



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: Hindusthan College of Engineering and Technology [ARI-C-37063]

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)
Hindusthan Innovative Product Development Center	Incubation Unit	Design and Manufacturing	UG / PG / PhD	Technical	60	5	2
CADCAM Lab	Academic Department with lab facility	Design and Analysis of components	UG / PG / PhD	Technical	60	3	2
Messer Cutting centre of excellence Lab	Centre of Excellence with Advance Tools & Equipment	Metal Cutting	UG / PG / PhD	Technical	30	3	1
HICET IPR CELL	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Patent	UG / PG / PhD	Technical	45	15	1
Manufacturing Lab	Academic Department with lab facility	Machining	UG / PG / PhD	Technical	70	3	2
Hiracing Lab	Academic Department with lab facility	Development of future concept vehicles	UG / PG / PhD	Technical	60	3	1
Centre for Energy Research	Research Unit / Park	Solar Energy	UG / PG / PhD	Technical	60	6	1
Digital Fabrication Lab	Centre of Excellence with Advance Tools & Equipment	Rapid Prototyping	UG / PG / PhD	Technical	45	5	1
Computer Aided Design Lab	Academic Department with lab facility	Design and Analysis	UG / PG / PhD	Technical	60	10	1
Aircraft strength of materials lab	Academic Department with lab facility	Study on strength of the materials	UG / PG / PhD	Technical	30	4	1
Aircraft Structures lab	Academic Department with lab facility	Study on the material response for vibration	UG / PG / PhD	Technical	8	1	1
Aircraft Design lab and Avionics lab	Academic Department with lab facility	Design of aircraft/UAV	UG / PG / PhD	Technical	20	4	1
Biomedical Equipment LAB	Academic Department with lab facility	Study on Biomedical devices	UG / PG / PhD	Technical	20	3	1
Computer Aided Designing and Drafting Lab	Academic Department with lab facility	Drafting , Designing and Analysis	UG / PG / PhD	Technical	50	5	2
Concrete and Highway Lab	Academic Department with lab facility	Preliminary tests on Construction Materials	UG / PG / PhD	Technical	30	3	1

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AR Research Lab	Academic Department with lab facility	Augmented Reality	UG / PG / PhD	Technical	50	4	2
Cloud Application Development and Incubation center	Academic Department with lab facility	Cloud Computing	UG / PG / PhD	Technical	75	10	2
Intel Research Laboratory	Academic Department with lab facility	Design and developing of IoT related Projects	UG / PG / PhD	Technical	70	4	1
Texas Instruments University program Laboratory	Academic Department with lab facility	Developing Embedded related projects	UG / PG / PhD	Technical	70	3	1
Project Development Laboratory	Academic Department with lab facility	Development of Electronics and Communication Projects	UG / PG / PhD	Technical	120	4	1
VLSI Design Laboratory	Academic Department with lab facility	Design Analysis of analog and digital circuits using CADENCE	UG / PG / PhD	Technical	70	3	1
Open Source Lab	Academic Department with lab facility	IOT(Raspberry Pi)	UG / PG / PhD	Technical	60	3	2
Programming Lab	Academic Department with lab facility	JAVA	UG / PG / PhD	Technical	60	3	2
RDBMS Lab	Academic Department with lab facility	ARGO UML,Oracle,Eclipse,VB 6	UG / PG / PhD	Technical	50	3	1
SIMULATION LABORATORY	Academic Department with lab facility	PRODUCT DESIGN AND ANALYSIS	UG / PG / PhD	Technical	40	5	1
SENSORS AND SIGNAL CONDITIONING LABORATORY	Academic Department with lab facility	SENSORS AND MEASUREMENTS	UG / PG / PhD	Technical	40	4	1
INDUSTRIAL AUTOMATION AND CONTROL LABORATORY	Academic Department with lab facility	STUDY ON AUTOMATION AND CONTROL SYSTEM	UG / PG / PhD	Technical	40	2	1
ROBOTICS LABORATORY	Academic Department with lab facility	STUDY ON ROBOTS AND ADAMS SOFTWARE	UG / PG / PhD	Technical	40	2	1
FLUID POWER LABORATORY	Academic Department with lab facility	APPLICATIONS ON AUTOMATIONS	UG / PG / PhD	Technical	35	2	1
CONTROL AND ELECTRICAL MACHINES LABORATORY	Academic Department with lab facility	INDUSTRIAL MOTOR CONTROL APPLICATIONS	UG / PG / PhD	Technical	35	2	1
ASSEMBLY LANGUAGE AND PROGRAMMING LABORATORY	Academic Department with lab facility	PROGRAMMING AND INTERFACING	UG / PG / PhD	Technical	40	2	1
Volvo Eicher	Industry Institute Interface Unit	Automobile	UG / PG / PhD	Technical	150	8	2
Ashok Leyland	Incubation Unit	Automobile	UG / PG / PhD	Technical	80	3	3
Bull Machines	Industry Institute Interface Unit	Automobile	UG / PG / PhD	Technical	10	2	1
Sri Varu Motors Pvt Ltd	Industry Institute Interface Unit	Electric Mobility	UG / PG / PhD	Technical	6	1	1

