# National Seminar Brochure – 2017



SYMBIOSIS
CENTRE FOR INFORMATION TECHNOLOGY

18th National Seminar 2017

SYMBIOSIS
INTERNATIONAL UNIVERSITY

Beyond the **R²**: Analytics, an Altruist to **Information Security** or rather an Antagonist?

**ESTEEMED DIGNITARIES**

**Ambica Rajagopal**
Cummins

**Amey Pathak**
Tata Insights & Quants

**CHIEF GUEST**
**Tuhin Chattopadhyay**
Associate Director Advanced
Analytics Consulting, Nielsen

**Anup Nair**
RSM India

**Baijnath Pandey**
L&T Technology Services

**Rajesh Hariharan**
NSE India

SEP 16, 2017     10:30 AM     SIC AUDITORIUM
Hinjewadi Phase 1, Pune

# National Seminar Report - 2017

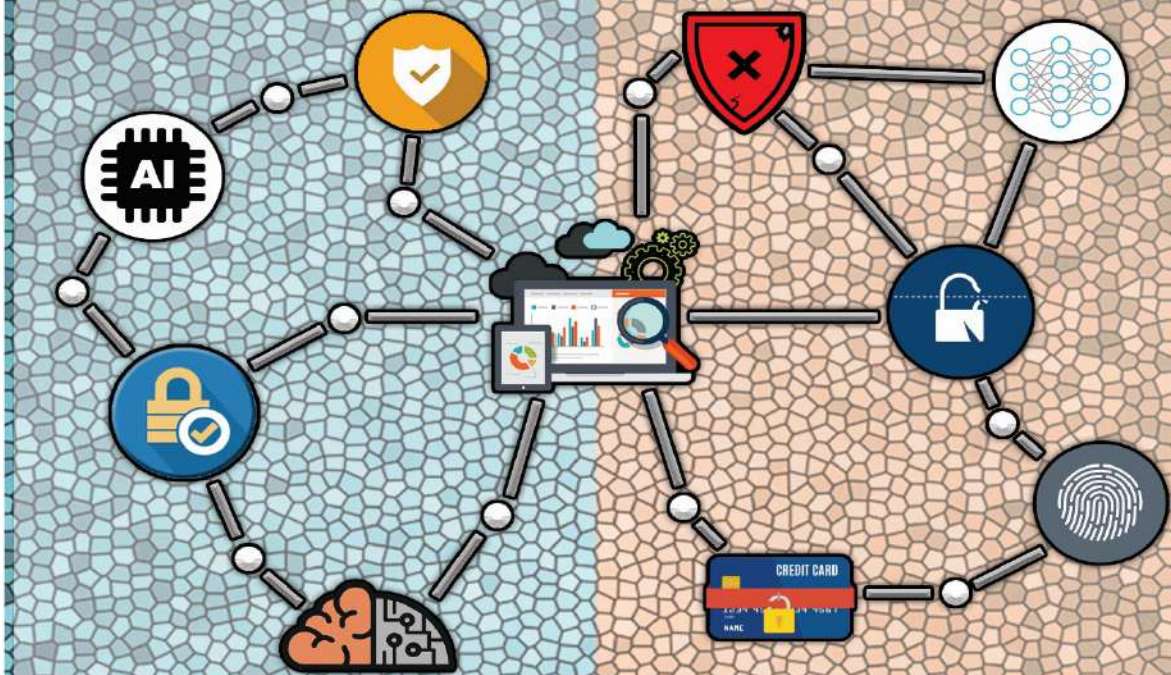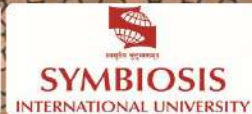| | |
|---|---|
| **Title of the workshops / seminars conducted** | 18th National Seminar<br><br>Beyond the R2: Analytics, An Altruist To Information Security Or Rather An Antagonist? |
| **Date, Time and Venue** | **Date:** September 16, 2017<br><br>**Time:** 10:30 AM to 1:30 PM<br><br>**Venue:** SIC Auditorium, Symbiosis Infotech Campus, Hinjewadi, Pune. |
| **Resource Person(s)** | 1. Amey Pathak<br>    (Deputy General Manager, Analytics - Tata Insights and Quants)<br>2. Ambica Rajagopal<br>    (Data Scientist - Cummins Inc.)<br>3. Anup Nair<br>    (IT System Assurance & Advisory-National Practice Leader - RSM India)<br>4. Rajesh Hariharan<br>    (Cyber Security Manager - National Stock Exchange of India Limited)<br>5. Baijnath Pandey (Moderator)<br>    (Marketing Specialist - L& T Technology Services) |
| **Abstract/short note on the workshop/seminar** | With the dominance of Data Analytics and Information Security in a myriad of domains over the years, National Seminar 2017 aims to delve into whether a coalition between the two will take the form of tomorrow's Guardian Angel or rather be a Threat Agent? Following questions are excerpts from the agenda for the panel discussion at the Seminar to be held in September. |

