00:00	15-09-20 19 00:00:00	2	300	4	304	No			No	No
2	Invento 2k19	Innovatio n	Awarene ss	E-Crush Cell	Educatio nal Institute	11-09-20 19 00:00:00	13-09-20 19 00:00:00	3	150	3	153	No			No	No
3	Sankalp Hackatho n	Innovatio n	Hackatho n	Sankalp Semicon dutors at Kolkatta	Non- Govt. Agencies	28-02-20 20 00:00:00	28-02-20 20 00:00:00	1	3	2	5	Yes	Runner Position with cash award Rs. 50000	Sankalp Semicon dutors	No	Award / Position / Recognition Secured Sourced the Award / Recognition Sourced Sourced the Award / Recognition Sourced

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

Itati	onar ana i	(Or) inter	national	Level (O	garnzea	Dy Exter	nai Orga	iiiiZatioii.	J JCIIL D	y tile ile							
4	PYNQ-Z2 BOARD	Innovatio n	Innovatio n Contest	IIT BOMBAY	Educatio nal Institute	03-01-20 20 00:00:00	05-01-20 20 00:00:00	3	4	0	4	Yes	2nd position with cash award Rs.27000	PYNQ-Z2 BOARD	No	Position / Recognition Secured  Title of Innovation / Start-up Secured the Award / Recognition  Award/Recognition/Achieve	2nd position with cash award Rs.27000  PYNQ-Z2 BOARD  Idea/Innova tion/Prototy pe
5	IINOVAT E FPGA	Innovatio n	Innovatio n Contest	INTEL	Internatio nal Agencies	09-12-20 19 00:00:00	12-12-20 19 00:00:00	4	3	2	5	Yes	Top Position	Award of Excellenc e with case award of Rs.1.8 Lakhs	No	Recognition Secured  Title of Innovation / Start-up Secured the Award / Recognition  Award/Recog nition/Achieve	Award of Excellence with case award of Rs.1.8 Lakhs
6	Ultimate Desert challenge 2020	Innovatio n	Hackatho n	RCDC, Jaipur	Corporat e / Industry Associati on	29-09-20 19 00:00:00	07-10-20 19 00:00:00	9	34	4	38	Yes	1st prize- BEST INNOVA TION	BEST INNOVA TION with cash support to next level of Rs.60,00	TotalTotal Expense Amount Incurred by Institute? (In Rupees)	Recognition Secured  Title of Innovation / Start-up Secured the Award / Recognition  Award/Recog nition/Achieve	1st prize-BEST INNOVATI ON  BEST INNOVATI ON with cash support to next level of Rs.60,000  Idea/Innova tion/Prototy pe

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

7	Ultimate Desert challenge 2020	Innovatio n	Hackatho n	RCDC, Jaipur	Corporat e / Industry Associati on	29-09-20 19 00:00:00	07-10-20 19 00:00:00	9	34	4	38	Yes	2nd Prize	OVERAL L STATIC	No	Award / Position / Recognition Secured	2nd Prize
																Title of Innovation / Start-up Secured the Award / Recognition	OVERALL STATIC
																Award/Recog nition/Achieve ment Received for	Idea/Innova tion/Prototy pe

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	organizational Behaviour	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Management	04-12-2019	13-11-2020	346	Online	400	999
2	MEFA	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Elective)	Management	04-12-2019	13-11-2020	346	Online	400	999

LiList 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	NX Basics training	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Andhra Pradesh State Skill Development Cooperation Cell (APSSDC)	21-10-2019	25-10-2019	5	Offline	81	40
2	Agricultural training program	Entrepreneurship/Startup, Innovation	Employment Generation Training Programs	Andhra Pradesh State Skill Development Cooperation Cell (APSSDC)	17-02-2020	18-03-2020	31	Offline	33	248

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

No Data Flled!

#### 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!

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

No Data Flled!

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 Flled!

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

No Data Flled!

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

No Data Filed!

Srno	Name of the External Expert/Agency as	Mentor			Mentor Expert Area			Тур	e of Mentorship
1	Andhra Pradesh State Skill Development Coope	ration (APSSDC)	Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Da	ate	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment	orship Cohort Size No. of Mentee)	Type of Mentee
	Multi skill training program	08-08-2019		08-08-2019	1	2	55		Idea
2	Andhra Pradesh State Skill Development Coope	ration (APSSDC)	Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Da	ate	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment	orship Cohort Size No. of Mentee)	Type of Mentee
	NX Basics training	21-10-2019		25-10-2019	80	Idea			
3	Andhra Pradesh State Skill Development Coope	ration (APSSDC)	Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Da	Start Date End Date		Total No of Days of Mentorship Program	No of Mentors Involved	Ment	orship Cohort Size No. of Mentee)	Type of Mentee
	internet of Things	12-07-2019	9 12-07-2019 1 4					168 Innovation/Protot	
4	Andhra Pradesh State Skill Development Coope	ration (APSSDC)	Idea/Inno	ovation Development		Structured Mentorship			

