

CURRICULUM VITAE

Tilottama P. Dhake

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Mumbai 400607.

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Academics:

S.S.C.

Nasik Board

Year: 1996

Class / Marks Obtained: 69%

H.S.C.

Nasik Board

Year: 1998

Class / Marks Obtained: 72.89%

B.E. (Electronics and Telecommunication)

J.T. Mahajan College of Engineering, Faizpur

North Maharashtra University, Maharashtra

Year: 2002

Class Marks Obtained: 64 % (First Class)

M.E. (Electronics and Telecommunication)

Terna College of Engineering, Nerul

Mumbai University, Maharashtra

Year: 2011

Class Marks Obtained: 70% (Distinction)

Teaching Experience:

Total Teaching Experience: 17 Years

| College Name | Department | Post | Date of Joining | Date of Leaving |
|---|-----------------------------------|---------------------|-------------------------------|---------------------------|
| J.T. Mahajan College of Engineering, Faizpur | Electronics and Telecommunication | Lecturer | 8 th August 2002 | 31 th May 2005 |
| K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai | Electronics and Telecommunication | Assistant Professor | 23 rd January 2006 | Till Date |

Achievements:

Major /Minor Research Sanction Letters/Patent Details/Consultancy Details.

| Sr. No. | Name of the Project/ Consultancy | Grant Worth (Rs.) |
|----------------|--|--------------------------|
| 1 | Received minor Research Grant from University of Mumbai in 2014 “Performance Measure, Analysis and Comparison Of System Level Simulation Based LTE And WiMAX 4G Cellular Technology for Telecommunication System” Principal Investigator : Mrs. Tilottama P. Dhake | 25000/- |
| 2 | Received minor Research Grant from University of Mumbai in 2018 for “Development of an Arduino-based Nano satellite”, Co-Investigator: Mrs. Tilottama P Dhake. | 45000/- |

| Sr. No. | Awards/Recognition Received | Date | Venue |
|----------------|--|--|--------------|
| 1 | Letter of Appreciation for coordinating “ 2 nd International Conference on Advances In Science & Technology-(ICAST-2019)” In Association With The Institution Of Engineering And Technology (The IET, India) & University Of Mumbai | April 8 - 9, 2019 | KJSIEIT |
| 2 | Letter of Appreciation for coordinating “ 1 st International Conference on Advances In Science & Technology-(ICAST-2018)” In Association With The Institution Of Engineering And Technology (The IET, India) & University Of Mumbai | April 6 - 7, 2018 | KJSIEIT |
| 3 | Letter of Appreciation for one day drive on “Enter into the world of Engineering Education” | 1 st Sept 2016 | KJSIEIT |
| 4 | Letter of Appreciation for organizing the Summer Internship Program on “Raspberry Pi with Linux” | 7 th July to 15 th July 2015 | KJSIEIT |
| 5 | Letter of Appreciation for organizing the Summer Internship Program on “Quad copter-the UAV” | 30 th June to 7 th July 2015 | KJSIEIT |
| 6 | Letter of Appreciation for coordinating the STTP “Mobile Technology: Current Trends and Future Directions” | 31 st May to 4 th June 2010 | KJSIEIT |
| 7 | Letter of Appreciation for Highest Result for “Analog Communication” | 2015-16 | KJSIEIT |
| 8 | Received book as a token of appreciation for Highest Result for “Analog Communication” on Engineering Day | 2014-15 | KJSIEIT |
| 9 | Letter of Appreciation for Highest Result for “ Mobile Communication” | 2013-14 | KJSIEIT |

