

This report contains brief Summary of all the activities happened in CISCO-RVCE Centre of excellence for IOT at RVCE in the year 2017.

1. Certificate course on Intelligent Analytics

The Department of Information Science and Engineering and Masters of Computer Applications conducted Certification Course on **Intelligent Analytics** from 14th June and 5th July 2017 in the campus under the RVCE CISCO IoT CoE activity. The Details of Event are as follows.

Sl.No	Description	Details
1	Course Dates	14 th June – 5 th July 2017
2	Duration	90 Hrs.
3	Timing	9 am to 5pm week days
4	Reg. Participants	13
5	Reg. fee	Rs. 5000/- + tax





2. CISCO-RVCE Mini Project interaction secession

Mr. Ravi Kandaswamy Senior Manager, Global Innovation, Cisco Bangalore Area, India visited RVCE on 17th August 2017 at 11 am. He gave a brief idea about IoT and discussed different projects. 92 interested students of VII semester ECE, CSE, and EIE participated. Following projects were sponsored by CISCO-RVCE IoT Centre of Excellence.

Sl. No	Name	Project Title
1	M R Deepthi	Design and Development of an Intelligent based Prototype for Efficient Routing of Ambulance in Indian Traffic Conditions
	Tanish M Phutane	
	Nityanand Singh	
	Niveditha M	
2	Ruchika Shiva S	Development of Intelligent Information System for real time vehicle tracking
	Kaushik Prasad S	
	Nikhita D	
	Supritha J	
3	Meghna S	Smart Health Care System Using IOT
	K P Rohini	
	Swathi A	
4	Asma	IoT based traffic and waste management in smart cities
	Aswini S	
	Divya PR	
	Priyaka KG	
5	Vijay Kumar V H	IoT Based smart Pantry Management System for Kitchen
	Sunil Kumar D M	
6	Manu M Pillai	Aerial Plant Health Monitoring Using NDVI
	Soumya D	
	Gaurav J	
7	Srushti K	Development of a system for estimation of NPK in soil
	Mahadevi	
	Mahesh N	
	Shivaputhra H.S	
8	Akhila S Koushik	Smart Water meter using IoT
	Babu	
	Deepa K.B	
	Naveena M	

9	Dyaniyal	Drainage overflow detection
	K A Lingappa	
	Rohan R Rajore	
	Manoj Raibagi	
10	Achintya Megni	Automation of Wheel Chair based on face detection and movements of the eye using Image Processing Techniques
	Akhil S	
	Bhanu Kiran Atturu	
	Gajulapalli L Harika Reddy	Intelligent Shopping cart using RFIDnand Zigbee Module
11	Radhika S Kalagudi	
	J P Harshitha	
	Priyanka Chowdary B S	
	Palak Hora	

3. FDP on “Advances in Computing Tools & Technology”

The Department of Information Science and Engineering two day workshop on **Advances in Computing Tools & Technology(ACCT)** on 11th and 12th August 2017 in the campus under the RVCE CISCO IoT CoE activity. The Details of Event are as follows.

Mr. Ashraful Hasan Managing Director, Karnataka Vocational Training & Skill Development Corporation Ltd., Government of Karnataka, Bangalore, addressed the gathering



Mr. Syam Madanapalli Director-IoT, NTT Data delivered the Keynote Address on Roof Computing: New Standard for IoT.



The main topics covered in FDP are as follows

- Real Time Sensor Data for Machine Learning MATLAB
- Statics and Machine Learning Using MATLAB
- Neural Network Using MATLAB
- Design and Simulate Fuzzy Logic Systems Using MATLAB
- Use of IoT in MATLAB



4. Cloud and IoT Hack – Hackaton.

The Department of Computer Science and Engineering conducted a 24hrs Hackathon on 8th and 9th Sept 2017 in the campus under the RVCE CISCO IoT CoE activity. The program was conducted with IEEE Computer Society as the resource partner. The event had overwhelming response from various colleges in Karnataka with idea submission of around 480 during the 3rd week of August 2017. The event had 3 pre-qualifier rounds and finally 90 participants or 30 teams qualified for the live Hackathon. The Details of Hackathon are as follows.



Details of Participants for the Hackathon

Sl.No	Description	Details	
1	Date of Hackaton	8 th & 9 th Sept	
2	No of participants	84	
3	No of finalized Colleges	7	
Colleges/University		No. of Teams	Number of students
1	PES University	7	20
2	Nitte Meenakshi	3	9
3	PESIT	2	6



4	DSCE	2	5
5	BMSCE	2	6
6	Vellore IT	1	3
7	RVCE	12	35

Details of Judges for the Hackathon

Sl. No.	Judges	Company
1.	Bindu	Microsoft (Technical Envagelist)
2	Anurag	Uber (UX Expert)
3	Jeffrey	IBM (IoT expert)
4	Subhendu Panigrah	Skillenza, Startup Expert
5	Vivek Pradhan	Cloud Application Expert
6	Arul Govindarajan	CISCO

The Winners of Hackathon are as follows

Sl. No.	Team Name	Winners Name	College
1.	Cloudy with chance of IOT	A.S.Karathik Abhishek Krishna Aditya Gridharan	RVCE
2	HACK for GOOD	Sameer Raju Dhole Satvik Kumar Mohan SP	PESU
3	Problem Solver	Vikas Varun A Varun Kaushik	RVCE



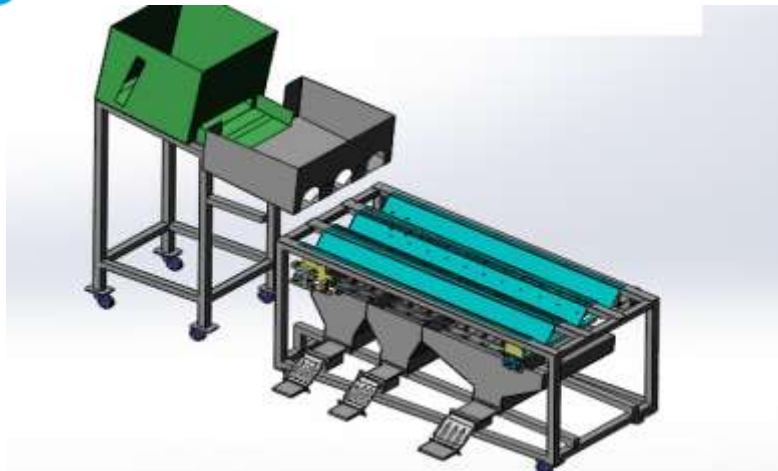
5. CISCO-RVCE Infrastructures at RVCE

The infrastructure has been developed at RVCE Incubation Center to carry out the research projects by students as well as faculties. Some Photographs of Centre are below



6. Achievements

- Module on Intelligent Analytics – I Batch completed. 1 student placed.
- Two day workshop conducted by ISE department on 11th & 12th Aug 2017
- Design and development of an IOT based portable grader with counting mechanism for fish seeds has been taken forward for patenting



7. Activities in Pipeline

This are the some planned activities, but not limited to, for the next year under CISCO-RVCE IOT Center.

- IoT Application Development Course.
- Intelligent Analytics Program.
- IoT Application Development
- Embedded System for IoT
- Intelligent Transport System for a Safer, Smarter and Sustainable Transportation (**Ideathon**).
- Hackathon
- Faculty Development Programs and Workshop on IOT.