



# 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: R.M.D Engineering College [ARI-C-16527]

### 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)
Entrepreneurship awareness camp	Entrepreneurship/Startup	Awareness camp	Institute Lead Activity	R.M.D Engineering College	03-09-2018 00:00:00	05-09-2018 00:00:00	3	Within Campus	74	5	0	0	79	Yes	20000

### 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 (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 program/activity/event?	Total Expense Amount Incurred by Institute? (In Rupees)
ENANTRA-SOUTH INDIA BIGGEST ENTREPRENEURSHIP FESTIVAL	Entrepreneurship/Startup	ENTREPRENEURSHIP	ANNA UNIVERSITY CHENNAI	Govt. Agency (State)	09-02-2019 00:00:00	09-02-2019 00:00:00	1	2	0	2	No	---	---	No	---
RISC 2018	Entrepreneurship/Startup	START UP	NIRD AND PR	Govt. Agency (Central)	30-08-2018 00:00:00	31-08-2018 00:00:00	2	6	2	8	No	---	---	No	---
4ThMitsubishi Electric Cup(National Level Automation competition)	Innovation	National level automation contest	MITSUBISHI ELECTRIC INDIA	Corporate / Industry Association	15-02-2019 00:00:00	16-02-2019 00:00:00	2	4	1	5	Yes	5th Appreciation award OR Commandable performance	Digital twin of Centrifugal Pump	Yes	30000

**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**

SMART INDIA HACKATHON - 2019 HARDWARE EDITION	Innovation	HACKATHON	AICTE and MHRD	Govt. Agency (Central)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	6	1	7	Yes	WINNER	Proton Battery	Yes	144146
SMART INDIA HACKATHON - 2019 HARDWARE EDITION	Innovation	HACKATHON	AICTE and MHRD	Govt. Agency (Central)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	6	1	7	Yes	FINALIST	household waste incinerator using solar panels	Yes	30681
NIRDPR - RIDE challenge	Innovation	start up conclave	NIRDPR	Govt. Agency (Central)	30-08-2018 00:00:00	31-08-2018 00:00:00	2	4	0	4	Yes	FINALIST	go nano silicon	No	---
IEEE CONFERENCE	Innovation	conference	IEEE	Educational Institute	20-01-2019 00:00:00	21-01-2019 00:00:00	2	4	0	4	No	---	---	Yes	2500
NIRDPR - RIDE challenge	Innovation	start up conclave	NIRDPR	Govt. Agency (Central)	30-08-2018 00:00:00	31-08-2018 00:00:00	2	3	0	3	Yes	FINALIST	Solar and biogas based hybrid power generation	No	---
Technology Exhibition 2019	Innovation	Technology Exhibition	Anna University	Educational Institute	08-02-2019 00:00:00	08-02-2019 00:00:00	1	5	3	8	Yes	FOURTH PLACE	Automated Drone for self defence	No	---
IEEE CONFERENCE	Innovation	conference	SA ENGINEERING COLLEGE	Educational Institute	29-03-2019 00:00:00	30-03-2019 00:00:00	2	3	0	3	Yes	FINALIST	Performance of solar pv array using GWO algorithm	No	---
APOGEE 2019	Innovation	National level Project contest	BITS Pilani	Educational Institute	30-03-2019 00:00:00	31-03-2019 00:00:00	2	6	1	7	Yes	2ND PRIZE	Digital twin of Centrifugal Pump	Yes	8800
APOGEE 2019	Innovation	National level Project contest	BITS, Pilani	Educational Institute	30-03-2019 00:00:00	31-03-2019 00:00:00	2	5	1	6	Yes	FINALIST	AQUACULTURE	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
WF101	Entrepreneurship/Startup	Short term Certificate	Short Term Certificate Course	09-08-2018 00:00:00	07-09-2018 00:00:00	30	Online	50	40	30
WF100	Entrepreneurship/Startup	Short term Certificate	Short Term Certificate Course	17-08-2018 00:00:00	15-09-2018 00:00:00	30	Online	50	48	30

**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 Pre-Incubation & Incubation Centre/Facilities?	Had institute Generated Income either from Services Offered by Pre-Incubation & Incubation Centre/Facilities?
----------------	------------------	---------------------------	-----------------------------	-------------------	-------------------------	---	---

R.M.D. Engineering College	Pre-Incubation Centre	2013	R.M.D. Engineering College	Facility Incharge Name	Dr.P.Ranagarajan	10000 Sq. Ft.	Yes		No
				Facility Incharge Email	pr.eee@rmd.ac.in		Annual Capital Expenditure (In Rupees)	0	
				Facility Incharge Phone	9444253828		Annual Operational Expenditure (In Rupees)	0	

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)
R.M.D. Engineering College	Funding Agency	DST-NSTDTEB	Govt. Agency (Central)	Yes	800000

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?										
Sign Language translator using Machine learning	R.M.D. Engineering College	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 6 : Prototype system tested in intended environment close to expected performance.	<div>Yes</div> <div>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</div> <div>100000</div>	No	No										
<div>Principal Innovator</div> <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Dr.K.Helen Prabha</td> <td>Faculty</td> <td>Female</td> <td>hodece@rmd.ac.in</td> <td>9345036915</td> </tr> </tbody> </table>											Name	Type	Gender	Email	Contact	Dr.K.Helen Prabha	Faculty	Female	hodece@rmd.ac.in	9345036915
Name	Type	Gender	Email	Contact																
Dr.K.Helen Prabha	Faculty	Female	hodece@rmd.ac.in	9345036915																