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| 10 | Letter of Appreciation for excellent performance in ME and Classroom Teaching | 15 th September 2011 | KJSIEIT |
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Teaching Experience and number of subject taught

| Sr. No. | Department | Subjects taught | Class & Semester | No. of Times |
|--|--|---|------------------|--------------|
| 1 | Electronics and Telecommunication | Principles of Communication Engineering | SE IV | 08 |
| 2 | | Internet and Voice Communication | BE VIII | 01 |
| 3 | | Analog Communication | TE V | 05 |
| 4 | | Computer Communication Networks | TE VI | 03 |
| 5 | | Analog Electronic I | SE III | 04 |
| 6 | | Analog Electronic II | SE IV | 01 |
| 7 | | Software Simulation Laboratory | SE IV | 02 |
| 8 | | Mobile Communication System | BE VII | 02 |
| 9 | | Digital Telephony | TE VI | 04 |
| 10 | | Principles of Communication System(old) | SE IV | 04 |
| 11 | | Microelectronics | TE V | 05 |
| 12 | | Electronic Devices and Circuit I (old) | SE III | 03 |
| 13 | | Electronic Devices and Circuit II (old) | SE IV | 01 |
| Total Exp. = 17yrs Academics = 17yrs Industry= 00 | | | | |

Responsibility Handled:

| Sr. No. | Position Details | University/ Institute/ Department | Duration |
|---------|------------------|-----------------------------------|----------|
|---------|------------------|-----------------------------------|----------|

| | | | From | To |
|----|--|------------|-----------------|-----------|
| 1 | Member AICTE | Institute | 2014 | Till Date |
| 2 | Member WDC/WGC | Institute | 2014 | Till Date |
| 3 | Coordinator ISTE | Institute | 2014 | Till Date |
| 4 | Member Scrap of Equipment | Institute | 2014 | Till Date |
| 5 | Coordinator IEEE | Institute | 2016 | 2017 |
| 6 | Alumni Coordinator | Institute | 2009 | 2014 |
| 7 | CAS Coordinator | Institute | December 2015 | |
| 8 | Mandatory Disclosure | Institute | 2014 | 2016 |
| 9 | Coordinator DQAC | Department | 2016 | Till Date |
| 10 | Laboratory In charge | Department | 2009 | Till Date |
| 11 | Time Table In-charge | Department | ODD SEM 2007-08 | - |
| 12 | Term Test Coordinator | Department | 2012 | - |
| 13 | Quality Circle File (Activity File) Incharge | Department | 2015 till date | - |

Testimony for STTP/Workshops/Seminar/ Industrial visit/ Expert talk etc.

| Sr. No | Name of STTP/Workshops Seminar/Expert talks / Industrial Visits etc. | Date | | Venue | Attended(A)) Organized (O) Delivered (D) | Duration |
|-------------|--|-------------|-------------|--------------|--|----------|
| | | From | To | | | |
| STTP | | | | | | |
| | FDP on Recent Trends and Development Modern Antenna RFand Microwave System | 1 July 2019 | 6 July 2019 | KJSIEIT,Sion | A | one week |

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|--|---|--------------------------------------|--------------------------------------|---|---|----------|
| | One Day Workshop on Cooperative Learning and Flip Class Analysis | 14 Oct 2019 | - | KJSIEIT,Sion | A | One Day |
| | Design and Development of virtual laboratory experiments | 4 and 6th Dec 2019 | 4 and 6th Dec 2019 | KJSIEIT,Sion | A | Two Days |
| | FDP on Machine Learning for Image Audio Video Analysis and IoT | 9 Dec 2019 | 14 Dec 2019 | KJSIEIT,Sion | A | one week |
| | MATLAB Learning Onramp | 10 Dec 2019 | - | online | A | |
| | LaTeX workshop | 27/4/2020 | 1/5/2020 | Pillai College of Engineering | A | 5 days |
| | "Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation Certificate | 5-5-2020. | - | Sinhgad Institute of Technology and Science,Narhe,Pune | A | - |
| | IT & IPR | 5 May 2020 | 8 May 2020 | LR Tiwari COE, Thane | A | 4 Days |
| | Technology Advancement, VCET | 5 May 2020 | 9 May 2020 | Vidyavardhini's College of Engineering and Technology - Vasai | A | 5 days |
| | FDP on Research funding and IPR | 7 May 2020 | 10 May 2020 | KCE Thane | A | 4 Days |
| | FDP for Teachers Version 2.0 | Wednesday, 13 th May,2020 | Wednesday, 14 th May,2020 | by North Storm Academy @ 11:00 am | A | 2 Days |