| | |
|---|---|
| | ❖How will Analytics serve as a catalyst for Payment Card Industry Cyber Security?<br><br>❖Bigger the Data, Bigger the Risk?<br><br>❖Will the advancement of Analytics put Personally Identified Information at stake?<br><br>❖Does Big Data Compromise Data Rights and Ownership?<br><br>❖Does this hour call for an ethical breed of Data Scientists?<br><br>❖Will Retail Data Analytics pave the way for a smarter shopping experience but naive in Information Security? |
| **Approximate number of attendees** | 187 |

# Beyond the R². Analytics, an Altruist to Information Security or rather an Antagonist?

The dominance of Data Analytics and Information Security has been seen in a myriad of domains over the last couple of years.

The field of Data Analytics has grown in leaps and bounds with the emergence of a wide range of analytical techniques and applications. However, it has only gained momentum within the last decade, with the hype over the concept of big data. In a general lifecycle of data, raw data is collected, processed, analyzed, interpreted with the help of algorithms and models, and finally results and predictions are reported for the purpose of making recommendations and gaining insights; finally coming up with the "data product."

Information Security is a set of strategies for managing the processes, tools and policies necessary to prevent, detect, document and counter threats to digital and non-digital information. Information Security programs are built around the core objectives of the CIA triad: maintaining the confidentiality, integrity and availability of IT systems and business data.

Both the fields have scaled unimaginable heights. But will the impact that Data Analytics has on Information Security remain as a theory unventured?

In spite of Big Data bringing about Information Security challenges, it also provides tremendous opportunities for innovation. Data Analytics is proving to be an integral part of Cyber Security and the fight against online crime. It is believed that predictive indicators evolving from Data Science can identify new emergent risks before they result in significant losses. There is another side to this theory which presents an antagonistic view to this synergy of Data Analytics and Information Security.

With all this unstructured and abundantly available data, the obvious concern is whether this poses a security risk. Data Analytics has provided every tool possible to decrypt the data and extract valuable information from these large volumes of data. The concern here would be whether the information falls in the right hands.

According to a recent report by Gartner, Cyber Security expenditure is going to exceed $1 trillion from 2017 to 2021. The rising tide of cyber crimes has pushed cyber security expenses on products and services to more than $80 billion in 2016. These blatantly large figures indicate the level of damage that can be incurred by rampant access to data. The increased use of real-time analytics across multiple data-points will no doubt increase the quality of information but also increase the threat of information that may be compromised.

With this, National Seminar 2017 aims to delve into whether a coalition between the two will take the form of tomorrow's Guardian Angel or rather be a Threat Agent?

# CHIEF GUEST

**Tuhin Chattopadhyay**
Associate Director Advanced Analytics Consulting - Nielsen

Tuhin Chattopadhyay is an eminent business analytics and data science thought leader among both the academic and corporate fraternity of analytics. He was awarded Analytics and Insight Leader of the Year in 2017 by KamiKaze B2B Media and was featured in India's Top 10 Data Scientists – 2016 by Analytics India Magazine. As an academician turned practitioner, Tuhin spent the first ten years of his career in teaching business statistics, research and analytics at a number of reputed B-Schools of Delhi-NCR before joining the analytics industry. Currently, being a seasoned professional in the analytics industry, Tuhin works as Associate Director at The Nielsen Company and is responsible for providing full suite of analytics consultancy services, products and technologies to meet the evolving needs of the industry. Tuhin is also a distinguished member of American Statistical Association and Association for Computing Machinery.

