

## FACULTY/ STUDENTS ACHIEVEMENTS

### **FACULTY ACHIEVEMENTS:**

- Dr. G. Suresh Babu, Professor & HOD, EEE, CBIT appointed as External BoS member for EEE Dept. BoS Committee of Vidya Jyothi Institute of Technology (A), Hyderabad with effect from 21<sup>st</sup> June, 2022.
- Dr. M.Bala Subba Reddy was invited as a Resource person for talk on " Hands-on MATLAB Programming", at Newton's Institute of Engineering, Macherla, on 16-05-2022.
- **Dr. Umakanta Choudhury**, VAS Muralidhar Bathula, T. Ramesh, A.Venkanna, M.Seetaram and U.Sridhar ,a Patent is Granted Titled “ Integrated Rotor hub for high temperature Superconducting Motor field coils” with Patent No:376852 on 26-4-2022.
- **Dr. Umakanta Choudhury**, VAS Muralidhar Bathula, T. Ramesh, and M.Seetaram, a Patent is Granted Titled “ Field coil housing for high temperature Superconducting Motor” with Patent No:387495 on 26-4-2022
- Dr.Ahmad Syed Selected as a Reviewer in April-2022 for the upcoming International Conference on “Intelligent Controller and Computing for Smart Power, 2022-ICICCSP”, July 21st -23rd, 2022. Hyderabad, India, article in proceeding.
- Dr. M.Bala Subba Reddy was invited as a Resource Person to deliver Guest Lecture on "Design of Power Quality Conditioner to Mitigate Power Quality issues ", EEE Dept. at Newton's Institute of Engineering, Macherla, on 04-04-2022.
- Dr. M.Bala Subba Reddy was invited as a Resource Person to deliver Guest Lecture on "Student Assessment and Evaluation ", organized by NITTT- CBIT on 30-04-2022.
- Dr. Nishant Patnaik Included as an Editorial Board Member in “Exploratory Materials Science Research” Journal with CBIT Affiliation, in March-2022.
- Dr. Nishant Patnaik as a Resource Person delivered a Guest Lecture in online mode in a National Webinar on topic “Advancement in EV and EHV Technology” at “NIST Berhampur, Odisha” on 17/3/2022.
- **Dr M Balasubbareddy**, Kondapalli Venkata Sri Ram, **Dr P. Venkata Prasad**, a Patent is filed with File No.: 202241010487, date of filing of application: 26.02.2022 with title of invention as “Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)”.
- **Dr M Balasubbareddy**, K Venkata Sri Ram, Y Ranadheer, a Copyright is filed with Diary number: 30821/2021-CO/L, date of filing of application: 20.12.2021 and granted with

Registration number L-112510/2022, Granted date: 28.02.2022 with title of “Bidirectional Isolated DC-DC Converter circuit for EV battery storage”.

- Mr. D.Harsha published a Patent titled “Improve Energy Efficiency & Power Control: A review at 5G Wireless Technologies” with Application No. 202241002105 A and published on 04/02/2022.
- Dr T. Sudhakar Babu, received a Consultancy Project titled “Enhancement of the Performance of different Renewable Energy Sources using Modern Techniques” worth 20 Lakhs from Najran University, Kingdom of Saudi Arabia on 12-12-2021 for a period of 2 years.
- Dr. K. Krishna Veni Successfully Supervised a Research Scholar by name Mr. Ch.Venkata Krishna Reddy and JNTUH awarded a Ph.D. Degree under her Supervision on 6-12-2021.
- Mr. Ch. Venkata Krishna Reddy was successfully awarded Ph.D. Degree by JNTUH on thesis entitled “Analysis of IPFC A.C. Transmission System”. On 6-12-2021.
- **Dr M Balasubbareddy, Dr P. Venkata Prasad**, Dr. Nireekshana Turaka a Patent is published with File No.: 202141049019 A, date of filing of application: 27.10.2021 and Publication date:05/11/2021 with title of invention as “System for Mitigating Circulating Current in type Modular Multilevel Converter (MMC)”.
- Dr. T. Sudhakar Babu Received BEST Paper Presentation award for the title “AN EFFECTIVE EMI MITIGATION TECHNIQUE USING CHAOTIC PWM FOR INTERLEAVED BOOST CONVERTER” in the 1st International Conference on ‘Advances in Power, Signal and Information Technology (APSIT) 2021’ organized by Department of Electrical and Electronics Engineering, Faculty of Engineering and Technology (ITER), Siksha ‘O’ Anusandhan (Deemed to be University), Bhubaneswar, India during 08th - 10th October 2021.
- Dr. T. Sudhakar Babu acted as a Keynote Speaker in the 2<sup>nd</sup> International Conference on “Innovation in Electrical Power Engineering, Communication, and Computing Technology (IEPCCT-2021) “, organized by ITER,Siksha 'O' Anusandhan (Deemed to be University), 24th -26th September 2021.
- Dr. N.V.Phanendra Babu delivered a Guest lectures on "Wide-Area Measurement system Design" in a one-week national level FDP organized by Narayana Engineering College Gudur, during 12-17th, July, 2021.
- Sri P.Hemeshwarchary and Sri N.Santosh Kumar Published a Patent titled “Islanding Detection For Inverter Based Distributed Generation With Low Frequency Current Harmonic

Injection Through Q Controller and Rocof Analysis” with Patent Office Journal No. 28/2021 and Application No.202141027908 A.

