


# Avaneesh Kumar Vats

Vice President(Digital Infra and Innovation) & HEAD (IT)

 New Delhi

 9873918464

 avneeshvats@gmail.com

 <https://www.linkedin.com/in/avneesh-vats-08377a68/>

 [https://twitter.com/vats\\_avneesh](https://twitter.com/vats_avneesh)

An award winner, result-oriented with excellent relationship management skill, passionate, creative, and technology thought leader with experience in establishing clear strategic vision and executing that vision to achieve the organization's business objectives. Having 20 years of experience in almost all the verticals of IT and 6 years with an Energy Service Company at a senior level reporting to MD/ Director. Demonstrated excellent problem-solving, and analytical thinking and run multiple digital transformation programs while working as Head(IT) with the world's largest Energy Service Company EESL supported by ADB, KfW and USAID for the program through low-interest debt funding.

## Skills

- Leadership
- Digital Transformation
- Change Management
- Emerging Technologies
- Team Building and Management
- Data Center and Cloud
- IT Sourcing and Procurement
- IT Policy and Standards
- Business Process Reengineering
- Budgeting

## Work History

2014-07- Current

### **Vice President (Digital Infrs & Innovation) & Head(IT)**

*Techno Electric and Engineering Co Ltd – Gurugram*

Heading Data Center Business and AMI Infrastructure and IT /ERP.

### **GM(IT)/ HEAD(IT)**

*Energy Efficiency Service Ltd and Convergence Energy Service Ltd , NEW DELHI ( JVs of PSU under MoP, GoI)*

2016-07 - 2024-06

Member of Senior officers committee, representing Technology function and different aspects of the business. Led end-to-end technology and business solutions function for the organization focused on rapid ROI, agile delivery, and technology modernization leading time to market.

Some of the major projects are listed below :

- Led the implementation of **IoT based Centralized Control and Monitoring System (CCMS) application for LED streetlight** & its National dashboard. The dashboard provides real-time status of number of Street lights ON & OFF, signal loss, energy savings, carbon

reduction & avoided peak demand. This application help to reduce resolution time by 5 %.

- Led the rollout of **Advance Metering Infrastructure (AMI) Smart Meter Program** at EESL funded by ADB. It Increased the billing efficiency of Discom approx. by 25%.
- Led the **SAP implementation** Suite on HANA (Project funded by World Bank) and roll out across EESL in the defined timeline. Modules implemented FICO, MM, SD, HCM, BI, FIORI, BPC and treasury.
- The SAP system is being used as a decision-making system for various functions like inventory forecasting, capital commitment, Profit & Loss, Balance sheet and aging etc. SAP system is also extended to EESL's global offices in UK, Thailand, UAE, Malaysia etc.
- Developed Governance structure to reduce risks in business processes, enhance information security, and comply with regulatory requirements.
- Streamlined the software development life cycle process by introducing best practices for change control, data governance, lean development and deployment, automation, project intake and quality assurance processes.
- Led the team that build various business dashboards with real-time project progress which enables management for quick decision-making.
- Design and get an application developed for real-time monitoring of power generation, and any fault at the system panel through IoT platform and Integrate Solar rooftop and decentralized solar generation to a single dashboard.
- Evaluated various IT infrastructure options and finalized to go with cloud and host all the SAP and Non-SAP applications on cloud infra since 2017.
- Guiding team to prepare and deploy the Business continuity planning, DC-DR replication, Backup, RTO, RPO, DR drill etc. Ensure system availability based on the SLA in line with business requirements.
- Provided guidance and vision on emerging technologies like IoT, Artificial intelligence, Machine Learning, Analytics, chatbot etc, digital trends and infrastructure advances that are most relevant to the organization's mission and strategy.
- Fulfillment of core Business Goals: Working in concert with functional heads like CFO, Head(Projects), Head(HR), and Head(Sales) to understand business requirements and propose suitable solutions for enhancement, system availability, performance, system improvement etc.
- Drafted IT Policy, Security Policy, Data, information workflow and Management for the organization including global offices.
- Design IT strategy, road map, tech refresh, budget, policies, and compliances at organizational level as per company's long/short-term plan.
- Collaborated with team members to assess their skill needs and provide required training to achieve target results.

- Worked within applicable standards, policies and regulatory guidelines to promote a safe working environment.
- Resolved conflicts and negotiated mutually beneficial agreements between parties.

