



SDMCET EEE NEWS LETTER

S. D. M. College of Engineering and Technology, Dharwad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UG Program Accredited by NBA under Tier-I (July 2022 - June 2025)

(Our motto: Professional Competence with Positive Attitude)

Dr. S. G. Ankaliki, Editor-in-Chief | Prof. Kavya K, Prof. Pushpalata, Editor | Dr. R. L. Chakrasali,

About the Department

The Department of Electrical and Electronics Engineering at SDM College of Engineering and Technology, Dharwad, was established in 1979, coinciding with the inception of the institution. Initially admitting 30 students, the intake was subsequently increased to 60. The program is approved by the AICTE, has been accredited by the NBA on four separate occasions, and is recognized as a research centre by VTU. Since 2007, the department has enjoyed the status of Academic Autonomy. Additionally, it has been offering a Postgraduate program in Power Systems Engineering with an intake capacity of 18 students since 2012.

Editorial

It gives me immense pleasure to present the newsletter of the Department of Electrical and Electronics Engineering, showcasing the academic, co-curricular, and extracurricular achievements for the year 2025. This edition reflects the dedication, enthusiasm, and hard work of our faculty, students, and staff in striving towards academic excellence and professional growth. I extend my heartfelt congratulations to everyone for their continuous efforts and accomplishments. I am confident that our collective commitment and teamwork will continue to drive us towards greater heights of innovation, learning, and professional excellence.

Dr. S. G. Ankaliki

Head of the Department

Electrical and Electronics Engineering

Students Training Activities

- A two-day state level project exhibition competition was organized by 'Agastya International foundation' in association with SDMCET Dharwad on 31st January and 1st February. More than 35 selected projects were exhibited in the electrical engineering department of SDMCET. Shri Bhaskar Naidu of Agastya foundation and Prof. Shravan Nayak of SDMCET coordinated the entire event. More than 500 school children from nearby government schools visited the event.



- Training on 'C' Programming was organized by E & E Department for 4th Semester EE students between 6th March to 8th March, 2025. Prof. Nandakumar C. and Prof. Kavya K coordinated the event for 3 days during which 65 students attended and made use of training for upcoming placement activities.



Invited Talks/Interactions by Faculties / Outreach

- Dr. S. G. Ankaliki has reviewed manuscript entitled "A Sustainable Method for Farming: Powered Water Pumping Systems" for Journal of Advance Electrical Engineering and Devices e – ISSN – 2583 – 9225, p – ISSN 3048 – 7420.
- Dr. Shravan Nayak participated in a panel discussion organized by Times Group on the topic "Impact of AI on Societal Comforts" on 6th June 2025 at SDMCET.
- Dr. Shravan Nayak delivered a talk on CET and COMEDK Admission – Process – 2025 to the aspiring students and parents on 09.06.2025 at our college auditorium.
- Prof. V. R. Sheelavant acted as member of Board of Interview for SDMIT Ujire, on 13.06.2025.

Training Programs Attended by Faculty

- Prof. V. R. Sheelavant attended a FDP on Signal Processing for Cognitive Neuroscience Applications from 09.01.2025 to 11.01.2025 at CSE Department SDMCET, Dharwad.
- Prof. Manjula S. Sureban Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on Engineering the Future of Energy: AI, Data Science, and Efficient Power Systems for Climate Resilience at Sushila Devi Bansal College of Engineering from 06.01.2025 to 11.01.2025.
- Prof. Manjula S. Sureban Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'Recent Advancement in Solar Photovoltaic Technology & Research Opportunities' at Government Polytechnic Nagpur from 13.01.2025 to 18.01.2025.
- Dr. S. G. Ankaliki Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'Eco Innovation in Green Energy and Climate Resilience: Fueling for Economic and Industrial Advancement' at Sir M. Visvesvaraya Institute of Technology from 20.01.2025 to 25.01.2025.
- Prof. Manjula S. Sureban Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'Emerging Trends in Optimal Design of Electric Vehicles and Hydrogen Fuel Cell Vehicles for Sustainable Futures' at SRM Madurai College for Engineering & Technology from 27.01.2025 to 01.02.2025.
- Prof. Manjula S. Sureban has Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'Emerging

Trends in AI and Future Applications' at Jeppiaar Engineering College (E&T) from 03.02.2025 to 08.02.2025.

- Prof. Manjula S. Sureban has Successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'Emerging Trends in optimal design of electric vehicles & hydrogen fuel cell for sustainable future' at SRM Madurai College of Engineering & Technology from 27.01.2025 to 01.02.2025.
- Prof. Manjula S. Sureban has successfully participated and completed AICTE Training & Learning (ATAL) Academy FDP on 'The role of Artificial Intelligence & Machine Learning in Electric Vehicle Technology' at K. Ramakrishna College of Technology from 10.02.2025 to 15.02.2025.
- Prof. Manjula S. Sureban has successfully participated and completed the FDP on 'Recent Developments and Challenges in Electric Vehicle' from 03.02.2025 to 07.02.2025 organized by KLE Tech Innovation Centre EE Dept. KLE Tech University, Hubballi.
- Prof. Nandakumar C. participated in the short term training program (STTP) on 'Foundations of Machine Learning to Design AI Systems using Python' through online mode during 19th May, 2025 to June 1st 2025.

Paper Publications & Presentations

- Dr. Shekhappa Ankaliki & Prof. Manjula Sureban PG student Rangappa Batakurki & Sinchana P. have published a paper on "A Comprehensive Review of Electric Vehicle Charging Methods: Trends, Challenges, and Future Prospects" in Journal of Advance Electrical Engineering & Devices, e-ISSN: 2583-9225, p-ISSN: 3048-7420 Vol. 3, Issue 2 (May – August) pp: (11-21) Received Date: May 15, 2025, Published Date June 03, 2025, indexed in Scopus
- Dr. Shravan Nayak Coauthored a research paper entitled "Feasibility study of integrated solar and other alternative energy sources for Hamlet village electrification" in a two-day International Conference – DMCICS – 2025 held on 3rd & 4th June 2025 at AITM, Bhatkal.

Academic Reforms and Technical Excellence

- EEE Department organized Board of Studies (BOS) meet 2025 on 24th May 2025 at 10.00AM Physically in department meeting was chaired by Dr. S. G. Ankaliki, BOS External and internal members along with faculty members

of EEE department, Prof. Pradeep S.V acted as BOS member secretary.

- Dr. Prakash Gani & Prof. Pushpalata from EEE department coordinated and judged the “Clash of Electronics” event during the Insignia 2025. The Techno-cultured fest held on May 17, 2025. There were 21 teams to show case their technical skills & innovative solutions.

Achievements

- Prof. Shravan Nayak successfully defended his final Ph.D. Viva Voce on 27.01.2025
- Prof. Manjula S. Sureban, Prof. Megha G S, and Prof. Kavya K has won consolation prize in poster presentation competition organized by SDM University, Dharwad on 28th Feb 2025 occasion of National Science day.
- Prof. Manjula S. Sureban has successfully completed NPTEL online certification course on Facts devices from Jan - March 2025 (08 week course) with a consolidated Score of 83% (Elite + Silver, top 5%)
- Prof. Prakash Gani has successfully completed Ph.D. final defense Viva Voce at the research centre Ujire (SDMIT). His area of research is Micro strip array antenna for wireless communication.

Toppers List in Jan-Feb 2025 Examination

UG VII Semester

Place	Name	SGPA
First	SHIVAPRASAD S TALAWAR 2SD21EE045	9.4
Second	SUJATA SAUNSHI 2SD21EE052	9.33
Third	RACHANA R SHENOY 2SD21EE035	9.12

UG V Semester

Place	Name	SGPA
First	SANJANA R PAMADI 2SD22EE038	9.04
Second	LOHIT MANJUNATH KOMAR 2SD22EE017	9.03
Third	SHARANYA SUBHODHAR SHETTY 2SD22EE040	8.89

UG III Semester

Place	Name	SGPA
First	KRUTHIKA S SURYAVANSHI 2SD23EE007	9.93
Second	RAKSHITA ANNAPPA BALAGAR 2SD23EE039	9.87
Third	SADHVI S LAD 2SD23EE042	9.70

UG I Semester

Place	Name	SGPA
First	LAKSHMI 2SD24EE021	9.90
Second	MADHUSOODHAN RAJESH JOSHI 2SD24EE023	9.60
Third	VARSHA SOMASHEKAR HAVANUR 2SD24EE062	9.55

Congratulations to all the students



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Seminars / Conferences / Activities

- The department celebrated National Energy Conservation Day - 2024 on 14th December 2024. Dr. Amarkumar Khushwaha was the Chief Guest. Dr. R. L. Chakrasali (Principal, SDMCET) gave the opening remarks, and Dr. S. G. Ankaliki (HoD, E&E) presided over the event.

Editorial

I am pleased and honored to present the newsletter of the Electrical and Electronics Engineering Department, showcasing the academic, co-curricular, and extracurricular achievements for the year 2024. I extend my heartfelt congratulations to all the faculty members, students, and staff for their dedicated efforts in striving toward professional competence with a positive outlook. I firmly believe that our continued teamwork and commitment will pave the way toward greater professional excellence.

Dr. S. G. Ankaliki

The event was coordinated by Prof. Shravan Nayak and Prof. Manjula S. Sureban.

Paper Publications & Presentations

- Dr. Shekhappa Ankaliki published a paper titled "Electrical Load Forecasting Using Improved Feature Selection and Hybrid Deep Learning Algorithms for Power System Situational Awareness" in the Journal of Electrical Systems (JES), Vol. 20, No. 9s, pp. 2825-2836, ISSN: 1112-6209, June 2024. (Scopus Indexed) <https://journal.esrgroups.org/jes/issue>.
- He also published a paper titled "Topology Transformation-Based ANN Approach for Optimal PMU Placement for Monitoring and Control of Power Systems" in *Journal of Control and Instrumentation Engineering*, Vol. 10, Issue 3 (Sept-Dec 2024), e-ISSN: 2582-3000.
- Prof. Shravan Nayak published two research papers:
 - "Synthesis, Fabrication, and Performance Evaluation of Lanthanum-Doped Nickel Cobalt Ferrite Electrode for Supercapacitors in Energy Storage Applications" in the Journal of Energy Storage (IF: 8.9, Q1, Scopus).
 - "Leveraging Supercapacitors to Mitigate Limitations and Enhance Performance of Battery Energy Storage Systems: A Simulation and Experimental Validation" in Discover Energy Journal (Springer, Peer-Reviewed).

Invited Talks/Interactions by Faculties

- Prof. V. R. Sheelavant attended a BOE meeting at BIT, Bellary on 30.08.2024.
- Dr. S. G. Ankaliki served as **Session Chair** for *IEEE NKCon-2024*, a flagship international conference of the IEEE North Karnataka Subsection in association with IEEE Bangalore Section, held at Basaveshwar Engineering College, Bagalkot, on 21st-22nd September 2024.
- Dr. B. S. Shalavadi participated in **Engineer's Day** celebrations at the Karnataka Chamber of Commerce and Industry (KCC&I), Hubli on 25.09.2024.
- Dr. S. G. Ankaliki served as **Reviewer** for the International Conference on Software Systems and Information Technology (SSITCON-2024) held on 18th-19th October 2024 at Sri Siddhartha Institute of Technology, Tumkur.
- **Rededication Day** was observed on 21st November 2024 in memory of the founder HoD, Late Prof. R. G. Desai. Dr. M. R. Kappali and Dr. G. D. Kamalapur, retired professors of the department, were invited. Shri Jeevandhar Kumar (Secretary, SDMCET), Dr. R. L. Chakrasali (Principal), and Dr. M. R. Kappali addressed the gathering.
- Prof. V. R. Sheelavant attended a BOE meeting at BIT, Bellary, on 31.12.2024.

Training Programs Attended by Faculty

- Dr. S. G. Ankaliki, Prof. S. P. Amminabhavi, Prof. Shravan G. Nayak, and Prof. Manjula S. Sureban attended a workshop on **"NPTEL E-Awareness"** organized by SDMCET and the Institute of Advanced Computing on 12.07.2024.
- Prof. Manjula S. Sureban, Assistant Professor at SDMCET, Dharwad, participated in and successfully completed a one-week online FDP on **"Resilient Integrated Systems with Energy Produced by Optimized Widespread Energy Renewables (RISE-Power 2024)"**, conducted from 22nd to 26th July 2024 at the National Institute of Technology, Patna.

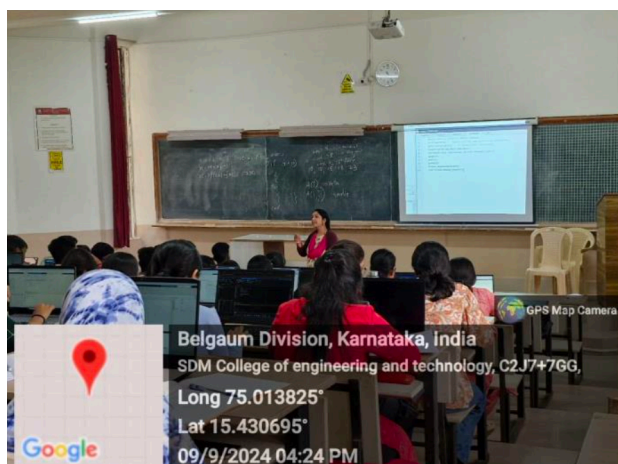
- Dr. Shekhappa Ankaliki and Prof. S. P. Amminabhavi participated in a 5-day online FDP on **"Applications of AI/ML in Power Systems & Electric Vehicles"**, organized by the Department of Electrical & Electronics Engineering, Kishkinda University, Ballari, from 5th to 9th August 2024.
- Prof. S. P. Amminabhavi and Prof. Manjula S. Sureban attended an AICTE-approved offline 3-day Introductory Face-to-Face FDP on **Universal Human Values (UHV)** held from 22nd to 24th August 2024 at SDM College of Engineering & Technology, Dharwad.
- Prof. S. P. Amminabhavi completed **Innovation Ambassador (IA) Training - Foundation Level** (16 sessions, 30 contact hours) conducted online by MoE's Innovation Cell & AICTE. *Date: 02.09.2024 | E-certificate No.: IA/Foundation/1040411*. He also completed the **Advanced Level** of Innovation Ambassador training on 17.09.2024.
- Dr. B. S. Shalavadi attended a one-day **AICTE Activity Points Workshop** for college coordinators at Sri Krishna Institute of Technology (SK&T), Bengaluru, hosted by VTU.
- Prof. Kavya K. completed a 15-hour course on "Solar Photovoltaic Systems Design" via Udemy on 30.11.2024.
- Prof. Manjula S. Sureban and Dr. S. G. Ankaliki successfully completed the **AICTE Training & Learning (ATAL) Academy FDP** on "Electric Vehicles: Technology, Power System, Energy Management, Testing & Certification" held at Pimpri Chinchwad College of Engineering from 23rd to 28th December 2024.
- Prof. Kavya K. successfully completed a one-week **online FDP on AI & ML Education** held from 9th to 14th December 2024, organized by the Department of E&E, Sanjay Gandhi Polytechnic.

Training Programs/Students Corner

- Prof. Manjula S. Sureban organized a **Hands-on Workshop on MATLAB and SIMULINK for Beginners in Electrical Engineering** for 5th semester students on 09.09.2024 (2:00-5:00 PM) and 11.09.2024 (10:30 AM-1:00 PM). More

than 50 students attended. Prof. Sureban was the resource person.