# PANEL OF SPEAKERS

**Ambica Rajagopal**
Data Scientist - Cummins Inc.

Dr. Ambica Rajagopal is a Global Data Science Leader in the Advanced Analytics Center, Cummins Inc, Pune. In this role, Dr. Ambica Rajagopal leads a team of Data Scientists in delivering analytical insights for diverse global projects leveraging advanced statistical modelling, machine learning, Data Science and Big Data technologies. She also leads the Telematics Analytics effort for Cummins India. Dr. Ambica Rajagopal has 15 years of experience, developing and delivering industry leading analytical products. Her last engagement was at Fidelity Investments, Bangalore, where she built and led a global team of data scientists to deliver business insights from Advanced Analytics in the Investment management process. Dr. Ambica Rajagopal has a PhD (Mathematics) from Purdue University (West Lafayette IN, USA) and an M.Sc. (Mathematics) from Birla Institute of Technology & Science, BITS (Pilani). Her interests include Indian history, photography and being a foodie.

## Amey Pathak
### Deputy General Manager, Analytics - Tata Insights and Quants

Amey Pathak leads the client solutions practice at Tata Insights and Quants Division (Tata iQ). He is a seasoned analytics and data science professional with 14+ years of experience in analytics consulting across varied industries and markets. Amey has led engagements and initiatives for clients in Financial Services, Insurance, Telecom, Entertainment/Media and Retail verticals across India, APAC and Americas. Amey has strong experience in applying statistical and machine learning techniques to solve business problems and use the insights to provide recommendations for clients. Prior to joining Tata group, Amey led the analytics for Tech/Entertainment/Media sector at PwC. Amey also worked with a couple of startups leading the advanced analytics practices for the startups. Amey holds a Master of Science in Applied Statistics and Computer Science from IIT Bombay and a Bachelors of Science in Mathematics.

## Anup Nair
### IT System Assurance & Advisory - National Practice Leader - RSM India

Anup leads the IT System Assurance practice of RSM in India and has more than 15 years of experience in the areas of Information Security, IT Risk Management, Business Continuity, Information Security Management and IT Audits. He has worked on multiple projects in US, UK and India. Anup holds certifications such as CISA, CISSP, SAP Security Certified Consultant, ECSA, ISO 27001 Lead Auditor, ISO22301 Lead Implementer and CIISA.

Prior to joining RSM, he has worked with Deloitte Enterprise risk services team for 8 years and was responsible to drive IT Assurance and Advisory services for the firm. Anup also has 3 years of international experience (at Orange County, CA) as a project leader in the area of IT Security, Information Security, SOX 404, SSAE 16, SOC 2, Controls Benchmarking & Rationalization and Application & IT Security.

## Baijnath Pandey
Marketing Specialist - L&T Technology Services

Baijnath Pandey, a service industry professional, carries close to 8 years of experience in IT and hospitality Marketing and Communications. Currently leading the marketing efforts of Medical vertical at L&T Technology Services. In his last role with Mindtree Ltd, he was part of the Corporate Marketing team with the additional responsibility of setting up the Internal Communications functions. An MBA in Marketing, he graduated as the Best Outgoing student, was the Student Body President, President-Toastmasters' Club; and won the "Chandrakanthi Memorial Best Young Leader Award-2012", along with 2 more national level Best CEO awards. Prior to MBA, he worked at Oberoi Hotels and Resort in the middle-management. Baijnath wears a dual hat. Besides his corporate life, he is also dons the hat of a professional compere with 500+ events to his credit.



