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**Institute of Technology  
Bengaluru**

**Department of Electronics  
and Instrumentation  
Engineering**  
**Student Orientation  
Programme**



**3<sup>rd</sup> Aug 2019**  
**10.30 am to**  
**12.00 pm**

**Seminar Hall**  
**Dept., of EIE**

**‘Career Planning and Emerging trends in Data  
Analysis’**

**Ms. Namratha Acharya,**  
**Business and Data Analyst**  
**IBM, Bengaluru**

**Ms. Nirupama Shivnanjappa,**  
**RF Driver Development Engineer,**  
**Apple Inc., California, USA**

# Orientation Programme

## Profile of the Guest Speaker-1 **MS. NAMRATHA ACHARYA**



### Professional Experience:

#### 1) *Application Developer*

**Accenture, Bengaluru**

- Building Automation Test Scripts for a Web application
- Testing the performance of web applications

#### 2) *Automation Tester and Business and Data Analyst at*

**IBM India Private Limited, Bengaluru – present**

- Scrum Master of her team at IBM

### Education:

- Bachelor of Engineering (B.E), Electronics and Instrumentation Engineering – (2010 – 2014).
- Alumna of RNSIT

# Orientation Programme

## Profile of the Guest Speaker-2

**MS. NIRUPAMA SHIVNANJAPPA**



### Professional Experience:

1) *Computer Lab Assistant*

**University of Texas at Dallas**

2) *Software Developer*

**INTEL Corporation, San Diego, California, USA**

3) *RF Driver Development Engineer*

**Apple Inc., California, USA - present**

### Education:

- Bachelor of Engineering (B.E), Electrical and Electronics Engineering – 2014.
- Alumna of RNSIT
- MS in RF and Microwave Engineering from University of Dallas – 2017

# Orientation Programme



Ms. Namrata Acharya gave our students a peek into the IT world by speaking about the importance of Data Analysis in today's technologically disruptive era and how they can proactively take actions to stay ahead of the game.





# Orientation Programme



Ms. Nirupama Shivnanjappa advised our students about pursuing career by talking about her personal journey and the hardships she faced on the way to success.





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**26<sup>th</sup> Oct 2019  
11.00 am to  
1.00 pm**

**Placement  
Seminar Hall  
ACA - 1**

**‘New Horizons in Machine Learning and Artificial  
Intelligence’**

**Dr. Harish Chouhan  
Chief Technical Officer  
E-AI-GLE Systems  
Bengaluru**

# Orientation Programme

## Profile of the Guest Speaker

### **DR. HARISH CHOUHAN**



Dr. Harish Chouhan has 35+ yrs experience in the ITES space. He holds a Ph.D in signal processing from IISc. Bangalore. He has techno-commercial background with experience in Telecom, Retail and the banking segments. Has worked with several MNC across the globe: US, Canada and South America, MEA – UAE, South Africa EU – UK, France, Belgium, Germany, Netherland, Ireland . He has undertaken several international consulting assignments. with governments of different countries. As part of his professional career, he has built business grows from scratch and grown them to multi-million dollar revenue. The larget was of 460 M USD in telecom. He is hands-on with many technologies and develops code in c/c++/python, full-stack LAMP. His current interests are in Deep Packet Filtering, AI/ML, IoT, Converged Communication Systems and multi-core processors. Dr. Harish Chouhan is a member of IEEE, HL7, TM Forum, OMG, ASI, ITU, etc. Was the secretary of the CSI, Bangalore Chapter. Has published several journal and conference papers.



# Orientation Programme



Release of TATVA magazine

Dr. Harish Chouhan gave a splendid presentation which exposed the students to various sectors in Artificial Intelligence, Machine Learning and Deep Learning. All the students and staff appreciated and were benefited from his views on the subject.





# Orientation Programme



Prize Distribution



## Highlights of the Talk:

- Intelligent Sensors and Instrumentation
- Concept of Neuron and Perceptron
- Multilayer perceptron
- Back propagation algorithm
- Unsupervised Learning
- Simulated Annealing
- Genetic Algorithm
- Steepest decent algorithm
- Discriminant function



Group Photo