



Name of Faculty : Deepak S. Kurule (M.E. - E & TC)
Designation : Assistant Professor

Email: deepakkurule@ternaengg.ac.in

Address for Correspondence: Sector - 15, D7/02, Kharghar, Navi Mumbai - 410210.

Professional Qualification:

- **Master of Electronics & telecommunication, 2006.**
Mumbai University, Maharashtra
- **Bachelor of Electronics Engineering, 1996.**
Dr. B. A. M.U. Aurangabad University, Maharashtra.

Short Biodata: · *Area of Interest: Wired & wireless communication, Mobile Communication, Digital Technique & Digital Communication, Network Theory, Coding Theory, Data compression Technique, Optical Subjects of interest: Digital Technique, Digital communication, Network Theory, Television & Vide Optical Fiber, Wireless Communication, Mobile Communication, Error Correcting Code, Data Compression Method.*

Patents/ Products/ Consultancy:

Products Developed:

Patents:

Patent Details: Name of Institute : Terna Engineering College, Nerul, Private, Area - Biomedical, Application – Filled Topic - INTELLIGENT HEALTH MONITORING SYSTEM Date of Filling - 07-06-2020 Application No. 202021023854 Date of Publication -24/7/2020 FER – Waiting Patient converted to Product – No Indian IPR Name of Inventor: Deepak Kurule – Application Details - Application filed at Indian Patent office.

Consultancy Projects:

- 1.

Reviewer:

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Major Subjects:

- Write Here

Citation Analysis:

List of Publication:

Journal Publications:

1. Write Here

Conferences and Workshops Publications:

1. National Conference:

1. **“Handoff in cellular Mobile CDMA System”** 25, Feb. 06, at D.J. Sanghavi College of Engineering, Mumbai.
2. Shubhechha Rane, Dr. L. K. Raha, Deepak Kurule, “Analysis of Mamdani and Sugeno Fuzzy Inference System for Destroying Multiple Target at High Angle of Attack using Simulink”, IEEE International Conference on International conference of Electronics, Communication and Aerospace Technology (ICECA 2017), Coimbatore, India, ISBN 978-1-5090-5684-2.
3. Shubhechha Rane, Dr. L. K. Raha, Deepak Kurule, “Performance of Mamdani Fuzzy Inference System for Tracking Multiple Targets Using Autopilot System”, International Journal of Electrical and Electronics Research, volume: 5, Issue: 1, ISSN 2348-6988(online).
4. Shubhechha Rane, Dr. L. K. Raha, Deepak Kurule, “Evaluation of Sugeno Fuzzy Inference System performance to track multiple targets using Autopilot System”, Imperial Journal of Interdisciplinary Research(IJIR), Volume-3 , Issue-4 , 2017, ISSN:2454-1362
5. Shubhechha Rane, Dr. L. K. Raha, Deepak Kurule, “Comparison between the performances of Mamdani versus Sugeno Fuzzy Inference System for Tracking Multiple Targets Using Autopilot System”, International Conference on Recent Innovations in Electrical, Electronics, Computer and Mechanical Engineering, Mumbai, India, ISBN: 978-93-85832-29-1.

2. International Conference:

1. **“The analysis of OFDM as Modulation Technique”** 02-03 Jan. 09 at VESIT Mumbai.

3. FDP, STTP, Seminars, Conferences Workshops & Quizzes Attended :

- 1) Two days **Seminar** On **“Challenges Ahead In Telecommunication”**, At D.J. Sanghavi College of Engineering, Mumbai. (7 & 8 Oct. 2005) .
- 2) **National Conference** On **“Information and Communication Technology” (Recent Trends & Future Challenges)** At D.J Sanghavi College of Engineering, Mumbai. (24 – 26 Feb. 2006).
- 3) **STTP** On **“Wireless Technologies & Networks”** At D.J Sanghavi College of Engineering, Mumbai. (05 – 16 Dec. 2005).