## Rajesh Hariharan
Cyber Security Manager - National Stock Exchange of India Limited

Rajesh Hariharan has more than 13 years of progressive experience in field of Information Security covering wide spectrum that includes Technology Risk Management, Cyber Security, Audit and Compliance. He has worked with a wide range of clients across various sectors such as Finance, Healthcare, Manufacturing and Energy. He has spearheaded various service initiatives within the organization and as well as contributed towards building and stabilizing security operations. He has membership with renowned security forums such as ISACA, SANS and holds multiple International Certifications, namely CRISC, CISM, GCIH, CPISI. He has Masters degree from BITS Pilani, Symbiosis Institutes.

# INSIGHTS FROM THE PAST

## 17th National Seminar

Titled 'The Alliance Between E-Commerce and Social Media: Collaborative Success or Delusion?', National Seminar 2016 explored the trending alliance between the two with the exponential increase in their penetration among the population in India and around the world. The discussion focused on topics like the effectiveness of the alliance, ROI and its measure in the industry, acceptance of E-Commerce interruptions while browsing social media sites by users and the ways to handle privacy issues that may arise by an alliance between the two.

# 16th National Seminar

Titled 'Internet of Things: Convenience or Compromise', National Seminar 2015 threw light on the advent and future potential of IoT along with its probable negative aspects. Various topics like the ease-of-life induced by IoT, trends being observed in the industry and security loopholes along with potential remedies for mitigation were discussed upon. Experts from the industry shared their views and knowledge to make the seminar a fruitful event for everyone involved. Interesting questions from the student audience after the panel discussion added to the success of the 16th National Seminar at SCIT.

# 18th National Seminar 2017

## PROGRAM SCHEDULE

### September 16, 2017

| TIME | TOPIC | SPEAKERS |
|------|-------|----------|
| 10:30 AM | Registration | |
| 10:35 AM | Inauguration | |
| 10:45 AM | Welcome Address | Dr. Dhanya Pramod, Director- SCIT |
| 10:55 AM | Address by Vice Chancellor | Dr. Rajani Gupte |
| 11:05 AM | Address by Principal Director | Dr. Vidya Yeravdekar |
| 11:15 AM | Address by Chancellor | Dr. S. B. Mujumdar |
| 11:25 AM | Address by Chief Guest | Tuhin Chattopadhyay Associate Director - Advanced Analytics Consulting & Modeling, Nielsen |
| 11:45 AM TO 01:00 PM | Panel Discussion Beyond the $R^2$: Analytics, An Altruist To Information Security Or Rather An Antagonist? | Ambica Rajagopal Data Scientist - Cummins Inc. Amey Pathak Deputy General Manager, Analytics - Tata Insights and Quants Anup Nair IT System Assurance & Advisory - National Practice Leader - RSM India Baijnath Pandey Marketing Specialist - L&T Technology Services Rajesh Hariharan Cyber Security Manager - National Stock Exchange of India Limited |
| 1:00 PM | Q & A Session | |
| 1:15 PM | Vote of Thanks | |
| 1:20 PM | Exhibition of Students' Internship Projects followed by Lunch | |

SEP 16, 2017

10:30 AM

SIC AUDITORIUM
Hinjewadi Phase 1, Pune

## SCIT

Symbiosis Centre for Information Technology
Plot 15, Phase 1, Rajiv Gandhi Infotech Park, Hinjewadi,
Pune - 411057, Maharashtra, India
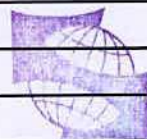Email: nationalseminar@scit.edu | Phone: 020-22934313