**2005-12 - 2016-06**

## **Manager (IT & ERP)**

*POWERGRID Corporation of India Ltd, Gurgaon ( PSU under MoP, GoI)*

Worked in various capacities in IT and ERP departments at PGCIL. I have handled multiple projects during my tenure like IT infrastructure services like Data Centre build and management, Server and Storage Management, Backup Policy and Management, Business continuity planning, DR Drill and IT Procurement etc.

- Worked as Project Manager for end-to-end turn key project for EPR Data Centre build, ERP Hardware procurement and commissioning, started from Data Centre design, writing specification of IT and NON-IT components, Networking, Power, Cooling, IT security, NOC, Server, and Storage installation and commissioning etc.
- Preparation of RFPs, Qualification Criteria, Scope of work, work schedule etc for various packages for the selection of vendor for ERP Project. Arranging pre-bid meeting and involvement in preparation of response of pre-bid queries.
- Involved with consultant in designing Tire 3 Data Centre and Disaster Recovery Data Centre building including all non-IT component link DC build, perimeter Security (CCTV), IT Security- Firewall, IPS /IDS , VESDA, precision AC, Power, UPS, DG etc.
- Finalization of Type of hardware (CISC / RISC) to run SAP Database and applications, POWERGRID is one of few initial companies around the globe that run 4400 transactional users on Intel hardware and RedHat Operating System. (It reduced cost significantly and dependency on particular OEMs ( No Vendor lock in)
- Implementation of Information Security Management System (ISO 27001:2013) in ERP Data Centre and led teams for conducting Internal Risk Assessments, providing strategic consulting in improving measurement and compliance programs based on ISO/IEC 27001:2013.
- Established business continuity planning in consultation with business function based on approved RTO & RPO. Prepare replication methodologies, perform drills for DC-DR switch over and fail over.
- Automation of DC-DR switch over / failover even of selective application / Module.
- Created plans and communicated deadlines to complete projects on time

**2004-06 - 2005-11**

## **Engineer ITRP**

*NTPC Ltd, Noida*

- Worked with ERP team for preparing AS-IS documentation of various processes.
- Development of Financial Package called Books & Work Modules. Books modules had been successfully implemented at various sites of NTPC as well as at corporate center at Lodhi road.
- Implemented Books Module which contains various type of Vouchers preparation and generation of various types of reports.
- Designed Backup Strategy & ensured scheduled / unscheduled backup as per backup plan.
- Responsible for troubleshooting and configuration of Windows 2000 / 2003 server-based network services viz: Active Directory, MS Exchange, MS Power Portal Server and Windows Terminal Services.

2002-08 - 2004-06

## **Associate Technology (QA)**

*Sapient , Gurgaon*

- Development of the website of Hilton International (HI), an operating division of the UK based Hilton Group. Worked with Content Management System Track and development track as Team Member. Creating DCR's for multilingual functionality.
- To test the Online Help system that enables the staff in administration, information systems support and other departments in tracking the help requests made by various employees of the organization.
- Writing Function validation scripts, Scenarios scripts and Functional Testing, Regression testing, Main flow testing
- Exceeded goals through effective task prioritization and great work ethic.
- Developed team communications and information for meetings.
- Proved successful working within tight deadlines and fast-paced atmosphere.
- Identification of issues, analyzed information and provided solutions to problems



## **Education**

1996-10 - 2000-08

### **B.E: Computer Science And Engineering**

*FET RBS College - Agra*

2005-06 - 2007-08

### **Postgraduate Diploma in International Business: International Business Management**

*SCDL – PUNE*

2020-01 - 2020-12

### **Postgraduate Diploma in Data Science: Artificial Intelligence And Machine Learning**

*Simplilearn - Online*

2022-10 - 2023-01

### **Advance Certificate Program in Digital Innovation & Transformation in Enterprise**

*AIMA - New Delhi ( Weekends)*



## Awards

---

Awarded by various national and international prestigious agencies for innovative work done for the organization. I have received approx 70+ awards by various agencies. Some are listed below.