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

	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mento (N	orship Cohort Size Io. of Mentee)	Type of Mentee
	Python programming offered by virtulearn.in	16-12-2019	16-12-2019	1	0	282		Innovation/Prototype
5	Andhra Pradesh State Skill Development Cooper	ation (APSSDC) Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mento (N	orship Cohort Size No. of Mentee)	Type of Mentee
	Agricultural training program	17-02-2020	18-03-2020	31	3	30		Innovation/Prototype
6	Andhra Pradesh State Skill Development Cooper	ation (APSSDC) Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mento (N	orship Cohort Size Io. of Mentee)	Type of Mentee
	Level- A CATIA	15-10-2019	15-10-2019	1	1	224		Innovation/Prototype
7	Andhra Pradesh State Skill Development Cooper	ation (APSSDC) Idea/Inno	ovation Development				Structured Mentors	ship
	Structured Mentorship Program Name	Start Date	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Si (No. of Mentee)		Type of Mentee
	Level- A DELMIA	19-10-2019	19-10-2019	1	1	240		Innovation/Prototype

# 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/Inc ubation 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/Startu p/SME Unit during the financial period 2019- 20	Had Centre/institut e 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-	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving preincubation/inc ubation support at your Preincubation/inc ubation or HEI during the financial period 2019-20	Had the Pre- incubation/Inc ubation Centre/HEI received any income/revenu e from Idea/Prototype /Innovations for the pre- incubation/inc ubation support and the services offered by Pre- incubation/inc ubation or institute during the financial period 2019
1	Atmospheric Corrosion Measurement at Nuzvid	Process Innovation	Technological	Rajiv Gandhi University of Knowledge Technologies (RGUKT), A.P	Faculty	TRL 2: Technolog y formulatio n. Concept and application have been formulated	TRL 3: Applied research. First laboratory tests completed ; proof of concept.	Innovation Development Ongoing	No	No	Gra 90 00 nt Amo unt in Rs	No	No

		Name		Ty	/pe		Ge	ender		Email		Cont	act
	Lakshmana Rao Bhaga	avathi	F	aculty			Male		lakshman@rguktn.ac	c.in		9492468404	
		Name		T	/pe		Ge	ender		Email		Cont	act
	Pavani U	Name	F	aculty	/pe		Female	iluei	pavani@rguktn.ac.in			7382219873	acı
	Satya dev M			aculty			Male		satya@rguktn.ac.in	•		9550495413	
					I				1			_	T.,
2	Analysis of Microstructure and Mechanical Properties of Friction Stir Weld joints of AZ31 and ZE41 dissimilar Magnesium alloys	Process Innovation	Technologica	al Rajiv Gandhi University of Knowledge Technologies (RGUKT), A.P	Faculty	TRL 0 : Idea. Unproven concept, no testing has been performed	First laboratory tests	Innovation Development Ongoing	No	No	Gra 60 nt 00 Amo unt in Rs	No	No
		Name		Ty	/pe		Ge	ender		Email		Cont	act
	Pradeep Kumar Prathi	pati	F	aculty			Male		pradeep@rguktn.ac.i	in		9618422757	
	Name			Туре		(	Gender		Email		Co	ontact	3
Developi ng low cost naturally derived biocera mic material for bone implants applicati ons	Process Innovation	Technological	Rajiv Gandh University of Knowledge Technologie (RGUKT), A.	s	TRL 2: Technolog y formulatio n. Concept and application have been formulated	scale prototype built in a laboratory environme nt ("ugly" prototype	/ e	No	No	Gra nt Amo unt in Rs	No	No	
	Name			Туре		(	Gender		Email		Co	ontact	
Ch Vasu	I		Faculty		ı	Male		chvasu@rgu	ktn.ac.in		9849047429		
	Nama			Time			Condor		Email		Co	anto at	4
Dr. B Ra	Name atna Sunil		Faculty	Туре	1	Male	Gender	bratnasunil@	Email		9849047429	ontact	
Studies on microstr ucture, mechani cal & corrosio n behavio ur of Inconel 718 alloy and its welds	Process Innovation	Technological	Rajiv Gandh University of Knowledge Technologie (RGUKT), A.		TRL 2: Technolog y formulatio n. Concept and application have been formulated	research. First laboratory tests completed ; proof of concept.	Ongoing /	No	No	Gra nt Amo unt in Rs	No	No	

Name	Туре	Gender	Email	Contact
Dr.Shaik Dilkush	Faculty	Female	dilkush@rguktn.ac.in	9010321736



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

No Data Flled!

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	Andhra Pradesh State Skill Development Corporation (APSSDC)	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	200	23-07-2019
2	Indian Institute of Technology - Tirupati (IITT)	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	05	31-12-2020
3	KUSALAVA INTERNATIONAL LIMITED	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	15	19-10-2019
4	Indian Institute of Technology- Hyderabad (IITH)	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Incubation,Mentoring,Netwo rking	10	01-08-2019
5	Slovak University of Agriculture in Nitra, Slovakia, Europe (International)	Educational Institute	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring,Networking	4	17-02-2020

#### 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/Tran sferred to Industry/Startup/Socie ty?
1	CELLULOSIC PARTICLES BASED ONE-COMPONENT POLYURETHANE ADHESIVE AND METHOD OF PREPARING THE SAME	IPRFiledPublished	201941040087	National	2019 - 10	Uploaded	Filed	No

Department/Centre Name

Mechanical Engineering

#### List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data Flled!

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

No Data Flled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner
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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. G.V.R.Srinivasa Rao (Head of Institute) and Dr. Shaik Dilkush (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

Prof. G.V.R.Srinivasa Rao Head of the Institution, Nuzvid, Andhra Pradesh Nodal officer

Dr. Shaik Dilkush Nodal Officer, Nuzvid, Andhra Pradesh

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