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/V/C 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?															
	<table border="1"> <thead> <tr> <th colspan="5">Co-Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Mavuluru Viswajith reddy</td> <td>Student</td> <td>Male</td> <td>viswajithreddy1997@gmail.com</td> <td>8754410359</td> </tr> </tbody> </table>										Co-Innovator					Name	Type	Gender	Email	Contact	Mavuluru Viswajith reddy	Student	Male	viswajithreddy1997@gmail.com	8754410359
Co-Innovator																									
Name	Type	Gender	Email	Contact																					
Mavuluru Viswajith reddy	Student	Male	viswajithreddy1997@gmail.com	8754410359																					
INTEGRATION OF CASH TRANSACTION AND GST BILLING MONITORING SYSTEM USING NFC AND BLOCKCHAIN	R.M.D. Engineering College	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 6 : Prototype system tested in intended environment close to expected performance.	<table border="1"> <tr> <td>Yes</td> </tr> <tr> <td>Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)</td> </tr> <tr> <td>100000</td> </tr> </table>	Yes	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)	100000	No	No												
	Yes																								
	Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)																								
100000																									
<table border="1"> <thead> <tr> <th colspan="5">Principal Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>DR.K.BALASUBADRA</td> <td>Faculty</td> <td>Female</td> <td>hodit@rmd.ac.in</td> <td>7550234864</td> </tr> </tbody> </table>										Principal Innovator					Name	Type	Gender	Email	Contact	DR.K.BALASUBADRA	Faculty	Female	hodit@rmd.ac.in	7550234864	
Principal Innovator																									
Name	Type	Gender	Email	Contact																					
DR.K.BALASUBADRA	Faculty	Female	hodit@rmd.ac.in	7550234864																					
<table border="1"> <thead> <tr> <th colspan="5">Co-Innovator</th> </tr> <tr> <th>Name</th> <th>Type</th> <th>Gender</th> <th>Email</th> <th>Contact</th> </tr> </thead> <tbody> <tr> <td>Vishnupriya.S</td> <td>Student</td> <td>Female</td> <td>vinushasridharan1997@gmail.com</td> <td>9952376390</td> </tr> </tbody> </table>										Co-Innovator					Name	Type	Gender	Email	Contact	Vishnupriya.S	Student	Female	vinushasridharan1997@gmail.com	9952376390	
Co-Innovator																									
Name	Type	Gender	Email	Contact																					
Vishnupriya.S	Student	Female	vinushasridharan1997@gmail.com	9952376390																					

**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/Incubati on 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/Inno vations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/incubatio n support at your Pre-incubation/incubatio n or institute during the financial period 2018-19	Had the Incubation Centre/institute received any income/revenue from Idea/Prototype/Inno vations for the pre-incubation/incubatio n support and the services offered by Pre-incubation/incubatio n or insitiute during the financial period 2018-19?
REPTILE SEITUS	R.M.D. Engineering College	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 6 : Prototype system tested in intended environment close to expected performance.	Yes	No	No
								Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees)		
								100000		
								Principal Innovator		
	Name		Type	Gender	Email	Contact				
	DR.P.EZHUMALAI		Faculty	Male	hodcse@rmd.ac.in	9884455173				
	Co-Innovator									
	Name		Type	Gender	Email	Contact				
	S.NARESH KUMAR		Student	Male	nareshkumar561998@gmail.com	8610890412				
	COMPUTER VISION BASED VEHICLE CONTROL USING NEURAL NETWORK	R.M.D. Engineering College	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 6 : Prototype system tested in intended environment close to expected performance.	Yes	No
Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/I nnovations Development by Centre (In Rupees)										
100000										

### 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?									
	<b>Principal Innovator</b>																		
	Name			Type		Gender		Email		Contact									
	DR.P.RANGARAJAN			Faculty		Male		prr.eee@rmd.ac.in		919444253828									
	<b>Co-Innovator</b>																		
	Name			Type		Gender		Email		Contact									
	MEGAVANAN			Student		Male		megavleo@gmail.com		8056269031									
DIGITAL TWIN PUMP	R.M.D. Engineering College	TRL 6 : Prototype system tested in intended environment close to expected performance.	Faculty and Student	2018	Non-IP / Non-Patented Technology	Completed but No Further Action Taken	TRL 6 : Prototype system tested in intended environment close to expected performance.	Yes	No	No									
								Total Seed Grant/Fund Amount Disbursed to above Idea/Prototype/Innovations Development by Centre (In Rupees)											
								100000											
								<b>Principal Innovator</b>											
								Name			Type		Gender		Email		Contact		
								DR.A.CHILAMBU CHELVAN			Faculty		Male		hodeie@rmd.ac.in		9443217864		
<b>Co-Innovator</b>																			
Name			Type		Gender		Email		Contact										
A.KAYELVIZHI			Student		Female		kayelarivalagan24@gmail.com		9791286406										

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

No Data Filled!

Co-Incubation Partnership

No Data Filled!

Technology Commercialization / Transfer

No Data Filled!

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