

Annual Report 2020-21



IIC ID
IC201810067

RATHINAM TECHNICAL CAMPUS

Star Ratings



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About IIC Institute

In the year 2018, the Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions. Primarily, IICs' role is to engage large number of faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in HEIs. The IIC model is designed to address the existing challenges/issues in HEIs such as less numbers, occasional and unplanned Innovation & Entrepreneurship (I&E) activities organised in HEIs with low involvement of top leadership, lack of coherence and absence of synergy in resource mobilization, deployment and underutilization of creative potential of youths as major barrier for vibrant I&E ecosystem to emerge from HEIs.

IIC model is unique and distinct as it integrates the functionalities of flexibility calendar activities, scoring and reward system, decentralizing operation with division of work, progress monitoring and incentive mechanisms in coordinated manner through a robust digital platform. In last two years, undoubtedly, IIC has emerged as a very sustainable and scalable model for promoting innovation within HEIs and the efforts of these IIC Institutes can be seen as impactful contribution towards making country's innovation and start-ups ecosystem more vibrant and dynamic. The recent achievement of India's 48th position in Global Innovation Index (GII) ranking is a reflection of the same.

Brief mention of key functionaries at the IIC Institute

President : Dr.B.Nagaraj

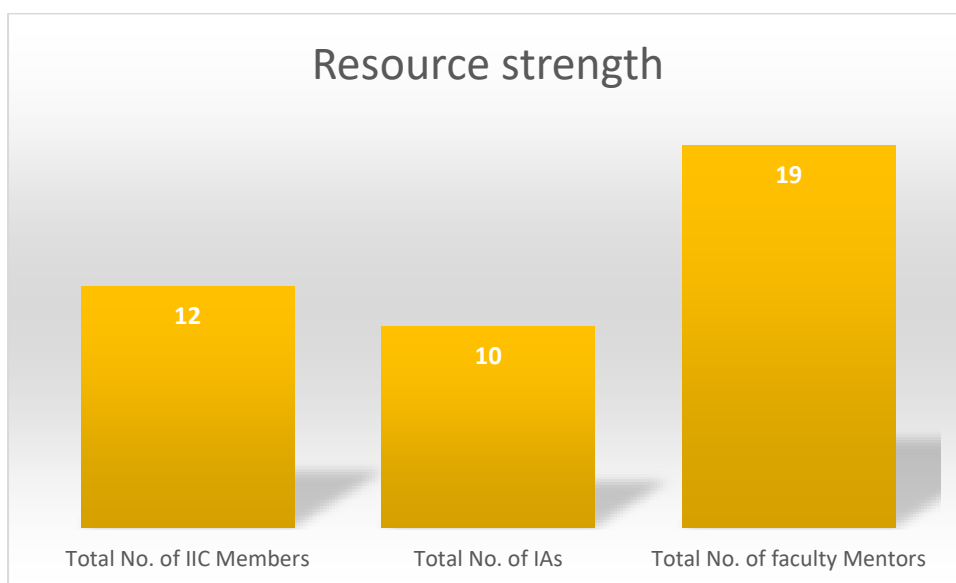
Vice President: Dr.K.Geetha

Convenor: Mr.Athiraja

Name	Department	Designation	Roles
Athiraja	ECE	Assistant Professor	Convener,Member
ATHIPATHY	Civil	Assistant Professor	Start up Activity Coordinator
PRAVEEN KUMAR	CSE	Assistant Professor	Member
Kaleeshwaran	CSE	Assistant Professor	NIRF Coordinator
Prof. K. Geetha	Electronics And Communication Engineering	Head of Department	Vice President
Pradeep Raj M S	Electronics And Communication Engineering	Asst. Prof	Social Media,Innovation Activity
Dr.R.Arunkumar	Electronics And Communication Engineering	Head-Rathinam Innovation & Incubation Center	ARIIA Coordinator
Mr. Ramesh Kumar S	MECH	Asst. Prof	Internship Activity Coordinator
Arun Prasath ECE	ECE	Asst. Prof	IPR Activity Coordinator
SANTHOSHKUMAR	Information Technology	Assistant Professor	Member
M.Vijayakumar	Civil	Assistant Professor	Member
Karl Joseph Samuel	Biotechnology	Assistant Professor	Membe

Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

Total No. of IIC Members	Total No. of IAs	Total No. of faculty Mentors	Pre-Incubation Units	Incubation Units	IP Facilitation Unit
12	10	19	Yes	Yes	Yes



Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Infrastructure of Pre-Incubation & Incubation

