



RajaRajeswari Institution Innovation & Incubation Cell (RRIIC)

Annual Report of activities of RRIIC for the Academic year 2018 – 2019

Summary of the Activities conducted during the academic year 2018 – 2019

Sl.No	Date(s)	Name of the Activity	Number of Participants
1	10.8.2018	Motivation Session on “Entrepreneurship as Career”	74
2	3.8.2018 & 4.8.2018	WeCon 2018 - Women Entrepreneurship Conclave 3 rd & 4 th September 2018	03
3	6.9.2018	Technology Awareness Session Innovative Futuristic Applications of Artificial Intelligence for social change	55
4	30.10.2018	Story of Successful Entrepreneur – by Mr.Anil Nair, Founder & CEO -Anil NayarClasses.com, Hyderabad	255
5	13.2.2019	Inauguration and installation of RajaRajeswari Innovation and Incubation Cell	272
6	13.2.2019	Leadership Talk on “How to Innovate and Start a Start Up” for CSE, ECE, EEE and ISE Students	272
	14.2.2019	Leadership Talk on “How to Innovate and Start a Start Up” for CSE, ECE, EEE and ISE Students	182
7	13.3.2019 to 15.3.2019	Three Day Workshop on “Innovation and Start up” on 13 th – 15 th March 2019	52
8	23.4.2019 to 26.4.2019	Three Day Workshop on Design Thinking and Six Hat Thinking Techniques	55
9	26.4.2019	Technology Awareness Programme on "Thrust Areas for Mobile Application Development and Innovations and Improvement"	52
10	21.5.2019	Project / Prototype Exhibition May 2019	55

Reports of the Activities conducted during the Academic year 2018 – 2019

1. Motivation session on “Entrepreneurship as Career”

Date : 10.8.2018 Friday

Timing: 10.30 A.M to 12.30 A.M

Venue: Von Neuman Seminar Hall, Second Floor

Resource Person:

Dr.G.Pavan, M.B.A., Ph.D,

Professor and Head – Management Studies,

ED Cell Co-ordinator, RRCE, Bangalore.



Activity Report: Students and faculty members are given orientation on Entrepreneurship as career and how to start their own start up venture. They brainstormed on Creative thinking, Practical Entrepreneurial skills and given details on successful National and Local Entrepreneurs. Student & faculty members are motivated to choose Entrepreneurship as career choice.

Number of Students Attended the Session: 62

Number of Faculty members attended: 12

Total : 74 participants

Poster

Raja Rajeswari College of Engineering
Mysore Road, Bangalore – 560078
RajaRajeswari Innovation Club

Motivational Session

on

Entrepreneurship as Career

Date : 10.8.2018 (Tuesday) Time 10.00 A.M. – 12.30 P.M.

Venue : Von Neuman Seminar Hall, 2nd Floor

Resource Person :

Dr.Pavan G, M.B.A., Ph.D

Associate Prof. & HoD & RRCE - ED Cell Coordinator,

Department of Management Studies,

RajaRajeswari College of Engineering,

Bangalore.