### International Awards:

- DX Inspire award 2022 under critical Infrastructure Transformation by **Global CIO forum at Bangkok** at World CIO Summit
- CIO 100 award 2019 -2020 consecutively for 2 years. This is an award conferred by **IDG US** on the top 100 CIOs across industry sectors in US.
- Global Leader Award in Year 2019 by **Bizox**

### National Awards:

- NetAPP innovation award-2023
- CIO Excellence award 2022- Leading CIO of the year by **Confederation of Indian Industry (CII)**
- IDC future Sustainability Award-2022 by **IDC India**
- Digital Leader award 2021 by **Data Quest**
- IDC Insite Award 2019 by International Data Corporation (IDC).
- Analytics 100 award by the Machincon (Analytics India Magazine)



## Publication

---

- Published research paper on "Internet of Things (IoT): Industry Use Cases (SAP- HCP) in "Advances in Data and Information Sciences Proceedings of ICDIS 2019" by Springer publication.
- Published various articles in various IT magazines.
- Industry-recognized speaker, an active member of various IT forums and participated in panel discussions on various topics like emerging technology, cyber security, digital transformation, cloud etc.



## International Training

---

- Attended three days international "The World CIO 200 Summit 2022" at Bangkok, organized by Global CIO Forum in Nov 2022.
- Attended three days international CIO conference at Colorado Spring US, organized by IDG group USA August 2019. IDG is the world's leading technology media, data and marketing services company which has presence in 97 countries with expertise in evaluating IT projects across sectors. This two-and-a-half-day executive-level symposium focuses on how to develop, implement and capitalize on innovation through keynotes, sessions, roundtables and briefings facilitated by IT and business experts.
- Attended 28 days Indo German Management Training Program (IGMTP) at Munich Germany in Feb 2018. This training program was designed by

Indian chamber of commerce and German chamber of commerce to promote cooperation between these countries.

- IAMA has partnered with Estonia and Finland (World leader in Cyber Security) and arranged Cyber Security Delegation visit to these countries. I was part of Cyber security delegation from 27th Nov to 1st December 2017 to visit leading business organizations and Government authorities in these countries. That delegation was headed by DG Cert-IN India.



## Certification

---

- Certified -THE WHITE BELT – A course on Cloud/ Datacenter Technologies and Operations Management – presented by Uptime Institute Powered by CIO KLUB and Yotta CIO Innovation Council. (Specialized course for CIOs/ CISOs) May 2021
- Certification in Remote Sensing & GIS Technology from IIRS-ISRO in 2020.
- Certification in Introduction of Artificial Intelligence in 2020.
- Certification in Introduction to Big Data and Hadoop in 2020.
- Certification in Statistics Essentials for Data Science in 2020.
- Certification in Red Hat Engineering Linux- RHEL5 in 2011.
- Certification in Information Security Management System Auditor/ Lead Auditor (ISO 27001:2005) from BSI India and Internal Auditor Training (ISO IEC 27001:2013) in Nov 2015.
- Certification in implementation of Information Security Management System (ISO 27002:2005) and from BSI India in 2008.



## Association and Affiliation

---

- Member of the core team responsible for creating reference architecture for Smart Grid and Smart City LITD 10 and LITD28 brought by the Bureau of Energy Efficiency.
- Member of a group of Digital Experts who would like to voluntarily contribute their time and knowledge for the benefit of small, medium and large companies that do not have access to expertise in digital technology and transformation to strengthen the bottom line of the economy. This initiative has started by the Confederation of Indian Industry (CII)
- Participate/conduct various workshops / Training on cyber security and Emerging Technology at various forums for college students and NGO.
- Members of Cyber Security Officers (CSO), CSO is cyber awareness arm of Gurgaon policy headed by ACP, Cybercrime.
- Member of various CIO forums like CIOKLUB, EliteCIO, ELITECISO, Eminent CIO of India, TekQ global forum, Global CIO forum by GEC media etc.



## Reference

---

Sh Saurabh Kumar, Head, India (GEAPP) , Ex-EVC, EESL group of Companies, Phone No- +91 9810246553

Sh Dinesh Kumar, CIO, Wave Infratech Noida, Ex- ED (IT) , NTPC Ltd,  
Email – dineshk@yahoo.com Phone No - +919811786702

Avaneesh Kumar Vats

## RESUME

### **Ashish Kumar**

Flat No. 8346,  
Janapriya Metropolis & Classic Homes,  
Erragadda, Moti Nagar  
Hyderabad  
Contact No. – 7045653113, 9215624586  
Email: ashish\_370@yahoo.com

### **Career Objective**

To give my best to every task given to me with proper utilization of the available resources & learn continuously for consistent growth & work for an organization where team work & co-ordination are of utmost importance.