- Prof. Shravan Nayak and Prof. Manjula S. Sureban coordinated the **First-Year B.E. Induction Program** for the EEE department on 23.09.2024. Dr. M. R. Kappali and Ms. Ashwini Koppad (Senior Software Engineer, Mercedes Benz, Bengaluru) addressed the students.



- Prof. Kavya K. and Prof. Nandakumar C. jointly coordinated a training program on **AI & ML** for 7th-semester E&E students from 21st to 23rd November 2024. Mr. Ejaz Ahmed (Industry Resource Person) conducted sessions using inbuilt ML algorithms. About 50 students participated.
- A **Python Programming Training** program was organized for 5th-semester E&E students from 4th to 27th November 2024. Prof. S. S. Navalgund trained around 53 students. Coordination was handled by Prof. Nandakumar C. and Prof. Kavya K.

Toppers List in Dec 2024 Examination

UG VII Semester

Place	Name	SGPA
First	Shivaprasad Talawar 2SD21EE045	9.40
Second	Sujata Saunshi 2SD21EE052	9.33
Third	Rachana R Shenoy 2SD21EE008	9.12

UG V Semester

Place	Name	SGPA
First	Sanjana R Pamadi 2SD22EE038	9.04
Second	Lohit M. Komar 2SD22EE017	9.03
Third	Sharanya S. Shetty 2SD22EE040	8.89

UG III Semester

Place	Name	SGPA
First	Kruthika S Suryavanshi 2SD23EE027	9.93
Second	Rakshita Annappa Balagar 2SD23EE039	9.87
Third	Sadhvi S Lad 2SD23EE027	9.70

UG I Semester

Place	Name	SGPA
First	Lakshmi 2SD24EE021	9.90
Second	Madhusoodhan R Joshi 2SD24EE023	9.60
Third	Varsha S Havanur 2SD24EE062	9.55

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Students Training Activities

- A **poster presentation** event on **Electrical Drives used in Various Industries** was organized for 8th-semester students on 04.04.2024 in the EEE Department. The event was coordinated by Prof. Manjula S. Sureban.

Editorial

It gives me great pleasure and a sense of pride to present the newsletter of the Electrical & Electronics Engineering Department, highlighting our academic, co-curricular, and extracurricular achievements for the year 2024. I extend my heartfelt congratulations to all faculty members, students, and staff for their dedicated efforts in pursuing professional excellence with a positive outlook. I am confident that our continued teamwork and commitment will propel us further on the path of academic and professional distinction.

Dr. S. G. Ankaliki

- The Department of EEE organized a **"Shark Tank"** event as part of INSIGNIA-24, where 16 students from various departments presented their ideas and projects on 20.04.2024. Coordinated by Prof. Sanjeeth P. A. & Prof. Pradeep V.
- A **Paper/Poster Presentation** event was organized on 20.04.2024. Out of 15 registered students, 6 participated. The event was coordinated by Prof. Shravan G. Nayak and Prof. Manjula S. Sureban.
- The EEE Department, in association with CIII, SDMCET, organized a talk by **Miss Ashwini Koppad**, Industry Expert, on **"Career Building & Opportunities for Electrical Engineering Students"** for VI semester students on 04.06.2024. The event was coordinated by Prof. Shravan G. Nayak & Prof. Manjula S. Sureban.



- Prof. Sunil Joshi conducted an **Activity-Based Learning session** on **VLSI Circuits** for VI semester EEE students. The demonstration included simulations and student-developed circuits. The event was attended by the

Principal and Secretary of SDMCET Society on 04.06.2024.

Invited Talks/Interactions by Faculties

- Prof. Manjula S. Sureban presented a science model titled **"Empowered Glove for Disabled People"** during the National Science Day event organized at SDM University, Dharwad on 28.02.2024.
- Dr. S. G. Ankaliki acted as a reviewer for the 2nd International Conference on **Integrated Circuits and Communication Systems (ICICACS-2024)**, organized by the Department of ECE, HKE Society's Sir M Visvesvaraya College of Engineering, Raichur on 23rd & 24th February 2024.
- Dr. R. L. Chakrasali delivered a keynote address as the Chief Guest at the **Project Exhibition** on 12.02.2024, organized by Agastya International Foundation under the Anveshana Program.
- Dr. R. L. Chakrasali inaugurated a **model exhibition** as part of Science Day celebrations at SDM Medical University on 28.02.2024.
- Dr. S. G. Ankaliki served as a reviewer for the 1st International Conference on **Emerging Research in Computing, Information, Communication, Artificial Intelligence & Machine Learning (ERCICAM-2024)** organized by Nitte Meenakshi Institute of Technology, Bengaluru on 23rd & 24th February 2024.
- Prof. V. R. Sheelavant was a resource person at workshops on **"Municipal Demand Side Management Scheme"** organized by KREDL at:
 - Haveri on 08.02.2024
 - Gadag on 13.02.2024
 - Bagalkot on 29.02.2024
- Dr. S. G. Ankaliki served as a reviewer for the International Conference on Distributed Computing and Optimization Techniques (ICDCOT-2024), organized by SJB Institute of Technology, Bengaluru on 15th & 16th March 2024.
- Prof. V. R. Sheelavant was nominated as a

Board of Studies member at Ballari Institute of Technology and Management and attended the BoS meeting on 21.03.2024.

- Prof. Shravan G. Nayak delivered an invited talk on **"COMEDK Admission Process"** during the State Level Education Expo in Hubballi on 13.04.2024.
- Dr. S. G. Ankaliki served as a reviewer for the 3rd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDECE-2024) organized by IEEE SB, BITM, Ballari on 26-27 April 2024.
- Dr. S. G. Ankaliki served as a reviewer for the **2nd IEEE International Conference on Data Science and Information System (ICDSIS-2024)**, organized by the Department of ISE, Malnad College of Engineering, Hassan on 17th & 18th May 2024.
- Dr. S. G. Ankaliki also served as a reviewer for the International Conference on Electrical, Computer and Energy Technologies (ICECET-2024) to be held in Sydney, Australia from 25th to 27th May 2024.
- Prof. Sanjeeth P. A. attended the **Deccan Herald & Prajavani Education Expo** at Raikar Exhibition Ground, Hubballi on 13.04.2024 & 14.04.2024.
- Prof. Pradeep V. organized the **EEE Board of Studies Meeting 2024** on 11th May 2024 at 10:00 AM in the EEE Seminar Hall. The meeting was chaired by Dr. S. G. Ankaliki and attended by internal and external BoS members.
- Prof. V. R. Sheelavant and Prof. Shravan G. Nayak portrayed **George Westinghouse** and **Nikola Tesla** respectively in the technical drama **"AC versus DC"** organized by Abhinaya Bharati at:
 - Institution of Engineers, Dharwad on 18.06.2024
 - Ramagovinda Auditorium, Mysuru on 21.06.2024
 - Srujana Rangamandir on 02.07.2024

Training Programs Attended by Faculty

- Prof. Sunil Joshi attended a 5-day masterclass on **"Embedded System Design and IoT"**

conducted online by Skill Dzire Company from 01 to 05 January 2024.

- Dr. S. G. Ankaliki attended a one-day seminar on **"Unleashing Innovation in Curriculum Design with Outcome-Based Education"** organized by InPods Ed-tech, Pune, on 29.02.2024.
- Prof. Manjula S. Sureban participated in a one-week National Level Online FDP on **"Outcome-Based Education & Application of Generative AI in Teaching and Research"** organized by the IQAC, Government College Kottayam, in association with KSHEC from 06.03.2024 to 13.03.2024, securing an A grade.
- Prof. Manjula S. Sureban & Prof. S. P. Amminabhavi participated in a one-day FDP on **Soft Skills**, organized by SDMCET, Dharwad on 15.03.2024.
- Prof. Nandakumar C attended a short-term course and FDP on **Power Converters, Green Energy & EV Integration**, organized online by NIT Rourkela from 13th to 17th March 2024.
- Prof. Manjula S. Sureban completed a one-week National FDP on **Generative AI**, organized by the Department of AI & Data Science, Dr. D.Y. Patil College of Engineering & Innovation, Pune, in collaboration with PANTECH & Learning from 01st to 06th April 2024.
- Prof. Manjula S. Sureban attended a One-Week STTP on **"AI Techniques in Electrical Systems"** organized by the Department of EEE, Bapatla Engineering College from 15th to 20th April 2024.
- Prof. Manjula S. Sureban completed a 6-day online FDP on **"Research Paper, IPR, and Project Proposal Writing"** organized by ABES Engineering College, Ghaziabad from 6th to 11th May 2024.

Paper Publications & Presentations

- Prof. V. R. Sheelavant obtained a copyright for **"An Alternative Approach to Analyze Network with Super Nodes"** on 05.01.2024.
- Dr. S. G. Ankaliki, Prof. S. P. Amminabhavi, Prof. Manjula S. Sureban & Prof. Pradeep Vibhuti published a paper titled **"Performance**

Analysis of Distribution System under Different Loading Conditions Using Test Bench" in *I-manager's Journal on Power Systems Engineering (JPS)*, Vol.11, Issue 3, Oct-Dec 2023.

- Dr. S. G. Ankaliki presented a paper titled **"Optimal Renewable Energy Mix for Electric Vehicle Charging Stations"** at the International Conference on Emerging Technologies in Science & Engineering, held at Akshaya Institute of Technology, Tumkur on 26th & 27th June 2024.

Students Corner

- Prof. Shravan G. Nayak coordinated a two-day state-level **project exhibition competition** organized by Agastya International Foundation in association with the Department of Education, Government of Karnataka, and SDMCET Dharwad, held on 14th and 15th February 2024.



- Dr. Kiran M. and Dr. Vijay Babu from Manipal Institute of Technology delivered a talk on "Opportunities for Electrical Engineering Fresh Graduates" to our final-year and PG students on 27.02.2024.



- Prof. Shravan G. Nayak coordinated an industrial visit for VI semester EEE students to the **Belagavi Smart City Project** on 23.03.2024 for practical exposure to the "Internet of Things" course.

Toppers List in Dec 2023 Examination

UG VIII Semester

Place	Name	SGPA
First	Prabhgouda M. B. 2SD20EE025	9.26
Second	Shwetha S. Akki 2SD20EE043	9.19
Third	Sanjana Tigadimath 2SD20EE035	9.08

UG VI Semester

Place	Name	SGPA
First	Shivaprasad Talawar 2SD21EE045	9.33
Second	Sujata Saunshi 2SD21EE052	9.30
Third	Alisha Uppin 2SD21EE008	9.07

UG IV Semester

Place	Name	SGPA
First	Sanjana R Pamadi 2SD22EE038	9.01
Second	Lohit M. Komar 2SD22EE017	9.00
Third	Sharanya S. Shetty 2SD22EE040	8.83

UG II Semester

Place	Name	SGPA
First	Kruthika S Suryavanshi 2SD23EE027	9.95
Second	Rakshita Annappa Balagar 2SD23EE039	9.9
Third	Bhoomika N Chikkannavar 2SD23EE014	9.8

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Seminars/Conferences

- 9th National Conference on Power Systems Engineering (NCPSE-2023) organized on 18th & 19th August in collaboration with IET Dharwad Local Centre and IEEE Student Chapter, SDMCET.
- 8 papers presented.
- Keynote: Prof. Vinay Shetty, GIT, Belagavi.

Editorial

I am delighted and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2023. I congratulate all the faculty, students and staff for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

- Special Address: Ms. Ayesha Bepari on Entrepreneurship opportunities.

Invited Talks/Interactions by Faculties

- Dr. R. L. Chakrasali addressed first-year students on 08.09.2023 and gave a talk on "Reading and Writing - A Fundamental" on 14.09.2023.
- Dr. R. L. Chakrasali **nominated to BoS** for Electrical Engineering, Kishkinda University, Bellary - attended online meeting on 21.09.2023.
- Dr. S. G. Ankaliki attended BoS meeting at G. M. University, Davanagere on 26.12.2024.

Training Programs Attended by Faculty

- Prof. Prof. M. S. Sureban participated in a 10-day online FDP on "Artificial Intelligence & Machine Learning Algorithm" organized by E&ICT Academy, Warangal, from 1st to 10th July 2023.
- Prof. M. S. Sureban attended the flagship event **"Women in Power Engineering"** on 29.08.2023, hosted by IEEE PES Chapter KLEIT, Hubli.
- Dr. R. L. Chakrasali Attended webinar on "Excellence in Peer Review" by Taylor and Francis on 21.09.2023.
- Prof. S. G. Nayak attended 8-day online FDP on "Outcome-Based Education and AI Tools for Teachers" from 10th to 18th August 2023, securing a grade.
- Prof. S. P. Amminabhavi attended one-week workshop on "Advanced Technologies in Electrical & Electronics Systems (ATEES-2023)",

from 3rd to 7th January 2023 at KLS GIT, Belagavi.

Students Corner

- Dr. B. S. Shalavadi coordinated a technical talk by Dr. Vidya H, HOD, E&E Engineering, Amrita University on 02.12.2024.
- Prof. S. P. Amminabhavi & Prof. Pradeep Vibhuti conducted a session titled "Career Opportunities for PUC Students in Electrical & Electronics Engineering" on 21.12.2023 at ICS Mahesh PU College, Dharwad.

Toppers List in Dec 2023 Examination

UG VII Semester

Place	Name	SGPA
First	Shwetha S. Akki 2SD20EE043	9.19
Second	Prabhgouda M. B. 2SD20EE025	9.19
Third	Sanjana Tigadimath 2SD20EE035	9.11

UG V Semester

Place	Name	SGPA
First	Shivaprasad Talawar 2SD21EE045	9.33
Second	Sujata Saunshi 2SD21EE052	9.30
Third	Alisha Uppin 2SD21EE008	9.07

UG III Semester

Place	Name	SGPA
First	Sanjana R Pamadi 2SD22EE038	9.01
Second	Lohit M. Komar 2SD22EE017	9.00
Third	Sharanya S. Shetty 2SD22EE040	8.83

UG I Semester

Place	Name	SGPA
First	Kruthika S Suryavanshi 2SD23EE027	9.95
Second	Bhoomika N Chikkannavar 2SD23EE014	9.9
Third	Rakshita Annappa Balagar 2SD23EE039	9.8

Congratulations to all the students



SDMCET EEE NEWS LETTER

S. D. M. College of Engineering and Technology, Dharwad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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(Our motto: Professional Competence with Positive Attitude)

Dr. S. G. Ankaliki, Editor-in-Chief | Prof. Pradeep S. Vibhuti, Editor | Dr. R. L. Chakrasali, Advisor

About the Department

The Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad, was established in the year 1979 with inception of the college with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA four times, recognised as the research centre by VTU and has been granted Academic Autonomy status from 2007. The department also offer PG program in Power Systems Engineering with an intake of 18 since 2012.

Students Training Activities

- Industrial Visit: Dept. of Electrical & Electronics Engineering organized industrial visit for UG & PG students to Nuclear Power Plant (NPCIL), Kaiga on 15th April 2023. A total of 26 students along with two faculties, two staff accompanied the industrial visit. Prof. S. P. Amminabhavi and Prof Pradeep Vibhuti Coordinated the event.