S.No	Name of the Facilities
1	AIC RAISE
2	Atal Tinkering Lab
3	Rathinam Innovation and Incubation Centre
4	Rathinam Start-up School

Centre of Excellence (CoE) Facilities

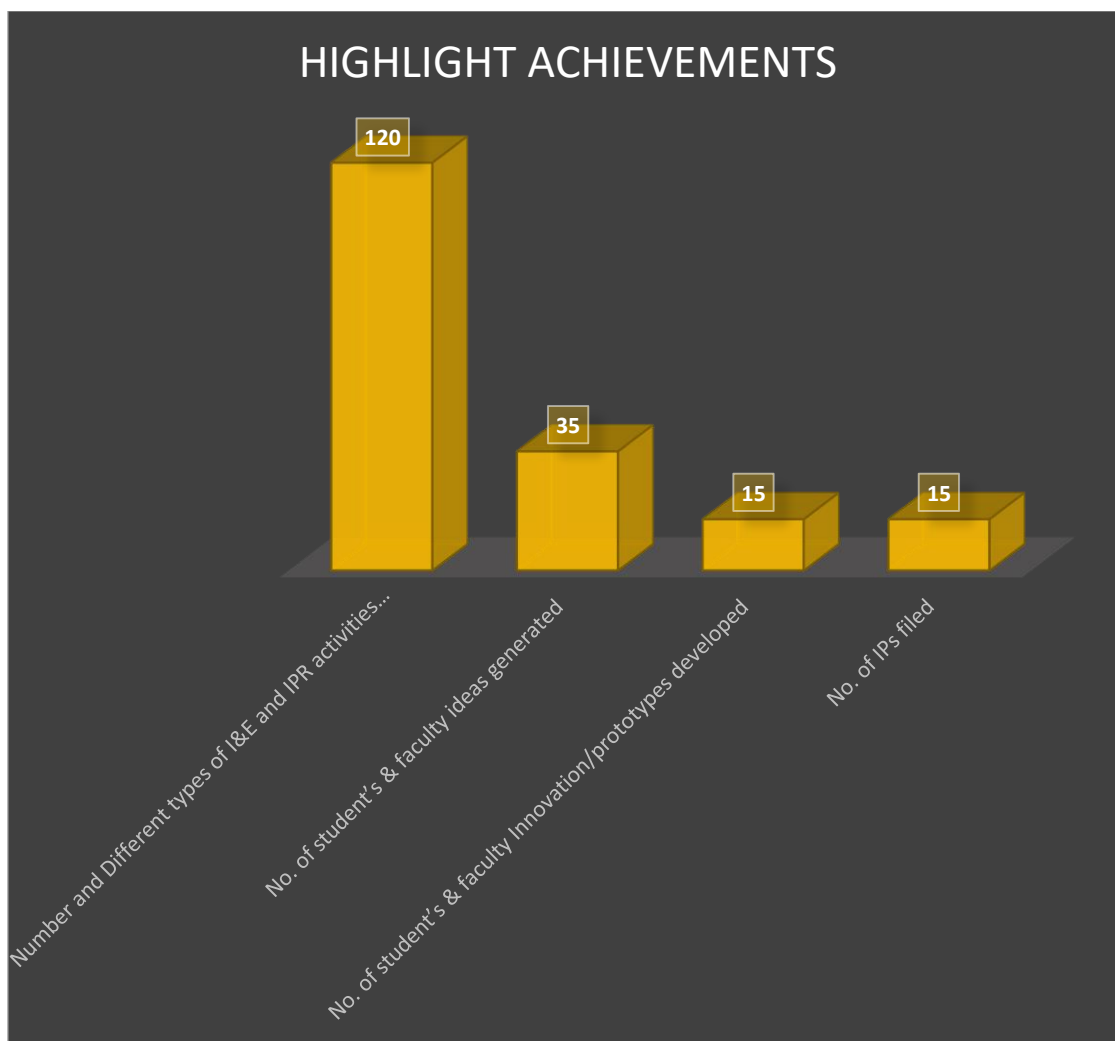
S.no	Name
1	RTC CISCO Academy
2	Red Hat Academy Program
3	Texas Instruments (TI) Innovation Lab
4	Robotics Lab
5	ILENSES Lab
6	Godrej Laboratory
7	FABLAB Coimbatore

Student bodies/clubs

S.no	Name
1	EXODIA
2	BitsNBytes
3	Technofreeks
4	MASTRONS
5	CIVILIAN
6	BME PHANTOMS
7	IPC
8	IIPC
9	Network club(cisco academy)
10	KODI