# SYMBIOSIS CENTRE FOR INFORMATION TEHNOLOGY

## ATTENDANCE FOR NATIONAL SEMINAR -2017

### 18th National Seminar -16 /9/2017

| Sr. No. | Name of the Students | Status |
|---------|----------------------|--------|
| 1 | Indrani Chowdhury | P |
| 2 | Piyush Narang | P |
| 3 | Ajay G | P |
| 4 | Avani Chandra | P |
| 5 | Shahana Yasmeen | P |
| 6 | Merlin Joseph Thottarukil | P |
| 7 | Priya Ranganathan | P |
| 8 | Aditya Azad Uparkar | P |
| 9 | Nikita Mahesh Rana | P |
| 10 | Manikandan M | P |
| 11 | Harshit Gupta | P |
| 12 | Deepika Milind Patwardhan | P |
| 13 | Rohan Chitambare | P |
| 14 | Rupayan Ghosh | P |
| 15 | Namrata Sangram Khuntia | P |
| 16 | Reshma K S | P |
| 17 | Aalap Pareshkumar Shah | P |
| 18 | Aman Duggal | P |
| 19 | Chaitra Gopal Rane | P |
| 20 | Dhruvil Bharat Goda | P |
| 21 | Monika Yadav | P |
| 22 | Neha Harish | P |
| 23 | Niranjan Kishor Homkar | P |
| 24 | Prerna Mehta | P |
| 25 | Reetika Narayanan | P |
| 26 | Sadaf Ali Naqvi | P |
| 27 | Shubham Ramesh Dhamande | P |
| 28 | Jayanta Maharana | P |
| 29 | Ajinkya Chandrakant Gawali | P |
| 30 | Ajitesh Kumar Rai | P |
| 31 | Akshay Anil Chavan | P |
| 32 | Aniket Prakash Burande | P |
| 33 | Geetika Pant | P |
| 34 | Mohd Arbaz Aijaz Ansari | P |
| 35 | Rishika Taneja | P |
| 36 | Akriti Yadav | P |

| Sr. No. | Name of the Students | Status |
|---------|----------------------|--------|
| 37 | Pritish Chandrakant Patil | P |
| 38 | Rohan Ajit Bal | P |
| 39 | Sayali Mahendra Bora | P |
| 40 | Raj Gaurav | P |
| 41 | Siddharth Kiran Gadkari | P |
| 42 | Nirav Himanshhubhai Gandhi | P |
| 43 | Shivangi Gupta | P |
| 44 | Shruti Khardenavis | P |
| 45 | Hemakshi Pramod Wasnik | P |
| 46 | Ashray Razdan | P |
| 47 | Richa Sinha | P |
| 48 | Namrata Naik | P |
| 49 | Gunjan Rai Sharma | P |
| 50 | Vineeta Verma | P |
| 51 | Chaitanya Vashishth | P |
| 52 | Mohita Mundra | P |
| 53 | Niraj Vinay Desai | P |
| 54 | Sameer Pathania | P |
| 55 | Aditya Tyagi | P |
| 56 | Anuj Banura | P |
| 57 | Winola Savea DSouza | P |
| 58 | Raja Anandpal Singh Panwar | P |
| 59 | Megha Joshi | P |
| 60 | Sourav Ghatak | P |
| 61 | Mahesh Girish Pokkali | P |
| 62 | Subhrajit Paul | P |
| 63 | Priyanka Rajaram Chavan | P |
| 64 | Vishakha Rai | P |
| 65 | Bhanu Priya | P |
| 66 | Mehak Daftari | P |
| 67 | Aditi Goyal | P |
| 68 | Arjun Karthick S | P |
| 69 | Dixant Rajendrakumar Thakore | P |
| 70 | Mohit Soni | P |
| 71 | Purva Jayesh Kirolikar | P |
| 72 | Akshata Shekhar Shetty | P |
| 73 | Dhwani Pradeep Malviya | P |
| 74 | Aishwarya Puri | P |
| 75 | Atiya Hassan | P |
| 76 | Akshay Ashok Puranik | P |
| 77 | Sayantan Biswas | P |

