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

Institute Name: KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE [ARI-C-27400]

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	KITSW-Research Unit	Research Unit / Park	Research and Development	At all level	Technical	50	1	1
2	KITSW-Incubation Unit	Incubation Unit	Entrepreneurship	UG / PG / PhD	Technical	5	1	1
3	KITSW - Pre-Incubation Unit	Pre-incubation unit	Entrepreneurship	UG / PG / PhD	Technical	5	1	1
4	KITSW - Industry Institute Interaction Unit	Industry Institute Interface Unit	Internships	UG / PG / PhD	Technical	100	1	1
5	KITSW - IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Research and Development	At all level	Technical	5	2	1
6	BOT Laboratory - Automation Anywhere Center of Excellence	Centre of Excellence with Advance Tools & Equipment	Computer Science	UG / PG / PhD	Technical	150	1	1
7	CISCO Networking Academy - Center of Excellence	Centre of Excellence with Advance Tools & Equipment	Computer Science	UG / PG / PhD	Technical	60	1	1
8	Indo American Artificial Heart Project - Center of Excellence	Centre of Excellence with Advance Tools & Equipment	Bio medical - Mechatronics	UG / PG / PhD	Technical	2	1	1
9	NI Lab View - Center of Excellence	Centre of Excellence with Advance Tools & Equipment	Electronics	UG / PG / PhD	Technical	100	1	1
10	CIVIL ENGINEERING	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	360	31	10
11	MECHANICAL ENGINEERING	Academic Department with lab facility	MECHANICAL ENGINEERING	UG / PG / PhD	Technical	360	42	12
12	Electronics and Instrumentation Engineering	Academic Department with lab facility	Electronics and Instrumentation Engineering	UG / PG / PhD	Technical	120	14	6
13	COMPUTER SCIENCE and ENGINEERING	Academic Department with lab facility	COMPUTER SCIENCE and ENGINEERING	UG / PG / PhD	Technical	600	46	12

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

14	INFORMATION TECHNOLOGY	Academic Department with lab facility	INFORMATION TECHNOLOGY	UG / PG / PhD	Technical	180	13	5
15	ELECTRONICS and COMMUNICATION ENGINEERING	Academic Department with lab facility	ELECTRONICS and COMMUNICATION ENGINEERING	UG / PG / PhD	Technical	600	33	8
16	ELECTRICAL and ELECTRONICS ENGINEERING	Academic Department with lab facility	ELECTRICAL and ELECTRONICS ENGINEERING	UG / PG / PhD	Technical	360	34	8

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 : IC201811135
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

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

No Data FIled!

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	Formula Bharath	Innovation	Demo Day	Formula Student	International Agencies	22-01-2020 00:00:00	26-01-2020 00:00:00	5	21	1	22	Yes	Overall 28th position	Force Racing	No	Award / Position / Recognition Secured: Overall 28th position; Title of Innovation / Start-up Secured the Award / Recognition: Force Racing; Award/Recognition/Achievement Received for: Idea/Innovation/Prototype

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

2	National Electrical Kart Championship	Innovation	Demo Day	Credible India	Non-Govt. Agencies	01-03-2020 00:00:00	05-03-2020 00:00:00	5	20	1	21	Yes	1st prize in lightest vehicle category, overall 5th position	Force Racing	No	

Award / Position / Recognition Secured	1st prize in lightest vehicle category, overall 5th position
Title of Innovation / Start-up Secured the Award / Recognition	Force Racing
Award/Recognition/Achievement Received for	Idea/Innovation/Prototype

3	Entrepreneurship Development	Entrepreneurship/Startup	Skill development	SR Engineering College	Educational Institute	18-11-2019 00:00:00	30-11-2019 00:00:00	13	0	2	2	No	---	---	No	No

4	Technology Entrepreneurship Programme(TEP)	IPR	Training	Indian School of Business	Govt. Agency (Central)	08-04-2019 00:00:00	30-03-2020 00:00:00	35	2	1	3	Yes	Student Ambassador	E-Magnet	No	

Award / Position / Recognition Secured	Student Ambassador
Title of Innovation / Start-up Secured the Award / Recognition	E-Magnet
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)

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 Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	23-12-2019	11-04-2020	111	Offline	141	36
2	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechanical Engineering	08-07-2019	26-10-2019	111	Offline	75	36
3	Entrepreneurship Development	Innovation	Elective/Core Credit Course	Bachelor	Information Technology	23-12-2019	23-04-2020	123	Offline	60	60
4	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Civil Engineering	13-08-2019	30-11-2019	110	Offline	51	45
5	Entrepreneurship Development	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	computer science and engineering	08-07-2019	26-10-2019	111	Offline	90	48

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 FIled!

