



# ARIIA

## ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS



**MHRD**  
Ministry of Human  
Resource Development  
Government of India

### Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2019-20

Institute Name: K S R M College of Engineering [ARI-A-44477]

### Pre-Qualifier (Basic Data Requirement For Financial Year (2018-19))

Name of the Institute/ University/ Group of Institutions and any Autonomous Body ( Incubation Unit/Research Park etc.) located within same campus	Total Annual Expenditure of Institute/ University/ Group of Institutions/ any Autonomous Body ( Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Total Annual Income of Institute/ University/ Group of Institutions/ any Autonomous Body (Incubation Unit/ Research Park etc.) located within same campus (Rupees in Figure)	Balance Sheet, Income & Expenditure (or) Payment & Receipt Account for FY 2018-19 (Only PDF)
KSRM COLLEGE OF ENGINEERING	223128580.00	264757808.00	Document Uploaded in ARIIA DSP
Total (Rupees in Figure)	223128580.00	264757808.00	

**Institute Type : Colleges/Institutes (Private / Self Financed)**

**Total Student Base ( Enrolled Full Time) for all the Academic Programs Offered by Institute/University (Academic Year 2018-19) := 2675**

**Total Faculty Base ( Full Time) Engaged in Teaching and Research at Institute/University (Academic Year 2018-19) := 158**

### Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

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?	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)
Three-day entrepreneurship awareness camp	Entrepreneurship/Startup	Awareness camp	Institute Lead Activity	CENTER FOR RESEARCH AND INNOVATION	04-10-2018 00:00:00	06-10-2018 00:00:00	3	Within Campus	80	10	20	4	114	No	---
Three day entrepreneurship awareness camp	Entrepreneurship/Startup	Awareness camp	Institute Lead Activity	Center for Research and Innovation	21-02-2019 00:00:00	23-02-2019 00:00:00	3	Within Campus	120	10	10	2	142	No	---
Intellectual property rights (IPR) for Students and Faculty Members	IPR	WORKSHOP	Institute Lead Activity	CENTER FOR RESEARCH AND INNOVATION	10-01-2019 00:00:00	10-01-2019 00:00:00	1	Within Campus	50	2	0	0	52	No	---

### Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level

Name of	Program	Program	Organizing	Organizing	Program	Program	Program	Participants	Participants	Total	Awards/Rec	Award /	Title of	Had institute	Total
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**Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, entrepreneurship / Start-ups & Innovation organized by reputed external institutions or agencies at national or international level**

Program (Full Name)	Theme	Type	Agency / Institute Name	Agency Type	Start Date	End Date	Duration(in Days)	(Students)	(Faculty)	Number of Participants	Achievements	Position / Recognition Secured	Innovation / Start-up Secured the Award / Recognition	Spent expenses either from own resource/received fund towards sending delegation to participate/represent the program/activity/event?	Expense Amount Incurred by Institute? (In Rupees)
India first Leadership Talk Episode 1	Innovation	Leadership Talk Episode 1	MHRD	Govt. Agency (Central)	01-01-2019 00:00:00	01-01-2019 00:00:00	1	150	30	180	No	---	---	No	---
India first Leadership Talk Episode 2	IPR	India first Leadership Talk Episode 2	MHRD	Govt. Agency (Central)	10-01-2019 00:00:00	10-01-2019 00:00:00	1	180	25	205	No	---	---	No	---
India first Leadership Talk 3	Innovation	India first Leadership Talk 3	MHRD	Govt. Agency (Central)	24-01-2019 00:00:00	24-01-2019 00:00:00	1	200	40	240	No	---	---	No	---
India first Leadership Talk Episode 4	Innovation	India first Leadership Talk Episode 4	MHRD	Govt. Agency (Central)	24-01-2019 00:00:00	24-01-2019 00:00:00	1	100	20	120	No	---	---	No	---