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|--|---|-------------------------|------------|--|-------|---------|
| | Careers in Data Science and AI | Wednesday,13th May,2020 | - | LR Tiwari COE, Thane | A | 1 Day |
| | 5G- The next generation communication | 14 may 2020 | - | VIT Wadala | A | 1 Day |
| | MHRD 5 -15 Sessions | 4 May 2020 | | MHRD IIC cell KJSIEIT | A | 11 Days |
| | FDP on Network Simulator (NS2) | 1/3/19 | 2/3/19 | KJSIEIT, Sion | O & A | 2 Days |
| | Inclusion of Nanotechnology in Various Commercial Arena | 2/7/2018 | 7/7/2018 | KJSIEIT, Sion | O & A | 1 week |
| | Mobile Technology: Current Trends And Future Directions | 31/05/2010 | 04/06/2010 | KJSIEIT, Sion | O | 1 week |
| | | | | | | |
| | Trends In Computer Networking | 07/07/2008 | 18/07/2008 | Datta Meghe College of engineering, Airoli | A | 2 week |
| | | | | | | |
| | Recent Trends in Wireless Networks | 02/01/2019 | 07/01/2019 | D J Sanghavi College of Engineering, Vile Parle (West), Mumbai - 400 056 | A | 1 week |
| | Internet of Thing | 02/01/2018 | 05/01/2018 | PVPP, Sion | A | 1 week |
| | Cloud computing and big data analytics | 10/11/2014 | 14/11/2014 | KJSIEIT, Sion | A | 1 week |
| | Research Career Success And Survival Tips | 11/03/2011 | 12/03/2011 | FCRCE, Bandra | A | 1 week |
| | Mobile Technology: Current Trends And Future Directions | 31/05/2010 | 04/06/2010 | KJSIEIT, Sion | A | 1 week |

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| | Neural Networks And Fuzzy Systems | 4/01/2010 | 8/01/2010 | KJSIEIT, Sion | A | 1 week |
| | Design And Implementation Of Modern Filters | 30/11/2009 | 4/012/2009 | Terna Engineering college, Nerul | A | 1 week |
| | Latest Trends In Signaling Systems | 23/11/2009 | 27/11/2009 | Don Basco Institute of Technology, kurla | A | 1 week |
| | Wireless Communication And Networking | 13/07/2009 | 17/07/2009 | KJSIEIT, Sion | A | 1 week |
| | Microwave Integrated Circuits And Design | 8/01/2007 | 14/01/2007 | KJSIEIT, Sion | A | 1 week |
| Workshops | | | | | | |
| 1 | Smart city through Embedded & IOT applications | 06/08/2016 | 7/08/2016 | KJSIEIT | O | 1 week |
| 2 | Smart city through Embedded & IOT applications | 07/07/2016 | 8/7/2016 | KJSIEIT | O | 1 week |
| 3 | Raspberry Pi with Linux | 07/07/2015 | 15/7/2015 | KJSIEIT | O | 1 week |
| 4 | Quad copter-the UAV | 30/06/2015 | 07/7/2015 | KJSIEIT | O | 1 week |
| 5 | Analog Instruments | 15/09/2014 | -- | KJSIEIT | O | 1 week |
| 6 | LINUX | 2011 | -- | | O | 1 week |
| 7 | Local Electromagnetic for Modern Antennas, RF and Microwave Designs | 09/03/2018 | 10/03/2018 | KJSIEIT,Sion | A | 2 Days |
| 8 | IPC Process Criteria and Audit | 25/04/2016 | 29/4/2016 | KJSIEIT, Sion | A | 1 week |
| 9 | IPTEL Awareness | 8/01/2016 | - | KJSIEIT,Sion | A | 1 week |
| 10 | Computer Communication Networking Practical | 7/02/2015 | - | Dr. Ar Patel Institute of Technology | A | 1 Day |