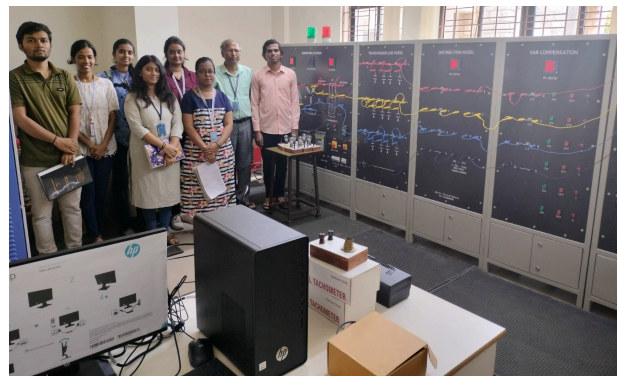
Editorial

I am delighted and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2023. I congratulate all the faculty, students and staff for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki



- Department of EEE organized training program on "Distribution Systems Analyzer Test Bench with SCADA and Compensation Module" for PG students and faculty members on 19th & 20th June 2023. Dr. S. G. Ankaliki coordinated the program.



Invited Talks/Interactions by Faculties

- Dr. R. L. Chakrasali acted as reviewer of various activities at Tontadarya College of Engineering which is being selected as one of the 30 institutions in Karnataka by the GOK under RETE (Regional Ecosystem for Technical excellence) on 21st April 2023.

S. Ankaliki

Head of the Department
of Electrical & Electronics Engineering,
S.D.M. College of Engg & Technology
Chavalagiri, DHARWAD-580 002

- Prof. V. R. Sheelavant acted as reviewer of various activities at Tontadarya College of Engineering which is being selected as one of the 30 institutions in Karnataka by the GOK under RETE (Regional Ecosystem for Technical excellence) on 21st April 2023.

Training Programs Attended by Faculty

- Prof. Nanadakumar C attended five days online short term course titled :Emerging Applications of AI and IoT: Opportunities and Challenges - 2023, organized by dept. of E&E, National Institute of Technology Jamshedpur for 22nd to 26th March, 2023.
- Dr. S. G. Ankaliki attended one-week Faculty Development Programme on "Recent Trends in Power Electronics and Power Systems held from 20th to 25th March 2023 organized by dept. of E&E Engineering, National Institute of Engineering, Mysuru.
- Prof. S. P. Amminabhavi has participated in the technical webinar on "Wind Energy Conversion System Challenges"-A Global Perspective, presented by Dr. S. Umeshkumar Prince Sultan University Riyadh organized by IE(I), Kattankulathur Local Centre and Dept. of EEE Institute of Science and Technology on 13th Feb 2023.
- Dr. R. L. Chakrasali attended doctoral committee meeting at MIT Manipal on 17th March 2023 in online mode.
- Prof. S. P. Amminabhavi published a paper in IEEE conference titled "Design and Analysis of PMDC Motor for Electric Vehicle Advanced Computing and Communication Technologies" with DOI:10.1109/ACCTHPA57160.2023.10083384, on 24th April 2023.
- Dr. R. L. Chakrasali, Prof V. R. Shelavant & Prof. S. G. Nayak presented a paper titled : "Green building design based on solar energy utilization taking the IE(I) DLC Premises as an example" in all India seminar organized by the IE (I) Dharwad local centre and Indian green building council Bengaluru on 17th April 2023.
- Dr. R. L. Chakrasali attended a workshop on

"IP Patents and Parior Arts" on 29th May 2023 at SDMCET Dharwad.

- Prof. V. R. Sheelavant attended a workshop on "IP Patents and Prior Arts" on 29th May 2023 at SDMCET Dharwad.

Paper Publications & Presentations

- Prof. S. G. Nayak published a paper entitled "Recognition of Alternative Power Flow Paths in Distribution Network under Line Outages Using Graph Theory Technique" in Scopus Indexed GIS Science Journal ISS No: 1869-9391 Vol. 9, ISSUE 12, 2022 Page No:503-510.
- Prof. S. G. Nayak published a paper entitled "Binderless nano marigold flower like structure of nickel sustainable super capacitor energy storage applications" in Research article in Journal of Energy Storage (Q1-Impact Factor 8.9, cite Score 8.4) Indexed
- Prof. S. P. Amminabhavi published a paper titled "Design and Analysis of PMDC Motor for Electric Vehicles" at the international conference on advanced computing and Communication Technologies for High performance Application (ACCTHPA 2023) organized by department of Computer Science FISAT Angamaly, Keral India on 20th-21st January 2023
- Prof. S. G. Nayak published a research article in Journal of - energy Storage (Q1-Impact Factor 8:9, Cite Score 8.4) on, "Binderless Nano Marigold flower like structure of Nis electrode for sustainable Super capacitor energy storage application
- Dr. R. L. Chakrasali published a research titled "Comparative analysis of photovoltaic characteristics using different models" in International Journal i.e Journal of Electrical & Power System Engineering e-ISSN:2582 -5712, Vol. 9 Issue -1 (Jan -Apr 2023) <https://doi.org/10.46610/JEPSE> . 2023. Vo 9:01.005 pp4141-005 PP41-52 published on March 11th 2023.

Students Corner

- Ms. Sakku C. M. & Mr. Vinay I Presented a paper on Green building design based on solar

energy Utilization taking the IE (I) DLC Premises as an example in All India Seminar organized by the IE(I) IEC Dharwad_and IGBC Bengaluru on 17th April 2023.

- Ms. Shwetha S. Akki _Presented a paper on Green Building Need of the hour for All India Seminar organized by the IE(I) IEC Dharwad and IGBC Bengaluru on 18th April 2023.

Toppers List in Jun 2023 Examination

UG VIII Semester

Place	Name	SGPA
First	Prateekha V Pai 2SD19EE028	9.67
Second	Chaitra M. Prasad 2SD19EE011	9.48
Third	Shreya V. Hegde 2SD19EE043	9.47

UG VII Semester

Place	Name	SGPA
First	Prateekha V Pai 2SD19EE028	9.64
Second	Shreya V. Hegde 2SD19EE043	9.45
Third	Sneha K. Bhat 2SD19EE047	9.44

UG VI Semester

Place	Name	SGPA
First	Shwetha S. Akki 2SD20EE043	9.28
Second	Prabhgouda M. B. 2SD20EE025	9.23
Third	Sanjana Tigadimath 2SD20EE035	9.17

UG V Semester

Place	Name	SGPA
First	Prabhgouda M. B. 2SD20EE025	9.32
	Sanjana Tigadimath 2SD20EE035	
	Shwetha S. Akki 2SD20EE043	
Second	Viashnavi Mural 2SD19EE054	9.22
Third	Rajeev G. K. 2SD19EE029	9.10

UG III Semester

Place	Name	SGPA
First	2SD21EE052	9.33
Second	2SD21EE008	9.23
Third	2SD21EE021	9.19

UG I Semester

Place	Name	SGPA
First	Shrinivas B. Hindi 2SD22EE043	9.34
Second	Sharanya S. Shetty 2SD22EE040	9.23
Third	Yogesh Patil 2SD22EE061	9.21

Congratulations to all the students



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About the Department

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Students Training Activities

- Department organized "Eight National Conference on Power System Engineering" NCPSE-2022 on 01st & 2nd July 2022. A total of 16 papers were presented by participants. A total of 15 papers were published in International Journal of Scientific Research in Engineering and Management. Dr. S. G. Ankaliki acted as the convenor. Dr. B. S.

Editorial

I am delighted and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2022. I congratulate all the faculty, students and staff for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

Shalavadi Prof. Pradeep S Vibhuti were the Coordinators of the NCPSE-2022

- Dr. G. D. Kamalapur organized a two day project exhibition on Engineering Exploration for the B & C division of second semester, where a total of 112 students participated in the exhibition.

Invited Talks/Interactions by Faculties

- Dr. R. L. Chakrasali delivered a talk on "Smart Grids" in National Conference organized by Sharnabasava University, Kalaburagi, on 02nd July 2022.
- Dr. R. L. Chakrasali was short listed for the post of Director IIIT Dharwad and called for personal interaction on 08th July 2022. He was one among 10 candidates across the nation to participate in the interaction.
- Dr. G. D. Kamalapur acted as a subject expert for faculty recruitment committee at KLEIT, Hubballi on 1st Oct 2022.
- Prof. S. P. Amminabhavi delivered a talk on the topic "Competence of Electricity Hazards and Safety" on 29th Nov 2022 at the IIE (India) Dharwad Local Centre, Dharwad.

Training Programs Attended by Faculty

- Dr. R. L. Chakrasali attended an online webinar on "Power Converters and Interdisciplinary Role in Electric Vehicles" organized by SDMCET, Ujire on 6th Nov 2022.
- Prof. G. D. Kamalapur, Dr. R. L. Chakrasali, Prof. Sunil Joshi, Prof. S. G. Nayak and Prof. V. R. Sheelavant visited 33/11 KV gas insulated substation at Vidyagiri, Dharwad on 05th Nov 2022.

Paper Publications & Presentations

- Prof. S. G. Nayak published a paper entitled "Implementation of A User Friendly Electro-Mechanical Conoweeder For Agricultural Application" in International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 06 Issue: 07 | July - 2022 ISSN: 2582-3930 DOI: [10.55041/IJSREM15755](https://doi.org/10.55041/IJSREM15755).
- Dr. R. L. Chakrasali and Prof V. R. Sheelavant published a paper "Predetermination of 3-4 written Pole Motor and Performance Parameters of 3-phase induction motor using Numerical Technique Tools" in an International Journal on Recent and Innovation Trends in computing and communicating (Scopus Indexed) ISSN 2321-8169 Vol. 71. No.35 (2022) DOI: <https://doi.org/10.1776/ijritec.V106.5628PP-8> to 18.
- Prof V. R. Sheelavant and Dr. R. L. Chakrasali published a paper "Modeling of 3 phase written Pole Motor and Performance Parameters of 3-phase induction motor using Numerical Technique tools" in an International Journal on Recent and Innovation Trends in computing and communicating (Scopus Indexed) ISSN 2094-0343, 2326-9865, Vol. 71 No. 35, <http://philstat.cop.ph> PP 8-18.
- Prof. S. G. Nayak published a paper in International Journal (Elsevier-Q2) "Biosynthesis of zinc oxide-cobalt oxide nanocomposite as electrode material and its performance evaluation for the sustainable hybrid super capacitor energy storage devices" <https://dpo.org/10.1016/j.cplett.2022.140058> which was accepted on 13th September 2022.
- Prof. S. G. Nayak published a paper entitled "Green Synthesis of Nickel Cobaltite Using Moringa Oleifera Plant Extract for Electrode Materials in Sustainable Super capacitor Energy Storage" in Springer Nature, International Journal of Electronics Material" (Q2) in December 2022.

Toppers List in Jan 2022 Examination

UG IV Semester

Place	Name	SGPA
First	Sanjana Tigadimath 2SD20EE035	9.41
Second	Shwetha S. Akki 2SD20EE043	9.34
Third	Prabhgouda M. B. 2SD20EE025	9.25

Congratulations to all the students



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Students Training Activities

- Dr. Arjun M, Asst. Professor EEE Dept. MIT, Manipal delivered a talk on Design and Analysis of Modern Power Converters to 5th Semester of EEE Dept on 10th Jan 2022. Prof. Manjula S. Sureban coordinated the event.
- Dr. G. D. Kamalapur conducted DO-IT-YOURSELF Project exhibition for First semester "E" Division students on 21st Feb

2022, 2.30PM to 5.00PM in the department of Electrical & Electronics Engineering. A total of 14 projects was exhibited by 55 students.

- Dr. G. D. Kamalapur conducted DO-IT-YOURSELF Project exhibition for First semester "F" Division students on 21st Feb 2022, from 2.30PM to 5.00PM in the department of Electrical & Electronics Engineering. A total of 15 projects was exhibited by 57 students.
- Alumni Mr. Suman Ganguly, 1992 Graduate of EEE, SDMCET, interacted on the topic "corporate world: Expectations and Reflections," to 6th semester students of EEE, on 20th June 2022. Dr. G. D. Kamalapur organized the alumni interaction session.

Achievements

- Mr. Rudresha S. J. Research scholar of EEE, SDMCET completed final Ph. D. viva voce on 8th Jan 2022 on "Development of Intelligent Technique to Analyze Voltage Stability in Distributed Generation Environment" under the guidance of Dr. S.G. Ankaliki.

Invited Talks/Interactions by Faculties

- Dr. R. L. Chakrasali delivered an invited talk on "Academic Ambience for Sustained Skill Development, Entrepreneurship and Employability" in AICTE - IST Sponsored induction / repression one week FDP organized by the Dept. of E&C Engg, SDMCET, Dharwad on 9th March 2022.
- Dr. G. D. Kamalapur delivered a talk during "SCIENCE DAY" for 1st semester students on the topic "Relevance of Science Day - Shri. C. V. Raman".

Editorial

I am delighted and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2022. I congratulate all the faculty, students and staff for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

- Prof. S. P. Amminabhavi attended the meeting as the subject expert of Trilingual Glossary of Engineering words (English-Hindi- Kannada) held at SDMCET, from 23rd to 27th March 2022 organized by the commission for Scientific and Technical Terminology (CSTT), Department of Higher Education, Ministry of Education, Govt. of India, New Delhi.
- Dr. S. G. Ankaliki attended as reviewer of examination process of Basaveshwar Engineering College Bagalkot on 26th March 2022.
- Dr. S. G. Ankaliki acted as a reviewer for IEEE International Conference on "Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2022)" organized by Ballari Institute of Technology and Management, Ballari in association with IEEE Bengaluru Section and IEEE International Society on 23rd and 24th April 2022.
- Prof. S. P. Amminabhavi nominated as a Faculty Coordinator for a session on "ಉದ್ಯಮಿ ಆಗು, ಉದ್ಯೋಗ ನೀಡು" organized by the Department of Industries and Commerce for final year students of all branches to motivate to become "successful entrepreneurs" on Friday 8th April 2022, from 9.30 to 3.30pm at college auditorium. This activity was initiated by the Government of Karnataka and VTU Belagavi.
- Dr. G. D. Kamalapur acted as a member enquiry committee VTU on 6 & 7 June 2022.

Training Programs Attended by Faculty

- Prof. S. P. Amminabhavi actively participated in the one-week workshop on "Advanced Technologies in Electrical and Electronic Systems (ATEES-2022) organized by department of Electrical and Electronics Engineering in association with IEEE Power and Energy student chapter and technically co-sponsored by IEEE North Karnataka Sub section (NKSS) during 03rd to 7th January 2022.
- Dr. R. L. Chakrasali attended one day

national level workshop on "Skill Enhancement in Technical Education through National Education Policy" jointly organized by NITTE Meenakshi Institute of Technology and ISTE New Delhi on 29th March 2022.

- Dr. R. L. Chakrasali attend one day workshop on 23rd May 2022 on "IPR & design and Patents" organized by SDM College of Engineering Technology, Dharwad in association with Rajiv Gandhi Institute of IPR, Nagpur, under Ministry of Industry and commerce, Govt. of India, New Delhi.
- Dr. S. G. Ankaliki attend a webinar on "Digital Transformation" held on 21st May 2022 organized by Sri. Sharada Institute of Indian Management -Research, New Delhi.
- Dr. R. L. Chakrasali attended two days workshop on "Block Chain Technology" organized by Dept. of CSE, SDMCET, Dharwad on 17th & 18th May 2022.

