

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) rahulinge92@gmail.com
2) rringle@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)

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

1	V.J.T.I., MUMBAI <i>(An autonomous institute of Govt of Maharashtra)</i>	18.04.2011	Till Date	Lecturer (Selection Grade)	Teaching, Lab Development, Administrative work.
2	Sipna's College of Engineering and Technology, Amravati	01.01.2010	15.04.2011	Assistant Professor	Teaching, Lab development activity.
3.	HVPM College of Engineering and Technology, Amravati	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 16th-25th, 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 10th- 13th , March 2014 at VJTI Mumbai.*
- *Coordinator for one day Training Programme on , “**TEQIP eFMR**” by NPIU/SPFU Maharashtra state on 16th,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 19th-23rd, 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 29thFeb- 5th 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