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| 11 | rch Methodology & Related Open Source Tools | 17/12/2012 | /12/2012 | KJSIEIT, Sion | A | 1 week |
| 12 | t Practice In NS 2 | 27/12/2010 | /12/2010 | avier Institute of Engineering | A | 1 week |
| Industrial Visits | | | | | | |
| 1 | CETTM MTNL Powai | 26/02/2019 | - | CETTM MTNL Powai | O & A | 1 Day |
| 2 | CETTM MTNL Powai | 08/02/2018 | - | CETTM MTNL Powai | O & A | 1 Day |
| 3 | ICAR-CIRCOT, Matunga | 03/02/2018 | - | ICAR-CIRCOT, Matunga | A | 1 Day |
| 4 | GMRT ,Narayan gaon Pune | 27/01/17 | - | GMRT, Narayangaon Pune | O & A | 1 Day |
| 5 | All India Radio (AIR), Churchgate | 7/10/16 | - | AIR, Churchgate | O & A | 1 Day |
| 6 | All India Radio (AIR), Churchgate | 19/10/15 | - | AIR, Churchgate | O & A | 1 Day |
| 7 | Doordarshan | 3/3/2016 | - | Doordarshan Kendra, Warali | A | 1 Day |
| 8 | MTNL Powai | 15/9/2014 | - | MTNL, Powai | A | 1 Day |
| 9 | MTNL, Ghatkopar | 02/06/2010 | - | MTNL, Ghatkopar | A | 1 Day |
| 10 | Fabrication Lab IIT Powai | 11/01/2007 | - | IIT, Powai | A | |
| National Symposium | | | | | | |
| 1 | gelizing Internet Of Things (Iot) | 5/10/2015 | - | KJSIEIT,Sion | A | 1 day |

Papers Published or Presented in Journal /Conference (National and International) :

| Sr.No | Title of Papers | Name of the Conference/Journals | Volume Issue/ISSN/ISBN | Impact Factor |
|-------|---|--|--|---------------|
| 1 | Effect of Power Adjustment on Handover in Communication Network | International Journal for Research in Applied Science & Engineering Technology (IJRASET) | ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume 8 Issue IV Apr 2020- Available at www.ijraset.com | 7.429 |

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| 2 | Smart Electronic Voting Machine System | International Journal of Research in Engineering, Science and Management | Volume-3, Issue-4, April-2020 www.ijresm.com ISSN (Online): 2581-5792 | 4.308 |
| 3 | LAB EQUIPMENT DEMONSTRATION USING AUGMENTED REALITY | 2nd International Conference on Advances in Science & Technology (ICAST-2019) K. J. Somaiya Institute of Engineering & Information Technology, University of Mumbai, Maharashtra, India | SSRN 2019 papers.ssrn.com April 8, 2019 | Peer Reviewed |
| 4 | Android Based Student's Records Keeping System | 2nd International Conference on Advances in Science & Technology (ICAST-2019) K. J. Somaiya Institute of Engineering & Information Technology, University of Mumbai, Maharashtra, India | SSRN, 2019 papers.ssrn.com April 8, 2019 | Peer Reviewed |
| 5 | Monitoring System for Energy Meter | 1st International conference on Advances in Science and Technology (ICAST-18) 6th-7th April, 2018 | Published in journal Advances in Wireless and Mobile Communications (AWMC), ISSN 0973-6972, Volume 11, No.1 (2018) <i>Spl. Issue</i> | Peer Reviewed |
| 6 | Algorithm for Vertical Handover optimization in mobile network | 1st International conference on Advances in Science and Technology (ICAST-18) 6th-7th April, 2018 | Published in journal Advances in Wireless and Mobile Communications (AWMC), ISSN 0973-6972, Volume 11, No.1 (2018) <i>Spl. Issue</i> | Peer Reviewed |
| 7 | Energy Meter using X10 Protocol For Data Communication | International Journal of Recent Innovation in Engineering and Research(IJRIER 2017) | e- ISSN: 2456 – 2084 Volume 2, Issue 3; March 2017 | 3.605 |
| 8 | Multi-cell Virtual MIMO system in LTE | International Journal of Science and Engineering Research (IJSER 2016) | Volume7, Issue3, March 2016, ISSN2229-5518 | 4.2 |

