



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



MoE
Ministry of Education
Government of India

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

Institute Name: Andhra University, Visakhapatnam [ARI-U-0006]

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

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)
Innovation and Incubation Center	Industry Institute Interface Unit	Engineering	UG / PG / PhD	Technical	30	2	1
IPR Chair	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	All	UG / PG / PhD	Both	0	3	1
AU-APSSDC Centre of Excellence	Centre of Excellence with Advance Tools & Equipment	Engineering&research	At all level	Technical	4600	16	3

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	No	Not Required
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)	Yes	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?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

1	Seminar on IPR	IPR	Awareness	Institute Lead Activity	INTERNAL QUALITY ASSURANCE CELL, ANDHRA UNIVERSITY	26-02-2020 00:00:00	26-02-2020 00:00:00	1	Within Campus	100	30	2	1	133	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	4500	No
2	IPR and its role in today's world	IPR	Workshop	Institute Lead Activity	Dr.B.R.A mbedkar College of law	11-12-2019 00:00:00	11-12-2019 00:00:00	1	Within Campus	45	12	15	2	74	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	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	SENSITIZATION program on patent filing and its importance	IPR	Mentoring Session	ANDHRA UNIVERSITY	Govt. Agency (State)	19-12-2019 00:00:00	19-12-2019 00:00:00	1	45	15	60	No	---	---	No	No
2	IPR and its role in today's world	IPR	Workshop	Dr.B.R.A mbedkar college of law	Govt. Agency (State)	11-12-2019 00:00:00	11-12-2019 00:00:00	1	45	12	57	No	---	---	No	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	Research Methodologies IPR	IPR	Elective/Core Credit Course	Master	College of Engineering Andhra University	26-12-2019	30-04-2020	127	Offline	60	60
2	IDRC in research methodology for science and social sciences	IPR	Short term Course	Short Term Certificate Course	AU-UGC Human resource Development centre	19-08-2019	01-09-2019	14	Offline	47	50
3	Law of Industrial and Intellectual Property	IPR	Elective/Core Credit Course	Master	COLLEGE OF LAW	20-11-2019	27-04-2020	160	Offline	28	60
4	Intellectual Property rights litigations	IPR	Elective/Core Credit Course	Bachelor	College of LAW	20-11-2019	27-04-2020	160	Offline	112	60

5	Entrepreneurship and small business management	Entrepreneurship/Startup	Elective/Core Credit Course	Credit Course (Compulsory)	Commerce and Management Studies	04-11-2019	30-04-2020	179	Offline	60	64
6	Entrepreneurship and small business management	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	All UG Engineering departments	04-11-2019	30-04-2020	179	Offline	100	64

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	Evaluation of student ideas	Entrepreneurship/Startup	Employment Generation Training Programs	AU Incubation Centre	09-03-2020	12-03-2020	4	Offline	50	32
2	Automation lab	Entrepreneurship/Startup	Employment Generation Training Programs	AU-APSSDC Center of Excellence	06-05-2019	31-05-2019	26	Online	198	116
3	Training on CNC Lab	Innovation	Employment Generation Training Programs	AU-APSSDC Center of Excellence	18-12-2019	25-12-2019	8	Offline	750	64
4	training on Test optimization Lab	Innovation	Employment Generation Training Programs	AU-APSSDC Center of Excellence	16-01-2020	23-01-2020	8	Offline	425	64
5	INTERNSHIP For STUDENTS IN PLM LAB	Innovation	Employment Generation Training Programs	AU-APSSDC Center of Excellence	20-11-2019	10-01-2020	52	Offline	20	400

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)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20				
1	Dr.H.Purushotam	IPR	DPIIT-IPR chair Professor	No	Yes				
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

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	AU United Students Club	Idea Club	2018	Co-working Space,None	Incubation Unit	2	Mr. K. Prabhu Vikas	sakivkp@gmail.com	9985630195
2	GITA	Idea Club	2020	None	Pre-Incubation Unit	7	Mr.A.Vineel Judson	avjudson@andhrauniversity.edu.in	8897482213

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)

Srno	Name of Pre-Incubation Centre	Type of Facility	Year of Establishment	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre-Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit 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 Pre-Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?	
1	AU Innovation Centre	Innovation Centre	2020	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	Facility Incharge Name	Ravi Eswarapu	1	No	No	Yes
							Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in				
							Facility Incharge Phone	9949832000				
Source of Grant / Fund					Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)		
Funding Agency					RUSA			Govt. Agency (Central)		0		
2	DPIIT- IPR Chair	Startup Cell	2020	Co-working Space	IPR Cell/Technology Transfer Centre	IPR Cell/Technology Transfer Centre	Facility Incharge Name	Dr.H.Purushotam	3	No	No	No
							Facility Incharge Email	iprchair@andhrauniversity.edu.in				
							Facility Incharge Phone	9599229217				
3	Au Incubation centre	Startup Cell	2020	Co-working Space,Work Stations	Incubation Unit,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	Incubation Unit,Innovation Park/Research Park,Centre of Excellence with Advance Tools,IPR Cell/Technology Transfer Centre,Student Clubs	Facility Incharge Name	Ravi Eswarapu	1	No	No	Yes
							Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in				
							Facility Incharge Phone	9949832000				
Source of Grant / Fund					Agency Name			Agency Type		Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)		
Funding Agency					RUSA			Govt. Agency (Central)		0		