| Sr. No. | Name of the Students | Status |
|---------|----------------------|--------|
| 78 | Jijnasa Sahoo | P |
| 79 | Sristy Changkakoti | P |
| 80 | Sankirtan Sri Sai Moturi | P |
| 81 | Shivank | P |
| 82 | Nishant Durgaram Sukharia | P |
| 83 | Surbhi Mehta | P |
| 84 | Aarsh Shailesh Thakkar | P |
| 85 | Jeet Shashikant Ganatra | P |
| 86 | Elakshri Agarwal | P |
| 87 | Mukul Anand | P |
| 88 | Srishty Choudhary | P |
| 89 | Soumen Dash | P |
| 90 | Sejuti Saha | P |
| 91 | Adarsh Kumar | P |
| 92 | Mohit Bhatt | P |
| 93 | Pooja Vinayak Bhoir | P |
| 94 | Namrata Singh | P |
| 95 | Nupur Santoshkumar Khune | P |
| 96 | L Vikas Reddy | P |
| 97 | Soumya Subhro Ghosh | P |
| 98 | Kanika Shah | P |
| 99 | Yachit Vinod Raul | P |
| 100 | Amrut Ashokrao Deshpande | P |
| 101 | Akash Goel | P |
| 102 | Gaurav Rameshwar Kumbhar | P |
| 103 | Akshay Suresh Londhe | P |
| 104 | Spandan Shaunakbhai Mehta | P |
| 105 | Lay Rakeshbhai Shah | P |
| 106 | Prathibha Kilari | P |
| 107 | Adya Mishra | P |
| 108 | Vishwas R | P |
| 109 | Kristi Kunworee Baishya | P |
| 110 | Rusha Roy | P |
| 111 | Aditya Saxena | P |
| 112 | Karun Wadhera | P |
| 113 | Miren Dineshchandra Thakkar | P |
| 114 | Koustuv Das Gupta | P |
| 115 | Akash Kirit Jagiwala | P |
| 116 | Sachi Chandrashekhar Pisat | P |
| 117 | Shreyasi Deodhar | P |
| 118 | Shreeraj Shreeram Bhandari | P |

SCIT

| Sr. No. | Name of the Students | Status |
|---|---|---|
| 119 | Anuj Sabhlok | P |
| 120 | Rutuja Ajay Bodhe | P |
| 121 | Keerti Chouhan | P |
| 122 | Yesha Rajeshbhai Unadkat | P |
| 123 | Arihant Jain | P |
| 124 | Saloni Sadana | P |
| 125 | Sanjana Reddy Avula | P |
| 126 | Krunal Pradip Khabade | P |
| 127 | Amit Kumar Pradhan | P |
| 128 | Pooja Baban Kamble | P |
| 129 | Oujaswatee Das | P |
| 130 | Chetna Arora | P |
| 131 | Dishi Joshi | P |
| 132 | Anurag Deb | P |
| 133 | Manali Srivastava | P |
| 134 | Aman Kumar | P |
| 135 | Shweta Yadav | P |
| 136 | Anamika Prakash Patil | P |
| 137 | Mohini Singh | P |
| 138 | Komal Prasannakumar Mohanty | P |
| 139 | Sumit Dipak Karnik | P |
| 140 | Chintan Jayeshbhai Takwani | P |
| 141 | Siddharth Nilesh Kansara | P |
| 142 | Sumella Qamar | P |
| 143 | Goswami Harshgiri Daxeshgiri | P |
| 144 | Akhil A | P |
| 145 | Akash Nikhra | P |
| 146 | Airika Kochhar | P |
| 147 | Akhila Wadki | P |
| 148 | Sayani Acharya | P |
| 149 | Arnav Kalawat | P |
| 150 | Prateeksha Mathur | P |
| 151 | Amar Bhate | P |
| 152 | Dhanashree Mahesh Anaokar | P |
| 153 | Prateek Rathi | P |
| 154 | Vinita Tiwari | P |
| 155 | Apurva Vijendra Ojha | P |
| 156 | Shikhar Kumar | P |
| 157 | Kavish Mittal | P |
| 158 | Rajarshi Roy | P |
| 159 | Saloni Kamthan | P |

