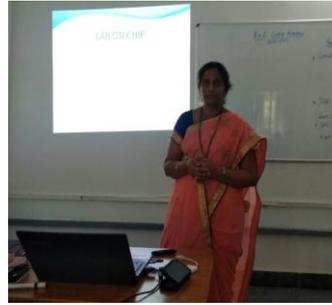


## Research Colloquium on 06-10-2018

1. Smt. T. Kalpana had given a presentation on “ Lab-on-chip ”. In the presentation, the electronic circuitry required for clinical test is discussed and the different fabrication steps are highlighted.
2. Mr. Venkata Ashok had given presentation on “ Internet of Things (IOT) ”. In the presentation the components of IOT RFID, Sensor, Smart tech is discussed. The presentation covers the Smart Grid using IOT and ended with applications of IOT.
3. Mr.R. Harikishan had given a presentation on “ Design of design for testability in timely testing of VLSI Circuits ”. In the presentation, the importance of testing and testability design is discussed. Also the equipment for automatic test and fault simulation is highlighted.



Smt.T.Kalpana



Mr. Venkata Ashok



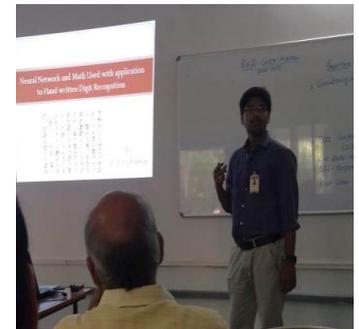
Mr. R. Harikishan

## Research Colloquium on 13-10-2018

1. Mr.M. K. LingaMurthy had given a presentation on “ Introduction to Deep Learning”. In the presentation the concepts of AI, ML, Deep Learning and learning algorithms are discussed. Different applications of deep learning in various fields are highlighted.
2. Mr.K. Ravi Kumar had given presentation on “ Digit recognition using Neural Networks and Math used”. In the presentation the basic structure of Deep neural network with the Hand- written digit recognition example is discussed. Activation functions like ReLU, sigmoid in deep learning is discussed .
3. Mr.M.Sambasiva Reddy had given a presentation on Analysis of the reconstruction of sparse signals in the DCT Domain applied to audio signals. In the presentation the sparse signal and sparsity in frequency domain is discussed.



Mr.M. K. Linga Murthy



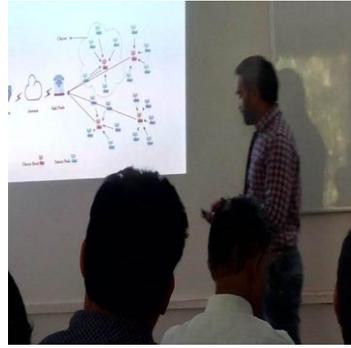
Mr.K. Ravi Kumar



Mr. M. Sambasiva Reddy

## Research Colloquium on 29-10-2018

1. Mr. P. Venkata Rao had given a presentation on “Clustering and Compressive sensing in Wireless Sensor Networks ” . In the presentation distributed energy efficient clustering like SEP, DEC techniques are discussed. Integration of hierarchical compressive sensing with clustering is discussed.
2. Smt.K. Lakshmi has given a presentation on “ AI based Embedded Assistive system for college”. The problem facing by students regarding permissions are discussed and the automation of this process using AI is discussed.
3. Mr.Ch.V. Naga Bhaskar had given a presentation on “Analysis of Near-Far problem of a pseudolite for GNSS based positioning”. In the presentation how pseudolite is useful for finding position when signal from one or more satellites is missing.
4. Mr. A. Anil Kumar reddy had given presentation on wave guides. In the presentation Rectangular, circular wave guides and applications are discussed.



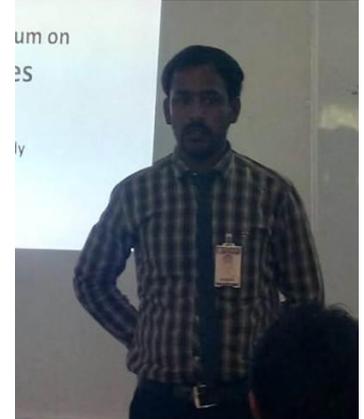
Mr. P. Venkata Rao



Smt.K. Lakshmi



Mr.Ch.V. Naga Bhaskar



Mr. A. Anil Kumar Reddy