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JK Tyre	Industry Institute Interface Unit	Motorsports	UG / PG / PhD	Technical	50	3	1
Automotive Components Lab	Industry Institute Interface Unit	60	UG / PG / PhD	Technical	60	2	1
Automotive Components Lab	Academic Department with lab facility	New Product Development	UG / PG / PhD	Technical	60	2	1
Automotive Electrical and Electronics Lab	Academic Department with lab facility	Development of Electric Go Kart Vehicle	UG / PG / PhD	Technical	27	2	1
Automotive and Fuels and Lubricants Lab	Academic Department with lab facility	Alternate fuels	UG / PG / PhD	Technical	12	2	1
Vehicle Performance and Analysis Lab	Academic Department with lab facility	Engine Performance Analysis	UG / PG / PhD	Technical	50	2	1
Vehicle Maintenance Lab	Academic Department with lab facility	Development of Go Kart Vehicle	UG / PG / PhD	Technical	50	4	1
Virtual Instrumentation Laboratory, Dept. of EIE	Academic Department with lab facility	Design and Analysis	UG / PG / PhD	Technical	35	2	1
Engineering Practice Lab	Academic Department with lab facility	Design and study of PV panels usage	UG / PG / PhD	Technical	30	2	1
ROBOTICS LABORATORY	Academic Department with lab facility	STUDY ON AUTOMATION AND CONTROL SYSTEM	UG / PG / PhD	Technical	40	2	1
FLUID POWER LABORATORY	Academic Department with lab facility	APPLICATIONS ON AUTOMATIONS	UG / PG / PhD	Technical	40	2	1
CONTROL AND ELCETRICAL MACHINES LABORATORY	Academic Department with lab facility	INDUSTRIAL MOTOR CONTROL APPLICATIONS	UG / PG / PhD	Technical	40	2	1
ASSEMBLY LANGUAGE PROGRAMMING LABORATORY	Academic Department with lab facility	PROGRAMMING AND INTERFACING	UG / PG / PhD	Technical	40	2	1
Cloud Bull	Industry Institute Interface Unit	Cloud Computing	UG / PG / PhD	Technical	150	20	2
Red Hat Academy	Industry Institute Interface Unit	Linux administer	UG / PG / PhD	Technical	100	22	1
Infosys Campus Connect Program	Industry Institute Interface Unit	Foundation Skills, Python & DB	UG / PG / PhD	Technical	125	20	1
Guvi Technologies	Industry Institute Interface Unit	Deep Learning & Machine Learning	UG / PG / PhD	Technical	50	5	1
AWS	Industry Institute Interface Unit	Cloud Computing Services	UG / PG / PhD	Technical	60	3	1
Wipro Technologies	Industry Institute Interface Unit	Java	UG / PG / PhD	Technical	60	3	1
Salesforce	Academic Department with lab facility	Cloud Services	UG / PG / PhD	Technical	50	2	1
VmWare	Academic Department with lab facility	Cloud Managing Services	UG / PG / PhD	Technical	125	5	1
Oracle Academy	Industry Institute Interface Unit	Database Management	UG / PG / PhD	Technical	120	3	1

