

APRIL'22 - JUNE'22

NEWSLETTER

SARDAR VALLABHBHAI
NATIONAL INSTITUTE
OF TECHNOLOGY



DEPARTMENT OF ELECTRICAL ENGINEERING

Department of Electrical Engineering is one of the oldest departments in Sardar Vallabhbhai National Institute of Technology. The department actively conducts various academic and research activities throughout the year. This newsletter presents the brief about various activities carried out from April 2022 to June 2022.



📅 HIGHLIGHTS

- Research & Consultancy Projects - 03
- Research Publications
 - Journals - 31
 - Book Chapters - 06
 - Conferences - 20
- B. Tech Placements - 81%
- M. Tech Placements - 84%

Department Vision

To be the leading department disseminating globally acceptable education, effective industrial consultancy and relevant research output.

Department Mission

To be a global centre of excellence in technical education and innovation producing competent professionals with integrity.

Programme Educational Objectives

- Graduates will be able to solve engineering / industrial problems by employing various learning resources and modern tools.
- Graduates will be able to design products to meet social, economic and environmental demand by innovative ideas.
- Graduates will be able to investigate complex problems and take up research and development work in the allied fields.
- Graduates will be able to communicate effectively through oral and written presentation of technical reports, adopting lifelong learning with integrity and ethics; and they will have interpersonal skills required to lead and nurture diverse teams.



PROF. A.K.PANCHAL

Head, DoEE
SVNIT, Surat

Welcome to the Department of Electrical Engineering at SVNIT! Our department is well-known for the student-focused teaching-learning, engineering and technology practice-oriented research and education. Nearly 40 faculties and staffs are dedicated to impart their high-quality education and research experiences to our students and scholars to become leaders of the next generation of technocrats with the highest professional achievements. The curricula and well-equipped laboratories are designed for preparing the workforce to overcome the present and emerging technological challenges of the century.

As a research-oriented department, our research activities are extended to the major areas of Electrical Engineering, including power and renewable energy systems, power electronics and drives, instrumentation and control. Our faculty research is funded by several national and state agencies (SERB-DST, MeitY, CSIR, INAE, MHRD, GUJCOST, etc.). Our research in cutting edge of technology is published in the national and international referred journals with the IEEE, IET, Taylor & Francis, Elsevier, Springer and other reputed publishers. Our department offers testing and consultancy services to the nearby industrial belt HAZIRA, Surat Municipal Corporation, power distribution companies, etc.

With nearly 500 UG, 150 PG and 100 PhD scholars, we are one of the largest and most prestigious departments within the Gujarat state. Our graduates place themselves in prestigious positions in the corporate, government and educational institutions. Many fresh B. Tech. and M. Tech. graduates opt for higher education in the reputed international and national institutions (IISc, IITs, IIMs and others). We are dedicated to bring our education and research programmes to higher recognition in national and international level. I invite you to visit our website for exploring the department faculties, research activities and exciting opportunities that await you here at DoEE.

I am happy to present the 11th issue of the Department quarterly newsletter. The major parts of this collection include, short term training programmes organised (in the virtual mode), activities of Electrical Engineering Society, research publications and projects. I acknowledge the efforts of the committee members Dr. J. Venkataramanaiah, Dr. G. Sushnigdha and Dr. Suresh Lakhimsetty in the editing this issue. I also thank Mr. Jaydev Kamani, Ms. Devanshee Tanti, Mr. Raghav Nuwal and Ms. Dhruva Wankhade for assisting the committee members.

“Quality means doing things right and in time when no one is looking at you.” Henry Ford said for the successful business, and we do believe and follow it.