Highlight Achievements (Narrative/Graphical/tabular representation)

Number and Different types of I&E and IPR activities Conducted	No. of student's & faculty ideas generated	No. of student's & faculty Innovation/prototypes developed	No. of IPs filed	No. of Student & Faculty Start-ups/Ventures established.	Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	No. of Technology Transfer and Commercialisation happened
120	35	15	15	1	120000	260000	3



Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum [Profile of few faculties with 2-3 line of their achievements]

S.no	Faculty Name	Innovation
1	Dr.K Geetha	Unique Plant Mood Sensor
2	Dr. R.Arunkumar	Cost Effective IR based Anti-Piracy Theatre System
3	K S Sathishkumar	Smart Automated Rubber Tree Tapping Machine
4	D Kaleeswaran	Emergency Two Way Inflator Tube for Tyres
5	Thilothina	Heart Valve React of Ai

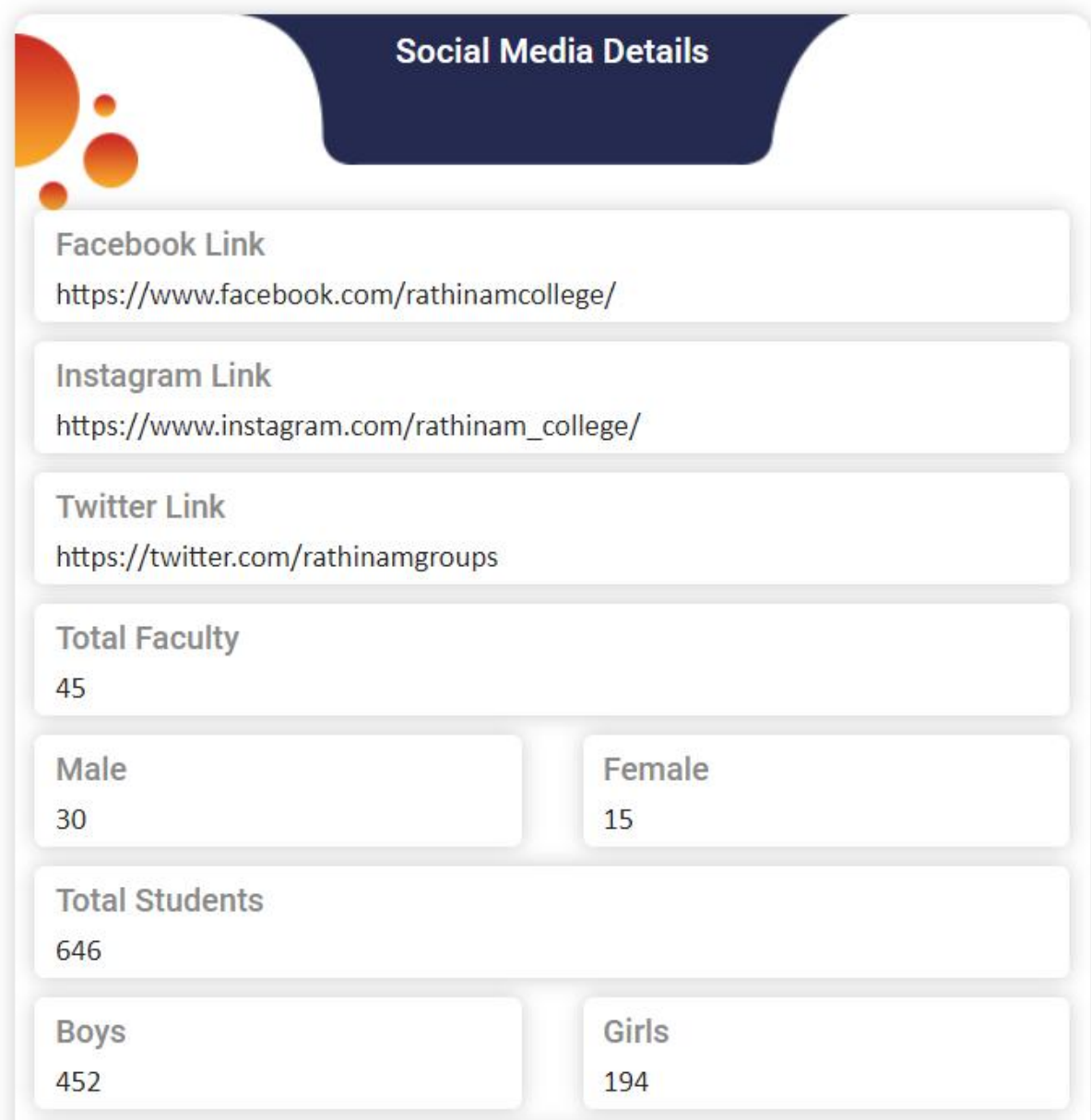
Highlight selected best Innovations & images with mention of inventor/innovation name