**TOTAL EXPERIENCE: 13+ Years**

### **Working Experience**

1. Presently working as Manager (QA/QC) with **M/s Larsen & Toubro-Construction** a leader in EPC Construction.

#### **Projects:**

Posted at Mumbai City Surveillance (MCS) Project, Mumbai from April 2015 to May 2016 where company has providing CCTV surveillance system (6000 cameras approx.) across Mumbai City. Also, Command & Control centers, Data Centers & Viewing Centers were part of the project.

#### **Responsibilities:**

- 1) Overall responsible for quality related activities at the MCS project site.
- 2) It includes Pre-Dispatch inspection of various materials for the project.
- 3) Inward Material Inspection at warehouse & maintaining the record for the same & submitting the documents to the client.
- 4) Submitting the documents for the Partial Acceptance Test for the materials procured.
- 5) Preparing & implementing the SOPs for various site activities.
- 6) Vendor evaluation before placing the order.
- 7) Reviewing & Approving the MQP for the material inspections.
- 8) Site inspection of the work executed.

2. Worked as **Engineer (Ops Excellence)** from August 2009 to April 2015 with **M/s Tyco Fire & Security India Pvt. Ltd.** a world leader in Electronic security & Fire protection.

#### **Projects:**

- A) Posted at **Guru Gobind Singh Refinery, Bathinda** from November 2010 to April 2015 where company has provided **Electric Fencing** at Township at Bathinda (Punjab) & 33



**\*\*2\*\***

locations of Bathinda-Mundra cross-country pipelinedcfrgtne in 4 states of Gujarat, Rajasthan, Haryana & Punjab.

**Responsibilities:**

- 1) Here I was instrumental for getting the work done with desired quality by the client.
  - 2) Coordination with PMO, 7 site-in charge of the client & sub-contractor to get the work done.
  - 3) During various phases of the project cycle responsibilities included coordination for I&C, integration with other security vendors, site inspection by the client, closure of check-points & handing-over of the project site.
  - 4) Completed the warranty period successfully through sub-contractor.
  - 5) Also, coordinated for procurement & assist inspection of the material by the client.
- B) Also, led the Quality team at **Delhi International Airport Ltd. (DIAL) Project, New Delhi** where company has provided **Access Control System & Video Surveillance System** during August 2009 to October 2010.

My responsibilities included the following activities:

- 1) To inspect the material at the incoming stage & collect all the required documents (Test Certificates, Third Party Lab Reports etc.) from the vendors & arrange the Inward Material Inspection to get approval from the client.
  - 2) Responsible for the quality of the material & workmanship at site & to control & close the NCR.
  - 3) Raising Inspection Request (IR) for the site work to the client & getting approval at various stages of the work to achieve the targets.
  - 4) To maintain the Quality Records for incoming material & site inspections.
3. Worked as **Inspection Engineer** from May 2008 to August 2009 with **M/s Quality Services & Solutions, New Delhi** which provides Third Party Inspection services in various sectors i.e. Engineering & Technical, Agricultural Products & Edible oils, Minerals/ Ores/ Fuels / Chemical & Petroleum & ISO 9001 / 14000 certification.

**Responsibilities:**

Worked as **Inspection Engineer & tested various products** like Cables, Electrical Accessories, Switchgears (ACB & VCB), Pin, Disc & Guy Insulators, Conductors, LT Current Transformers, , 10 KVA & 16 KVA Distribution Transformers (Repairable), 990 KVA 11 KV/433V Oil type Distribution Transformers, LT Distribution Boxes, Electrical Panels, Junction Boxes, Stay Wire GI, GI Pipe earthing, Tinned Copper fuse wire, Heat Shrinkable Cable Jointing Kits for various sizes, RF Level Switch for water sump, GI & Black Steel Pipes, Wagon Loader, Truck Loader, Hydraulic Truck Unloader, Asbestos (Cement) Pipes etc. for various **Clients** like Reliance Energy Ltd., BSES, MPPKVVCL-Indore, MPMKVVCL-Bhopal, HPSEB-Shimla, Shriram EPC, K.S. Oils, IPH-Shimla, Dalmia Cement (Bharat) Ltd., Macawber Beekay etc.

**Project Handled:**

Also, worked as **Inspection Engineer** at the Project Site of **M/s K.S. Oils, GUNA (M.P.)** a reputed name in Edible Oils for inspection of various materials for Edible Oil Refinery, Oil Mill, Solvent, ETP & Seed House.