CONSULTANCY PROJECTS



Dr. Mahmadasraf A. Mulla

Dr. M.A Mulla , Dr. Sabha Raj Arya and Dr. P.V. Bhale have completed a consultancy project: Power Quality Audit for Rationalization of Transformer(Energy Audit), Air Force Station Jodhpur under GECAF, Jodhpur

Funding amount : 5,31,000/-

Duration: 6 months

Status: Completed



Dr. S.R. Arya



Dr. Hiren Patel

Dr. Hiren G Patel has received consultancy project: Vetting of Consultancy service for Sewage treatment plant for preparation of DPR for provision of STP. 2022-23 M/S Gio Design and Research (P) Ltd. Vadodara.

Funding Amount: 1,25,000/-

RESEARCH PROJECTS



Dr. S.R. Arya (PI)



Dr. C.R. Chilipi (Co-PI)

The project entitled "Intelligent Control for active shunt Compensator in wind based renewable energy system for remote power application" from Gujarat Council on Science and Technology, Gandhinagar.
Funding amount : 43,78,200 INR
Duration : 2 Years



WORKSHOPS & EXPERT TALKS

- Expert talk on "Autonomous Control of a Biplane Tail-Sitter UAV" by **Dr. Mangal Kothari, Associate Professor, Department of Aerospace Engineering, Coordinator, Centre of Mechatronics, Indian Institute of Technology, Kanpur.** The talk was organised by IEEE Gujarat Section PES/IAS/PELS Joint Chapter and IEEE SVNIT Surat student branch on 17-June-2022, 05.00 PM to 06.00 PM.
- Expert talk on "Electronics in Power and Energy Systems – Changing Paradigms" by **Dr. Vijay Shah - Vice President, Member International Team of R&D Experts Electrification Business, ABB, Vadodara.** The talk was organised by IEEE Gujarat Section PES/IAS/PELS Joint Chapter and Electrical Engineering Society (EES), Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat on 20-June-2022, 10.30 AM to 12.00 Noon.
- A 6 days workshop on "Motor Control Development using ARM Cortex M4 Microcontroller" was organized from 7 to 12-March-2022 by **Dr. M A Mulla.**
- A One Week Short Term Training Program (STTP) on "Digital Signal Processor: An Introduction with Code Composer Studio and PSIM Software (DSP-STTP)" was organized from 14 to 16, 23 to 24-April-2022 by **Dr. M A Mulla, Dr. Suresh Lakhimsetty.**



RESEARCH PUBLICATIONS

Journals

- Shipra, Kumari, Rakesh Maurya, and Shambhu N. Sharma. "A passivity-based controller for an interleaved boost PFC converter." *International Journal of Power Electronics*, Vol. 15, Issue. 2, pp. 235-261, 2022.
- Mandar Chaudhari, Anandita Chowdhury, "Design and Performance Analysis of Single Phase Line Start Synchronous Reluctance Motor Derived from Single Phase Induction Motor", *Smart science Journal*, DOI: 10.1080/23080477.2022.2074655.
- Mandar Chaudhari, Anandita Chowdhury, "Improved Performance Analysis of Single-phase Line Start Synchronous Reluctance Motor Derived From Induction Motor", *International Journal of Engineering Transactions B: Applications*, Vol. 35, no. 8, pp. 1641-1650, 2022.
- Rekha Tidke , Anandita Chowdhury, "Quasi ZSI-Fed Sliding Mode Control-based Indirect Field-Oriented Control of IM Using PI-Fuzzy Logic Speed Controller", *Electrica*, Vol. 22, Issue.1, pp. 70-83, 2022.
- Payal Patel and Mahmadasraf A. Mulla, "Reduced Switching Losses in the Indirect Matrix Converter using Single Ramp Carrier based PWM Scheme," *International Journal of Power and Energy Systems* (2022), ACTA press publishing. (Accepted)
- Rajan V. Vamja and Mahmadasraf A. Mulla, "Reduced DC Sensor based Grid-interactive Operation of Single-stage Solar Photovoltaic Water Pumping System," *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* (2022), Accepted 04 Dec 2021, Published online: 16 Jan 2022.
- Sunilkumar Agrawal, Prasanta Kundu , "A unified optimal power flow modeling for VSC-HVDC converter: a novel methodology for optimal installation based on average loadability index", *COMPEL-The international journal for computation and mathematics in electrical and electronic engineering*, Volume 41, Issue 1, 2022, pp.283-303.
- Manish Yadav & Hirenkumar G. Patel, "Control of non-minimum phase system using inverse response compensator with different approximations", *International Journal of Modelling, Identification and Control*, Vol., 40, No. 1, pp. 59-69 (2022).
- Prashant G. Medewar, Shambhu N. Sharma and Hirenkumar G. Patel "Carleman framework-based filtering for a nonlinear phase tracking problem", *International Journal of Dynamics and control*, Springer, 2022.