||वसुधैव कुटुम्बकम्||
SCIT

| Sr. No. | Name of the Students | Status |
|---------|----------------------|--------|
| 160 | Anant Dutt | P |
| 161 | Ankur Kailas Bore | P |
| 162 | Kartik Ravindran | P |
| 163 | Monodeep Bera | P |
| 164 | Shreya Gawande | P |
| 165 | Abhijeet Pandurang Zaware | P |
| 166 | Shimona Agarwal | P |
| 167 | Arvind N | P |
| 168 | Meghana Reddy Pothireddygari | P |
| 169 | Maitri Parida | P |
| 170 | Mansi Jain | P |
| 171 | Ankit Anurag | P |
| 172 | Mayank Mohan | P |
| 173 | Abhishek Nilesh Bhagat | P |
| 174 | Arpit Jagdishbhai Ramani | P |
| 175 | Arsalan Abdul Razzak Dawalatabad | P |
| 176 | Chandan Kumar Tripathy | P |
| 177 | Chetana Rishi Agarwal | P |
| 178 | Divyesh Parmanand Jadhav | P |
| 179 | Ediga Om Prakash Goud | P |
| 180 | Gitanjali Bose | P |
| 181 | Ketan Bhasin | P |
| 182 | Kunj Umeshbhai Vaishnav | P |
| 183 | Nikhil Duryodhan | P |
| 184 | Prateek Singh | P |
| 185 | Sayanwita Das | P |
| 186 | Siby Thekkekara | P |
| 187 | Vrushal Bhosale | P |

# Photographs of 18th National Seminar



Ambica Rajagopal, Data Scientist, Cummins Inc
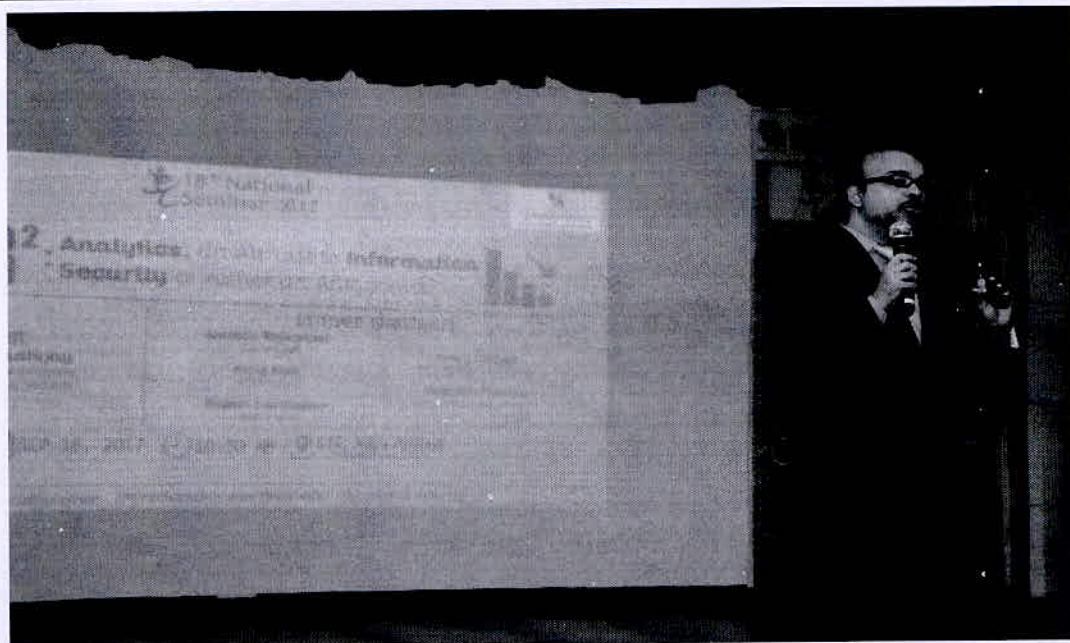Amey Pathak, Deputy General Manager, analyticsw – Tata Insights and Quants



Anup Nair, IT System Assurance & Advisory, National Practice Leader, RSM India
Rajesh Hariharan, Cyber Security Manager, National Stock Exchange of India Limited

Panel for Discussion:
Anup Nair, IT System Assurance & Advisory, National Practice Leader, RSM India
Rajesh Hariharan, Cyber Security Manager, National Stock Exchange of India Limited
Baijnath Pandey, Marketing Specialist, L & T Technology Services
Ambica Rajagopal, Data Scientist, Cummins Inc
Amey Pathak, Deputy General Manager, analyticsw – Tata Insights and Quants



Tuhin Chattopadhyay, Associate Director, Advance Analytics Consulting, Nielsen