- Dr .G.Suresh Babu received “Outstanding Contribution to Engineering Education Award” from Imperial Society of Innovative Engineers (India) on 14<sup>th</sup> June 2021.
- Dr. M. Balasubba Reddy received “Dr. Radhakrishna Award for Engineering College Teacher Award-2020, from Society for Engineering Education Enrichment SEEE Awards 2020, at Coimbatore on 14<sup>th</sup> Dec 2020.
- **Dr M Balasubbareddy**, Divyanshi Dwivedi, **Dr.P. Venkata Prasad**, published a Patent with File No.:202141023572A, date of filing of application: 27.05.2021 and Publication date:11/06/2021 with title of invention as A Power Transmission Network Based on Optimal Generalized Interline Power Flow Controller (OGIPFC) For Optimal Power Flow for Complex Networks to Meet Increased Load Demand.
- Dr. M. Balasubba Reddy received “Best Teacher of the year 2021” from Chaitanya Bharathi Institute of Technology, Hyderabad on 6<sup>th</sup> March 2021.
- Dr. M. Balasubba Reddy received “Global Eminent Scientist Award “ for Research Excellence in EEE from Vij Trust, Thirunindravur, Thirunindravur on 29<sup>th</sup> March 2021.
- Dr. T. Murali Krishna received “Best Faculty” Award from EET CRS 8<sup>th</sup> Academic Brilliance Awards-2020 at Hyderabad, on 8<sup>th</sup> March 2020.
- Dr.T. Murali Krishna received a best researcher award from research and branding company on July19<sup>th</sup> 2020.
- Dr. G. Suresh Babu received “Dr APJ Abdul Kalam Best teacher award” from INTERNATIONAL Organisation of Innovative Research and Publishers, on 28<sup>th</sup> February 2020.
- Dr. M. Balasubba Reddy, received “NPTEL Enthusiast Star” from NPTEL Chairman, Centre for Continuing Education, IITM, December 2019.
- Dr. M. Balasubba Reddy, received “NPTEL Discipline Star” from NPTEL Chairman, Centre for Continuing Education, IITM, December 2019.
- Dr. G. Suresh Babu received “Honourable Jury Mention (International Achievement)” from EET CRS 8<sup>th</sup> Science & Technology Awards-19, Bangalore on 09<sup>th</sup> June2019
- Dr. P. V. Prasad received “Best Teacher Award” from CBIT for Academic Year 2018-2019 on 24<sup>th</sup> March 2019.
- Dr. M. Balasubba Reddy received “Honourable Jury Mention (Scientist category)” from EET CRS 4<sup>th</sup> South Asian Education Awards-19, Hyderabad on 10<sup>th</sup> March 2019.

- Dr. K. Krishnaveni, received "Distinguished Woman in Engineering" by Venus International Foundation on 2<sup>nd</sup> March 2019.
- Dr. N. Vasantha Gowri received "Best Research Award" in Advanced Technology in Engineering & Management (ICATEM'19), International Conference held at Saveetha Engineering College, Chennai on 14<sup>th</sup> February 2019.
- Dr. M. Balasubba Reddy, received "Best Faculty" Award from EET CRS 7<sup>th</sup> Academic Brilliance Awards-2019 at Noida, on 27<sup>th</sup> January 2019.
- Dr. M. Balasubba Reddy, received an Appreciation letter from the NPTEL team for having completed successfully the maximum (16) number of courses in INDIA.
- Dr. G. Suresh Babu has been conferred upon the award of "Distinguished faculty in Engineering", for the contribution and achievement in the field of Electrical Engineering by Center for Advanced Research and Design, Venus International Foundation, Chennai on 7<sup>th</sup> July, 2018.
- Dr. G. Suresh Babu has attended the 12<sup>th</sup> BOS meeting for approving the R18 course Structure and Syllabus for M. Tech. (Electrical Power Systems) on 16<sup>th</sup> Aug, 2018, at JBIET, Hyderabad.
- The following faculty members are allotted Four Research Scholars each by **Osmania University**, in the academic year 2018-19, to supervise Ph.D Work at **Research Centre, CBIT**.
  1. Dr. K. Krishnaveni,
  2. Dr. P.V. Prasad,
  3. Dr. G. Suresh Babu,
  4. Dr. B. Suresh Kumar,
  5. Dr. M. Balasubba Reddy,
  6. Dr. T. Murali Krishna
- S. Swathi, **B.Suresh Kumar**, J. Upendar have received Session (Electrical Power Engineering) Best Paper award for the paper titled Power Quality Concerns in Implementing Smart Distribution Grid Applications in the International Conference on "Emerging Trends in Circuit branch Technologies and Applications" virtually on 3<sup>rd</sup> -4<sup>th</sup> April 2021 at Chaitanya Bharathi Institute of Technology (A), Hyderabad – 500 075, Telangana, India.
- Total 152 number of Research Papers Published by various Faculty members in National & International Journals, from 2017-18 Academic Year to till date.
- Total 59 number of Research Papers Presented by various Faculty members at International and National Conferences, from 2017-18 Academic Year to till date.