RESEARCH PUBLICATIONS

- Prashant G. Medewar, Shambhu N. Sharma and Hirenkumar G. Patel "Carleman Framework Filtering of Nonlinear Noisy Phase-Locked Loop System", International Journal of Nonlinear Sciences and Numerical Simulation, De Gruyter, 2022.
- Rakesh Maurya, Sabha Raj Arya, Ravindra Kumar Saini, Jyoti Gupta, "On-board power quality charger for electric vehicles with minimized switching stresses", Journal of Electrical Engineering, vol. 104, no. 3, pp. 1667-1680, June 2022.
- Jyoti Gupta, Rakesh Maurya and Sabha Raj Arya, "Development of On-Board Charger with Features of Multiple Electric Vehicles Charging," Accepted for Publication in IEEE Chinese Journal of Electrical Engineering, Jan. 2022.
- Sabha Raj Arya, Rakesh Maurya, Talada Appala Naidu and B. Chitti Babu, "Adaptive Observer for dynamic voltage restorer with optimized proportional integral gains," IEEE Chinese Journal of Electrical Engineering, Vol. 08, no. 1, pp.38-52, April 2022.
- Amin Qureshi, Ashutosh K Giri, Sabha Raj Arya, Sanjeevikumar Padmanaban, "Power conditioning using DSTATCOM in a single-phase SEIG-based isolated system", Journal of Electrical Engineering, vol. 104, no. 1, pp. 111-127, Feb. 2022.
- Sabha Raj Arya, Rakesh Maurya, Jayadeep Srikakolapu, B Chitti Babu, "Compensation of Power Quality Problems through DSTATCOM using various Phase Locked Loops," Journal of Electrical Engineering, vol. 8, no. 3, 1.p. 1667-1680, June 2022.
- Prashant Kumar, Sabha Raj Arya and Khyati D Mistry, "Optimized neural network and adaptive neuro-fuzzy controlled dynamic voltage restorer for predicting power quality performance," International Journal of Emerging Electric Power Systems (IJEPS), vol. 22, no. 4, pp. 383-399, August 2022.
- Jayadeep Srikakolapu, Sabha Raj Arya and Rakesh Maurya, "An algorithm for DSTATCOM with optimized values of PI Gain using adaptive internal mode," Journal of Electrical Power and System Components, vol. 48, no. 19-20, pp. 2074-2088, July 2022.
- V Rajagopal, Sabha Raj Arya, Sanjay K Patel, Talada Appala Naidu, J Bangarraju, "Optimized PI gains for dynamic voltage restorer control using admittance estimation strategy," Journal of Electrical Engineering, no. 9, pp.1-16, Sept. 2022.
- Rajagopal Veramalla, Sabha Raj Arya, Vishwas Gundeboina, Bangarraju Jampana Rajasekharareddy Chilipi, Santhosh Madasthu "Meta-heuristics algorithms for optimization of gains for dynamic voltage restorers to improve power quality and dynamics," Accepted for Publication in Optimal Control Applications and Methods, March 2022.
- Nitesh Tiwari, Shekhar Yadav, Sabha Raj Arya, "Battery and super capacitor powered energy management scheme for EV/HEV using fuzzy logic controller and PID controller," International Journal of Power Electronics, Vol. 15, no. 3-4, pp 309-333, March- April 2022.