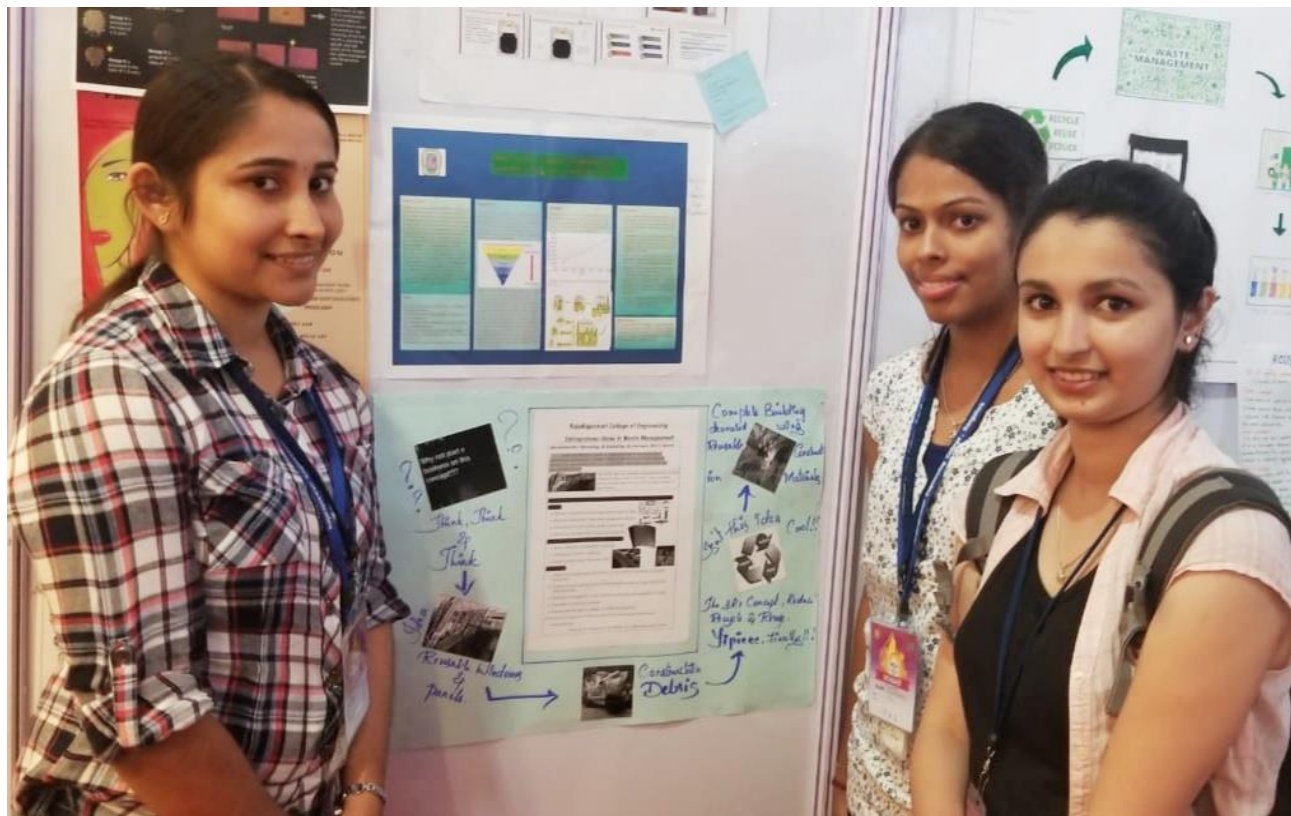
Participants attending the session on “Entrepreneurship as Career”

2. Participation of Students in WeCon 2018 - Women Entrepreneurship Conclave 3rd & 4th September 2018

Three students of ISE Department have participated in WeCon 2018 - Women Entrepreneurship Conclave 3rd & 4th September 2018 organized by AICTE and International Institute of Waste Management (IIWM), Bangalore.

Sl.No	Name of the Students	Year of Study	Dept.
1	Shraddha Shankar Bhat	III year	ISE
2	Anjali K.R.	III year	ISE
3	Ms.Charishma M N	III year	ISE

Photographs of the Event



3. Technology Awareness Session on “Innovative Futuristic Applications of Artificial Intelligence for Social Change

Resource Person : Dr. Anitha Jeyabalan,
Professor, Dept. of CSE,
Dayanand Sagar Academic of Technical & Management,
Bengaluru.