Paper Publications & Presentations

- Dr. G. D. Kamalapur published a paper on "Mitigation of Power Quality Issues using DSTATCOM", in European Journal of Advances in Engineering and Technology, 2021, 8 (12) pp 1-6.
- Prof. Manjula S. Sureban published a paper on Damping Power System Oscillation using SSSC in SDMCET Technical Journal Vol. 4 Issue 1 June 2022.
- Dr. G. D. Kamalapur published a paper titled "NALANDA - The First University of India" in International Omni Science multi-disciplinary journal Vol. 11, Issue 3, 2021 PP 33-37.
- Prof. S. G. Nayak published a paper titled "Green synthesis of Silver-Zirconia composite using chitosan biopolymer binder for fabrication of electrode materials in supercapattery application for sustainable energy storage" in Elsevier Journal Current Research in Green and Sustainable Chemistry".
- Dr. R. L. Chakrasali published a paper titled "Power Transfer Capability Recognition in Deregulated System Under Line Outage Condition Using Power World Simulator" in International Journal of Electrical Engineering and Automation, ISSN: 2582-3051, -3051)

DOI: <https://doi.org/10.36548/jeea.2021.4.003> published on 5th Jan 2022.

- Prof. S. P. Amminabhavi published a research paper on "A Novel Idea for Protection Against Battery Induced Fire Hazard in Electrical Vehicles in IJARST, Vol. 2, Issue 1, March 2022 International Journal of Advanced Research in Science, Communication and Technology ISSN No: 2581-9429.
- Prof. S. P. Amminabhavi published a paper titled "A Comprehensive Study of Electric Vehicle Components, Applications, Limiting Factor and Protocols" in International Journal for Research in Applied Science and Engineering Technology (IJRASET) Vol. 10, Issue IV, (2321 – 9653), April 2022.
- Dr. G.D. Kamalapur published a paper titled "M2M Communications in the power Factor" in IEEEEMA Journal Vol13, ISSUE 10, June 2022, PP 55-58
- Prof. S. P. Amminabhavi published a paper titled "MATLAB Simulation for Power factor correction" in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 10, Issue IV April 2022.

Students Corner

- Mr. Sulibhavi Vishwanth & Dr. S. G. Ankaliki published research paper titled "Harmonic Analysis of Non-Linear Loads in Distribution System and Mitigation Linking Passive Filters" in International Research Journal of Engineering and Technology (IRJET) Vol. 9, Issue 5, pp 1508 – 1515, May 2022 and ISSN : 2395- 0056, p-ISSN: 2395-0072.
- Miss Shravani S has Secured 1st Place in Do It Yourself, an event of INSIGNIA-22 at SDM College of Engineering & Technology, Dharwad on 10th & 11th June 2022.
- Shwetha S Akki, Sanjana C Tigadimath, Vishnavi B Muralli, Suma T, Rakshita B Halemani, Rohit More, Vinayak M N, Satwik R. N., Vinayak A. D. Abhishik G. R participated in the "Upskilling program" on Solar Energy Systems Theory and Hands – on organized by GCoE-ACE, IIT Dharwad and Low's India Pvt. Ltd from 24th Feb 2023

at IIT, Dharwad

Toppers List in Jan 2022 Examination

UG III Semester

Place	Name	SGPA
First	Shwetha S. Akki 2SD20EE043	9.31
Second	Sanjana Tigadimath 2SD20EE035	8.9
Third	Prabhgouda M. B. 2SD20EE025	8.71

UG I Semester

Place	Name	SGPA
First	Alisha Uppin 2SD21EE008	9.90
Second	Karthikeya Kiresur 2SD21EE020	9.59
Third	Keerti Patil 2SD21EE021	9.55

Congratulations to all the students



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Students Training Activities

- E & E Engg. department organized a webinar on "A Guidance Program on Career Opportunities after B.E", on 30th August 2021. Mr. Ramesh, faculty member from ACE, Engineering Academy, Hyderabad was the resource person.
- A program on training and placement for 5th semester students was arranged by Dr. G. D.

Kamalapur and Prof. V. R. Sheelavant on 28th November 2021. Prof. R. G. Dastikoppa, Training & Placement officer, SDMCET, Dharwad, was the resource person.

Invited Talks/Interactions by Faculties

- Dr. G. D. Kamalapur acted as a member of VTU online Local Inquiry Committee, on 22nd & 23rd July 2021.
- Dr. G. D. Kamalapur was invited as a guest speaker for First International Conference at VDRIT Haliyal on "Emerging Scientific Applications in the field of Engineering and Technology" on 23rd & 24th September 2021.
- Dr. G. D. Kamalapur was invited as a subject expert for faculty recruitment of VDRIT Haliyal on 23rd & 24th October 2021.
- Dr. S. G. Ankaliki acted as reviewer for the research papers submitted to the 2021 IEEE International Conference on "Distributed Computing, VLSI, Electrical Circuits and Robotics (2021 IEEE DISCOVER)", organized by IEEE Mangaluru sub section in association with IEEE Bengaluru section at N. M. A. M. Institute of Technology, Nitte, Karnataka, during 19th & 20th November 2021.
- Dr. S. G. Ankaliki acted as reviewer for International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021) organized by the Department of Electronics and Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumkur, in association with IEEE Bengaluru section on 03rd & 04th December 2021.

Editorial

I am delighted and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2021-2022. I congratulate all the faculty, students and staff for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

- Dr. R. L. Chakrasali attended Board of Studies meeting of BITM Ballari in online mode on 15th November 2021.

Training Programs Attended by Faculty

- Prof. S. P. Amminabhavi participated in AICTE Training and Learning (ATAL) Academy online Elementary FDP on "Recent Trends in Power System Operation and Control" from 12th to 16th July 2021 at Government College of Engineering.
- Dr. R. L. Chakrasali participated in the university distinguished Lecture titled "Creating a Vibrant Knowledge Society" - an Indian Strategy for 21st Century" delivered by Dr. Kasturirangan, Chairman, National Education Policy (NEP) - 2020 and special address by Dr. Audimulapu Suresh Hon'ble Minister for Education, Andhra Pradesh, organized by SRM University-AP, in association with India's national newspaper, "The Hindu" held on 24th July 2021.
- Prof. S. G. Nayak attended online AICTE sponsored STTP on the topic "Applications of Machine Learning and Artificial Intelligence Techniques for Control of Future Grid" organized by the Department of Electrical & Electronics Engineering, NMAM Institute of Technology, Nitte on 02nd July 2021
- Dr. S. G. Ankaliki attended online National Level Short Term Training Program (STTP) on "Outcomes- Based Teaching, Assessments and Evaluation" jointly organized by NBN Sinhgad School of Engineering Pune and Inpods Inc., USA from 02nd to 04th August 2021.
- Prof. S. P. Amminabhavi participated in national webinar on "The Role of Engineers in Space Research" held on 27th August 2021, organized by the department of Computer Science and Engineering, SDMCET, Dharwad in association with Karnataka Science and Technology Academy, Government of Karnataka, Bengaluru.
- Dr. R. L. Chakrasali participated in national

webinar on "Role of Engineers in Space Research" held on 27th August 2021 organized by the Department of CSE, SDMCET, Dharwad in association with Karnataka Science and Technology Academy, Government of Karnataka, Bengaluru.

- Prof. S. P. Amminabhavi participated in ETAP webinar on the topic "Monitoring, Control, Automation and Management on 1st Sept 2021 organized by ETAP.
- Dr. G. D. Kamalapur participated in the webinar on "Electrical Charging Stations and Standards" conducted by GIT Belagavi on 16th, sept. 2021.
- Dr. S. G. Ankaliki participated in online national level faculty development program (FDP) on "Advanced Concepts of Outcome - Based Education" organized by Inpods India Private Ltd., from 6th to 8th October 2021
- Dr. S. G. Ankaliki has participated in IEEE conference 2021 - first Edition of the Flagship International conference series of IEEE Mysore subsection in association with IEEE, Bengaluru section hosted by Shri M. S Ramaih NAVKIS Collage of Engineering, Hassan during 24th and 25th October 2021.
- Prof. S. P. Amminabhavi participated in AICTE sponsored Online Short Term Training Program (STTP) on "Emerging Issues of VLSI Design" from 22nd to 26th November 2021, organized by the Department of Electronics & Communication Engineering, School of Engineering & Technology (SOET), ITM University Gwalior.
- Dr. S. G. Ankaliki participated and successfully completed one week online Faculty Development Programming (FDP) on "Challenges in Evolving Power Systems" organized by the Department of Electrical and Electronics Engineering, Finolex Academy Of Management and Technology Ratnagiri, Maharashtra, from 22nd to 27th Nov 2021

Paper Publications & Presentations

- Dr. S. G. Ankaliki published a paper titled "Restructuring of Distribution System for Voltage Profile Improvement and Loss Reduction using BPSO" in International Journal of Innovative Research in Electrical, Electronics,

Instrumentation and Control Engineering
Vol. 9, Issue.7, pp100-107, July 2021 ISSN
(Online) 2321-2004, ISSN (Print) 2321-5526 .

- Prof. S. P. Amminabhavi published a paper titled "Attenuation of Environmental Noise Using Digital Filtering" in Journal of Emerging Technologies and Innovative Research (JETIR) July 2021, Volume 8, Issue 7, pp 913-921, (ISSN-2349-5162)
- Dr. G. D. Kamalapur published a paper titled "Hybrid Energy Network Systems using HOMER Pro Feasibility Study of the Rural Network Case Study" in Turkish Online Journal of Qualitative Inquiry (TOJOQI) Volume 12, Issue 7, July 2021: PP1427-1439
- Mahesh Yanagimath (Research Scholar) & Dr. Shekhappa Ankaliki published a paper titled "Lossless Compression of Synchrophasor Data in Wide Area Monitoring (WAM) of Power System" in International Journal of Innovative Research in Technology (IJIRT) Vol. 8, Issue 6, pp.404-409 November 2021, ISSN: 2349-6002 (UGC Recognized)
- Prof. S. G. Nayak published a paper titled "Nickel Phosphide – Polyaniline binary composite as electrode material for supercapattery application" materials Today Proceedings, in Scopus Indexed Elsevier Materials Today Journal. <http://doi.org/10.1016/j.inatpr.2021.11.221>

Students Corner

- Alumni Deepa Havaladar - 2009 batch graduate E&E and Shashank Jahagirdar - 2009 batch graduate mechanical department interacted and shared their experiences in IT, Startups etc., with the VII semester E&E students.
- Project titled "Attenuation of Environmental Noise using Digital Filtering" has been selected for VTU under financial assistance for Innovative project scheme for the year 2020-21 Pooja Sheelavant, Ramya Desai, Shreelakshmi Parvatikar & Sushmitha Shree were team associates under the guidance Prof. S. P. Amminabhavi.

Toppers List in December 2021 Examination

UG VII Semester

Place	Name	SGPA
First	Nayana M Chatakondi	9.32
Second	Nayana S Haller	9.21
	Sakshi Hegde	
Third	Pragati P Sali	9.11
	Vadigeri Seema	
	Vaishnavi R Hosalli	

UG V Semester

Place	Name	SGPA
First	Prateeksha V Pai	9.88
Second	Shreya N Hegde	9.77
Third	Sneha K Bhat	9.54

UG III Semester

Place	Name	SGPA
First	Shwetha S Akki	9.31
Second	Sanjana C Tigadimath	8.90
Third	Prabhugouda M Bannetti	8.71

Congratulations to all the students



SDMCET EEE NEWS LETTER

S. D. M. College of Engineering and Technology, Dharwad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UG Program Accredited by NBA under Tier-I (July 2018 - June 2022)
(Our motto: Professional Competence with Positive Attitude)

Dr. S. G. Ankaliki, Editor-in-Chief | Prof. Pradeep S. Vibhuti, Editor | Dr. R. L. Chakrasali, Advisor

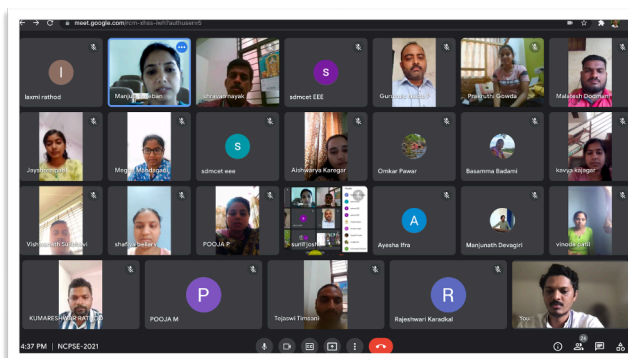
About the Department

The Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad, was established in the year 1979 with inception of the College with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA thrice, recognised as the research centre by VTU and has been granted Academic Autonomy status from 2007. The department also offer PG program in Power Systems Engineering with an intake of 18 since 2012.

Events

- E & E Engg. department organized Seventh National Conference on Power Systems Engineering NCPSE- 2021 (Online) in association with HESCOM, Hubballi & The Institution of Engineers (India) Dharwad Local Centre, Dharwad on 1st and 2nd July, 2021. Dr. R.L.Chakrasali, Chairman Institution of Engineers, Dharwad local centre being a chief

guest, highlighted new avenues for power system engineers. Dr. Girish V. Executive Engineer, ALDC, HESCOM Hubballi being a guest of honour spoke about the challenges for power system engineers and also opportunities for PG students to work on real time problems in HESCOM.



- Dr. Likith Kumar M. V., Associate Professor, EEE, Dept., National Institute of Engineering (NIE) Mysore delivered an invited talk on "Next Generation Power Distribution Grids" to UG final year & PG students on 1st July, 2021.
- Prof. Rudresh S. J., Asst. Professor, EEE, Dept. PES Institute of Technology and Management, Shivamogga, delivered an invited talk on "Impacts of Distributed Generation in Distribution System" to UG final year & PG students on 2nd July, 2021.
- Prof. Mahesh Yanagimath, Asst. Professor, EEE, Dept. Hirasugar Institute of Technology, Nidasoshi, Belagavi and Research Scholar (EEE,SDMCET) delivered an invited talk on "Classical Lossless Compression of Synchrophasor Data in (Wide Area Monitoring System) WAMS", to UG final year & PG students on 2nd July, 2021.
- Department has organized a two days workshop on "Real Time Transmission Line Simulator Test Bench with SCADA (3PH) Model

Editorial

I am pleased and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2020-2021. I congratulate all the faculty and students for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki



with Series Compensation Module" on 11th & 12th Feb 2021 for M.Tech (Power Systems) first year students, Dr. S. G. Ankaliki, Head of The Department, Prof. Nandakumar C., Prof. Manjula Sureban, Prof. Pradeep S. V, and technical staff of the department participated in the workshop. Mr. Somnath Guha, Senior Engineer & Mr. Siddharaja, Technical support, from Power Research and Development Consultants Pvt. Ltd, Bengaluru were the resource persons for the workshop.

- One-week AICTE-ISTE Sponsored Induction/ Refresher programme (online) on "Accreditation: An Accelerator for Quality Improvement in Engineering Education" was organized in association with Electronics & Communication Engineering Department SDMCET, Dharwad from 18th to 24th February, 2021. Dr. Prakash Munoli, Dr. S. G. Ankaliki, Dr. U. P. Kulkarni & Dr. Uma B. V., acted the resource persons.

Recognition

Dr. R. L. Chakrasali received Scroll of Honour certificate from The IE(I) Kolkata for contribution to technology and nation building on 04th February, 2021.

Students Training Activities

- Prof. Manjula Sureban conducted workshop on MATLAB on 2nd February, 2021 for first year PG students exploring m-file & SIMULINK examples in MATLAB,
- Prof. S. P. Amminabhavi has guided Spoorti S. K., 8th semester student in connection to a talk on topic "LESSONS OF FAILURE" which was organized by ICT Academy Youth Talk India 2021.
- Prof. Nandakumara C., Coordinated the Training on "C program and Data Structures" organized for 6th & 8th semester EEE

students under Centre of Industry Institute Interface (CIII)". A total of 97 students participated in the training through virtual mode.