RESEARCH PUBLICATIONS

- Nitesh Tiwari, Shekhar Yadav, Sabha Raj Arya, "Speed control of battery and super-capacitor powered EV/HEV using PID and fuzzy logic controller," International Journal of Innovative Computing and Applications, Vol. 13, no. 2, pp 97-114, Feb. 2022.
- Sayed Javed Alam and Sabha Raj Arya, "Volterra LMS/F based Control Algorithm for UPQC with Multi Objective Optimized PI Controller Gains," Accepted for Publication in IEEE Journal of Emerging and Selected Topics in Power Electronics, Jan 2022
- Jayadeep Srikakolapu, Sabha Raj Arya and Rakesh Maurya, "Robust Iteration Dependent Least Mean Square based Distribution Static Compensator using Optimized PI Gains," Accepted for IEEE Chinese Journal of Electrical Engineering
- Prashant Kumar, Sabha Raj Arya, Khyati D Mistry and B.Chitti Babu , "Performance Evaluation of GRNN and ANFIS Controlled DVR Using Machine Learning in Distribution Network," Accepted for Publication in Journal of optimal Control Applications and Methods, June 2022.
- Ambati Bhimaraju, Aeidapu Mahesh, Sukhdev Nirbheram Joshi, "Techno-economic optimization of grid-connected solar-wind-pumped storage hybrid energy system using improved search space reduction algorithm", Journal of Energy Storage, Vol. 52, Part A, August 2022, pp. 1-14.
- A.K. Singh, S. Kumar, N. Kumar, and R. Radhakrishnan, "Bayesian Approximation Filtering with False Data Attack on Network", IEEE Transactions on Aerospace and Electronic Systems," vol. 58, no. 2, pp. 976-988, 2022.
- Nageswar Rao B, Suresh Y, Shiva Naik B, Venkataramanaiah J, Aditya K, Kumar Panda A. "A novel single source multilevel inverter with hybrid switching technique." International Journal of Circuit Theory and Applications, Vol. 50, March 2022.
- S. Bhattacharjee, S. Halder, Y. Yan, A. Balamurali, L. V. Iyer and N. C. Kar, "Real-Time SIL Validation of a Novel PMSM Control Based on Deep Deterministic Policy Gradient Scheme for Electrified Vehicles," in IEEE Transactions on Power Electronics, vol. 37, no. 8, Aug. 2022.
- P. S. V. Kishore, N. Jayaram, S. Jakkula, J. Rajesh, S. Halder, "A New Reduced Switch Double Boost Five-Level Inverter with Self-Balancing of Capacitor Voltage", International Journal of Emerging Electric Power Systems, 2022. (Accepted)
- Mathew, Linta Eliya, and Ashish K. Panchal. "An exact and explicit PV panel curve computation assisted by two 2-port networks." Solar Energy 240 (2022): 280-289.
- Dewangan Kheeshesh, Ashish K. Panchal. "Power Flow Analysis using Successive Approximation and Adomian Decomposition Methods with a New Power Flow Formulation." Electrical Power System Research (2022) – Accepted for publication.