4. Worked as **Sr. Er. (Q.C.)** from February 2005 to May 2008 at **M/s Yamuna Power & Infrastructure Ltd., Jagadhri**, an ISO 9001:2008 company, manufacturer of Heat Shrink, Cold Shrink & Resin Cast type of Cable Jointing Kits & FRP Products,

**Responsibilities:**

- i) Responsible for Verification & Testing of Incoming materials, In-Process & Final Products by leading the team of Quality Engineers.
- ii) To co-ordinate with the production departments so that all the process parameters strictly adhered to as per plan.
- iii) Maintaining the Quality records in ERP system also.
- iv) Responsible for Pre-Dispatch Inspections.
- v). Responsible for timely calibration of all the measuring & testing instruments & gauges of the Quality & R & D Labs.
- vi) To fill the vendor registration forms & to co-ordinate at the time of Vendor-survey.
- vii) Do Quality Rating (QR) as per ISO 9001-2000 of all the suppliers.
- viii) Responsible for preparation of Quality Plans.

**Qualification**

- September 2004 : PG Diploma in Digital System Design from University of Pune, Pune & scored 68.9%
- June 2003 : B.Tech Degree in Electronics & Instrumentation Engineering from M.M. Engineering College, Mullana (Ambala) & scored 69%.
- June 1999 : Diploma in Industrial Electronics & Instrumentation Engineering from S.J.P. Polytechnic under State Board of Technical Education Haryana & scored 74%.

**Certifications**

- : Certified **Internal Auditor for QMS (ISO 9001:2015)** from M/s TUV-India Pvt. Ltd.
- Certified **Internal Auditor for ISMS (ISO 27001:2013)** from M/s Synergy Business Management Solutions.

**Trainings**

- : Two months training at Bhabha Atomic Research Centre, Mumbai.
- : One & a half months training at M/s Ballarpur Industries Ltd. (Power Plant) at Yamuna Nagar.
- : Six months training at M/s Ballarpur Industries Ltd. (Paper Machine) at Yamuna Nagar.

**Strengths**

- : Positive Attitude, Adapting To Changing Conditions, Commitment Towards Work, Can Work Under Pressure

**Awards And Achievements**

- Received the FY12 - “Outstanding Operational Excellence & Customer Service-IPPOG” Award.

\*\*\*4\*\*

- Received the Q3-FY12 - “Outstanding Performance-Operations” Award.

**Personal details**

Date of birth : 28-08-1978  
Nationality : Indian  
Marital status : Married  
Languages known : English, Hindi, Punjabi.  
Permanent Address : H. No. 2080, Sri Nagar Colony,  
Jagadhri (Haryana)  
Passport No. : E5099868

(Ashish Kumar)

# CURRICULUM VITAE

## Education:

**Ph.D. (Electronics)**, Doctorate from VJTI Mumbai (Affiliated to Mumbai University) in 2019.

**M.Tech (Electronics)**, Shri Guru Govind Singhji Institute of Engineering & Technology, Nanded (An Autonomous Institute of Govt. of Maharashtra) Affiliated to SRTMU, Nanded (2010)

**B.E. (Electronics & Telecommunication)**, with First Class from Government Engineering College, Amravati affiliated to Saint Gadgebaba Amravati University, Amravati (2006).

**GATE Examination Qualified:** - **1)** 2007 with *AIR- 3000*, **2)** 2009 with *AIR- 2212*, **3)** 2011 with *AIR 766* **4)** 2012 with *AIR 832*.



## Personal Information:-

**Name:-** *Rahul Ramdas Ingle*

**DoB:-** *08 June, 1985*

**Contact No:-** *9730761090,7588496103*

**Email Id:-**  
*1) rahulingle92@gmail.com*  
*2) rringale@vjti.org.in*

**Languages Known:-** *Marathi, English, Hindi*

**Computer Proficiency:-** *MSCIT, MATLAB, SCILAB, PYTHON, Open CV, C/ C++ language.*

**Nationality:-** *Indian*

**Address:-**  
*s/o RAMDAS D INGLE*  
*JAWAHAR NAGAR, VMV ROAD,*  
*AMRAVATI-444604.*

**Work Experience:** Total experience: - 131 months ( 10 years, 11 months)

<b>Sr. No.</b>	<b>Name of the Employer</b>	<b>Period of service in each post (Duration in Months)</b>		<b>Designation of post held</b>	<b>Nature of work and level of responsibilities</b>
		<b>From</b>	<b>To</b>		