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IBM	Industry Institute Interface Unit	Integration Course	UG / PG / PhD	Technical	100	3	1
Strength of Materials Lab	Academic Department with lab facility	Study on Mechanical Properties of Materials	UG / PG / PhD	Technical	80	3	1
Survey Lab	Academic Department with lab facility	Contouring using Total Station in Hill areas	UG / PG / PhD	Technical	80	2	1
Soil Mechanics Lab	Academic Department with lab facility	Study on Index Property and Engineering Property of soil	UG / PG / PhD	Technical	60	4	1
Centre of Excellence Royal Enfield	Centre of Excellence with Advance Tools & Equipment	Automobile	UG / PG / PhD	Technical	600	20	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	Yes	IIC Registration ID : IC201811612
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)	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	SUVC 2019	Innovation	Innovation Contest	Institute Lead Activity	Mechanical Engineering	26-02-2020 00:00:00	01-03-2020 00:00:00	5	Within Campus	80	30	420	20	550	<table border="1"> <tr> <td>Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)</td> <td>100000</td> </tr> </table>	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	100000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Winner</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Overall RUNNERUP award and Dronacharya award.</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Winner	Title of Innovation / Start-up Secured the Award / Recognition	Overall RUNNERUP award and Dronacharya award.	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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Award/Recognition/Achievement Received for	Idea/Innovation/Prototype																							

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

2	DST Sponsored Entrepreneurship Awareness Camp 1	Entrepreneurship/Startup	Boot camp	Institute Lead Activity	Electronics and Communication Engineering	14-10-2019 00:00:00	16-10-2019 00:00:00	3	Within Campus	170	10	0	0	180	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
3	DST Sponsored Entrepreneurship Awareness Camp 2	Entrepreneurship/Startup	Boot camp	Institute Lead Activity	Electronics and Communication Engineering	06-01-2020 00:00:00	08-01-2020 00:00:00	3	Within Campus	225	25	0	0	250	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	20000	No
4	E Waste Management and it Opportunities	Innovation	Awareness	Institute Lead Activity	Electronics and Instrumentation	07-03-2020 00:00:00	07-03-2020 00:00:00	1	Within Campus	60	10	0	0	70	No	No	
5	Corporate Talk on Current Software Market	Entrepreneurship/Startup	Seminar	Institute Lead Activity	Computer Applications	19-08-2019 00:00:00	19-08-2019 00:00:00	1	Within Campus	60	5	0	0	65	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

Smo	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	TIA Entrepreneur Meet	Entrepreneurship/Startup	Awareness	TIA	Non-Govt. Agencies	30-08-2019 00:00:00	30-08-2019 00:00:00	1	2	0	2	No	---	---	No	No							
2	SAE Efficycle 2019	Innovation	Innovation Contest	SAEINDIA	International Agencies	02-10-2019 00:00:00	06-10-2019 00:00:00	5	13	1	14	Yes	Winner award	Acceleration	Total Expense Amount Incurred by Institute? (In Rupees)	100000	<table border="1"> <tr> <td>Award / Position / Recognition Secured</td> <td>Winner award</td> </tr> <tr> <td>Title of Innovation / Start-up Secured the Award / Recognition</td> <td>Acceleration</td> </tr> <tr> <td>Award/Recognition/Achievement Received for</td> <td>Idea/Innovation/Prototype</td> </tr> </table>	Award / Position / Recognition Secured	Winner award	Title of Innovation / Start-up Secured the Award / Recognition	Acceleration	Award/Recognition/Achievement Received for	Idea/Innovation/Prototype
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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