RESEARCH PUBLICATIONS

Book Chapter/s

- Gender Inequality: Academic, Economic, Social and Pandemic view point, Soumya Mudgal, Vasundhara Mahajan, Anandita Chowdhury, "Gender Equity: Challenges and opportunities," Springer Nature, 2022, ISBN 978-981-19-0459-2 (eBook ISBN 978-981-19-0460-8), pp 451-458.
- Rise of Taliban and Women in Men's Country, Anandita Chowdhury, Nidhi Singh and Harshada Nerkar, "Sustainable development goals and Gender perspective," Eagle leap printers and publishers Pvt Ltd, 2022, ISBN 978-81-955422-1-5, pp 1-4.
- Mahmadasraf A. Mulla, Ashish K. Panchal, 2022. "Innovative Approach for Real-time PV Curve Identification: Design-to-Application." Artificial Intelligence, Internet of Things (IoT) and Smart Materials for Energy Applications, Edited By Mohan Lal Kolhe, Kailash J. Karande, Sampat G. Deshmukh, 1st Edition, CRC Press, ISBN 9781032115023.
- Aliva Routray, Khyati D Mistry, Sabha Raj Arya , "Implementation of Black Widow Optimization Algorithm for Loss Minimization in an Unbalanced Radial Distribution System", pp. 347-361, book on Renewable Energy Towards Smart Grid Springer, Singapore, 2022.
- Aliva Routray, Khyati D Mistry, Sabha Raj Arya, "Application of Solar Energy as Distributed Generation for Real Power Loss Reduction in Radial Distribution Network," pp. 403-432, book on Next Generation Smart Grids: Modeling, Control and Optimization Springer, Singapore, 2022.
- P.S.V. Kishore, J. Rajesh, S. Halder, N. Jayaram, Book Chapter: "Renewable energy integration with Machine Learning", Book title: Smart Electrical and Mechanical Systems- An Application of Artificial Intelligence and Machine Learning, Elsevier, ISBN: 978-0-323-90789-7 , 1st Edition, 2022.





RESEARCH PUBLICATIONS

Conferences

- A. Lambe, S. N. Sharma and H. G. Patel, "Carleman Linearization Approach for State Estimation of Stochastic Boost Converter with Constant Power Load," 7th International Conference on Advances in Control and Optimisation of dynamical systems, Feb 22-25, 2022.
- M. Yadav and H. G. Patel and S. Nagarsheth, "Enhancement in series cascade control for non-minimum phase system," 7th International Conference on Advances in Control and Optimisation of dynamical systems, Feb 22-25, 2022.
- A. Sharma and H. G. Patel, "Fractional Smith Predictor for Fractional Order systems with Dead-time: an IMC Approach," 8th International Conference on Control, Decision and Information Technologies, Istanbul, Turkey (CODIT'22), 17-20th May, 2022.
- S. Boda, H.G. Patel and K. D. Mistry, "Regulation of Mean Arterial Blood Pressure by Sliding Mode Control.", 7th International Conference on Advances in Control and Optimisation of dynamical systems, Feb 22-25, 2022.
- M. Yadav, H. G. Patel and S. Kumari, "The combined effect of controller & compensator for three-level dc-dc boost converter", 7th International Conference on Advances in Control and Optimisation of dynamical systems, Feb 22-25, 2022.
- T. A. Naidu, S. R. Arya, R. Maurya, and A. Al-Durra, "Control of Supply Voltage Power Quality Issues using DVR through Forward-Backward LMS," Accepted for Publication in 2nd IEEE International Conference on Sustainable Energy and Future Electric Transportation, June 2022.
- A. Bhimaraju, G. B. Ganesh, A. Mahesh, "Optimal Sizing of PV/Wind/Battery Stand-alone Hybrid Renewable Energy System using TLBO Algorithm, Advanced Engineering Optimization Through Intelligent Techniques" (AEOTIT-2022) SVNIT, 28 – 30 January, 2022, pp. 1-6.
- A. Dak and R. Radhakrishnan, "Tracking and Interception of a Spiralling Ballistic Target on Reentry," Proc. of the 7th International Conference on Advances in Control & Optimization of Dynamical Systems, 2022.
- R. Khandelwal, U. Asfia, and R. Radhakrishnan, "Parameterised State Estimation Approach for 2-Dimensional Underwater Bearings Only Target Tracking," Proc. of the 7th International Conference on Advances in Control & Optimization of Dynamical Systems, 2022.
- R. Radhakrishnan, U. Asfia, and S. N. Sharma, "Gaussian Sum State Estimators for Three Dimensional Angles-Only Underwater Target Tracking Problems," Proc. of the 7th International Conference on Advances in Control & Optimization of Dynamical Systems, 2022.