1	<b>V.J.T.I., MUMBAI</b> <i>(An autonomous institute of Govt of Maharashtra)</i>	18.04.2011	Till Date	Lecturer (Selection Grade)	Teaching, Lab Development, Administrative work.
2	<b>Sipna's College of Engineering and Technology, Amravati</b>	01.01.2010	15.04.2011	Assistant Professor	Teaching, Lab development activity.
3.	<b>HVPM College of Engineering and Technology, Amravati</b>	16.04.2007	28.07.2008	Lecturer	Design & Developments in Real Time Environments.

### Ph D Thesis:

#### ***Impact Analysis of Meditation on EEG signals: A Case Study***

*Under Guidance of Prof R. N. Awale, Professor, VJTI, Mumbai India.*

### Active Research Area:

- *Data Analytics, Data Science and Machine Learning*
- *Electronics Devices and Circuits*
- *Digital Signal Processing, Digital Image Processing*
- *Network Analysis, Control System , Signals & System*

### List of PUBLICATION:

1. ***A Unique Approach of Noise Elimination from Electroencephalography Signals between Normal and Meditation State***, R.R.Ingle, R N Awale, *International Journal of Engineering-Transactions B: Application* , doi:10.5829/ije. 2018.31.04a.06 Published in 2018 (SCI and Scopus Indexed Journal).
2. ***Classification of EEG Signals during Meditation and Controlled State Using PCA, ICA, LDA and Support Vector Machines***, Rahul Ingle, Sonal Oimbe, Vikram Kehri, R N Awale, *International Journal of Pure and Applied Mathematics* Volume 118 No. 18 2018, 3179-3190. (Scopus Indexed)
3. ***Detection of Soil Water Content Using Continuous Wave Ground Penetrating Radar***, Sonal Oimbe, Rahul Ingle, Shashikant Sahare, R N Awale, Published in R Ingle, RN Awale - JOIV: *International Journal on Informatics Visualization*, 2018, doi:- 10.30630/joiv.2.1.104 (Scopus Indexed)
4. ***A Review on Classification of EEG Signals of Different States***, Rahul Ingle, Digambar Puri, Vikram Kehri, RN Awale, *International Journal Of Scientific Progress and Research (IJSPR)*, Volume-12, Number - 01, 2015
5. ***Epileptic Seizure Detection using Discrete Wavelet Transform based Support Vector Machine***,

Prashant Deshmukh, Rahul Ingle, Vikram Kehri, R N Awale Published in *IEEE conference ICCSP-ASP* in January 2007.(Scopus Indexed)

6. **Comparative Classification of EEG signals during Vipassana Meditation using wavelet transform**, R R Ingle and R N Awale, submitted to *Elsevier Journal of Biomedical Signal Processing and Control*, August 2019. *Accepted*. (Scopus and SCI Indexed)
7. **Support Vector Machine based Classification of EEG Signals For Alcoholic and Controlled state using Wavelet Packet Transform**, R R Ingle, Sonal Oimbe, R N Awale , Published in International Conference of Signal Processing, Goa held by Technical Research Organization of India (TROI). *Conference proceeding at IJACET* with ISSN (PRINT):2394-3408,(ONLINE):2394-3416,VOLUME-3,ISSUE-6,2016.
8. **Techniques of EMG signal analysis and classification of Neuromuscular diseases**, Vikram Kehri, Rahul Ingle, Sonal Oimbe, R N Awale, Published in *Atlantis Press of ICCASP- 2016 held at DBATU, Lonere*.
9. **Wavelet Packet Sub-band Based Classification of Alcoholic and Controlled State EEG Signals**, Digambar Puri, Rahul Ingle, Pramod Pramod Kachare, R N Awale, Published in *Atlantis Press of ICCASP- 2016 held at DBATU, Lonere*.
10. **Analysis of EEG signals during meditation using Wavelet Transform**, R R Ingle and R N Awale, *IEEE Journal of Signal Processing*, Sept 2014.
11. **Performance Model for Fast Fourier Transform**, R R Ingle and R N Awale, *International Journal on Signal Processing (IJSP-2013)*, vol. 8, issue 3, 36-42, March 2013.