3	SUVC 2019	Innovation	Innovation Contest	Refrangible Society of Technophile Engineers	Non-Govt. Agencies	26-02-2020 00:00:00	01-03-2020 00:00:00	5	40	2	42	Yes	Overall Runner up champion	Winner in Acceleration, Innovation, endurance, Autocross and Skip pad	Total Total Expense Amount Incurred by Institute? (In Rupees)	50000	Award / Position / Recognition Secured	Overall Runner up champion
4	E BAJA 2019	Innovation	Innovation Contest	SAEINDIA	International Agencies	15-01-2020 00:00:00	19-01-2020 00:00:00	5	25	1	26	No	---	---	Total Total Expense Amount Incurred by Institute? (In Rupees)	200000	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	ENTREPRENEURSHIP DEVELOPMENT	Entrepreneurship/Startup	Elective/Core Credit Course	Bachelor	Mechatronics Engineering	02-01-2020	30-04-2020	120	Offline	120	45
2	ENTREPRENEURSHIP AND INNOVATION	Entrepreneurship/Startup	Full time Program	Bachelor	Science and Humanity	02-07-2020	31-12-2020	183	Offline	1180	45
3	Entrepreneurship and Business Concepts	Entrepreneurship/Startup	Full time Program	Bachelor	Mechanical Engineering	02-01-2020	30-04-2020	120	Offline	180	45
4	ENTREPRENEURSHIP DEVELOPMENT	Entrepreneurship/Startup	Full time Program	Master	MBA	02-06-2020	30-12-2020	212	Offline	59	45

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!

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
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1	Dr. Y. Ras Mathew	Mechanical Engineering	Associate Professor	Highest degree name in I&E and IPR		Certificate Course on Effective Patent Drafting (PAT DRAFT to be held on 22nd to 26th November 2017)		Yes													
				Degree Type		Diploma															
				Year of Highest degree in I&E and IPR		2017															
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					
MSME Orientation Programme in New deihi		Entrepreneurship/Startup		Short term Certificate		MSME		Govt. Agency (Central)		30-01-2020 00:00:00		30-01-2020 00:00:00		1		Offline					
2	Dr. K.Siva	Mechanical Engineering	Professor and Head	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	
				Incubation Manager training		Entrepreneurship/Startup		Short term Certificate		MSME		Govt. Agency (Central)		01-04-2019 00:00:00		10-04-2019 00:00:00		10		Offline	
3	Dr. M. Mohan Raj	Mechanical	Professor	Highest degree name in I&E and IPR		Certified Energy Manager		No													
				Degree Type		Diploma															
				Year of Highest degree in I&E and IPR		2017															
4	Dr. Karpagam	Electronic and Instrumentation Control	Associate Professor	No		No															
5	Mr. R. Jayaraj	Computer Science and Engineering	Assistant Professor	No		No															
6	Dr.Veerasamy	Electrical and Communication engineering	Associate Professor	No		No															

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	HI Racing Club	Innovation Club	2014	3D Printing	Incubation Unit	3	Suriyanarayanan .M	singamsuriya9@gmail.com	8825621701
2	UAV Club	Innovation Club	2018	Co-working Space,Work Stations	Incubation Unit	5	Raja Mohamed	saravanavel2004@gmail.com	8667099557
3	Innovation Club	Innovation Club	2019	Co-working Space	Incubation Unit	2	Deepak Prasad	deepakprasad55812@gmail.com	9345616054
4	E waste Management Club	Innovation Club	2020	Work Stations	Innovation Labs	1	Divinesh	18107002@hicet.acin	9677382728

5	Energy Club	Innovation Club	2018	3D Printing	Innovation Labs	4	Prakash. S	18105042@hicet.ac.in	8122827819
6	Programmers Club	Idea Club	2019	Work Stations	Innovation Labs	2	J. Rafiq	18110064@hicet.ac.in	9087789818
7	Entrepreneurship Development Club	Startup Club	2017	Co-working Space	Incubation Unit	2	K. Abishiek	18206002@hicet.ac.in	9159409120
8	HR club	Startup Club	2017	Co-working Space	Incubation Unit	2	R. Indhumathi	19206020@hicet.ac.in	8940766563