- Prof. T. M. Timsani, Prof. P. S. Vibhuti & Prof. Sanjeeth P. A. conducted an "Online Aptitude and Reasoning Test" as a part of training activity in the department for VI semester students on 19th June 2021. A total of 70 students attended the test.

Project Proposals

Prof. S. N. Nayak, Prof. M. S. Sureban & Prof. P. S. Vibhuti presented a research proposal in front of research review committee of SDMCET, on the topic "Renewable Energy Based Intelligent Energy Storage System".

Invited Talks/Interactions by Faculties

- Dr. G. D. Kamalapur acted as a resource person in a webinar on 'Rural Electrification in India and Feasibility Study of Solar Home System', organized by KLE Institute of Technology, Hubballi on 7th Jan, 2021.
- Dr. G. D. Kamalapur interacted with first semester G-division students on a topic "Opportunities for Engineers" on 27th Jan 2021.
- Dr. S. G. Ankaliki has delivered invited talk on "Discussion on NBA and Self-Assessment Report (SAR) Filling (Criteria 5 to 10) in one-week AICTE-ISTE Sponsored Induction / Refresher programme (online) on "Accreditation: An Accelerator for Quality Improvement in Engineering Education" organized by Electronics & Communication Engineering department SDMCET, Dharwad from 18th to 24th February 2021
- Dr. R. L. Chakrasali participated in a webinar organized by BEC, Bagalkot in association with Bharatiya Shikshan Mandal and Niti Aayog on the theme "Role of Teacher in NEP Implementation" held online on 21st Feb, 2021
- Dr. G. D. Kamalapur acted as a reviewer in 6th International Conference for Convergence in Technology (ICCT) During the 2nd to 4th April, 2021 at IEEE Bombay.

- Prof. V. R. Sheelavant delivered a session in a webinar on "Basics of Electrical Engineering in Vehicle Wiring" to 35 employees of Tata Marcopolo, Dharwad division, on 25th May, 2021.
- Prof. S. G. Nayak delivered a session in a webinar on "PLC & Sensors" to 49 employees of Tata Marcopolo, Dharwad division, on 05th June, 2021.
- Prof. P. S. Vibhuti delivered a session in a webinar on "Electrical Vehicle (EV) and Technology" to 43 employees of Marcopolo on 03rd June, 2021.

Training Programs Attended by Faculty

- Dr. S. G. Ankaliki participated in AICTE Training and Learning (ATAL) Academy online FDP on "Electrical & Computer Engineering from 04th to 08th Jan, 2021 at National Institute of Technology, Raipur.
- Dr. S. G. Ankaliki & Prof. Sanjeeth P. A. participated in a five days online Faculty Development Program on "Operational Planning in Electric Distribution Systems organized by Dept. of EEE BIET, Devanagere in association with the Institution of Engineers (India) held from 11th to 15th Jan, 2021.
- Dr. S. G. Ankaliki participated in AICTE Training and Learning (ATAL) Academy online FDP on "Blockchain" from 18th to 22nd Jan, 2021 at JSS Academy of Technical Education, Bengaluru.
- Dr. S. G. Ankaliki attended Six days AICTE Sponsored STTP online on "Smart Grid Technologies for Energy Efficiency and Active Demand Side Management" organized by E&E Engg Dept. New Horizon College of Engineering from 1st to 6th Feb, 2021
- Prof. M. S. Sureban participated in the workshop on "Mathematical Modelling and its Application to Electrical Engineering" organized by the department of Electrical and Electronics Engineering, SSN College of Engineering, Chennai, during the 15th to 19th Feb, 2021.
- Prof. S. G. Nayak and Prof. M. S. Sureban attended one week ISTE Sponsored online STTP held at Sanjay Ghodavat University, Kolhapur on the topic "Python and MATLAB Programming" from 1st to 5th March, 2021.
- Dr. S. G. Ankaliki has attended five days online FDP on "Research Opportunities in Electrical & Electronics Engineering" organized by the department of EEE, MVJ College of Engineering in association with IETE Bengaluru, from 1st March to 5th March, 2021.
- Prof. S. P. Amminabhavi participated in online FDP Design Flow using Python Framework held from 15th to 17th March, 2021 in association with CoreEL Technologies and Xilinx.
- Dr. B. S. Shalavadi participated in 5 days online FDP program on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 22nd to 23rd March, 2021
- Dr. R. L. Chakrasali attended online conference on "Academic Integrity and the Role of the Similarity Report" organized by Turnitin, Noida, India on 23rd April, 2021
- Dr. S. G. Ankaliki has participated in National webinar on "Promoting Academic Integrity and Prevention of Plagiarism in Higher Education Institutions" organized by Research Cell of Guru Nanak Khalsa College, of Yanunanagar, in association with Turnitin South Asia on 30th May, 2021
- Dr. S. G. Ankaliki participated in National webinar on "Program Design Concepts NAAC and NEP 2020" organized by in pods Ed-Tech on 05th May, 2021.
- Dr. S. G. Ankaliki participated in the National webinar on "How to publish successful Research paper" jointly organized by the Dept. of Aeronautical Engg and National Digital Library Club, Nehru Institution of Tech Coimbatore, Tamilnadu on 11-6-2021
- Prof. P. S. Vibhuti participated in one-week international webinar series on "Recent trends and Challenges in Electrical vehicle Technology" organized by the department of Electrical & Electronics Engineering Department, BLDEA's College of Engineering

& Technology, Vijayapur from 21st to 25th May, 2021

- Dr. S. G. Ankaliki has participated in a webinar on "Future of Data Science" held on 21st June, 2021 organized by Sri Sharada Institute of Indian Management and Research, New Delhi.

Paper Publications & Presentations

- Prof. S. G. Nayak and Prof. M. S. Sureban presented a paper titled "A compressed air energy storage system for rural household applications" in the Scopus indexed, IEEE International Conference on Electrical Systems (ICEES21) held at SSN Engineering College, Chennai in Virtual mode between 11th to 13th Feb, 2021.
- Dr. G. D. Kamalapur published a paper titled "Power Management in DC Microgrid", in European Journal of Advances in Engineering and Technology, 2021.
- Prof. Manjula Sureban published a paper titled "Detection and Classification of Fault in the Transmission Line Using Wavelet Transform" in manager's Journal on Circuits and Systems, Vol. 8 | No. 1 | January - June 2020.
- Dr. G. D. Kamalapur published an article titled "Nuclear Energy in India" in National Magazine Electrical India Feb 2021, Vol. 61 No. 02 PP 24-29.
- Dr. S. G. Ankaliki and Rudersha S. J., Research Scholar Published a research article titled "Application of Hybrid Techniques of optimal Position and Sizing of Distributed Generation Unit in radial Distribution System" in International Journal of Electrical Engineering and Technology (IJEET) Vol. 12, Issue-2, PP 90-99 ISSN Print: 0976-6545 (Scopus Indexed), February 2021
- Dr. R. L. Chakrasali Published a paper titled "Written Pole Motors A few aspects" in unpaid journal of Digital Integrated Circuits in Electrical Drives, MAT Journals, Vol. 6, Issue-1 (Jan-April 2021) PP-16-21 with Google Scholar indexing.
- Dr. R. L. Chakrasali & Prof. V. R. Sheelavant Published a paper titled "Modeling of 3

Phase Induction Motor and Analysis using Numerical Methods" in International Conference on Intelligent Technologies (CONIT) Karnataka, India, held during 25th to 27th June, 2021

Students Corner

- Spoorti S. K. 8th semester student participated in Youth Talk India 2021 and delivered a talk on "Lessons of Failure" on 30th Jan, 2021, organized by ICT Academy.
- Sumeet V. Garag 8th semester student cleared GATE-2021.
- Omkar P. Pawar presented a paper in ADVITIYA-21 organized by EEE department, KLEIT, Hubballi.
- A total of 15 papers were presented by UG, PG and research scholars in Seventh National Conference on Power Systems Engineering NCPSE- 2021 (Online) on 1st and 2nd July, 2021.

Toppers List in July 2021 Examination

UG VIII Semester

Place	Name	SGPA
I	Shreelakshmi S Parvatikar	9.89
II	Sahana Hiremath	9.88
III	Vidya Gondi	9.78

M.Tech IV Semester

Place	Name	SGPA
I	Aishwarya Karegar	9.82
II	Pooja P	9.48
III	Manisha	9.26

Congratulations to all the students



SDMCET EEE NEWS LETTER

S. D. M. College of Engineering and Technology, Dharwad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

UG Program Accredited by NBA under Tier-I (July 2018-July 2021)

(Our motto: Professional Competence with Positive Attitude)

Dr. S. G. Ankaliki, Editor-in-Chief | Prof. Pradeep S. Vibhuti, Editor | Dr. R. L. Chakrasali, Advisor

About the Department

The Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad, was established in the year 1979 with inception of the College with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA twice in the past and third time for a period of 3 years (July 2018 to June 2021 under tier-I), recognised as the research center by VTU and has been granted Academic Autonomy status from 2007. The department also offer PG program in Electrical Power Systems Engineering with an intake of 18 since 2012.

Events

- E & E Engg. department organized Sixth National Conference on Power Systems Engineering NCPSE- 2020 (Online) in association with HESCOM, Hubballi & The Institution of Engineers (India) Dharwad Local Centre, Dharwad on 1st and 2nd July, 2020.

Dr. R. L. Chakrasali delivered the key note address on deregulation in power systems. A total of 24 papers were presented.

- Demonstration of a unit fabricated for 'Independent Recording of Lectures' using mobile done in the presence of Dr. K. Gopinath, Principal, all the Deans and HODs. This unit is designed and developed at E&E dept. by Prof. V. R. Sheelavant with assistance of Sri. G. B. Koppad, Sri Ravi Moger and Sri Manjunath Badiger.



SDM College of Engineering and Technology
An Autonomous College Under VTU, and Recognised by AICTE
Ranked by NIRF in 200-250 band, All UG branches Accredited by NBA under Tier-I



IEEE
Student Chapter SDMCET

Webinar on

Data Science, Machine Learning and Artificial Intelligence



DATA SCIENCE

Organised by
Department of Electrical & Electronics Engineering & IEEE Student Chapter



All Participants will receive certificate

Speaker

Anjaneyalu T

Data Scientist, Claim Genius Hyderabad

Alumnus of Mechanical Engineering, SDMCET

 <https://meet.google.com/ibz-obov-kfs>

 Sunday 29th November 2020

 9:00 Am

Dr. Satish B
IEEE Branch Counselor, SDMCET

Contact
Prof. Shrivankumar Nayak
Prof. Pradeep S Vibhuti
9611828528

Dr. S. G Ankaliki
H.O.D EEE

Dr. K. Gopinath
Principal, SDMCET

Editorial

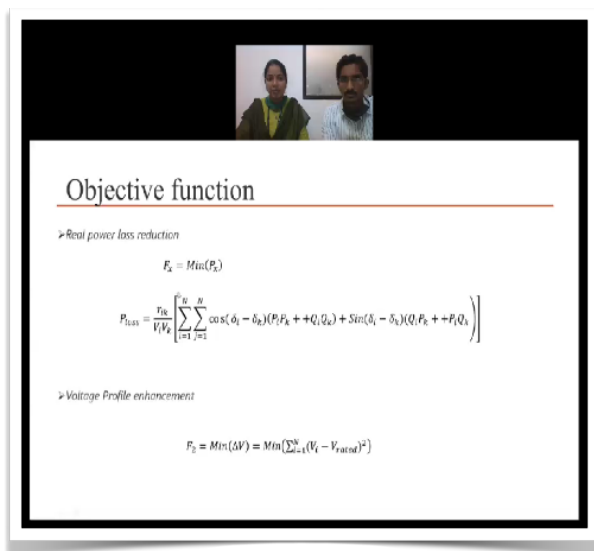
I am pleased and privileged to place the newsletter of E & E Engg Department, containing the academic, co- curricular and extracurricular activities for the year 2020-2021. I congratulate all the faculty and students for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

- Department conducted an online "Induction Program" for 3rd semester EEE students to commemorate Dr. APJ Abdul Kalam birthday observed as worlds students' day. All faculties of EEE dept., Staff and Students of III semester attended the program on 15th October 2020 at 3.00 pm.
- The department conducted PG Alumni online meet - 2020 on 17th October 2020. All faculties, Staff & Alumni from first (2012) batch to recently passed out batch participated. A total of 60 Alumni registered for the meet. Prof Sanjeeth P. Amminabhavi, Prof. Nandakumar C.,

Prof. Manjula Sureban and Prof. Pradeep S. Vibhuti coordinated the event.

- An Idea Presentation Competition on the theme "Ingenious Thoughts - 2020", on novel engineering solution for societal problems was conducted for EEE & ECE students on 23rd October 2020. Prof.



Manjula S Sureban & Dr. S. S. Shirkol coordinated the event.

- Three Days Virtual Workshop on "Applications of Artificial Neural Networks in Power Systems Engineering" was conducted by Prof. Manjula S. Sureban for EEE students of SDMCET.
- The department in collaboration with The Institution of Engineers (India), Dharwad Local Centre organized an Open webinar to all on 'Android Application Development without Coding Using MIT App Inventor' on 20th December 2020. Mr. Sadanand Pamadi, Co Founder, Mitras IT and AI Solutions, Hubballi, was the resource person. A total of 279 students participated in the event.
- The department in collaboration with The IEEE Student Chapter, SDMCET, organized a webinar on 'Data Science, Machine Learning & Artificial Learning' on 29th November 2020 for the students of E&E Engineering. Mr. Anjaneyalu T, Data Scientist, Claim Genius, Hyderabad, was the resource person.
- Prof. P. P. Kuralupe conducted an Online

"Quantitative Aptitude and Reasoning Test" to students of all branches of SDMCET on 8th July 2020. A total 230 students participated in the test.