Date & Time : 6th September 2018 (10.45AM to 1.45AM)

Venue : Von Neuman Seminar Hall, 2nd Floor, RRCE

Target Participants : III year and IV year ISE Students

Number of Students Attended: 55 students

OUTCOME OF THE PROGRAM:

- ❖ Introduction to Artificial Intelligence
- ❖ Artificial Intelligence Implementations in the Past
- ❖ Applications of AI in the near future

- ❖ Advantages in usage of Robots as Servants
- ❖ Threats in Automation (Job loss)
- ❖ Innovative Application areas of Artificial Intelligence for solving societal problems

Sample Photographs



4. Story of Successful Entrepreneur by Mr.Anil Nair, Founder & CEO -Anil NayarClasses.com, Hyderabad

Date : 30.10.2018 & Time: 11.00 A.M. – 1.00 P.M.

Resource Person : Mr.Anil Nair,
Founder and CEO,
AnilNairClasses.com, Hyderabad.
(Former Academic Head - Career Launcher, Bangalore)

Venue : Dr.APJ Abdul Kalam Seminar Hall, 2nd Floor, RRCE

Target Audience : II, III and final year ISE & CSE Students

Number of Participants: 255

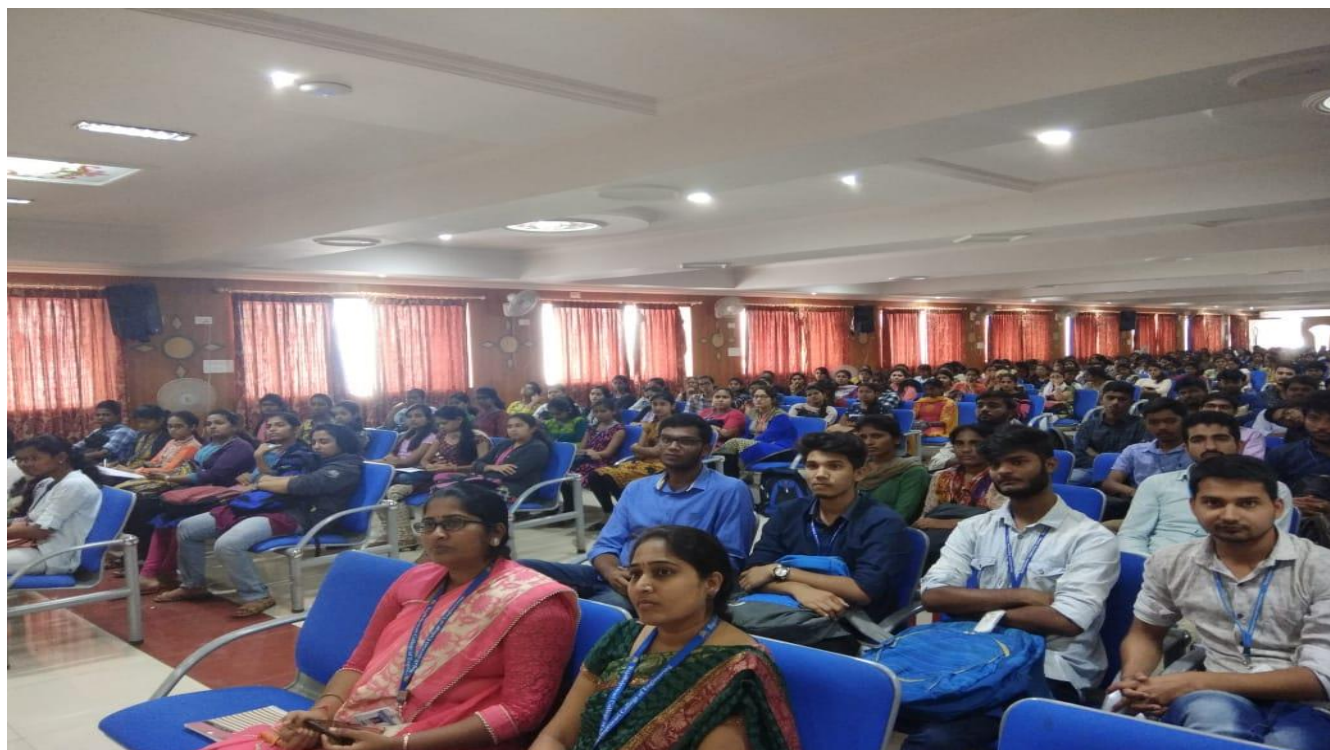
Outcome of the Program:

A story telling session by Mr.AnilNair, Founder and CEO of AnilNairClasses.com, Hyderabad is organized on 30.10.2018. He delivered an i**Inspirational talk on how he has become an Entrepreneur, What are the challenges he has faced, how he has faced the failure and bounceback from failure. Mr.Nair** narrated few of the promising areas in which Engineering graduates can try to become an Entrepreneur in the coming years. Student & faculty members are given orientation on how to establish a start up venture, best practices to be followed in the start up companies, how to mobilize



the seed fund and angel investment and narrated on team building which in turn build the enterprise.

Sample Photographs



Sample Photographs

5. Inauguration & Installation of RR Innovation and Incubation Cell (RRIIC)

Setting up RR Innovation and Incubation Cell on 13th Feb 2019 and 14th Feb 2019 : RajaRajeswari College of Engineering Innovation and Incubation Cell (RR IIC) was inaugurated on 13th February 2019 (Wednesday). Dr.R.Balakrishna, Principal delivered the presidential address.

Establishment of RajaRajeswari Institution Innovation Council (RRIIC) on 13th Feb 2019 and 14th

Feb 2019 : RajaRajeswari College of Engineering Innovation and Incubation Cell (RR IIC) was inaugurated on 13th February 2019 (Wednesday). Dr.R.Balakrishna, Principal delivered the presidential address.

Dr.G.Vinoth, B.E.M.S., Ph.D, CEO & Innovation Management Consultant, Pongu Ventures Private Ltd, (Start Up Business Incubation Firm) has addressed the Second Year and Third year students in the Dr.A.P.J. Abdul Kalam Conference Room.



Photos of the Story telling Session by Mr. Anil Nair, Founder & CEO ANC.com Hyderabad

6. Leadership Talk on “How to Innovate and Start a Start Up” :

Date: 13.2.2019 & 14.2.2019

Leadership Talk on “How to Innovate and Start a Start Up” was organized on 13th February 2019 Wednesday.

A total of 272 students of CSE, ISE and ECE department were sensitized and the same session “Leadership Talk on “How to Innovate and Start a Start Up” was repeated for the Second year and Third year Mechanical and Civil Engineering students (182 students) on 14th February 2019 (Thursday).

Pongu Ventures Team has conducted the creativity Test for the Student Innovators and Student Entrepreneurs. 74 students were registered them as members of the RR Innovation and Incubation Cell and the student members registered are grouped to form the Teams and Sensitized on Problem Discovery and Design Thinking. Students were guided to carry out the case study to discover a societal problem and trained to come up with the Design solution for the problem identified. Dr.J.Amutharaj, Professor and HoD, ISE Dept. and Chief Co-ordinator of RRIIC and Dr.K.Aravinthan, Associate Professor, Civil Engineering department have co-ordinated the two days programme.



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7. Three Day Workshop on “Innovation and Start up” on 13th – 15th March 2019

Date of the Event: 13th – 15th March 2019

Timing : 9.30 A.M. – 4.00 P.M.

Resource Person :

Dr.G.Vinoth, M.S. Ph. D (USA)

CEO and Start up Designer,

Pongu Ventures, Cennai.

Target Participants: II, III year U.G and PG Students and Faculty members

Number of Participants attended: 52

Topics covered:

Innovation and Creativity

Innovation in Product or Service

Identification of problem and solution methodology

Customer Desirability and Satisfaction

Building Minimal Viable Product

Business Plan and Scaling up

Start up Registration - Introduction



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Poster:

**RajaRajeswari
College of Engineering**

**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

Three Day Workshop on Innovation & Start up

Organized by
RajaRajeswari College of Engineering

**Date : 13th March 2019 to
15th March 2019**

Time : 9.30 A.M. - 4.00 P.M

Venue:
4th Floor, Seminar Hall,
RajaRajeswari College of Engineering
Ramohalli Cross, Kumbalgodu,
Mysore Road, Bangalore - 74.

