

**List of PhD students:****A) Graduated:**

| <b>Sr. No</b> | <b>Name of student</b> | <b>Title of thesis</b>   | <b>Year of completion</b> | <b>Other Guide/ Co-Guide</b>       | <b>Homepage</b>  |
|---------------|------------------------|--|---------------------------|------------------------------------|--|
| 1             | Mashuq Un Nabi         | Improved finite element modeling and computation schemes for electromagnetic and coupled systems | 2004                      | Guide - Prof. V. R. Sule           | Presently with Department of Engineering, IIT Delhi<br><a href="http://web.iitd.ac.in/~mnabi/index.html">http://web.iitd.ac.in/~mnabi/index.html</a>   |
| 2             | A. P. Agalgaonkar      | On viability and planning aspects of distributed generation                                      | 2006                      | --                                 | Presently with School of Electrical, Computer and Telecommunications Engineering, University of Wollongong, Australia<br><a href="http://www.elec.uow.edu.au/apqrc/people?p=agalgaonkara&amp;s=ars">http://www.elec.uow.edu.au/apqrc/people?p=agalgaonkara&amp;s=ars</a> |
| 3             | G. B. Kumbhar          | Application of coupled field formulations for analysis of intricate phenomena in transformers    | 2007                      | --                                 | Presently with Department of Engineering, IIT Roorkee<br><a href="https://www.iitr.ac.in/~EE/gkumbfee">https://www.iitr.ac.in/~EE/gkumbfee</a>   |
| 4             | S. Kore                | Electromagnetic welding of flat sheets   | January 2008              | Guide - Prof. P. P. Date (ME Dept) | Presently with Department of Mechanical Engineering, IIT Guwahati<br><a href="http://www.iitg.ac.in/sdk/">http://www.iitg.ac.in/sdk/</a>   |

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|----|-------------------|---|--------------|------------------------------|---|
| 5  | R. G. Karandikar  | Issues of price risk assessment in restructured power sector                        | June 2009    | Guide - Prof. S. A. Khaparde | Presently with Department of Electronics and Telecommunication Engineering<br><br><a href="#">Ramesh Gopal Karandikar - Faculty Profile (somaiya.edu)</a>   |
| 6  | P. M. Joshi       | Novel techniques for diagnosis of deformations in transformer windings              | March 2010   | --                           | Presently with Government of Engineering Karad<br><br><a href="https://scholar.google.com/citations?user=AjrGIUQAAA&amp;hl=en">https://scholar.google.com/citations?user=AjrGIUQAAA&amp;hl=en</a>   |
| 7  | R. S. Bhide       | Analysis of transformers and systems used in low-voltage high-current applications  | October 2010 | --                           | <a href="https://www.linkedin.com/in/ravindrabhide/">https://www.linkedin.com/in/ravindrabhide/</a>   |
| 8  | A. S. Bhangaonkar | Ultra-high frequency simulation, measurements and analysis of some corona phenomena | April 2011   | ---                          | Presently with University of Leicester, UK<br><br><a href="https://www2.le.ac.uk/departments/engineering/people/academic-staff/avinash-bhangaonkar">https://www2.le.ac.uk/departments/engineering/people/academic-staff/avinash-bhangaonkar</a> |
| 9  | Amit Bakshi       | Assessment of short-circuit strength of transformers                                | June 2013    | ---                          | Department of Electrical Engineering, Shiv Nadar University,<br><br><a href="#">Amit Bakshi   Department of Electrical Engineering (snu.edu.in)</a>   |
| 10 | K. Badgajar       | Deformation diagnostics of transformers   | October 2013 | ---                          | <a href="https://www.linkedin.com/in/dr-ketan-badgajar-78535919/">https://www.linkedin.com/in/dr-ketan-badgajar-78535919/</a>   |