- Total 309 Faculty Development Programs, 84 Workshops and 120 Short Term Training Programs attended by various Faculty members, from 2017-18 Academic Year to till date.
- Total 98 Webinars/Seminars attended by various Faculty members, from 2017-18 Academic Year to till date.
- Total 2 Patents have been granted to Faculty Members, 9 Patents have been published by Faculty members, and 01 Copyright has been filed from 2017-18 Academic Year to till date.

**SPONSORED RESEARCH PROJECT(s), CONSULTANCY PROJECT(s) and SPONSORED TRAINING PROGRAM(s):**

<b>S. No</b>	<b>Title</b>	<b>Sponsored by</b>	<b>Duration</b>	<b>Principal investigator/ Co-investigator</b>	<b>Grant (Rs. in Lakhs)</b>
1	An Efficient Low Cost Flexible Quality Conditioner to Mitigate Power Quality Issues	AICTE-RPS	2019-2022	Dr. M. Bala subba Reddy	11
2	Trends & Challenges of Hybrid Electric Drive Utilities in Transport Sector	AICTE-STTP	2020	Dr. T. Murali Krishna	3
3.	Enhancement of the Performance of different Renewable energy sources using Modern Techniques.	Najran University, Kingdom of Saudi Arabia.	2022-2024	Dr. T.Sudhakar Babu	20

## **STUDENTS ACHIEVEMENTS:**

- G Saket Kumar (Roll No. 160120734112) had successfully qualified in Round one of NATIONAL ENGINEERING OLYMPIAD 5.0 Conducted in Dec-2021.
- Akansha. B (Roll No. 160120734002) successfully qualified in the National Level E-Quiz Competition in Mathematics on 09-10-2021, organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad with a score of 72%.
- Prasanna. E (Roll No. 160120734014) successfully qualified in the National Level E-Quiz Competition in Mathematics on 08-10-2021, organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad with a score of 60%.
- V.Rohitha Raga (Roll No. 160120734016) successfully qualified in the National Level E-Quiz Competition in Mathematics on 07-10-2021, organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad with a score of 72%.
- B Akshaya (Roll No. 160120734002) successfully qualified in the National Level E-Quiz Competition in Mathematics on 07-10-2021, organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad with a score of 67%.
- G Saket Kumar (Roll No. 160120734112) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by B.K Sharoff College of Arts & M.H. Sharoff College Of Commerce , Department of Mathematics, Gandipet, Hyderabad,with a score of 80%, held on 22-12-2021.
- T. Nikitha (Roll No. 160120734011) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by B.K Sharoff College OF Arts & M.H. Sharoff College Of Commerce, Department of Mathematics, Gandipet, Hyderabad,with a score of 80%, held on 22-12-2021.
- Rasamadugu Hareyaank (Roll No.160120734090) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad,with a score of 63%. Held on 10-7-2021.
- K Narasimha(Roll No.160120734101) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad,with a score of 66%. Held on 10-7-2021.
- L Shiv Pranay (Roll No.160120734113) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad,with a score of 60%. Held on 10-7-2021.