**DR.VINOTH, MS, PHD., (USA)**
Startup Designer,
Pongu Ventures (Startup Pre-Incubation Company)

POWERED BY  **pongu
ventures**



Workshop participation by student members



Team formation and discussion in the Innovation & Entrepreneur Workshop

8. Technology Awareness Programme on "Thrust Areas for Mobile Application Development and Innovations and Improvement"

Date : 26th April 2019

Timing: 10.30 A.M. – 12.30 P.M.

Resource Person:

Dr.G.Vinoth, M.S. Ph. D (USA)

CEO and Start up Designer,

Pongu Ventures, Cennai.

Target Participants: II, III year U.G and PG Students and Faculty members

Number of Participants attended: 52

Report of the Activity:

An Awareness Programme on "Thrust Areas for Mobile Application Development and Innovations and Improvement" was conducted on **26th April 2019 (Friday)** for the Second year and Third year CSE and ISE students. Dr.Vinoth Gunasakeran, CEO presented about the thrust areas in which students can develop mobile app to provide efficient and better service to the needs of the society. He explained how a student entrepreneur and innovator can innovate a new app for



the betterment of the society and convert it as business incubation. Dr.Amutharaj Joyson delivered the vote of thanks.

Participants of Technology Awareness Programme



9. Three Day Worskop on Design Thinking and Six Hat Thinking Techniques

Date of the Event: 23rd April – 25th April 2019

Timing : 9.30 A.M. – 4.00 P.M.

Resource Persons:

Dr.G.Vinoth, M.S. Ph. D (USA) & Team

CEO and Start up Designer,

Pongu Ventures, Cennai.

Target Participants: II, III year U.G and PG Students and Faculty members

Number of Participants attended: 55

Report of the Design Thinking Worshop conducted: Pongu Ventures team taught one of brain storming techniques for selecting the best idea for each team. RR IIC teams were introduced to **Six Hat Thinking technique** by which students learnt to use this tool for group discussion and individual thinking involving the usage of six coloured hats as this technique provides a way for a group to come together to discuss and plan their thinking process. Through this technique students also learnt about criticizing their

own idea, which is very important for any new startup business creation. The students donned six different coloured hats namely blue, white, red, black, yellow and blue, and demonstrated this technique. The brain storming was carried out by Gig Jobs team headed by **Tahir** (2nd year CSE Student). Yuvraj donning Blue Hat is managing the other five in the discussion. Tahir an aspiring entrepreneur donning Green Hat is the Creative person thinking outside the box. Shraddha, cofounder in **Tahir's team**, donning the yellow hat spoke about the positivity in Gig economy.



Six Hat Thinking Techniques - Workshop Participants



Group Discussion of Team members by applying Six Hat Thinking Techniques



Yuvaraj recruiting team members for his new **Artificial Intelligence (AI) based Social App**. One of the students shows her willingness to work for Yuvaraj project as she is in the process of learning Python Programming. She is also interested to learn Machine Learning and Deep learning for this project.



Safiya discussed about her interest in **Food Donation app** and her willingness to do social Entrepreneurship.



Ankit and Monica from TECO Team working on Waste Management project discussed about their App in detail and they derived their business process to fall under **waste recycling**. This team TECO is currently exploring their startup in recycling space related to organic waste.

1. Recycle - A process for converting waste materials into new materials and objects
2. Reuse - Action of using the object either for the original purpose or for something else
3. Recondition - Action of repairing any object

Pongu Ventures with RRCE EEE dept Students and Faculty members:

Innovators and aspiring Entrepreneurs of 2nd year EEE Department after a seminar on "How to Innovate" on 26th April 2019

Three boy Students and one girl student from EEE signed up as Entrepreneurs for Pongu Ventures Pre-Incubation Program and the rest below showed their willingness to work as Innovators. Each one discussed about a new Idea and from next class they will be part of our campus RR Innovation and Incubation cell.