RESEARCH PUBLICATIONS

- S. Das, K. Kumar, R. Radhakrishnan, S. Bhaumik, "Bearing-only tracking using range-parameterized shifted Rayleigh filter," IEEE Oceans, 2022.
- K. B. Kumar and K. V. P. Kumar, "An Effective Predictive Torque Control Technique for Open-end Winding Permanent Magnet Synchronous Motor Drives with Reduced Ripples for EVs," 2022 Second International Conference on Power, Control and Computing Technologies (ICPC2T), 2022, pp. 1-6, doi: 10.1109/ICPC2T53885.2022.9776814.
- N. Babu, N. Yalla, S. Halder, P. Agarwal, "A Triple Voltage Boost Frontend Hybrid T-Type Converter", ITECH, CA, USA, 2022 (Accepted)
- S. Jakkula, N. Jayaram, S. Halder, P. S. V. Kishore, J. Rajesh, "A Modified Cascaded H-bridge Multilevel Inverter with Improved Fault-Tolerant Abilities," ECCE 2022 conference (Accepted).
- J. Rajesh, N. Jayaram, P. S. V. Kishore and S. Halder, "Grid Integration of Solar PV System with Active Boost Switched Capacitor based Inverter," 2022 IEEE Delhi Section Conference (DELCON), 2022, pp. 1-6
- P. S. V. Kishore, N. Jayaram and J. Rajesh, S. Halder, "Performance Enhancement of Buck Converter Using Reinforcement Learning Control," 2022 IEEE Delhi Section Conference (DELCON), 2022, pp. 1-5, doi: 10.1109/DELCON54057.2022.9752938
- S. Jakkula, N. Jayaram, P. S. V. Kishore, J. Rajesh, S. Halder, "A new nine level switched capacitor-based inverter with quadruple boosting ability," IEEE TEECCON conference, Bangalore 2022. (Accepted)
- N. Kumar, A. Agrawal, S. Halder, "A Comparison of Different Control Schemes for Multiarea LFC. Microgrid System: Artificial Intelligence-Based Energy-Efficient Optimization," published by CRC (Taylor and Francis) Press., 2022 (Accepted)
- S. T. Ramsham and S. Lakhimsetty, "Fuzzy-Logic Speed Controller for 3-Level Open-End Winding Induction Motor Drive with Predictive Torque Control Technique," Second International Conference on Power, Control and Computing Technologies (ICPC2T), 2022, pp. 1-5, doi: 10.1109/ICPC2T53885.2022.9776783.
- Vishwa Pal Singh, K. Karthikeyan and Gangireddy Sushnigdha, "Comparison of LQG and ADRC based wind disturbance rejection schemes for deep space antenna", TENSYP 2022, organized at IIT Bombay from 1-3 July 2022.

INSTITUTE LEVEL FACULTY RESPONSIBILITY



Dr. Rahul Radhakrishnan,
Assistant Professor

has been appointed as an additional faculty electrical I/C for 2 years (Electronics and Communication system).



Dr. Sukanta Halder,
Assistant Professor

appointed as member of institute Mechanical and Maintenance committee

Ph.D. Awardee

D17EE003

13-06-2022

VAMJA RAJAN VINODRAY

"INDUCTION MOTOR DRIVEN SOLAR PHOTOVOLTIC WATER PUMPING
SYSTEM - A TOPOLOGICAL INVESTIGATION "

SUPERVISOR - DR. MAHMADASRAF A. MULLA

DS16EL002

10-05-2022

ALIVA ROUTRAY

"SOLAR AND WIND ENERGY DRIVEN DISTRIBUTED GENERATION
INTERFACE FOR LOSS MINIMIZATION IN RADIAL DISTRIBUTION SYSTEM "

**SUPERVISOR - DR. (MRS.) KHYATI D. MISTRI
DR. SABHA RAJ ARYA**

Academic Achievers M.Tech.