- Bhavana N(Roll No. 160120734063) has attended the Virtual Site Visit on “Rooftop Solar PV Plant” organized by HIEE EMPOWERING ENGINEERS PVT LTD on 26-12-2021.
- Nagula Rachana(Roll No. 160120734072) has attended the Virtual Site Visit on “Rooftop Solar PV Plant” organized by HIEE EMPOWERING ENGINEERS PVT LTD on 26-12-2021.
- Susmitha G(Roll No. 160120734307) has attended the Virtual Site Visit on “Rooftop Solar PV Plant” organized by HIEE EMPOWERING ENGINEERS PVT LTD on 26-12-2021.
- Sai Meghana .B (Roll No. 160119734071) has attended the Virtual Site Visit on “Rooftop Solar PV Plant” organized by HIEE EMPOWERING ENGINEERS PVT LTD on 26-12-2021.
- Vinukula Sushma(Roll No. 160119734076) has Participated in 5th National Engineering Olympiad, which was conducted in December 2021
- Sharath Deepika .P (Roll No. 160119734074) has Participated in 5th National Engineering Olympiad , which was conducted in December 2021
- Sharath Deepika .P (Roll No. 160119734074) has successfully qualified in Round one of NATIONAL ENGINEERING OLYMPIAD 5.0 Conducted in Dec-2021
- D.Jayasri (Roll No. 160120734065) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021.
- Sai Arun(Roll No. 160120734074) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021
- B Shashanka(Roll No. 160120734075) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021
- Srinitha (Roll No. 160120734078) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021.
- Shreyan Marri (Roll No. 160120734114) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021.
- Sravan (Roll No. 160120734115) Volunteered for Ramanujan Math Club as a part of NATIONAL MATHEMATICS DAY in DEC-2021.
- T. Nikitha (Roll No.160120734011) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad,with a score of 72%. Held on 10-10-2021.

- MD Ferdoues (Roll No.160120734029) has successfully qualified in the National Level E-Quiz Competition in Mathematics organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad, with a score of 66%. Held on 07-10-2021.
- Prasanna. E (Roll No. 160120734014) has Successfully qualified in the National Level E-Quiz Competition in Mathematics on 08-10-2021, organized by The Ramanujan Math Club of CBIT, Department of Mathematics, Gandipet, Hyderabad with a score of 60%.
- M Siddhartha (Roll No. 160120734115) has participated in "AUTOCAD/CATIA." and successfully completed the program conducted by iStop organisation at a Techfest held in IIT-Bombay from 11-11-2021 to 11-01-2022.
- Anusha (Roll No. 160120734061) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Bhavana N (Roll No. 160120734063) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Jayasri D (Roll No. 160120734065) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Nagula Rachana (Roll No. 160120734072) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Adihtya B (Roll No. 160120734086) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Madhilesh E (Roll No. 160120734097) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- G Saketh Kumar (Roll No. 160120734112) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- Susmitha G (Roll No. 160120734307) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- T. Nikitha (Roll No. 160120734011) has Participated in the Webinar On “E.Waste Management and Recycling “organized by WE- the recycling company on 15-12-2021.
- K Navya (Roll No. 160120734008) has participated in the Webinar HYBRID VEHICLE TECHNOLOGY-BASICS Organized by TOYOTA KIRLOSKAR MOTOR PVT.LTD
- P. Sandeep Kumar (Roll No. 160119734109) has successfully completed T-Tribe LaunchPad Program, Batch 2021, organised by T-Hub of Telagana Govt.
- Kshiteishh Bharadwaj & Khyati Bharadwaj of IV Semester Won Zonal Round of CHIMERAX @ MANIT, at Bhopal on 24<sup>th</sup> Jan 2020.



- Kshiteish Bharadwaj & Khyati Bharadwaj of IV Semester secured 2nd place in the final round of CHIMERAX @ MANIT, at Bhopal on 16<sup>th</sup> Feb 2020.



Kshiteish Bharadwaj & Khyati Bharadwaj with their trophies

- Eshwar Chava, of IV-SEM served as a Rapporteur @ SJHMUN- St. Joseph College Hyderabad.

- Over more than 350 Students had undergone internships in various organizations/companies during the academic year 2017-18 till date.
- Over 72 Students completed online courses(MOOCs)/online workshops from academic year 2017-18 till date.
- Over more than 100 Students had successfully Completed a Short term Self-Paced Course on “Learn How to Design Solar Roof Top System” organized by Energy Swaraj Foundation in collaboration with CBIT in the year 2020.
- 4 students qualified GATE-2020
- 1 student qualified GATE-2021
- 5 students qualified GRE-2020
- 1 student qualified CAT-2020
- 5 Students published papers in peer-reviewed journals.
- V. Gopi Krishna Reddy of VI Semester Won 1st Prize in paper presentation of QUEST 2019 at JNTU, Hyderabad.
- 11 students from IEEE CBIT student chapter (EEE department) represented and volunteered various events held in the IEEE Bombay Section Science Congress -2019(BSC) held at Sandip University (Deemed),Mahiravani, Nashik Dist.,Maharashtra on (18<sup>th</sup> -20<sup>th</sup>), Jan-2019.



Team of CBIT EEE students in the IEEE Bombay Section Science Congress

- IEEE CBIT student chapter (STB 31231) won the Upcoming Student Branch Award at IEEE Hyderabad section Student Congress held on Nov-4<sup>th</sup> and 5<sup>th</sup> -2017.



Dr.P.Venkata Prasad, HoD of EEE Dept. receiving the award