### Project Completed:

- Successfully completed **MODROB project by AICTE** for Communication Laboratory for the year 2012-2014 from AICTE worth grant of Rs. 14 lac.
- Successfully Set up **Biomedical Research Lab** (Under Government of Maharashtra Grant worth Rs.5.18 Cr) as Co-Principal Investigator.
- Currently working on the Project “Impact of Meditation on EEG signals” as Principal Investigator funded by **PORTESCAP Ltd, Andheri** (Corporate Social Responsibility (CSR Fund) of Rs. 18 Lac).
- Successfully completed the Project “Effect of Different aroma in EEG signals” as Principal Investigator funded by **Marico Ltd, Andheri** (Corporate Social Responsibility (CSR Fund) of Rs. 18 Lac).

### Other Activities:

- **Lab Incharge of Communcation Laboratory** in Autonomous VJTI Mumbai 2011-Till date.
- **NBA coordinator** of Electronics Stream at Department.
- Worked as **Sub District Liaison Officer** for conducting MT-CET Exam 2013 in Mumbai City for Government of Maharashtra.
- Merit List verification Officer in RO DTE Mumbai for year 2012, 2013.
- Member of **AICTE Inspection team** for different Engg. Colleges in India.
- Member of **DTE committee** for inspection of Diploma Courses.
- Life member of **ISTE and IETE**.

- *Member of IEEE.*
- *Working as a **Sub District Liason Officer** for Conducting MHT-CET Exam 2017 in Mumbai City for Government of Maharashtra.*
- ***Consultant** for Brihan Mumbai Municipal Corporation (BMC) for calibration of weighing machine at dumping yard Deonar.*

### **Workshop Conducted for VJTI:**

- *Coordinator for TEQIP Sponsored two week Workshop on “**Signal and Image Processing with wavelet**” from 16<sup>th</sup>-25<sup>th</sup>, Dec 2013 in VJTI Mumbai and generated a total revenue of Rs. 1,05,000/- for institute.*
- *Coordinator for four days Training Programme on , “**TEQIP MIS**” by NPIU/SPFU Maharashtra state on 10<sup>th</sup>- 13<sup>th</sup> , March 2014 at VJTI Mumbai.*
- *Coordinator for one day Training Programme on , “**TEQIP eFMR**” by NPIU/SPFU Maharashtra state on 16<sup>th</sup>,April 2014 at VJTI Mumbai.*
- *Coordinator for one week **International Workshop** under TEQIP II on “**25 YEARS OF PASSIVITY BASED CONTROL: NEW VISTAS**” in VJTI Mumbai from 19<sup>th</sup>-23<sup>rd</sup>, May 2014.*
- *Coordinator for one week TEQIP Sponsored workshop on “**A GEOMETRIC APPROACH TO THE MODELLING AND CONTROL OF MECHANICAL SYSTEMS**”, at IIT Bombay For VJTI Mumbai from 5-9 May 2014.*
- *Coordinator for one week TEQIP Sponsored workshop on “**Networked and Embedded Control for Complex Systems**”, by IIT Madras at VJTI Mumbai from 15-19 Dec 2014.*
- *Coordinator for one week TEQIP Sponsored workshop on “**Nonlinear & Optimal Control**”, by IIT Bombay at VJTI Mumbai from 24,25,26, 31 Jan & 1 Feb 2015.*
- *Coordinator for One week AICTE Sponsored QIP on “**Biomedical Instrumentation & Signal Processing**” on 29<sup>th</sup>Feb- 5<sup>th</sup> March 2016 at VJTI Mumbai.*
- *Coordinator for One week AICTE Sponsored QIP on “**Antenna, RF & Microwave System Design**” on 8- 13 March 2016 at VJTI Mumbai.*
- *Coordinator for One week AICTE Sponsored QIP on “**High Voltage & Partial Discharge**” on 14-19 March 2016 at VJTI Mumbai.*
- *Coordinator for One week AICTE Sponsored QIP on “**New Trends in Biomedical Signal Processing**” on 16-21 Jan 2017 at VJTI Mumbai.*
- *Coordinator for Conducting Two days SPFU, Government of Maharashtra sponsored workshop on “**Finance and Accounts**” on 8-9 Feb, 2017.*

- *Coordinator for conducting Two Weeks AICTE Sponsored QIP on “Machine Learning application for Engineers”.*

**Rahul Ingle**