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)

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	N C SANTHOSH	COMPUTER SCIENCE AND ENGINEERING	ASSISTANT 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

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

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	Student Innovation Club	Idea Club	2018	Co-working Space,3D Printing	Pre-Incubation Unit,Incubation Unit,Innovation Labs	4	P Spoorthy Shivani	pabbaspoorthy06@gmail.com	8247414222

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)

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	KITSW - Pre-Incubation center	EDC	2014	Co-working Space,3D Printing & Prototype Equipment, Work Stations	Innovation Labs,Student Clubs	Innovation Labs,Student Clubs	Facility Incharge Name: Mr. N.C.Santosh / Facility Incharge Email: ncs.cse@kitsw.ac.in / Facility Incharge Phone: 9948838482	1	Yes	No	No

Section 3 > ii > b : 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	Name of the Funding Schemes	Facility Details	Total Nos of Dedicated Executive/Manag	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

			HEI	Available with CoE, if any (Optional)		ement team Strength Engaged at the Facility	Development and implementation during the Financial Year 2019-20?		Establishment/Operation of CoE Centre/Facilities?
1	NI Lab View - Center of Excellence	2018	Innovation Park/Research Park	Centers of Excellence	Facility Incharge Name: Dr K VENU MADH AV Facility Incharge Email: kvm.eie@kitsw.ac.in Facility Incharge Phone: 9032072025	2	No	No	Yes

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Funding Agency	KITSW	Educational Institute	1700000

			HEI	Available with CoE, if any (Optional)		ement team Strength Engaged at the Facility	Development and implementation during the Financial Year 2019-20?		Establishment/Operation of CoE Centre/Facilities?
2	CISCO Networking Academy Laboratory - Center of Excellence	2019	Innovation Park/Research Park	Centers of Excellence	Facility Incharge Name: D RAMESH Facility Incharge Email: dr.cse@kitsw.ac.in Facility Incharge Phone: 9491320100	2	No	No	Yes

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	-	Educational Institute	4100000

			HEI	Available with CoE, if any (Optional)		ement team Strength Engaged at the Facility	Development and implementation during the Financial Year 2019-20?		Establishment/Operation of CoE Centre/Facilities?
3	BOT Laboratory_ Automation Anywhere - Center of Excellence	2018	Innovation Park/Research Park	Centers of Excellence	Facility Incharge Name: S NAGA RAJU Facility Incharge Email: sn.cse@kitsw.ac.in Facility Incharge Phone: 9885566578	2	No	No	Yes

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
Institute's Own Fund / Resource	-	Educational Institute	1450000

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

No Data FIled!

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

No Data FIled!

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

No Data FIled!

Section 3 > iii > a : 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	N C SANTHOSH	ASSISTANT PROFESSOR	Idea/Innovation Development	8
	Name of Idea/Innovation/ Startup Mentored		Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Institute - Smart Data Retrieval System		Within	

Section 3 > iii > b : 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	Dr. P. Sudhakar Reddy, Professor of medicine, University of Pittsburgh medical center, USA	Idea/Innovation Development	Unstructured Mentorship
2	Dr. James Francis Antaki, , Professor of medicine, Cornell University, USA	Idea/Innovation Development	Unstructured Mentorship
3	Dr. Harvey Borovetz, Professor of medicine, University of Pittsburgh medical center, USA	Idea/Innovation Development	Unstructured Mentorship
4	Dr. P.Ravindar Reddy, Professor of MED, CBIT, Hyderabad	Idea/Innovation Development	Unstructured Mentorship
5	Dr. A. Subhananda Rao, Dirctor, R&D, SNIST, Hyderabad	Idea/Innovation Development	Unstructured Mentorship

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

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	Left Ventricular Assisted Device with Magnetic Levitation Device with Magnetic Levitation	Product Innovation	Technological	Indo-American Artificial Heart Project Lab	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	Grant Amount in Rs 2236400	No	No

Name	Type	Gender	Email	Contact
Dr. K. Eswaraiah	Faculty	Male	kes.me@kitsw.ac.in	9949106646

Name	Type	Gender	Email	Contact
Dr. K. Sridhar	Faculty	Male	ks.me@kitsw.ac.in	-
Dr. G. Ganesh Kumar	Faculty	Male	ggk.me@kitsw.ac.in	-
Dr. K. Venu Madhav	Faculty	Male	kvm.eie@kitsw.ac.in	-
Dr. K. Ashoka Reddy	Faculty	Male	principal@kitsw.ac.in	-

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	Recognition	Venture	Financial support	Seed fund	Income/revenue
2	Apparatus for converting dynamic energy of wheels of an automobile into electrical	Product Innovation	Technological	Mechanical engineering	Faculty	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	No	No	No	No	No

Name	Type	Gender	Email	Contact
Dr.G. Ganesh Kumar	Faculty	Male	ggk.me@kitsw.ac.in	7382576024

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

No Data Flled!

Section 7 > i : 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	Prathiraj Metal Masters Private Limited, Hyderabad	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	8	15-07-2019
2	Blackbuck Engineering Pvt Ltd, Hyd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	15-05-2020
3	Transfinite Innovative Solution Pvt Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	25	20-07-2019
4	Telangan Information Technology Association	Govt. Agency (State)	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	5	15-08-2019

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

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	Left Ventricular Assisted Device with Magnetic Levitation Device with magnetic levitation	202041041609	National	2019 - 10	Uploaded