

IEEE Bombay Section Events

Tutorials cum Workshop on AI&ML

IEEE Bombay Section in collaboration with the India Council has organised a day-and-a-half long ‘Tutorials cum Workshop on AI&ML’ during 10-11 Aug 2018. This is the second edition in the series, the first was held in Philips Innovation Center, Bengaluru on September 6, 2017. The local host and the venue for this edition is the Centre for Technology and Innovation Management, NITIE, Mumbai. The event was supported by the IEEE Technology and Engineering Management Society (TEMS) as well as the Standards Association (SA).



Artificial Intelligence is an attempt to make computers as smart, or even smarter than the human beings. It's about giving computers human-like behaviors, thought processes, and reasoning abilities. Machine Learning, Neural Networks, Deep Learning, Natural Language Processing give machines power to make decisions. Machine Learning is an AI technique concerned with learning insights from data and using them to make predictions about the world. Artificial neural network is a technique inspired by how our brain's neurons function. Deep Learning essentially is a set of methods for training multilayered artificial neural networks. Deep Learning methods continue to dominate the field of machine learning and have wide range of applications such as self-driving cars, image processing, video analytics, healthcare, industrial automation, data analytics etc.

In these tutorials cum workshop, distinguished researchers as well as experts from industry and academia gave insights on AI, machine learning and deep learning frameworks, algorithms and applications of ML and DL in different sectors. They also covered challenges and opportunities using these cutting edge technologies.



The tutorial sessions were excellently conducted on “Deep Learning for computer vision” by Prof. Santosh Chapaneri (St. Francis Institute of Technology, Borivali) and on “AI and Hands-on on Machine Learning” by Dr. Shaunuk De, Indian Institute of Technology Bombay.

The workshops were delivered on “Enabling Digital Supply Chain: A System Perspective” by Dr. Rahul Altekar (SAP India, Mumbai), on “AI in Defence Systems” by Mr. R.Muralidharan & Mr. Sunil Chomal (Tata Power, Mumbai), on “Text Analytics” by Dr. Prakash Pimpale (CDAC, Mumbai), on “AI, ML and RPA: Is this the right time?” by Mr. Abhay Phansikar (IEEE Bombay Section), on “Applications of Cognitive Computing” by Mr. Devesh Rajadhyax (Cere Labs Pvt. Ltd.) and on “A framework for Chatbot design for FinTech Services” by Mr. Vishal Vachhani, Recommender Labs.

The Organising Committee members of this fruitful event are B. Satyanarayana (VC (TA), IEEE India Council & Secretary, IEEE Bombay Section), Sri Chandra (Sr. Director, Standards & Technology, IEEE India), Munir Mohammed (Sr. Program Manager, IEEE India) Mukundan R (Faculty, CTIM, NITIE), Chintan Oza (Chair, TEMS, IEEE Bombay Section) Mukund Sathe (Webmaster, IEEE Bombay Section), Anand Gharpure (Jt. Secretary, IEEE Bombay Section) and Ruchita Gupta (Coordinator, CTIM, NITIE). The Committee would like to thank Prof. Karuna Jain (Director), Prof. Hema Date (Dean, Student Affairs), Prof. Vivekanand B. Khanapuri (Dean, Academics) and Prof. Shirish Sangle (Dean,

Sponsored Research and Industrial Consultancy) as well as the student volunteers - Vipul Gandhi, Jayadeep Babariya, Arjun Prasad, Pratima Bhagat and Durgesh Jaiswal - all from NITIE.

The participated audience mainly comprised of data scientists, data analysts, automation, manufacturing, finance and other industry application users, faculties and students. About 150 participants in all have attended the event. Having done two such events successfully, a 'recipe' is now established to replicate this event in other Section geographies as well.



For more details, please browse the event's web page at <http://ieeebombay.org/event/aiml2018/>

Report by: Dr. B.Satyanarayana, bsn@tifr.res.in

IEEE Foundation Event: Furthering Indian Perception of IEEE

First set of events of the 'Furthering Indian Perception of IEEE' project sponsored by the IEEE Foundation went underway in Mumbai. Future events under this project will be hosted at various Section geographies under the India Council.

Soft-landing on the Moon is an unbelievably challenging feat that only the USA, USSR and China have achieved via national space programmes with billion-dollar budgets and decades of prior space experience. India's aerospace startup Team - 'Indus', is attempting this technological and entrepreneurial challenge. On the Engineers Day 2018, ECA or 'Ek Choti si Asha', the micro-class exploration rover tailored to explore the lunar surface was invited to Mumbai. Team Indus engineers Prithvi Gautham, John K John and Hari Prasad Gokul shared their exciting experiences of building a moonshot – from the science and engineering behind the mission to the challenges of building a spacecraft and a space-grade rover. They demonstrated a working rover along with exotic materials and instruments designed as part of the project.

Three back-to-back events were organized on three consecutive days for different types of audience as detailed below.

- At Tata Institute of Fundamental Research, Colaba on Sep 14th, 2018 for Scientists,
- At Don Bosco Institute of Technology, Kurla (W) on Sep 15th, 2018 for academicians and students and
- At D. G. Ruparel College of Arts, Science and Commerce, Matunga (W) on Sep 16, 2018 for local public of all ages.



At Don Bosco Institute of Technology



At D. G. Ruparel College of Arts, Science and Commerce



At Tata Institute of Fundamental Research

The response was great; about 1000 in total participated in this string of events. The event held at TIFR was also live streamed and archived on YouTube.

Report by Dr. B. Satyanarayana, bsn@tifr.res.in

The 21 Irrefutable Laws of Leadership Follow Them and People Will Follow You

The Law of the Lid: Leadership Ability Determines a Person's Level of Effectiveness.

2. The Law of Influence: The True Measure of Leadership Is Influence—Nothing More, Nothing Less.

3. The Law of Process: Leadership Develops Daily, Not in a Day.

4. The Law of Navigation: Anyone Can Steer the Ship, but It Takes a Leader the Chart the Course.

5. The Law of Addition: Leaders Add Value by Serving Others.

6. The Law of Solid Ground: Trust Is the Foundation of Leadership.

7. The Law of Respect: People Naturally Follow Leaders Stronger Than Themselves.

8. The Law of Intuition: Leaders Evaluate Everything with a Leadership Bias.

9. The Law of Magnetism: Who You Are Is Who You Attract.

10. The Law of Connection: Leaders Touch a Heart Before They Ask for a Hand.

11. The Law of The Inner Circle: A Leader's Potential Is Determined by Those Closest to Him.

12. The Law of Empowerment: Only Secure Leaders Give Power to Others.

13. The Law of the Picture: People Do What People See.

14. The Law of Buy-in: People Buy into the Leader, Then the Vision.

15. The Law of Victory: Leaders Find a Way for the Team to Win.

16. The Law of the Big Mo: Momentum Is a Leader's Best Friend.

17. The Law of Priorities: Leaders Understand That Activity Is Not Necessarily Accomplishment.

18. The Law of Sacrifice: A Leader Must Give Up to Go Up.

19. The Law of Timing: When to Lead Is As Important As What to Do and Where to Go.

20. The Law of Explosive Growth: To Add Growth, Lead Follower—To Multiply, Lead Leaders.

21. The Law of Legacy: A Leader's Lasting Value Is Measured by Succession.