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|----|-----------------------|--|--------------|--|---|
| 11 | Ajay Pal Singh Baghel | A Comprehensive Hysteresis Model for Grain Oriented Materials.   | 2015         | ---  | <a href="https://www.researchgate.net/profile/A_P_S_Baghel">https://www.researchgate.net/profile/A_P_S_Baghel</a>                                 |
| 12 | H. H. Sidhwa          | Ray Tracing in an Anisotropic Medium in the Context of Cloaking  | July 2016    | Co-Guide: Dr. R.P.R.C. Aiyar   | <a href="https://www.researchgate.net/profile/Harohaider_Sidhwa">https://www.researchgate.net/profile/Harohaider_Sidhwa</a>                       |
| 13 | J. Venkat             | Three stage solid state transformers: topologies, control and applications   | August 2017  | Guide: Prof. A. Shukla   | <a href="https://www.researchgate.net/profile/Venkat_Jakka">https://www.researchgate.net/profile/Venkat_Jakka</a>                                 |
| 14 | Rahul Bhat K          | Analysis of current interruption process in vacuum circuit breakers  | August 2019  | ---  | <a href="https://www.researchgate.net/profile/Rahul_Bhat4">https://www.researchgate.net/profile/Rahul_Bhat4</a>                                   |
| 15 | Subir Majumder        | Techno-Economic Analysis of Electricity Networks with Renewable Energy Sources and Storage Devices   | October 2019 | Guide: Prof. S. A. Khaparde, Other Co-Guides: Prof. A. P. Agalgaonkar, Prof. S. Perera, Prof. P. P. Ciufu, University of Wollongong, Australia | <a href="https://www.linkedin.com/in/subirmajumder91/?originalSubdomain=in">https://www.linkedin.com/in/subirmajumder91/?originalSubdomain=in</a> |
| 16 | Boggavarapu Sai Ram   | Comprehensive Modelling of Hysteresis in Circuit Models for Transformers   | October 2020 | ----   | <a href="https://www.researchgate.net/profile/B_Ram2">https://www.researchgate.net/profile/B_Ram2</a>   |
| 17 | Makarand M Kane       | Comprehensive Investigations into Electrical Characterization, Converter Topologies, and Electromagnetic Forces in Wire EDM for Semiconductors | July 2021    | Co-Guide: Prof. Himanshu J. Bahirat  | <a href="https://www.researchgate.net/profile/Makarand_Kane2">https://www.researchgate.net/profile/Makarand_Kane2</a>                             |

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|----|-------------------|---|------------------|--|---|
| 18 | Md. Maoyafikuddin | Effects of pulsed electric field on biological cells and vesicles           | January 12, 2022 | Guide: Prof. Rochish Thaokar, Dept of Chemical Engg                      | <a href="https://www.researchgate.net/profile/Joy_Md_Maoyafikuddin">https://www.researchgate.net/profile/Joy_Md_Maoyafikuddin</a> |
| 19 | Hrishitosh Bisht  | Application of wavelets and non-separable basis to electromagnetic problems |                  | Guide: Prof. V. M. Gadre, Other Co-Guide: Prof. M.B. Kokare, SGGS Nanded | <a href="https://www.researchgate.net/profile/Hrhitosh_Bisht">https://www.researchgate.net/profile/Hrhitosh_Bisht</a>             |

**B) Under Progress:**

| Sr. No. | Name of student   | Title of thesis (tentative)  | Guide/ Co-Guide                      | Homepage  |
|---------|-------------------|--|--------------------------------------|---|
| 1       | Greeshma Mohan U  | Comprehensive modelling of magnetic components for power electronic applications               | ---                                  | <a href="https://www.researchgate.net/profile/Greeshma_Mohan3">https://www.researchgate.net/profile/Greeshma_Mohan3</a>   |
| 2       | Krishna Kanakgiri | Duality based topological models for steady state and transient analysis of transformers       | ---                                  | <a href="https://www.linkedin.com/in/krishna-kanakgiri-643550198/?originalSubdomain=in">https://www.linkedin.com/in/krishna-kanakgiri-643550198/?originalSubdomain=in</a> |
| 3       | Ajay James Thomas | Modeling and synthesis of high energy density materials for reliable and efficient storage     | --                                   |   |
| 4       | Anagha E R        | Development of predictive methods to assess the insulation degradation in photovoltaic modules | Co-Guide: Prof. Narendra S Shiradkar | <a href="https://www.researchgate.net/profile/Anagha-E-R">https://www.researchgate.net/profile/Anagha-E-R</a>   |