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?
							Facility Incharge Name	Facility Incharge Email				
1	Hindusthan Innovative Product Development Center	Innovation Centre	2015	Co-working Space,3D Printing & Prototype Equipment	Incubation Unit,Student Clubs	Incubation Unit,Student Clubs	Facility Incharge Name	Dr. Y. Ras Mathe w	10	Yes	No	Yes
							Facility Incharge Email	rasmat hew@yahoo.com				
							Facility Incharge Phone	984309 8864				
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				MSME				Govt. Agency (Central)		1120000		
Institute's Own Fund / Resource				Hindusthan				Educational Institute		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?
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List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

1	Hindusthan Eicher Regional Competence Development Center	2019	IPR Cell/Technology Transfer Centre	Nil	Facility Incharge Name	Dr. C. Sabari nathan	4	Yes	Yes		Yes
					Facility Incharge Email	autoh d@hic et.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	98422 05450			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund			Agency Name			Agency Type			Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		
2	Hindusthan Royal Enfield Center of Excellence	2020	IPR Cell/Technology Transfer Centre	Nil	Facility Incharge Name	Dr. C. Sabari nathan	4	Yes	Yes		Yes
					Facility Incharge Email	autoh d@hic et.ac.in			Total Annual Income from Training and Skill Development Services (In Rupees)		
					Facility Incharge Phone	98422 05450			Total Annual Income from (Technical and Business) Mentoring Services (In Rupees)		
									Total Annual Income from Office Space and Rental Services to Start-ups/Innovators (In Rupees)		
Source of Grant / Fund			Agency Name			Agency Type			Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)		

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

3	INTEL RESEARCH LABORATORY	2017	Innovation Labs		Facility Incharge Name	Dr.A.S URES H BABU	3	No	No	Yes
					Facility Incharge Email	suresh babu.e ce@hi cet.ac.i n				
					Facility Incharge Phone	99947 14190				
				Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
4	TEXAS INSTRUMENTS UNIVERSITY PROGRAMS	2017	Innovation Labs		Facility Incharge Name	Dr.P.F. KHAL EELU R RAHIM AN	2	No	No	Yes
					Facility Incharge Email	khaleel urrahi man.e ce@hi cet.ac.i n				
					Facility Incharge Phone	99946 41251				
				Source of Grant / Fund		Agency Name		Agency Type		Total Grants / Funds Received by CoE Facility exists in Campus (In Rupees)
5	Digital Fabrication Lab	2015	Pre-Incubation		Facility Incharge Name	S. Alagar	2	Yes	No	No
					Facility Incharge Email	alagar. mech @hicet .ac.in				
					Facility Incharge Phone	86672 59959				

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

6	Virtual Thermal Cutting Lab	2017	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Dr. V. Senthil murugan</td> </tr> <tr> <td>Facility Incharge Email</td> <td>senthil murugan.mech@hict.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>99423 10811</td> </tr> </tbody> </table>	Facility Incharge Name	Dr. V. Senthil murugan	Facility Incharge Email	senthil murugan.mech@hict.ac.in	Facility Incharge Phone	99423 10811	2	No	No	No
Facility Incharge Name	Dr. V. Senthil murugan														
Facility Incharge Email	senthil murugan.mech@hict.ac.in														
Facility Incharge Phone	99423 10811														
7	IPR Cell	2018	IPR Cell/Technology Transfer Centre		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Dr. C. Nithyananam</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nithyanandam.mech@hict.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>90922 80022</td> </tr> </tbody> </table>	Facility Incharge Name	Dr. C. Nithyananam	Facility Incharge Email	nithyanandam.mech@hict.ac.in	Facility Incharge Phone	90922 80022	2	No	No	No
Facility Incharge Name	Dr. C. Nithyananam														
Facility Incharge Email	nithyanandam.mech@hict.ac.in														
Facility Incharge Phone	90922 80022														
8	Center for Energy Research	2018	Innovation Labs		<table border="1"> <tbody> <tr> <td>Facility Incharge Name</td> <td>Dr. M. Mohanraj</td> </tr> <tr> <td>Facility Incharge Email</td> <td>mohanraj.mech@hict.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>94864 11896</td> </tr> </tbody> </table>	Facility Incharge Name	Dr. M. Mohanraj	Facility Incharge Email	mohanraj.mech@hict.ac.in	Facility Incharge Phone	94864 11896	3	No	No	No
Facility Incharge Name	Dr. M. Mohanraj														
Facility Incharge Email	mohanraj.mech@hict.ac.in														
Facility Incharge Phone	94864 11896														