S.no	Innovation	Inventors
1	Automized Preheat Electric Chamber	Dr.K Geetha S Arulraj A Athiraj
2	Cost Effective IR based Anti-Piracy Theatre System	M Praveenkumar Dr. R.Arunkumar P Ananthi
3	Smart Automated Rubber Tree Tapping Machine	Suhail Manjilery K S Sathishkumar Dr. R Arunkuma
4	Emergency Two Way Inflator Tube for Tyres	D Kaleeswaran
5	Heart Valve React of Ai	Thilothina
6	Unique Plant Mood Sensor	Dr.K Geetha

**Participation of IIC-institute in various programs of Central and Stage Govt.
Highlighting specially for the schemes or programs**

- ARIIA – participation and Rank – yes ID: ARI-C-45287
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation - Completed
- Smart India Hackathon – 6 projects are applied. One project select for grand finale.

Detail of Social Media & Connections of IIC institute



Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

IIC Members

Name	Email	Contact	Department	Designation	Qualification	Position	Experience in Years
Athiraja	aathiraj.ece@rathinam.in	9500210190	ECE	Assistant Professor	Post Graduate	Convener,Member	6
ATHIPATHY	athipathy.civil@rathinam.in	9489136902	Civil	Assistant Professor	Post Graduate	Start up Activity Coordinator	1
PRAVEEN KUMAR	praveen.it@rathinam.in	9566989694	CSE	Assistant Professor	Post Graduate	Member	8
Kaleeshwaran	kaleeswaran.cse@rathinam.in	9597758978	CSE	Assistant Professor	Post Graduate	NIRF Coordinator	6
Prof. K. Geetha	hod.ece@rathinam.in	9524967656	Electronics And Communication Engineering	Head of Department	Post Graduate	Vice President	30
Pradeep Raj M S	pradeepraj.ece@rathinam.in	9894179824	Electronics And Communication Engineering	Asst. Prof	Post Graduate	Social Media,Innovation Activity	3
Dr.R.Arunkumar	rarunkumar@rathinam.in	9952828911	Electronics And Communication Engineering	Head-Rathinam Innovation & Incubation Center	Doctorate	ARIIA Coordinator	6
Mr. Ramesh Kumar S	rameshkumar.mech@rathinam.in	9791863423	MECH	Asst. Prof	Post Graduate	Internship Activity Coordinator	5
Arun Prasath ECE	arunprasath.ece@rathinam.in	9965651655	ECE	Asst. Prof	Post Graduate	IPR Activity Coordinator	6
SANTHOSHKUMAR S P	santhosh.cse@rathinam.in	9994525372	Information Technology	Assistant Professor	Post Graduate	Member	13
M.Vijayakumar	vijayakumar.civil@rathinam.in	8526073212	Civil	Assistant Professor	Post Graduate	Member	4

External Members

Name	Email	Contact	Organization	Role	Member	Experience	Qualification
Sundar	sundar@rathinam.in	9489057997	Rathinam Technial Campus (Rtd.L&T)	Members	Expert from nearby Industry/Industry association/ Ecosystem Enablers	37	Post Graduate
K. Rajagopal	it.rajagopal@gmail.com	9845285610	Industrial Automation	Members	Start up/ Alumni Entrepreneur	36	Post Graduate
ARUNKUMAR G	garun.eee@gmail.com	9994985205	Atal Incubation Centre – RAISE	Vice President	Incubation Centre	13	Doctorate
Baldev Krish	baldevkrish@gmail.com	6364633121	A2B2 IT Services Pvt Ltd	Members	Start up/ Alumni Entrepreneur	19	Graduate
Dinesh Manickam	mdineshgm@gmail.com	9578195461	AIC RAISE	Members	Incubation Centre	4	Graduate
RAMESH VS	skt@stepsmail.com	8546245418	STEPS Knowledge Services Pvt Ltd	Members	Expert from nearby Industry/Industry association/ Ecosystem Enablers	13	Post Graduate
Naveen Krishnamurthy	naveenkrishnamurthy@gmail.com	8914876818	Acodeidea	Members	Start up/ Alumni Entrepreneur	10	Post Graduate

Contact:

Dr.K.Geetha

Vice-President- IIC

Rathinam Technical Campus

Coimbatore

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