**Courses on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period 2018-19**

Title of Course/Subject Offered	Program Theme	Type of Course	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Enrolment Number	Total Number of Students Completed	Total Numbers of Contact Hours of Course
Five Day FDP on Machine Learning	Innovation	FDP	Short Term Certificate Course	11-02-2019 00:00:00	15-02-2019 00:00:00	5	Offline	50	42	45
RobCAD and Solid Edge Technologies workshop	Innovation	Short term Certificate	Short Term Certificate Course	01-02-2019 00:00:00	20-02-2019 00:00:00	20	Offline	53	53	60
One day Hackathon on Machine Learning	Innovation	MDP	Short Term Certificate Course	20-02-2019 00:00:00	20-02-2019 00:00:00	1	Online	50	45	40
Solar PV Emulator	Innovation	FDP	Short Term Certificate Course	20-07-2019 00:00:00	27-07-2019 00:00:00	8	Offline	45	45	45
Internet of Things	Innovation	Short term Certificate	Short Term Certificate Course	15-07-2019 00:00:00	18-07-2019 00:00:00	4	Offline	45	45	45
Numerical programming using octave	Innovation	Short term Certificate	Bachelor	29-03-2019 00:00:00	31-03-2019 00:00:00	3	Offline	60	60	45
Scilab Programming	Innovation	Short term Certificate	Bachelor	05-03-2019 00:00:00	12-03-2019 00:00:00	8	Offline	60	60	45

**Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus**

Name of Centre	Type of Facility	Year of Facility Creation	Facility Location / Address	Facility Incharge	Carpet Area of Facility	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
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## Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus

						Pre-Incubation & Incubation Centre/Facilities?			
Center for Research and Innovation	Centre of Excellence with Advance Tools & Equipment	2018	Yerramasupalli, C.K. Dinne, Kadapa, Andhra Pradesh 516003	Facility Incharge Name	Dr. M. Venkatan araryana	5000 Sq. Ft.	Yes		No
				Facility Incharge Email	mvnarayana@ksrmce.ac.in		Annual Capital Expenditure (In Rupees)	1000000	
				Facility Incharge Phone	9440425221		Annual Operational Expenditure (In Rupees)	200000	
Innovation Center	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	2018	Yerramasupalli, C.K. Dinne, Kadapa, Andhra Pradesh 516003	Facility Incharge Name	Dr. D. Arun Kumar	5000 Sq. Ft.	Yes		No
				Facility Incharge Email	dasariak@ksrmce.ac.in		Annual Capital Expenditure (In Rupees)	1000000	
				Facility Incharge Phone	7411890960		Annual Operational Expenditure (In Rupees)	200000	

## Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

Name of Centre	Source of Grant / Fund	Agency Name	Agency Type	Had Received Grants / Funds by Pre-Incubation & Incubation Centre / Facilities exists in Campus?	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Center for Research and Innovation	Institute's Own Fund / Resource	---	---	No	---
Innovation Center	Institute's Own Fund / Resource	---	---	No	---
Center for Research and Innovation	Institute's Own Fund / Resource	---	---	No	---

## Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Idea / POC / Innovation / Prototype Received Funding / Grant from Centre	Name of Centre	Stage of Innovation (TRL Stage)	Innovation Developed by	Year of Innovation / Project Started	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Current Status of Innovation, Stage of TRL it has reached	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 2018-19	Had the Idea/Prototype/Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-Incubation/Incubation or institute during the financial period 2018-19	Had the Incubation Centre/Institute 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 2018-19?
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**Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities**

Solar Photovoltaic Array Simulator Emulator	Center for Research and Innovation	TRL 2 : Technology formulation. Concept and application have been formulated.	Faculty	2019	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 2 : Technology formulation. Concept and application have been formulated.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 40000	No	No										
<p><b>Principal Innovator</b></p> <table border="1"> <thead> <tr> <th data-bbox="300 502 857 547">Name</th> <th data-bbox="864 502 1193 547">Type</th> <th data-bbox="1200 502 1529 547">Gender</th> <th data-bbox="1536 502 1865 547">Email</th> <th data-bbox="1872 502 2206 547">Contact</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 552 857 596">Dr. M. Sreedhar</td> <td data-bbox="864 552 1193 596">Faculty</td> <td data-bbox="1200 552 1529 596">Male</td> <td data-bbox="1536 552 1865 596">sreedhar@ksrmce.ac.in</td> <td data-bbox="1872 552 2206 596">8660256263</td> </tr> </tbody> </table>											Name	Type	Gender	Email	Contact	Dr. M. Sreedhar	Faculty	Male	sreedhar@ksrmce.ac.in	8660256263
Name	Type	Gender	Email	Contact																
Dr. M. Sreedhar	Faculty	Male	sreedhar@ksrmce.ac.in	8660256263																
Hi Fidelity Active Noise Control for two seater using virtual sensing	Center for Research and Innovation	TRL 2 : Technology formulation. Concept and application have been formulated.	Faculty	2018	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 2 : Technology formulation. Concept and application have been formulated.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 40000	No	No										
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Dr. M. V. Narayana	Faculty	Male	mvnarayana@ksrmce.ac.in	9440425221																
Performance Analysis of Solar-Wind Hybrid Power Generation for Domestic Application	Center for Research and Innovation	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Faculty	2019	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 2 : Technology formulation. Concept and application have been formulated.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 40000	No	No										

### Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Principal Innovator									
Name		Type		Gender		Email		Contact	
Dr. T. Mari Prasath		Faculty		Male		mariprasath@ksrmce.ac.in		9786110993	

  

Classification of Remote Sensing Images using Granular Neural Networks	Center for Research and Innovation	TRL 1 : Basic research. Principles postulated and observed but no experimental proof available.	Faculty	2019	Non-IP / Non-Patented Technology	Still Under Development Process	TRL 2 : Technology formulation. Concept and application have been formulated.	Yes Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees) 40000	No	No
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Principal Innovator									
Name		Type		Gender		Email		Contact	
Dr. D. Arun Kumar		Faculty		Male		dasariak@ksrmce.ac.in		7411890960	

### Start-ups have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities

Name of Start-up Received Funding / Grant from Centre	Name of Centre	Year of Registration	Registered as	Start-up with Corporate Identification Number (CIN) Registration	Start-up Founded by	Type of Innovation	Current Status Pre-Incubation/Incubation Support Received	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2018-19	Had Centre/institute provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Start-up during the financial period 2018-19?	Had the Start-up raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubation support at your Pre-incubation/incubation or institute during the financial period 2018-19?	Had the Incubation Centre/institute Received any income/revenue from Start-up for the pre-incubation/incubation support and the services offered by Pre-incubation/incubation or institute during the financial period 2018-19 ?
Solar Photovoltaic Array Simulator Emulator	Center for Research and Innovation	2018-19	Limited Liability Partnership	U74999DL2018P TC330854	Faculty	Non-IP / Non-Patented Technology	Graduated from Incubation Unit/Centre	No	No	No	No

  

Founder											
Name		DIN Number		Type		Gender		Email		Contact	
Dr. M. Sreedhar		U74999DL2018PTC330854		Faculty		Male		sreedhar@ksrmce.ac.in		8660256263	

### Co-Incubation Partnership

Type of Partnership	Partnership Institute Name	Type of Support Offered	No. of Student Projects/ Ideas / Innovation /	Date of MOU / Agreement Signed on
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## Co-Incubation Partnership

			Startups Supported	
Incubation Services/Support Extended to Other Institute	Kandula Obula Reddy Memorial College of Engineering Kadapa	Mentoring	10	02-07-2018
Incubation Services/Support Extended to Other Institute	Kandula Lakshmamma Memorial College of Engineering	Mentoring	10	07-07-2018

## Technology Commercialization / Transfer

Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder		Centre / Department of Origin of Licence	Licence Transferred to		Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
				Patent/Licence Holder name (Institute Co-ownership is Must)	Contact number of license holder		Licence Transferred to	Institute		
COOPERATIVE CROP MANAGEMENT SYSTEM FOR RURAL INDIA AND METHOD THEREOF	IP/Patented Technology	One-time transfer/Licensing	201841048151	Patent/Licence Holder name (Institute Co-ownership is Must)	Kunchala Anil	PATENT OFFICE CHENNAI	Licence Transferred to	Institute	No	---
				Contact number of license holder	7893030501		Name of Industry/Start-up/Agency Received License/Technology	KSRM COLLEGE OF ENGINEERING		
				Email of Licence holder	anilkunchalace@gmail.com		Address of Agency	KSRM College of Engineering Yerramasupali C K Dinne mandal Kadapa A P 516003		
				Gender	Male		Contact Number of Agency	9885230680		
I key Intelligent Key Pattern active through Biometric input	IP/Patented Technology	One-time transfer/Licensing	201821049329	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr M V Ratnamma	INDIAN PATENT OFFICE	Licence Transferred to	Institute	No	---
				Contact number of license holder	8555871782		Name of Industry/Start-up/Agency Received License/Technology	KSRM COLLEGE OF ENGINEERING		
				Email of Licence holder	ratnamma@ksrmce.ac.in		Address of Agency	KSRM College of Engineering Yerramasupali C K Dinne mandal KADAPA AP		
				Gender	Female		Contact Number of Agency	9885230680		
				Email of Agency	principal@ksrmce.ac.in					