- 4) **STTP** On “**Recent Advances In Wireless Communication**”, At Dr. B.A.T.U. Lonere. (20- 25 March 2007).
- 5) **STTP** on “Advanced Communication System”at TernaEngg. NerulNavi Mumbai. (14th July to 18th July, 2008).
- 6) **Workshop** on “**Environmental Studies**” (EVS) At University of Mumbai & Somya Vidyavihar.(6th to 8th Aug. 2009).
- 7) **STTP** on “**Design & Implementation of Modern Filters**” at TernaEngg. NerulNavi Mumbai.(30th Nov. to 4th Dec, 2009).
- 8) **STTP** on “**Present & Future Trends in Wireless Technology**”at TernaEngg. NerulNavi Mumbai.(17th Jan to 21st Jan, 2012).
- 9) **One Week FDP** on ““Research, Funding Projects & IPR ” at join tly organized by IQAC, R & D Cell & Dept. of Electronics & Telecommunication under the banner of IETE and Institution's Innovation Council (IIC) of K. C. College of Engineering and Management Studies and Research, Thane (E) from 7th - 10th May, 2020.
- 10) **One Week FDP** on “Advances in Internet Of Things”, organized by Department of Electronics and Computer Science at Fr. Conceicao Rodrigues College Of Engineering, Bandra from 29th May to 2nd June, 2020.
- 11) **One Week FDP** on “Fundamentals of AR using VUFORIA &IoT using THINGWORX Jointly organized by INFINITYX Tech system pvt. Ltd & comp. dept. TEC, Nerul, Navi Mumbai. 8th May to 13th May 2020.
- 12) **One day FDP** on “TCS Research Capabilities and Innovation” By TEC, Nerul, Navi Mumbai held on 14-May-2020over Webex(Digital Mode)
- 13) **One Week STTP** On “Signal Analysis, Machine Learning & Its Application using PYTHON & MATLAB” By RAIT Nerul, Navi Mumbai. 1st June to 5th June 2020.
- 14) **One Week STTP** on “Sensor, IoT& Machine Learning” from 1st June 2020 to 5th June 2020 conducted by, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.
- 15) **One Week STTP** on ““MATLAB based Teaching-Learning in Mathematics, Science & Engineering”. This STTP was organized by the Department of Electronics Engineering, RamraoAdik Institute of Technology, Nerul, Navi Mumbai in collaboration with Design Tech Systems Pvt. Ltd., Mumbai during 18th to 22nd May 2020.
- 16) **One Week International FDP** on “Skilling Teacher for On Line Education” By UKA University during 2nd June to 6th June 2020.
- 17) **One Week FDP** on “Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19” from 25th to 30th May 2020 organized by Department of Electronics Engineering in association with Institution’s Innovation Council (IIC) of Vivekanand Education Society's Institute of Technology.

18) **One day webinar** on “Creating Interactive e – Learning Content” by Universal college of Engineering Vasai Mumbai on 1st June 2020.

19) **One day Webinar** on “IOT Applications” by EndEyes on 10th June 2020.

20) **One day Webinar** on “Worlds Largest Sales Training” by K.C. College, Thane, Mumbai on 31st May 2020.

21) **One day Webinar** on ““ICT tools for Online Teaching” organised by Rotary Club of Koparagon Central in association with Sanjivani COE, Dept. of MBA, Kopargaon on 5/15/2020, passing score of 100%.

22) **Two days Webinar** on “Recent Trends in Microwave Engineering & Internet of Things by DJSCE , Mumbai on 6th June to 7th June 2020.

23) **Two day Seminar** on “Outcome Based Education (OBE)” organized by IETE Navi Mumbai Centre from 19th to 20th June 2020 supported by IETE HQ., New Delhi.

24) **Quiz on** “Environment & its Significances “on World Environmental Day by LNCT on 5th June 2020.

25) **Webinar on** “Creating Your on line digital Presence” organized by LTCOE, Koperkhairne, Navi Mumbai. On 26 June 2020.

26) **Webinar on** “Applications of Specialty Optical Fibers” organized by MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY Anna University, Chennai on 26th June 2020.

Research and Scholarly Contributions:

➤ **Ph.D. Research:**

➤ **M. E. Research:**

Funding Received:

Software Tools:

1. MATLAB,

Professional Association:

➤ Indian Society of Technical Education (ISTE) - Life Member

Experience:

➤ 25 Years

Responsibilities Handled:

- Approved P.G. Faculty (EXTC) in Mumbai University
- U..G. Coordinator,
- P.G. Coordinator
- Coordinator for B.E. Projects,
- Coordinator for M.E. Projects,
- Active Member of New courses Proposals.
- Active Member of National Conference, STTP programmes. .
- National Conference Equinox -2010 & National Conference Equinox 2011,
- Terna Engineering College, Nerul, Navi Mumbai
- TEC Sports Programme Coordinator.
- Guided more than 30 B.E. projects. Guided ME – Projects.

Talks/Guest Lectures Delivered:

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SESSION CHAIR/JUDGE:

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Declaration

I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

Faculty Name: Deepak S. Kurule

Place: Navi Mumbai