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?						
1	AU-APSSDC Center of Excellence	2018	Pre-Incubation, Incubation Unit, Innovation Labs	APSSDC with Siemens	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. P.mallikarjuna Rao</td> </tr> <tr> <td>Facility Incharge Email</td> <td>electricprofessor@gmail.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9848175818</td> </tr> </table>	Facility Incharge Name	Prof. P.mallikarjuna Rao	Facility Incharge Email	electricprofessor@gmail.com	Facility Incharge Phone	9848175818	6	No	No	No
Facility Incharge Name	Prof. P.mallikarjuna Rao														
Facility Incharge Email	electricprofessor@gmail.com														
Facility Incharge Phone	9848175818														

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

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Incubation Facility 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 Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?						
1	Au Incubation centre	2020	Innovation Labs, Centre of Excellence with Advance Tools, IPR Cell/Technology Transfer Centre, Student Clubs	RUSA Ministry of HRD	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Ravi Eswarapu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>ceo.incubation@andhrauniversity.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9949832000</td> </tr> </table>	Facility Incharge Name	Ravi Eswarapu	Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in	Facility Incharge Phone	9949832000	1	No	No	Yes
Facility Incharge Name	Ravi Eswarapu														
Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in														
Facility Incharge Phone	9949832000														
Source of Grant / Fund				Agency Name		Agency Type		Total Grants / Funds Received by Incubation Facility exists in Campus (In Rupees)							

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

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovation Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Research Park/Innovation Park 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 Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

1	AU Incubation and innovation Center	2020	Pre-Incubation, Incubation Unit, Innovation Labs, Centre of Excellence with Advance Tools, Student Clubs	Prof G V Ravindranadh Babu	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Ravi Eswarapu</td> </tr> <tr> <td>Facility Incharge Email</td> <td>ceo.incubation@andhrauniversity.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9440541623</td> </tr> </table>	Facility Incharge Name	Ravi Eswarapu	Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in	Facility Incharge Phone	9440541623	1	No	No	No
Facility Incharge Name	Ravi Eswarapu														
Facility Incharge Email	ceo.incubation@andhrauniversity.edu.in														
Facility Incharge Phone	9440541623														

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

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre 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 IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Startup/Venture Development and implementation during the Financial Year 2019-20?						
1	Centre for Intellectual Property Rights (CIPR)	2020	Pre-Incubation, Innovation Labs	SPRIHA Scheme - DPIIT, Ministry of Commerce and Industry, Govt. Of India	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Prof. H. Purushotham</td> </tr> <tr> <td>Facility Incharge Email</td> <td>iprchair@andhrauniversity.edu.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9599229217</td> </tr> </table>	Facility Incharge Name	Prof. H. Purushotham	Facility Incharge Email	iprchair@andhrauniversity.edu.in	Facility Incharge Phone	9599229217	5	No	No	No
Facility Incharge Name	Prof. H. Purushotham														
Facility Incharge Email	iprchair@andhrauniversity.edu.in														
Facility Incharge Phone	9599229217														

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

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Dr.H.Purushotam	DPIIT-IPR chair Professor	IPR Protection & Commercialization	15
Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI		CIN (in case it is Startup)
Patent Filing		Within		

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

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	Alcove partners	Entrepreneurship/Startup Development	Unstructured Mentorship

1	System to enable home automation functionality for existing physical switches	Product Innovation	Technological	ANTAR IoT Pvt.Ltd	External to the Institute/Incubatee	TRL 8 : First of a kind commercial system. Manufacturing issues solved.	TRL 9 : Full commercial application , technology available for consumers.	Innovation Adopted and Implemented at Ground	No	Yes	No	Loan/Investment Agency Name		No
												Agency Type		
												Total Loan/Angel Investment/VC Fund raised by Start-up during the period of pre-incubation/incubation support at your Pre-incubation/incubation or institute financial period 2019-20 (in Rupees)		
												Date of Investment Raised		
Name		Type			Gender			Email			Contact			
Rajaneesh vasanta		Incubatee Entrepreneur			Male			rajneesh@antarsmarthomes.com			9966402361			

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

No Data Filled!

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	IT Association of Andhra Pradesh	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation,Incubation,Mentoring,Networking	10	18-02-2020

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/Transferred to Industry/Startup/Society?
1	A Method for treating textile effluent	IPRFiledPublished	335672 21/04/	National	2019 - 09	Uploaded	Filed	No
	<div style="background-color: #002060; color: white; text-align: center; padding: 2px;">Department/Centre Name</div> Department of Chemical en							
2	A NOVEL SUSTAINABLE MULTI COOL REFRIGERATION SYSTEM	IPRFiledPublished	L-96338/2020	National	2020 - 03	Uploaded	Filed	No
	<div style="background-color: #002060; color: white; text-align: center; padding: 2px;">Department/Centre Name</div> Dept. of CSSE, Andhra Uni							

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

No Data Filled!

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

No Data Filled!

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

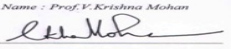
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself Prof. V.KRISHNA MOHAN (Head of Institute) and Mr. D.LALITHA BHASKARI (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



Name : Prof. V. Krishna Mohan
Signature of the Chairperson,
IQAC(Registrar, Andhra University)
REGISTRAR
ANDHRA UNIVERSITY
VISAKHAPATNAM-530 003

Prof. V.KRISHNA MOHAN
Head of the Institution,
Visakhapatnam, Andhra Pradesh

Nodal officer



Signature of the Nodal Officer,
D. Lalitha Bhaskari
Nodal Officer
IQAC(Registrar, Andhra University)
REGISTRAR
ANDHRA UNIVERSITY
VISAKHAPATNAM-530 003

Mr. D.LALITHA BHASKARI
Nodal Officer,
Visakhapatnam, Andhra Pradesh