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

1	Hindusthan Innovative Product Development Center	2015	Pre-Incubation, Innovation Labs	MSME	<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. Y. Ras Mathew</td> </tr> <tr> <td>Facility Incharge Email</td> <td>rasmathew@yahoo.com</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9843098864</td> </tr> </table>	Facility Incharge Name	Dr. Y. Ras Mathew	Facility Incharge Email	rasmathew@yahoo.com	Facility Incharge Phone	9843098864	10	Yes	No	Yes
Facility Incharge Name	Dr. Y. Ras Mathew														
Facility Incharge Email	rasmathew@yahoo.com														
Facility Incharge Phone	9843098864														
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)

No Data Filled!

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	HICET IPR Cell	2018	Innovation Labs		<table border="1"> <tr> <td>Facility Incharge Name</td> <td>Dr. C. Nithyanandam</td> </tr> <tr> <td>Facility Incharge Email</td> <td>nithyanandam.mech@hicet.ac.in</td> </tr> <tr> <td>Facility Incharge Phone</td> <td>9092280022</td> </tr> </table>	Facility Incharge Name	Dr. C. Nithyanandam	Facility Incharge Email	nithyanandam.mech@hicet.ac.in	Facility Incharge Phone	9092280022	3	No	No	No
Facility Incharge Name	Dr. C. Nithyanandam														
Facility Incharge Email	nithyanandam.mech@hicet.ac.in														
Facility Incharge Phone	9092280022														

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. Y. Ras Mathew	Associate Professor	Idea/Innovation Development	11

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

		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Electric Vehicle design	Within	
		Loading and Unloading system	Outside	
		Hybrid Cycle	Within	
		Electric All Traine Vrhicle	Within	
		Solar Echicle	Within	
2	Dr. K.Siva	Professor and Head	Entrepreneurship/Startup Development	23
		Name of Idea/Innovation/ Startup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
		Welding holder	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	Mr. S. Shanmugam,	Idea/Innovation Development	Unstructured Mentorship
2	Mr. SIVAKUMAR. T.N.	Entrepreneurship/Startup Development	Unstructured Mentorship
3	Dr. V.S. Saravanan	Idea/Innovation Development	Unstructured Mentorship
4	Mr. Narayanan Mani	Idea/Innovation Development	Unstructured Mentorship

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
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1	Hybrid Tricycle (Efficycle)	Product Innovation	Technological		Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Completed	Agency Name	SAEINDIA	No	Grant Amount in Rs 100000	No	No
								Agency Type	Not-Govt. Agencies					
								Award / Position / Recognition Secured	Winner in acceleration and Best DRONA CHARYA award					

Name	Type	Gender	Email	Contact
Dr.Y. Ras Mathew	Faculty	Male	rasmathew@yahoo.com	9843098864

													2
Name		Type		Gender		Email			Contact				
Electric All train	Product Innovation	Technological		Student	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	TRL 7 : Demonstration system operating in operational environment at pre-commercial scale.	Innovation Development Ongoing	Agency Name	SAEINDIA	No	Grant Amount in Rs 2000000	Yes	
								Agency Type	Not-Govt. Agencies				
								Award / Position / Recognition Secured	nil				