1st Year

SPECIALLIZATION	ROLL NO.	NAME	CGPA
INSTRUMENTATION AND CONTROL	P21IC007	ANUPAMA C S	9.55
POWER SYSTEMS	P21PS004	PATEL KEVIN HARESHKUMAR	9.30
POWER ELECTRONICS & ELECTRICAL DRIVES	P21EL003	DHOLU BHAVYA	8.95

B.Tech.

2nd Year (till semester 4)

SERIAL NO	ROLL NO.	NAME	CGPA
1	U20EE059	SINGHI DHRUV BITTAL	9.17
2	U20EE054	PATEL KUNJAN KANTILAL	9.17
3	U20EE022	BHUMI VAVADIYA	9.01

3rd Year (till semester 6)

SERIAL NO	ROLL NO.	NAME	CGPA
1	U19EE039	MUDIT BAJAJ	9.78
2	U19EE067	VATSAL CHOUDHARY	9.28
3	U19EE035	NISHI SHARMA	9.25

4th Year (till semester 8)

SERIAL NO	ROLL NO.	NAME	CGPA
1	U18EE011	PANCHAL NANDINI VASANTKUMAR	9.39
2	U18EE066	AYUSH PRATYUSH	9.21
3	U18EE046	MANSURI MOHAMMED IMRAN	9.02

STUDENT ACHIEVEMENT

ROLL NO.	NAME	ACHIEVMENTS
U18EE046	MOHAMMED MANSURI	SECURED ADMISSION FOR MASTER IN ELECTRICAL AND COMPUTER ENGINEERING, WATERLOO UNIVERSITY-CANADA.
U18EE032	LUCKY DESHMUKH	98.31 PERCENTILE IN CAT EXAMINATION AND SECURED ADMISSION FROM IIM-KOLKATA.
U18EE002	BHAVNA MATWANI	SECURED ADMISSION FOR MASTER IN COMPUTER SCIENCE, NEWYORK UNIVERSITY-COURANT.
U18EE021	RACHIT GARG	95.4 PERCENTILE IN CAT EXAMINATION AND SECURED ADMISSION FROM NMIMS-MUMBAI.
P20IC009	RAVI KHANDELWAL	SELECTED FOR PHD AT IISC BANGALORE
P20IC023	SHAQIB KHAN	RECEIVED ADMISSION FOR PH.D. PROGRAMME FROM DEPARTMENT OF ELECTRICAL ENGINEERING, IIT GOA.
P20IC006	VISHWA PAL SINGH	RECEIVED ADMISSION FOR PH.D. PROGRAMME FROM DEPARTMENT OF ELECTRICAL ENGINEERING, IIT ROORKEE.

Placement data for A.Y. 2021-2022

B. TECH	81%
M.TECH	84%

ALUMNI SECTION

1. What are the things you fondly remember about our department?

Looking back, a good number of things come to my mind. I had the blessing of meeting some really nice people and making some amazing friends.

I remember our wonderful faculty who treated us like their own children and provided us with some much-needed guidance to navigate through college life. JJP sir used to say in his class, "By not learning to code, you are hampering your career by 50%". To this day, I feel like it's so relevant in the field of Engineering.

My thesis advisor in college was Dr A.K Panchal sir. Under his guidance, I got so many wonderful opportunities, from doing research projects in India and Canada to publishing research papers and presenting them at an International Conference in the US. I would encourage all the students to have more engaging interactions with their professors. They can serve as wonderful guides to discovering your passions.

On a funny note, I remember that we used to be so excited to visit the AC practical labs. They were a boon during the hot summer days. Significantly, the ones right after lunch.

2. How do you think our college contributed to the journey to your current position?

It's true what they say, "college is a phase that brings about the most change in yourself". The growth and learning that I experienced during my 4 years of undergraduate degree prepared me to take on the challenges presented by the world today.