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|----|--|--|---|-------|
| 9 | War Field Spying Robot using Wireless Camera | International Journal of Electrical and Electronic Research (IJEER 2016) | ISSN: 2348-6988, Volume-4 Issue-1, February 2016, Published By: Research Publish Journal Editorial office Lucknow. | 4.2 |
| 10 | Comparison Between WiMAX and LTE Based on System Level Simulation using NS2 | International Journal of Innovative Science and Modern Engineering (IJISME 2015) | ISSN: 2319-6386, Volume-3 Issue-2, January 2015, 63, Published By: Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd. | 2.49 |
| 11 | Comparison Based On Various Performance Parameters between Wimax and LTE Using Ns2 | International Journal for Technological Research In Engineering (IJTRE 2015) | Volume 2, Issue 6, February-2015 ISSN (Online): 2347 – 4718 | 4.62 |
| 12 | Comparison between WiMAX and LTE | International Journal of Computational Engineering & Management (IJCEM 2013) | ISSN: 2230-7893, Volume 16 Issue 2, March 2013. | 3.135 |
| 13 | Dynamic call management for congestion control in cellular network | International conference and workshop on Emerging trends in technology (ICWET2011) at Thakur college of engineering and technology, kandiwali, | ICWET2011 February 25-26, 2011. | 4.02 |
| 14 | Modeling latency for 3G mobile network | International conference and workshop on Emerging trends in technology (ICWET2011) at Thakur college of engineering and technology, kandiwali, | ICWET2011 February 25-26, 2011. Proceedings of the International Conference & Workshop on Emerging Trends in Technology February 2011 Pages 1365–1366 https://doi.org/10.1145/1980022.1980360 | 4.02 |

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| 15 | Dynamic call management for congestion control in cellular network | International conference on Science, Engineering and Spirituality (ICSES'10) | SES college of engineering, Navalnagar, April1-2, 2010. | - |
| 16 | Modeling latency for 3G mobile network | International conference on Science, Engineering and Spirituality (ICSES'10) | SES college of engineering, Navalnagar, April1-2, 2010. | - |
| | | | | |
| 1 | Dynamic call management for congestion control in cellular network | National conference on Nascent Trends in information and communication technology (Equinox 2010) at Terna college of engineering, Nerul, September 16-18, 2010. | Equinox 2010 September 16-18, 2010. | - |
| 2 | Integration of pricing scheme in congestion control in cellular network | National conference on Emerging Trends in Computer Technology (NCETCT 2009) at Sarswati college of engineering, Kharghar, December 21-22, 2009. | NCETCT 2009 December 21-22, 2009. | - |
| 3 | Soft Handover for 3G WCDMA Network | National conference on Recent trends in Engineering and Technology at Agnel Polytechnic, vashi, October 30-31, 2009. | October 30-31, 2009. | - |
| 4 | A new model for Service and Application Convergence in B3G/4G network | National conference on Recent trends in Engineering and Technology at Agnel Polytechnic, vashi, October 30-31, 2009. | October 30-31, 2009. | - |
| 5 | Dynamic call management for congestion control in cellular network | National conference on Innovations in electronics and information Technology at Vidyalankar Institute of technology, wadala, October 05-06, 2009. | October 05-06, 2009. | - |

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|---|--|---|-----------------------|---|
| 6 | Traffic Monitoring and its applications in 3G mobile network | National conference on Innovations in electronics and information Technology at Vidyalkar Institute of technology, wadala, October 05-06, 2009. | October 05-06, 2009. | - |
| 7 | Introduction to Power MOSFET and its Applications: An Overview”, | National conference on Recent Trends in Technology at JTMCOE, Faizpur, November 20-21, 2006. | November 20-21, 2006. | - |

Name & Signature