Name	Type	Gender	Email	Contact
Dr.Y. Ras Mathew	Faculty	Male	rasmathew@yahoo.com	9843098864

													3
Name		Type		Gender		Email			Contact				
Mr. S. Ramkumar	Faculty	Male	ramkumar.mech@hiet.ac.in	8056346096									

Machine Vision Based defect inspection system	Service Innovation	Technological		Student	TRL 0 : Idea. Unproven concept, no testing has been performed.	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Dropped	No	No	No	No	No
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Name		Type		Gender		Email		Contact					
Mr Gowtham		Faculty		Male		gowtham.eie@hicet.ac.in		9003635645					
4	Hand gesture Controlled vehicle for differently abled people	Product Innovation	Technological	Student	TRL 0 : Idea. Unproven concept, no testing has been performed .	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).	Innovation Development Ongoing	Agency Name	Tamilnadu State council for Science and Technology	No	7500	No	No
								Agency Type	Govt. Agency (State)				
								Award / Position / Recognition Secured	Student project award Rs 7500				
Name		Type		Gender		Email		Contact					
J. Krishnaraj		Faculty		Male		krishnaraj.auto@hicet.ac.in		9629229594					

Name
E-mail

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	Prayojana Construction Management Training Institute (PCMTI), Salem-5	Educational Institute	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	12	23-02-2019
2	Confederation of Real Estate Developer's Association of India (CREDAI), Coimbatore.	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	15	21-03-2019
3	Coimbatore Builders and Contractors Association (CEBACA), Coimbatore.	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	14	03-01-2020
4	Geo MAPL Infra Surveyors and Engineers, Coimbatore-28.	Corporate / Industry Association	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	20	11-03-2020
5	Ford India PVT LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Investment	60	20-01-2020
6	Periyasamy Hydraulic Equipments	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation, Mentoring	16	11-10-2019
7	Roots Industries India LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	25	23-07-2019
8	VE Commercial vehicle LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	40	16-12-2019

9	Eicher Motors LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation,Mentoring	45	13-09-2019
10	Roots Industries India ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation,Mentoring	55	05-10-2019
11	RSTE	Non-Govt. Agencies	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Pre-incubation,Mentoring	450	01-11-2019
12	BOOM ICE Creams (Benny's Foods)	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	12	20-02-2020
13	GUVI Geek Network Private Ltd	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	16	20-02-2020
14	Imarticus Learning PVT LTD	Corporate / Industry Association	Collaboration with Startups/Industry Associations/Knowledge Agencies to Promote I&E Activities and/or Internship Opportunities	Mentoring	20	01-09-2020

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

No Data Filled!

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	Hybrid Solar ground Heat Pump	2018/0192.1	International	2019 - 04	Uploaded
	2	Multistage heatpump	2018/0193.1	International	2019 - 12
Uploaded		3	Artificial Intelligence Enabled bot for railway track cleaning	202041007777	National
2020 - 03	Uploaded		4	Portable Air Conditioner For Vehicles	201941035581
National	2019 - 10	Uploaded		5	Quality Healthcare and reduced healthcare spending achieved through Artificial Intelligence and Big data
201941031693	National	2019 - 08	Uploaded		6
System and Method for Cooking Food Items	201941030758	National	2019 - 08	Uploaded	
7	Automatic Recognition of Chronological Age using BAA and DAA	201941052546	National	2019 - 12	Uploaded
	8	Hybrid Method for detecting the Chronological Age of Humans	202041005008	National	2020 - 02

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 Dr. K Karunakaran (Head of Institute) and Dr. K SIVA (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

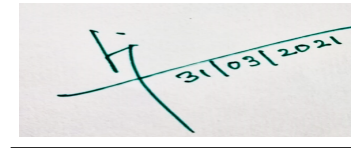
Thank you

The Head of Institute



Dr. K Karunakaran
Head of the Institution,
Coimbatore, Tamil Nadu

Nodal officer



Dr. K SIVA
Nodal Officer,
Coimbatore, Tamil Nadu