

This report contains brief Summary of all the activities happened in CISCO-RVCE Centre of Excellence for IOT at RVCE in the year 2018.

1. IoT Application Development Course

The Centre of Excellence for IOT conducted one week Hands on training program on IoT Application Development from 16th and 20th Jan 2018 in the campus under the RVCE CISCO IoT CoE activity. The training program was aimed to provide opportunities for the participants to enrich their knowledge and skill in fundamental IoT Paradigms, hardware, software oriented solutions for various domains using IoT. The Details of Event are as follows

Number of Participants		
Students	-	17
Faculty	-	12
Corporate	-	06
Total	-	35



The same program was conducted at **Shaikh College Of Engineering. & Technology, Belagavi** From 05th to 9th February 2018, where 25 students and 5 Staffs were trained.



*Photographs taken at **Shaikh College Of Engineering. & Technology, Belagavi***

2. Certificate course on Intelligent Analytics

The Department of Information Science and Engineering and Masters of Computer Applications conducted Certification Course on **Intelligent Analytics** in the campus under the RVCE CISCO IoT CoE activity. The objective of the program was to bring out the data analytics in IoT, and understanding the need for data collection, planning and processing in IoT. The Details of Event are as follows.



3. IoT Application Development

The Centre of Excellence for IOT conducted Hands on training program on IoT Application Development on 17th, 18th, 23rd, 24th & 25th February 2018 in the campus under the RVCE CISCO IoT CoE activity. The training program was aimed to provide opportunities for the participants to enrich their knowledge and skill in fundamental IoT Paradigms, hardware, software oriented solutions for various domains using IoT. The Details of Event are as follows.

Number of Participants

Students	-	22
Faculty	-	02
Total	-	24



4. Embedded System for IoT

The Department of Electrical and Electronics Engineering and Electronics and Communication engineering jointly conducted one week Certification Course on **Embedded System for IoT** in the campus under the RVCE CISCO IoT CoE activity from 19th to 24th Feb 2018. The objective of the program was to understand the role of embedded systems in IoT, Evaluate the design needs of an embedded system in terms of hardware and software, implement and test embedded systems for IoT Applications. 27 students participated in the event and topics Covered in the program are Characterization of sensors, Signal conditioning, My DAC application for signal analysis. ARMCORTEX programming for IoT Raspberry Pi for IoT.



5. Global Women in Data Science (WiDS) Conference

Conducted by ISE Department on 16th March, 2018. Speaker Deepa.P Sr. Manager of CISCO deliver a session on **“Data Sciences and also enlighten participants about roles and opportunities for women scientists in current situation”**.

6. IIoT Training

This Program was conducted by Bosch Rexroth Lab, Mechanical Dept., RVCE, which included two phases of training

- Phase-I Training on 27th & 28th February
- Phase-II Training on March 8-9, 2018

Topics Covered in the program were PLC interfacing with Hydraulics & Pneumatics; SCADA Software (Winstudio) communication with PLC.

7. Intelligent Transport System for a Safer, Smarter and Sustainable Transportation.

The Centre of Excellence for IOT conducted National level Ideathon on Intelligent Transport System for a Safer, Smarter and Sustainable Transportation in the campus under the RVCE CISCO IoT CoE activity during 9th -10th Feb 2018. The event was interdisciplinary and provided the opportunity to exchange and share the ideas for developing sustainable transportation solutions. The Details of Event are as follows.

140 teams with 430 students participated from Karnataka, Telangana, Andhra Pradesh, Tamil Nadu, Kerala, Goa, Maharashtra and Rajasthan. 40 teams with 102 students were short listed. Four parallel sessions were held simultaneously at different venues.

The expert panel comprised of Mr. Darvin, Mr. Sandeep, Mr. Nirup G and Mr. Karan Atree from CISCO. The panel also include Prof. N S Narahari, Prof. G Shobha, Prof. G Sadashivappa and Prof. N K Cauvery from RVCE, Bengaluru.

Top ten teams comprising of thirty two students were selected for the Final round held on 10th February 2018. The expert panel comprised of Mr. Darvin P from CISCO, Mr. Abrar Basith, Co-founder of Inditip LLP and Dr. M. Krishna, Dean R&D, RVCE.

Position	Team Members	Institution	Prize Money(Rs)
I	Shreyanshu Kumar Anubhawi Md. Irfan Siddiqui Prashant Raj Nikhil Agarwal	Dayanand Sagar College of Engg, Bengaluru	20,000/-
II	Shrikanth Showri Rajan Santhosh Hosale Manju Gangadhar	R.V.College of Engineering, Bengaluru	10,000/-
III	B.N.Deekshit Anirudh Lanka Aditya Thonse	R.V.College of Engineering, Bengaluru	5,000/-

8. IOT Application Development orientation program, National College, Jaynagar.

Orientation program on Internet of Things Application Development under CISCO-RVCE Center of Excellence for Internet Of Things activity was conducted at B.V.Jagadeesh Science Centre, organized by Department of Computer Science, National College, Jayanagar, Bengaluru on 16/10/2018. Targeted audience were undergraduate students of final year BCA and BSc. Total 120 students attended the program.



9. Cisco - RVCE IOT Hackathon

Cisco - RVCE IOT Hackathon was conducted on 2nd and 3rd November 2018 at RVCE New sports complex. It started at 2pm on 2nd November with 30 teams, with 120 students participating for the computation. The number of entry was 200 teams with 750 participants. It was short listed to 30 teams by experts from industry and institution.