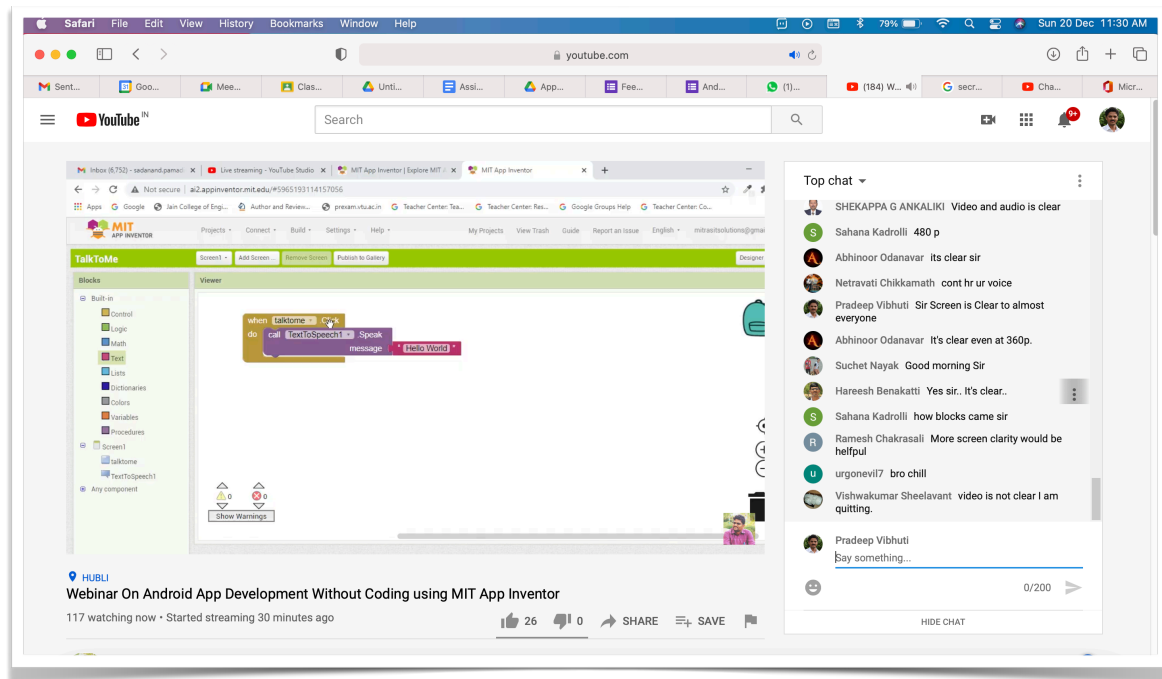
Project Proposals

- Submitted a Project Proposal titled 'Standalone Hybrid System Involving Photovoltaic, Micro Turbine and Ultra Capacitor Sources' by Dr. B. S. Shalavadi, Principal Investigator & Prof. V. R. Sheelavant, Co-Investigator to VGST
- Submitted a Project Proposal to Department of Science & Technology on 'Design and development of compressed air energy storage system for rural household application', by Prof. Manjula Sureban, Investigator & Co-Investigator Prof. S. G. Nayak, on 30th November 2020.
- Submitted a Project Proposal for Department of Science & Technology on 'Synthesis characterisation and fabrication of electrode materials for super-capacitor applications using transition metal oxide and their component', by Dr. M. R. Kappali, Investigator & Co investigator Prof. S. G. Nayak, applied on 30th November 2020.

Invited Talks

- Dr. R. L. Chakrasali delivered a talk on "Smart Grid and Deregulation - Research Awareness" in National faculty Development program with

theme 'Thrust Areas for Research in Power and

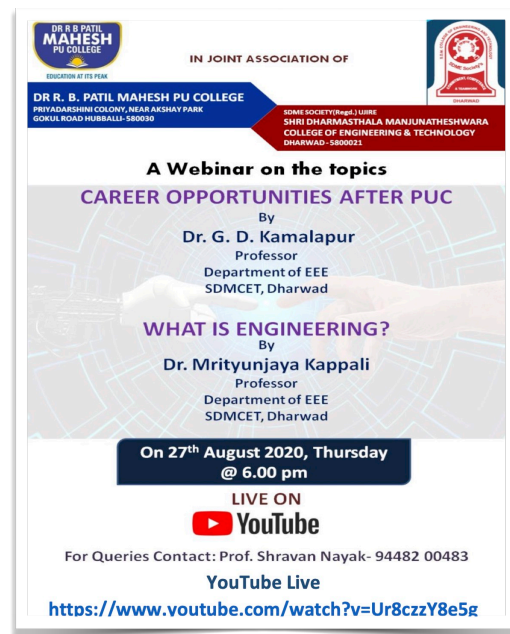


Energy Systems' organized by VDRIT, Haliyal on 7th August 2020.

- Dr. M. R. Kappali delivered a talk on "What is Engineering?" in Webinar organized by SDMCET, Dharwad and Mahesh PU College, Hubballi on 27th August 2020 and was Live on YouTube.
- Dr. M. R. Kappali was invited as Chief Guest for 'Engineers Day celebration' at The Institution of Engineers (India), Dharwad Local Centre and delivered a talk on the theme "Engineers for Self Reliant India" on 15th September 2020.
- Prof. S. P. Amminabhavi delivered an invited talk on "Solid State Transformers" to members of The Institution of Engineers (India), Dharwad Local Centre, Dharwad on 20th October 2020
- Prof. S. G. Nayak delivered a lecture on the topic "Electricity" for the 10th Standard Kannada Medium students, Rural High School at Gokarna as a part of community service.
- Prof. Pradeep Vibhuti conducted a training session (online) on "Electric Vehicle" for 26 employees of Tata Marcopolo on 12th Nov 2020.
- Prof. Pradeep Vibhuti delivered an invited talk on "Data Structures-A Few Aspects" to the members of The Institution of Engineers

(India), Dharwad Local Centre, Dharwad on 11th November 2020.

- Prof. Tejaswi M. Timsani delivered an invited talk on "Optimal Placement and Sizing of Distributed Generation Using Multi objective Index" to members of The Institution of



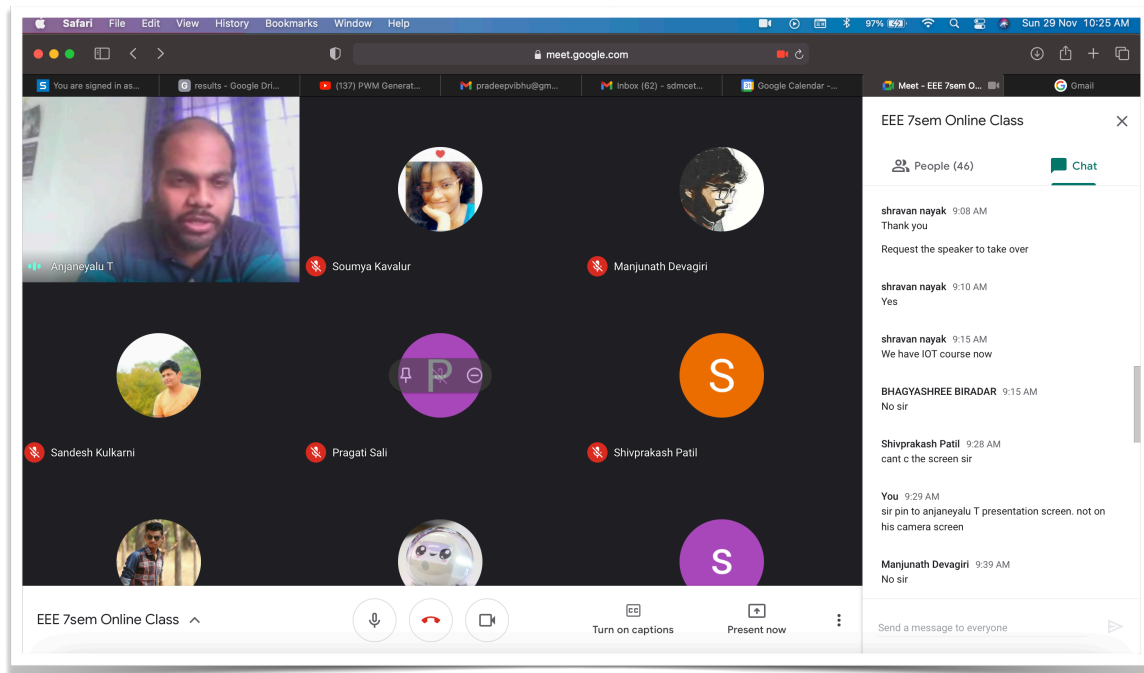
Engineers (India), Dharwad Local Centre, Dharwad on 24th November 2020.

- Prof. Manjula Sureban delivered an invited talk on "Importance of Artificial Intelligence techniques in Electrical Power System" to the members of The Institution of Engineers

(India), Dharwad Local Centre, Dharwad on 24th November 2020.

Training Programs Attended by Faculty

- Prof. S. P. Amminabhavi attended Online Quiz on "Renewable Energy Basics for Professionals" on 3rd July 2020 organized by KLE, Institute of Technology, Hubli and HESCOM.
- All faculty members of EEE Dept., in two days online National Conference on "Power Systems Engineering" NCPSE-2020 organized by Dept. of EEE, SDMCET, Dharwad in association with HESCOM, Hubballi & The Institution of Engineers (India) Dharwad Local Centre, Dharwad on 1st and 2nd July, 2020.
- Prof. P. S. Vibhuti participated in a webinar on "Electrical Vehicle: Design, Development and Testing" conducted by EEE Dept. BEC, Bagalkot on 4th July 2020.
- Dr. R. L. Chakrasali, Prof. S. P. Amminabhavi, Prof. T. M. Timsani & Prof. Pradeep Vibhuti participated in a webinar on "Power Electronics in Industry" organized by the Dept. of EEE, BEC, Bagalkot held on 8th July 2020.
- Dr. S. G. Ankaliki participated in Five Days Online FDP on "Contemporary Research & Communication and Computer Science" organized by the Department of Electronics and Communication, VTU, Centre for Postgraduate Studies Kalaburagi in association with IETE from 6th to 10th July 2020.
- Dr. R. L. Chakrasali participated in a webinar on 'SG Technology' organized by KSSE Bangalore on 16th July 2020.
- Prof. S. P. Amminabhavi participated in a webinar on "Roadmap of Autonomous Vehicles" conducted by department of E&C, Cambridge Institute of Technology, Bangalore, on 20th July 2020.
- Dr. S. G. Ankaliki participated and Completed an online course on "Smart Grid Technology" Conducted by REVA University IEEE PES Student Branch Chapter in association with IEEE PES Bangaluru Chapter held during 16th to 20th July 2020.
- Dr. S. G. Ankaliki participated in Technical Education Quality Improvement Programme (TEQIP-III) Sponsored International workshop on "Electric Power Grid Modernisation: Trends, Challenges and Opportunities" held from July 20th to 24th 2020 organized by NIE, Mysore.
- Dr. S. G. Ankaliki has been inducted as Technical Committee Member in i-manager's Virtual Conference on Data Science and Engineering New Approaches in Information Management (VCDE; NAIM2020) held ONLINE on 30th September 2020.
- Dr. S. G. Ankaliki attended a FDP on "Recent Trends in Electrical Engineering : A Research Perspective - 2020", from 20th to 26th July 2020, organized by the Department of Electrical and Electronics Engineering and IEEE PES & IAS Jt. Student Branch Chapter of Amrita School of Engineering -Bangalore.
- Prof. S. G. Nayak & Prof. Pradeep Vibhuti participated in 6th International Conference on Electronics, Computing and Communication Technologies", IEEE CONNECT 2020 organized by IEEE Bangalore Section from 2nd to 4th July, 2020.
- Prof. T. M. Timsani attended five days faculty development program on "Building New Dimensions Towards Faculty Empowerment" organized by the department of EEE and R&D Center, TCE, Gadag, in association with Shanthala Power Limited, Hubli from 27th to 31st July, 2020.
- Dr. S. G. Ankaliki participated in three days online Techno legal Summit on Cap (Cyber, AI and Patents) held on 3rd to 5th August 2020 organized by the IQAC of St-Joseph Engineering College, Mangaluru and SDM Law College Mangaluru.
- Dr. S. G. Ankaliki participated in online FDP on "Emerging Trends in Electrical Engineering - A Research Perspective" organized by EEE Department, LBS College of Engineering, Kasaragod from 27th to 31st July 2020
- S. P. Amminabhavi attended Five Days Online Faculty Development Programme on "Recent Research Development in Electrical



Engineering held from 4th to 8th August 2020 organized by the dept. of EEE, PES Institute of Technology & Management Shivamogga.

- Dr. M. R. Kappali attended a webinar on "Innovation Commercialisation for AtmaNirbhar Bharat" by Dr. H Purushotam, Chairman & MD, National Research & Development Council, New Delhi on 14th August 2020
- Dr. S. G. Ankaliki attended AICTE sponsored one week online STTP on "Integration, Storage and Control in Hybrid Energy Systems (HES) from 3rd to 8th August 2020 organized by the Department of Electrical and Electronics Engineering, Geethanjali College of Engg& Tech, Hyderabad
- Dr. S. G. Ankaliki attended International webinar on "Industry 4.0" organized by IEIE Mysore Centre on 16th August 2020.
- Dr. S. G. Ankaliki attended webinar "Transforming Youth into Responsible Citizens and Engage them in Developing The Nation" organized by LEAD India Foundation on 19th August 2020.
- Dr. R. L. Chakrasali attended a webinar on "Xilinx FPGA Design Flow" held on 19th August 2020 organized by Dr. AIT, Bangalore

and Institute of Engg. & Tech, New Delhi & ISTE Student chapter.

- Dr. S. G. Ankaliki attended one week online Short Term Tanning Program (STTP) on "Electric Vehicle: Challenges and Opportunities" organized by the Department of E&E Engg. Sagar Institute of Research and Technology, Bhopal from 24th to 29th August 2020.
- Dr. S. G. Ankaliki participated in Five-day online Workshop on "NBA Frame work for outcome based Education" from 17th to 21st August 2020, organized by Vidyavardhaka College of Engg., Mysuru.
- Prof. S. P. Amminabhavi participated in Two days webinar series by Alumni on "Every Team Can Innovate, Wind and Solar Perspectives in Smart Cities, Smart Manufacturing and Machine Learning Fundamentals with Use Cases" Organized by the Department of EEE KLS GIT, Belagavi on 18th & 19th Sept. 2020
- Dr. S.G. Ankaliki attended 5 days International Online Workshop on "Crossing Barriers in Research" from 14th to 18th Sept. 2020 organized by the departments of ISE & ME of NHCE, Bengaluru.

- Dr. S. G. Ankaliki & Dr. B.S. Shalavadi attended Five days online faculty development programme on "Recent Trends in Power Electronics -Research scope and code challenges" organised by Department of Electrical & Electronics Engineering, National Institution of Technology (NITK), Surathkal, Mangalore from 23rd to 27th September 2020.
- Dr. S. G. Ankaliki participated in "5 days online FDP on "Universal Human Values" organized by NIT Patna during 21st to 25th September 2020.
- Dr. R. L. Chakrasali attended a webinar on Power System Protection organized by SDMCET, Ujire on 01st October 2020.
- Dr. B. S. Shalavadi attended online FDP on "Energy Engineering" from 5th to 9th October organized by AICTE Training and learning (ATAL) Academy.
- Dr. S. G. Ankaliki participated and completed AICTE Training and Learning (ATAL) Academy online FDP on "Control Systems and Sensors Technology" from 5th to 9th October organized by University Visweswaraya College of Engineering, Bengaluru.
- Dr. S. G. Ankaliki participated in the Short Term Training Programme (STTP) on "Service Oriented Applications: Concept, Technology Design and Development" organized by the Department of Information Technology, R.M. K. Engineering College, Under AICTE Quality Improvement Scheme (IQIS), from 12th to 17th Oct 2020.
- Prof. S. P. Amminabhavi, participated in a webinar on "Advances in Nanotechnology Research to combat COVID-19" organized by the dept of Applied Science in association with Dept. ECE, Jain College of Engg and Research Belagavi on 23rd Oct 2020.
- Dr. S. G. Ankaliki attended one Day Webinar on Electrical Power Systems, Renewable Energy, Smart Grids & Switchgear Protection using NEPLAN Simulation Software, held on 3rd November 2020 organized by Indian Soft Technologies (P) Ltd., Pune.
- Dr. S. G. Ankaliki and Prof. Pradeep Vibhuti participated in the Faculty Development Program on Outcome-based Education conducted by Inpods from 4th to 6th November 2020.
- Dr. S. G. Ankaliki participated in AICTE Training and Learning (ATAL) Academy online FDP on "Block Chain" from 2nd to 6th November 2020 organized by Indian Institute of Information Technology Dharwad.
- Dr. S. G. Ankaliki attended virtual global summit on Artificial Intelligence: Responsible AI for Social Empowerment (RAISE2020) held from 5th to 9th October 2020.
- Dr. B. S. Shalavadi attended online 5 days FDP on " Electric Vehicles" from 2nd to 6th November 2020 organized (by JNNC Shimoga) AICTE Training and learning (ATAL) Academy.
- Dr. R. L. Chakrasali attended a webinar on "Electrical System Design" organized by SDMIT Ujire on 20th November 2020 and the resource person was Mr. Corn from Canada.