## Technology Commercialization / Transfer

I Sign Intelligent Sign device with real date and time	IP/Patented Technology	One-time transfer/Licensing	201821049324	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>DR M V RATNAMMA</td> </tr> <tr> <td>Contact number of license holder</td> <td>8555871782</td> </tr> <tr> <td>Email of Licence holder</td> <td>rathnamma@ksrmce.ac.in</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	DR M V RATNAMMA	Contact number of license holder	8555871782	Email of Licence holder	rathnamma@ksrmce.ac.in	Gender	Male	INDIAN PATENT OFFICE	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Institute</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>KSRM COLLEGE OF ENGINEERING</td> </tr> <tr> <td>Address of Agency</td> <td>KSRM College of Engineering Yerramasupalli C K Dinne mandal Kadapa</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9885230680</td> </tr> <tr> <td>Email of Agency</td> <td>principal@ksrmce.ac.in</td> </tr> </table>	Licence Transferred to	Institute	Name of Industry/Start-up/Agency Received License/Technology	KSRM COLLEGE OF ENGINEERING	Address of Agency	KSRM College of Engineering Yerramasupalli C K Dinne mandal Kadapa	Contact Number of Agency	9885230680	Email of Agency	principal@ksrmce.ac.in	No	---
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Email of Agency	principal@ksrmce.ac.in																									
Continuous flow vermi reactor for fast track urban solid waste management	IP/Patented Technology	One-time transfer/Licensing	201811034642	<table border="1"> <tr> <td>Patent/Licence Holder name (Institute Co-ownership is Must)</td> <td>Dr N Ramanjaneya Reddy</td> </tr> <tr> <td>Contact number of license holder</td> <td>8555079300</td> </tr> <tr> <td>Email of Licence holder</td> <td>ramanji@ksrmce.ac.in</td> </tr> <tr> <td>Gender</td> <td>Male</td> </tr> </table>	Patent/Licence Holder name (Institute Co-ownership is Must)	Dr N Ramanjaneya Reddy	Contact number of license holder	8555079300	Email of Licence holder	ramanji@ksrmce.ac.in	Gender	Male	INDIAN PATENT OFFICE	<table border="1"> <tr> <td>Licence Transferred to</td> <td>Institute</td> </tr> <tr> <td>Name of Industry/Start-up/Agency Received License/Technology</td> <td>KSRM COLLEGE OF ENGINEERING</td> </tr> <tr> <td>Address of Agency</td> <td>KSRM College of Engineering Yerramasupalli C K Dinne mandal KADAPA AP</td> </tr> <tr> <td>Contact Number of Agency</td> <td>9885230680</td> </tr> <tr> <td>Email of Agency</td> <td>principal@ksrmce.ac.in</td> </tr> </table>	Licence Transferred to	Institute	Name of Industry/Start-up/Agency Received License/Technology	KSRM COLLEGE OF ENGINEERING	Address of Agency	KSRM College of Engineering Yerramasupalli C K Dinne mandal KADAPA AP	Contact Number of Agency	9885230680	Email of Agency	principal@ksrmce.ac.in	No	---
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## 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. V S S Murthy (Head of Institute) and Mr. Arun Kumar (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



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Dr. V S S Murthy  
Head of the Institution,  
K S R M College of Engineering,  
KADAPA, Andhra Pradesh

Nodal officer



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Mr. Arun Kumar  
Nodal Officer,  
K S R M College of Engineering,  
KADAPA, Andhra Pradesh