The following Teams were formed and started working on solving societal problems as on date 26th April 2019.

Sl.No	Name of the Team	Team Leader	Product / Model/ Software to be developed
1	Teco	Mr.Ankit Kumar Ms.Monika Singh & Team	Waste Management / Organic Decomposer
2	Unique Path	Mr.Yuvraj & Team, ECE	Hybrid Solar Lighting for Industries and Houses
3	Agribot	Mr.Manoj & Team, ECE	Agriculture Robot design and App
4	Pass X	Mr.Santhosh & Team, ECE	Development of BMTC & BMRCL App
5	Incubatia	Mr.Musab & Team	Online Career Guidance & Tutoring
6	Skill Edge	Mr.Tahir & Team	Skill Up gradation App for Unskilled Labourers



10. Project / Prototype Exhibition May 2019

- Title of the Event** : **“Project / Prototype Exhibition 2K19”**
- Chief Guest** : **Mr. Francis Sujai, M.Tech (IIT Delhi)**
Director, UI Centre of Excellence,
HCL Technologies Pvt Ltd,
Electronic City, Bangalore
- Date and Time** : **21st May 2019 (9.00AM to 3.00PM)**
- Venue** : **Von Neumann Seminar Hall, 2nd Floor, RRCE**
- Target Participants** : **Third & Final year Engineering Students**
- Number of Students participated** : **19 Team (55 Students)**

OUTCOME OF THE PROGRAM:

The Inauguration started on 21st May 2019 in the Von Neumann Seminar Hall, 2nd Floor with a prayer song and lighting of the lamp.

Chief Guest : **Mr. Francis Sujai**, Director, UI Centre of Excellence, HCL Technologies Private Ltd, Electronic city, Bangalore.

Guest of Honors: Dr. T R.Gopalakrishnan Nair, Rector, RRGI, Dr.K.Ramar, Dean, RRCE, Dr.R.Balakrishna, Principle, RRCE, Dr. J. Amutharaj, HOD of ISE department.

The final year students showed their enthusiasm to display their academic projects to the audience. The program created a high degree of excitement to the faculty and students of the Department and motivates them to carry out innovative projects which may be useful to the society. This event was a great success.

Feedback from Final Year Students:

The students were demonstrated their work in the form of presentation later they demonstrated the work done in hardware and software in front of Experts.

Feedback from the Faculty Members:

All the students were presented their project work and the working model in front of the faculty members. Students were appreciated by the faculty members. Prizes and medals were distributed to the students.



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Inauguration of Project / Prototype Exhibition 2019



Project Display and Evaluation by Experts

Start up Registration supported by RajaRajeswari Innovation & Incubation Cell



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Start up Registration supported by RajaRajeswari Innovation & Incubation Cell

Start ups in RRCE during July 2018 – June 2019

Sl.No	Name of the Start up	Founder and CEO	Branch & Year of Passing	Type of Operation
1	Spartans Hub	Mr. Gaurav Kumar	CSE 2019 Alumni	Web development, Mobile App Development, Online Tutoring
2	Scinartis IT Solution	Mr. Syed Nabeeq	CSE 2018 Alumni	IT Services, Product Development and Web development
3	Work Benches	Mr. Sunil Kumar T S	CSE Alumni 2012	IT Services, Product Development and Web development
4	Technospacio	Mr. Siddana Gowda Patil	CSE Alumni 2012	IT Services, Product Development and Security Services

Dr. C Ramesh
Convenor – RRIIC
Prof. & HoD – ME
RRCE
Bangalore

Dr. J Amutharaj
President - RRIIC
Prof. & HoD – ISE
RRCE
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