Paper Publications & Presentations

- Dr. G. D. Kamalapur Published a paper titled "A Comparative Study of Monopolar and Bipolar HVDC Transmission Systems" in European Journal of Advances in Engineering and Technology- 2020, 7(8)-PP 21-26 ISSN: 2394-658X
- Dr. G. D. Kamalapur Published a paper on "M2M Communications in the Power Sector" in IEEMA Journal Vol. 11 Issue 12, August 2020 PP 50-54.
- Dr. R. L. Chakrasali Published a paper titled "Congestion Management and Demand Side Response in Wholesale Power Market" in International Journal of advance Science and Engineering, Vol. 7, No.1 PP 1469-1473 E-ISSN 2349359;P-ISSN 2454-9967.
- Dr. R. L. Chakrasali Published a paper titled "Graph Theory Algorithm to find minimum cost power flow path in deregulated scenario under line outage contingency in International

Journal of applied engineering research"
ISSN 0973-4562 Vol-15No. 7 (2020)
PP-755-761

- Dr. M. R. Kappali & Dr. R. L. Chakrasali published a Paper titled "Simple and Comprehensive Framework to Quantify Course and Program Outcomes" published in Indian Journal of Technical Education Vol. 41 No. 3, July -Sept. 2018, PP:41-47, ISSN 0971-3034
- Dr. M. R. Kappali published a Paper titled "Coordination of Energy Storage Systems and Closed Loop Converter for Regulating Voltage of PV System" in IEEE International Conference on Electronics Computing and Communication Technologies (CONECCT), Bengaluru during July (Dol: 10.1109, IEEE Explore Sep. 2020 CONECCT50063. 2020.
- Dr. S. G. Ankaliki published a paper titled "AI Based Static Security Assessment of Power System" in i-manager's Virtual conference on Data Science and Engg New Applications in Information Management (VCDE: NAIM2020) on 15th Oct 2020.
- Dr. S. G. Ankaliki presented a research paper entitled "Smart Grid Communication Security using DSSS Intelligence against Jamming Attack" in International Multidisciplinary conference on current Research Trends-2020 held on 19th to 20th September 2020.
- Dr. S. G. Ankaliki published a research paper titled "Shunt Active Filters for Source Current Harmonics" in i-manager's Journal on Power Systems Engineering, Vol.8, No.1, February-April-2020 PP 1-8.
- Dr. R. L. Chakrasali published a paper "Performance Validation of PV Voltaic System Using PVSYST" in International Journal for Technological Research in Engineering, Volume 8, Issue 3, Nov. 2020 ISSN (online) 2347-4718
- Dr. R. L. Chakrasali published a paper "Software tools for PV Performance" in International Journal for Technological Research in Engineering, Volume 8, Issue-3, No 2020 ISSN (online) 2347-4718 PP 82-84



- Dr. S. G. Ankaliki made oral online presentation of the paper titled "Artificial Neural Network Based Transmission Line Loss Evaluation of Power Transmission System" at virtual conference on "Loading Intelligence on Future Electronics" on 17th November 2020.
- Dr. G. D. Kamalapur presented a paper titled "Higher Engineering Education in India- the way forward" in National conference in "Higher Education India: Challenges and Opportunities" on 15th Nov 2020, at PESITM Shimogga.
- Dr. S. G. Ankaliki acted as a reviewer for 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimisation Techniques (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13th to 14th December 2020
- Dr. M. R. Kappali acted as a reviewer for 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimisation Techniques (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13th to 14th December 2020.
- Prof. Pradeep Vibhuti published a paper on 'Automating Estimation of Battery State of Charge Using Experimental Data in MatLab' in Journal La Multiapp, ISSN: 2716-3865 (Print), 2721-1290 (Online) on 25th December 2020.
- Prof. Pradeep Vibhuti published an article on 'Joy of Teaching & Learning' in LinkedIn on 31st December 2020.

Student Corner

- Ms. Deepa Jakkali completed a course on 'C Programming' from SUB{-}SH Programming Classes on 11th October 2020.
- Ms. Vadigeri Seema secured second place in an Idea Competition "Ingenious Thoughts - 2020", on "Novel Engineering Solution for Societal Problems", conducted by EEE department, SDMCET on 23rd October 2020.



Result : July 2020 Examination

VIII Semester

Place	Name	SGPA
I	Rohit Nare	9.85
II	Ranjitha Patil	9.77
III	Jyoti Choukimath	9.62

VI Semester

Place	Name	SGPA
I	Sahana Hiremath	9.88
II	Ramya Desai Sushmitha S. N.	9.31
III	Shreelakshmi P	9.23

III Semester

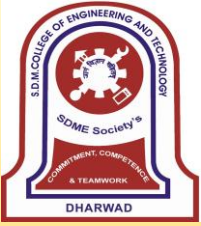
Place	Name	SGPA
I	Nayana M Chatakondi	9.62
II	Sakshi Hegde	9.5
III	Chithkala Vaishnavi R Hosalli	9.4

Congratulations to all the student



ಕೋಡಿಂಗ್ ಬಳಸದೆ ಆವಿಷ್ಕಾರ ಸಾಧ್ಯ

ಹುಬ್ಬಳ್ಳಿ: ಕೋಡಿಂಗ್ ಬಳಸದೆ ಎಂಬಟಿ ಆರ್ ಇನ್ ಎಂಟರ್ ಮೂಲಕ ಆಂಡ್ರಾಯ್ಡ್ ಅಪ್ಲಿಕೇಷನ್ ಡೆವಲಪ್ ಮೆಂಟ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಹೊಸ ಆವಿಷ್ಕಾರಗಳನ್ನು ಮಾಡಬಹುದು ಎಂದು ಮಿತ್ರಾಸ್ ಐಟಿ ಆಂಡ್ ಎಂಪಿ ಸೊಲ್ಯೂಶನ್ಸ್ ನ ಸಹ ಸ್ಥಾಪಕ ಸದಾನಂದ ಪಾಮುಡಿ ಹೇಳಿದ್ದಾರೆ. ಧವಳಗಿರಿಯ ಎಸ್ ಡಿಎಂ ಕಾಲೇಜ್ ಆಫ್ ಎಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ಟೆಕ್ನಾಲಜಿಯ ಎಲೆಕ್ಟ್ರಿಕಲ್ ಆಂಡ್ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗವು ಧಾರವಾಡದ ದಿ ಇನ್ ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಎಂಜಿನಿಯರ್ಸ್ (ಇಂಡಿಯಾ), ಲೋಕಲ್ ಸೆಂಟರ್ ಸಹಯೋಗದಲ್ಲಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಆನ್ ಲೈನ್ ವೆಬಿನಾರ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾನುವಾರ ಉಪನ್ಯಾಸ ನೀಡಿದರು. ಸಾಫ್ಟ್ವೇರ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಉತ್ತಮ ಸಾಧನೆಗೆ 'ಕೋಡಿಂಗ್' ಪರಿಣತಿ ಹೊಂದುವುದು ಅಗತ್ಯ. ಆದರೆ ಎಂಬಟಿ ಆರ್ ಇನ್ ಎಂಟರ್ ಮೂಲಕ 'ಕೋಡಿಂಗ್' ಬಳಸದೆ ಹೊಸ ಆರ್ ಇನ್ ಗಳನ್ನು ಹೊಂದಬಹುದಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು. ಯಾವುದೇ ಕ್ಷೇತ್ರದಲ್ಲಿ, ವಿಶಿಷ್ಟ ಕೊಡುಗೆ ನೀಡಲು ಎಂಬಟಿ ಆರ್ ಇನ್ ಎಂಟರ್ ಸಹಕಾರಿ ಆಗಿದೆ. ವಿಶಿಷ್ಟ ಸಾಧನೆಯ ಅಂಕಿ ಹೊಂದಿದ ಪ್ರತಿಭಾವಂತರು ಇದರ ಪ್ರಯೋಜನ ಪಡೆಯಬಹುದಾಗಿದೆ ಎಂದು ನುಡಿದರು. ತಮಿಳುನಾಡು, ಆಂಧ್ರ ಪ್ರದೇಶ ಹಾಗೂ ಕರ್ನಾಟಕದ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು. ಕಾಲೇಜಿನ ಎಚ್.ಒ.ಡಿ ಇಂಜಿನಿಯರ್. ಎಸ್.ಜಿ.ಅಂಕಲಿಕೆ, ಐಇಇ, ಡಿಎಲ್ ಗೌರವ ಕಾರ್ಯದರ್ಶಿ ವಿಜಯ ಕೋಟೇಗೇರ, ಐಇಇ ಡಿಎಲ್ ಸಿ ಅಧ್ಯಕ್ಷ ಡಾ.ಆರ್.ಎಲ್. ಚರ್ಕಸಾಲಿ, ಪ್ರಾಚಾರ್ಯ ಡಾ. ಕೆ.ಗೋಪಿನಾಥ ಹಾಗೂ ಪ್ರೊ.ಪ್ರದೀಪ್ ಎಸ್. ವಿಭೂತಿ ಅವರು ಸಹ ಸಂಚಾಲಕರಾಗಿದ್ದರು.



SDMCET EEE NEWS LETTER

Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad
Department of Electrical and Electronics Engineering

UG Program Accredited by NBA under Tier-I (July 2018-July 2021)

(Our motto: Professional Competence with Positive Attitude)

Jun 2020
Volume: XIII

Dr. S. G. Ankali
Editor-in-Chief

Pradeep S. Vibhuti
Editor

Dr. R. L. Chakrasali
Advisor

The Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad, was established in the year 1979 with inception of the College with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA twice in the past and third time for a period of 3 years (July 2018 to June 2021), recognized as the research center by VTU and has been granted Academic Autonomy status from 2007. The department is also running PG program in Electrical Power Systems Engineering with an intake of 18 since 2012.

Placement:

The total number of students placed during the year 2019-20 is 36. The students are placed in various multinational companies in diverse fields like IT, Core Electrical Engg. etc.,

Events:

E & E Engg. department organized **Sixth National Conference on Power Systems Engineering NCPSE-2020 (Online)** in association with HESCOM, Hubballi & The Institution of Engineers (India) Dharwad Local Centre, Dharwad on 1st and 2nd of July, 2020. In conference, **Dr. R. L. Chakrasali** delivered the key note address on deregulation in power systems. A total of 24 papers were presented.

A Webinar on **"IPR & Patent Filing Procedure"** was organized by the department on 10th June, 2020. Prof. Devendra Gowda, IPR Cell Coordinator, SGU Kolhapur was the recourse person. A total of 86 participants took part actively in the online webinar.

Editorial:

I am pleased and privileged to place the newsletter of E & E Engg Department, containing the academic, co-curricular and extracurricular activities for the year 2019-2020. I congratulate all the faculty and students for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankali

An Online QUIZ on "Power Systems Engineering" was organized by department on 27th to 29th June 2020, over 230 participants from different parts of the states took part in online quiz and achieved certificates on scoring above 50%.

Faculty in News:

ಜೀವ ಉಳಿಸಲಿದೆ ಜನತಾ ವೆಂಟಲೇಟರ್!

ಎಸ್‌ಡಿಎಂ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಕಪ್ಪಲಿ ಅವರಿಂದ ವಿಸ್ತಾರ

News article snippet in Kannada about the Janata Ventilator model developed by Dr. M. R. Kappali. It includes a photo of the ventilator and text describing its purpose in treating COVID-19 patients.

Dr. M. R. Kappali & team developed a "Janata Ventilator" model. A working prototype for common people which would help COVID patients in the present pandemic crisis. The model was demonstrated to public at SDMCET Dharwad & covered widely in the media for the general public.

Dr. M. R. Kappali took part in awareness program "ಕರೋನಾವಿಜ್ಞರಂಜಣ" broadcasted by All India Radio,

Vividha Bharati Dharwad 103 FM, which was also on air in AIR Vijayapura FM 105.

Dr. R. L. Chakrasali delivered a talk on “Curriculum Gap Identification and Measurement to Address the Same” in six days STTP on “Outcome Based Education and NBA Accreditation”, organized by KLEIT, Hubballi, along with VTU under TEQIP 1.3 program on 28 Jan’ 2020.

Dr. M. R. Kappali delivered an invited talk on “Pedagogy for Human Values and Ethics” on 31st Jan’2020 at six days short term training program on “Outcome Based Education and NBA accreditation”, organized by KLEIT, Hubballi, and VTU Belagavi.

Dr. R. L. Chakrasali was **invited by VTU** to carry out confidential assignment.

Training/Workshops

Prof. S. P. Amminabhavi and Prof. Pradeep S Vibhuti attended one day **workshop on C & C++** organized by ICT, IIT Bombay at SDMCET Dharwad remote center of IITB, on 29th Feb’ 2020.

Prof. S. G. Nayak has undergone a two week workshop on **“Digital transformation in teaching and learning process”** conducted by IIT Bombay, under TEQIP phase-3 from 16th March to 30th March 2020.

Prof. S. G. Nayak attended the Sky campus – **Digital Knowledge Son’s 2020** – Session 3- conducted by ICT Academy from 27th April to 1st May 2020.

Prof. S. G. Nayak attended a **webinar on “Home Electricity Footprint”** organized by TERI Copenhagen Centre of Energy efficiency, Denmark on 2nd May 2020 and presented a typical home energy audit.

Prof. S. G. Nayak participated in an online quiz on **“COVID19-General awareness”** conducted by Acharya Institute of Technology, Bangaluru on 05th May 2020

Dr. G. D. Kamalapur participated in season-1 **Technology for Future Webinar** organized by ICT academy on AI-ML – (8 SESSIONS) from 9th to 18th April 2020

Dr. G. D. Kamalapur participated in **season-2 “The Future Is Here Now”** webinar organized by ICT

Academy on AI-ML – (5 SESSIONS) on April 27th to 1st May 2020.

Dr. G. D. Kamalapur participated in **season-4 “The Future of Employment and Entrepreneurship”** webinar organized by ICT Academy on AI-ML – (5 SESSIONS) from 4th to 8th May 2020

Prof. S. P. Amminabhavi participated in Technical webinar on **“Wind Energy Conversion System Challenges”** organized by IET Kattantulatur SRM Institute of Science & Tech. on 19th May 2020

Dr. G. D. Kamalapur participated in **Season-6 “The Future Tech 2020”** webinar organized by ICT Academy – (5 SESSIONS) on 18th to 2nd May 2020

Prof. S. P. Amminabhavi participated in webinar on **“Significance of System Studies in Power System Planning and Control”** on 24th May 2020.

Prof. S. P. Amminabhavi and Prof. Pradeep S Vibhuti participated in webinar on **“NAAC Accreditation Management System demo”** organized by Inpods on 27th May 2020.

Dr. Shekhappa Ankaliki, Prof. S. G. Nayak and Prof. Pradeep Vibhuti obtained their **Professional IEEE membership**.

Dr. S. G. Ankaliki has attended online National Three Day Faculty Development Program on **“Embedding Research and Development In Academic Environment”** from 1st June to 3rd June 2020 organized by the department of Electrical & Electronics Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru.