On the first day of admissions, I remember crying a lot because I was staying away from home. Still, then I also remember feeling emotional on the last day of college because it felt like leaving behind my second home. College gave me the opportunity to go outside my comfort zone, have some wonderful experiences and create beautiful memories. Being a part of the Drama club, the college Basketball team and various other student organizations helped me go through my own personal development. The people that I met in college gave me such wide-ranging perspectives on life that I still remember those learnings to this day.

3. What are your thoughts on a job after higher education v/s starting a corporate journey directly after B.Tech?

In my opinion, it depends on the individual to choose what is best for their career. The opportunity of higher education is a huge boon when you know what sort of field it is that you want to go in. Higher education can provide a strong foundation when entering the industry or even changing fields.

On the other hand, it is perfectly fine to take your time and decide where you want to go with your career by starting your corporate journey directly after B.Tech. At the end of the day, the experience you get will eventually help you form a decision on whether you want to go for higher education, excel in the field that you are currently in or, find that one thing that you are passionate about!

The best way to form a judgement is to talk to the people around us. Alumni, friends, colleagues, family and our professors are some of the best resources that are available to us.

4. Any guidance for beginners to survive and succeed in this strong industry competition?

It's very important to understand where the industry is these days and what kind of opportunities are available to you in a particular field. Learning is not only limited to your coursework. Do make an effort to delve into the latest topics and utilize your knowledge practically. Participate in student competitions, make that robot you are thinking about, perform case studies, learn to code, give talks on something you are interested in and many more similar opportunities are there at your disposal.

Always be willing to work hard, don't be afraid of struggle and be curious to learn new things. We all have heard the saying, 'Curiosity killed the cat', but in our case, we are different from our furry friends and that same curiosity might actually make you successful!



RAHUL SINGH
Software Engineer,
Simulink Real-Time
MathWorks
1 Apple Hill Drive
Natick, MA 01760 USA

ELECTRICAL ENGINEERING SOCIETY (EES)

MOST MAJOR EVENT WAS THE ANNUAL TECHNO-MANAGERIAL FEST: AATISH. IT WAS THE FIRST OFFLINE EVENT ORGANIZED BY THE CHAPTER AFTER ALMOST 2 YEARS OF ONLINE ACTIVITIES AND EVENTS. THE FEST WAS THEMED ON MOVIES (MAINLY BOLLYWOOD). IT INVOLVED NUMEROUS EVENTS: CHAIN KULLI KI MAIN KULLI, CAPACITOR NO. 1, NAAYAK, INSIDE EDGE, TALASH, CIRCUIT APNA APNA, BATTI GUL METER CHALU, KAUN BANEGA CIRCUITPATI, SHOOTOUT AT SVNIT. THE WHOLE FEST WAS THREE DAYS LONG AND HAD IMMENSE PARTICIPATION OF 500+ STUDENTS FROM THE FIRST YEAR AND AROUND 200+ STUDENTS FROM THE SECOND YEAR TOO.



Circuit apna apna



Kaun banega circuitpati(kbc)



ELECTRICAL ENGINEERING SOCIETY 2021-22

PHOTO GALLERY



Traditional Day - Batch of 2023



Formal Day - Batch of 2023



Formal Day - Batch of 2024



Formal Day - Batch of 2023 & 2024

Departmental week

TEAM



GANGIREDDY SUSHNIGDHA
ASSISTANT PROFESSOR
DOEE SVNIT SURAT



J.VENKATARAMANAIAH
ASSISTANT PROFESSOR
DOEE SVNIT SURAT



SURESH LAKHIMSETTY
ASSISTANT PROFESSOR
DOEE SVNIT SURAT



DEVANSHEE TANTI
U19EE047
3RD YEAR B.TECH.



JAYDEV KAMANI
U19EE006
3RD YEAR B.TECH.



RAGHAV NUWAL
U20EE107
2ND YEAR B,TECH



DHRUVA WANKHADE
U20EE012
2ND YEAR B.TECH.