Dr. S. G. Ankaliki has attended one week Faculty Development Program on **“NBA and NAAC Accreditation Process”** organized by Internal Quality Assurance Cell (IQAC), M. S. Ramaiah Institute of Technology under AICTE Margdarshan Scheme from 4th to 8th June 2020.

Prof. S. P. Amminabhavi participated and successfully completed Online Quiz on **“Constitution of India”** organized by Dept. of Electrical and Electronics Engineering, Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari on 04th June 2020.

Prof. S. G. Nayak attended one day workshop '**Virtual Labs**' organized by MHRD at SDMCET Dharwad nodal center on 5th June 2020.

Dr. G. D. Kamalapur attended National Level One Day Webinar on "**Simulation Drives Innovation for e-mobility**" on 10th June 2020, conducted by Altair & KLE Technology University, Hubballi.

All the faculty members attended webinar on "**How to Conduct Online Classes**" on 27th June 2020, by resource person Dr. B. Yashovarma, Secretary SDME Society, Ujire.

HOD, DUGC, BOS, IQAC members of the department have attended the webinar on "**Future Direction or IQAC**" delivered by Dr. D. V. Patil IQAC Coordinator and Dr. U. P. Kulkarni, NBA Coordinator of SDMCET, Dharwad on 29th June 2020

Dr. S. G. Ankaliki has attended one week online Faculty Development Program on "**Recent Trends in Power Systems**" organized by the department of Electrical Engineering, SITCE, Yadrav (Ichalkaranji), from 22nd to 26th June 2020.

Dr. S. G. Ankaliki attended one week online Faculty Development Program on "**Integration of Green Energy with Smart Power Systems**" Organized by the Sathyabama Institute of Science and Technology Chennai from 22nd to 27th June 2020.

Faculty Corner:

A total of **04 papers** were published in International/National Journals by the Faculty members in various fields' viz. Power System, AI applications, and Power Quality, etc.

Dr. R. L. Chakrasali published a paper titled "A Review on Written Pole Motors" in International Journal Application of Modeling and Simulation.

Dr. S. G. Ankaliki Co-authored a paper titled "Robust Smart Grid Monitoring Network Based" on Direct Sequence Spread Spectrum Intelligence in S. N. Computer Science Springer publication, March 2020.

Dr. S. G. Ankaliki Co-authored a paper titled "Rule Based Novel Method for Self Healing Attack Revelation for Smart Grids" published in International Journal of Engg and Advanced Technology (IJEAT)

Dr. R. L. Chakrasali published a paper titled "Determination of ATC and Shortest Path Power Flow in Deregulated Power System" in International Journal of Advanced Science and Engineering

Student Corner:

A total of 18 papers were presented by M. Tech students in the **National Conference on Power System Engineering NCPSE-2020 (Online)** organized by the department on 1st and 2nd July 2020.

Dr. G. D. Kamalapur Co-ordinated the activity on "**PLECEMENT PREPARATION**" on 13th Feb'2020 2.30 pm to 4.00 pm at CCF Seminar Hall for 6th semester Electrical and Electronics Engineering Department students.

One day workshop on "**Introduction to MatLab**" was organized to IV semester students of EEE department by CIII, SDMCET, on 7th & 8th March 2020 at MBA Seminar hall, SDMCET, Dharwad. Prof. Pradeep S. Vibhuti, E&E Dept. acted as resource person.

Prof. S. P. Amminabhavi and Prof. P. K. Kuralupe conducted Aptitude Exam for 6th semester students as a part of placement training with OMR answer scripts.

A talk on "**Entrepreneurship As A Carrier**" was organized for VIII semester students and M. Tech students of EEE Department on 17th March 2020. M. S. Manjunath, acted as resource person.

A "**Virtual Exposure to Deshpande Startups**" - an opportunity at Deshpande Foundation Hubballi, was organized to EEE students of IV, VI & VIII semesters by CIII SDMCET, Dharwad, from 26th to 27th June 2020.

Results : Dec 2019 Examination

UG		PG	
SEM	RESULT (%)	SEM	RESULT
II	83	II	100
IV	45	IV	100
VI	86		
VIII	98		



SDMCET EEE NEWS LETTER

Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad
Department of Electrical and Electronics Engineering
(Our motto: Professional Competence with Positive Attitude)

Dec 2019
Volume: XII

Dr. S. G. Ankaliki
Editor-in-Chief

Pradeep S. Vibhuti
Editor

Dr. R. L. Chakrasali
Advisor

The Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad, was established in the year 1979 with inception of the College with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA twice in the past and third time for a period of 3 years (July 2018 to June 2021), recognized as the research center by VTU and has been granted Academic Autonomy status from 2007. The department is also running PG program in Electrical Power System Engineering with an intake of 18 since 2012.

Placement:

The total number of students' placed during the year 2018-19 is 33 and for the ongoing academic year 2019-20 is 23. The students are placed in various multinational companies in diverse fields like IT, core Electrical Engg. etc.

Events:

Department of EEE organized & conducted "Global student Solar Ambassadors workshop" on 2nd October 2020 to commemorate the 150th Birth Anniversary of Mahatma Gandhi. Students participated from different colleges & schools.



Editorial:

I am pleased and privileged to place the newsletter of E&EE Department, containing the academic, co-curricular and extracurricular activities for the year 2019. I congratulate all the faculty and students for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki

Faculty in News:

A. Book on Basic Electrical Engineering authored by Prof. V. R. Sheelavant was released on 11-10-2019 published by PRISTINE Publishing House.

Dr. R. L. Chakrasali delivered a talk on "Smarts Grids Communication and Security" in AICTE - STTP program organized by Malnad College of Engineering, Hassan on 13-07-2019.

Dr. R. L. Chakrasali was invited to check the NBA preparedness of Tontadarya College of Engineering, Gadag on 21-07-2019

Prof. S. G. Nayak gave an invited talk on "Solar Energy Prospects and Challenges" at the Institute of Engineers [India], Dharwad Local Center, Dharwad on 20-08-2019

Prof. V. R. Sheelavant Presented a talk on "Importance of Electrical Engineering in orientation program for first year students on 06-08-2019

Dr. R. L. Chakrasali was invited as a speaker by SECAB Inst. of Engg., Vijayapur to deliver a talk on "Frontier developments in smart Grid Technologies" in the Research colloquium on 26-09-2019.

Dr. R. L. Chakrasali delivered a technical talk on "Smart Grids" organized by E&E department SGBIT, Belagavi on 12-10-2019.

Gallery:

Webinar on "IPR: Patent Filing Procedure"

Date: 10th June 2020 Time: 11.00 A.M. to 12.15 P.M.

Speaker: **Prof. Devendra Gowda**
IPR Cell Coordinator
SGU Kolhapur

For Registration

QR Code

DR. K. GOPINATH
Principal

Dr. S. G. Ankali
PG Coordinator & HOD

Contact Details:
Prof. Pradeep Vibhuti
Mobile: 9611929528

Organized By
Department of Electrical & Electronics Engineering
SDM College of Engineering and Technology, Dharwad

SDME Society, Ujire
SHRI DHARMATHALA MANJUNATHESHWARA COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD
(An Autonomous Institution recognized by AICTE & Affiliated to VTU, Belagavi)

Online Quiz on Power Systems Engineering

POWER SYSTEM

Dr. K. Gopinath
Principal

Dr. S. G. Ankali
(Convener)
PG Coordinator & HOD

Contact details:
Prof. Sanjeeth P Aminabhavi
(Coordinator)
Mobile: 9060407235

Date: 26th of June 2020 to 03rd of July 2020

Organized By
Department of Electrical & Electronics Engineering
(Accredited by NBA Tier-1)
SDM College of Engineering and Technology, Dharwad

Class Webex Meetings

Viewing PRAVEEN KURALLU...

WIND SYSTEM

Participants (28)

manisha
Manjunath Devagiri
Muthyurajya SH
N. Ashwarya
phatashashidhar
ranikolar6
SABEHA
Sahana Nayak
sahanak11696@gmail.com
Sangeeta
SANJEETH P AMINABHAVI
Seema Reddy
Shravan Nayak

NCPSE-2020 using CISCO Webex Platform

Deshpande Startup

PROGRAM'S TO PROMOTE ENTREPRENEURSHIP AT DESHPANDE STARTUPS

- YUVA ENTREPRENEURSHIP PROGRAM (CREATING & NURTURING ASPIRANTS)
- EDGE PROGRAM (CREATION: PRE-INCUBATION)
- INCUBATION & ACCELERATION PROGRAM
- SANDBOX FOR BHARAT (ENTERPRISES IN LOCAL ECOSYSTEM)

Participants (54)

Pradeep Vibhuti (You)

Yuva Program

Chethan bhavikatti

swaroop samanth

Others in the meeting (54)

Abhilash Michael

Abhishek Ballaganad

AKHILA BALIGAR

Akshata Joshi

Apoorva Jagadish

APOORVA YAMANUR

Deshpande Startup exposure using Google Meet

Others in the meeting (54)

1. Support to building entrepreneurs in the ecosystem

2. We provide an ecosystem to Validate startup idea

3. Mentors & Industry Connects

4. Makers & ESOM Lab

5. Funding access

Participants (32)

simran mujawar

Soubhagysakshi Suryav...

Sourmya Kavalur

Sushma Biradar

sushmita lakkundi

swaroop samanth

VENKATESH VASANAD

VITHAL MADAR

Yashvi Mehta

Yuva Program

Deshpande Startup exposure using Google Meet

Class Webex Meetings

TSSC FACTS DEVICE

Fig. 2: General diagram of TSSC

Fig. 3: Illustration of zero offset voltage at zero current

Participants (32)

SABEHA

SACHIN SAVANTHA

sachintorase88

Sahana Nayak

sahanak11696@gmail.com

Sangeeta

Seema Reddy

Shravan Nayak

sudha

Suea

Sujata Hudkar

sushmithaspatil91

M.Tech II semester seminar using CISCO Webex

Dr. R. L. Chakrasali delivered an **invited talk** on “Recent development in Smart Grid” at HIT, Nidasoshi on 05-11-2019.

Dr. R. L. Chakrasali was invited and carried out **academic audit of E&EE department**, HIT Nidasoshi on 05-11-2019.

Dr. R. L. Chakrasali was invited to carry out “**Review of NBA SAR document**” of EE department SGBIT, Belagavi on 05-11-2019.

Dr. M. R. Kappali carried out responsibility as **Chairman of certificates/Awards/Medals** Committee for 20th VTU Youth Festival, SDMCET, Dharwad held during 06 – 09 Nov 2019.

Prof. V. R. Sheelavant gave an **invited talk** on Electrical wiring a few aspects at The Institution of Engineers [India], Dharwad.

Prof. G. D. Kamalapur conducted “**DO-IT-YOURSELF**”, a hobby project exhibition for Third semester (E&E) students. Totally 59 students exhibited 31 projects on 21-11-2019.

Department of E&EE observed the “**Rededication Day**” as a mark of respect to Late Prof. R. G. Desai, founder HOD of E&EE, for his Vision and Invaluable contribution towards the development of the department. The Principal, all faculties, Staff and Students were present on the occasion.

Prof. S. G. Nayak delivered a lecture on the topic “Electricity” for the 10th Standard students of Kannada Medium rural high school at Gokarna as a part of community related service.

Training/Workshops

Prof. Pradeep S Vibhuti attended five days Faculty development program on “Electric Vehicle – Electrical Machines Drives, Power Converters and latest technologies from 22nd – 26th July 2019 organized by the Dept. of EEE, Basaveshwar Engineering College, Bagalkot.

Training for M. Tech I & III Sem. students was organized by department on “MiPower Platform for Power System Studies”. Er. Basil M. T. from PRDC, Pvt. Ltd. Bengaluru was the resource person.

“PCB Design and Fabrication” workshop was conducted by Prof. Pradeep Vibhuti & Prof. Praveen Kuralupe E&EE department, SDMCET, for M. Tech III Sem. Students.

Faculty Corner:

Many faculty members attended National conference and workshops at various places.

Dr. G. D. Kamalapur **published a paper** on “Substation Automation” in Electrical INDIA Vol. 59, No 8, Aug. 2019, PP32-36

Dr. M. R. Kappali was invited as **P. G. Project examiner** at Goa Engineering College Goa on 30-07-2019.

Dr. G. D. Kamalapur acted as **external examiner** for PG Energy Systems Engineering project Vive Voce at KLE Technological University, Hubballi, on 26-08-2019

Prof. S. G. Nayak **published a paper** in the Scopus Indexed International Journal entitled “Wind Hydro Coordination and Potentials in the State of Karnataka” in International Journal of Innovative Technology and exploring Engineering IJITEE, ISSN 2278-3075 Vol.8 Issue 952 July 2019- PP23-29.

Dr. R. L. Chakrasali **published a paper** titled “Integration of Block Chain and Digital Grid Routers for Load Balancing and Bidirectional Power Flow in Micro grid” in Journal of Smart Grid and Related Technology.

Dr. G. D. Kamalapur **nominated as Board of Studies** of Gogte Institute of Technology, Belagavi, for the period 2019-21.

Dr. R. L. Chakrasali was **invited as the Chief Guest** for Inaugural function of EE association organized by E&E Department, SGBIT, Belagavi on 06-09-2019.

Dr. S. G. Ankaliki attended “**Interactive meeting of VGST programme Coordinators**” held on 12th Sept’ 2019 at JNCASR Jakkur, Bengaluru.

Dr. S. G. Ankaliki acted as a **Reviewer for the IEEE Bombay section** signature conference (IBSSC) 2019 held during 26th to 28th July 2019 at VMCC, IIT, Bombay.

Dr. S. G. Ankaliki became a **Senior Professional** of the Institute for Engineering Research and Publication (IFERP) membership ID No PMIN12065397.

Dr. B. S. Shalavadi, Prof. T. M. Timsani, Prof. Praveen P. K. & Prof. Sanjeeth P. A participated in three-day’ workshop on **CISCO certified Network Associate (CCNA)** organized by the department of CSE, SDMCET from 18-09-2019 to 20-09-2019.

Dr. M. R. Kappali acted as **Judge for Innovative Idea** at College Level Competition conducted by CIII on 24-09-2018 at SDMCET, Dharwad.

Dr. M. R. Kappali made a presentation on **National Education Policy** Draft 2019 at SDMCET, Dharwad organized by IIIT, HUBBLI on 25-09-2019.

Prof. S. G. Nayak **Published an article** titled "Solar Energy -Prospects and Challenge in the state of Karnataka" in Electrical India- Sept 2019 Issue.

Dr. M. R. Kappali **published an article** titled "Draft National Education Policy - 2019" Salient Features" in IEI Dharwad Centre monthly bulletin "ET Talk" Oct-2019

Dr. G.D. Kamalapur acted as a selection committee to **review the proposal** of UBDTC faculty members under career advancement scheme at VTU Belagavi

Prof. Pradeep S. Vibhuti **published a paper** titled "Automatic Roof Top Plant Growth Monitoring System in Urban Areas" in International Journal of Engineering and Manufacturing by MECS Published on 22-11-2019.

Dr. G. D. Kamalapur **published a paper** titled" Higher Engineering Education in India- the way forward" in the National conference on 15 Nov 2019, at PESITM, Shivamogga.

Dr. S. G. Ankaliki acted as a **reviewer for 4th International Conference** on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13th & 14th December 2019

Dr. M. R. Kappali acted as a **reviewer for 4th International Conference** on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13th & 14th December 2019

Prof. Praveen Kuralupe and Prof. Pradeep Vibhuti participated and **secured second place in Rangoli competition** conducted by Staff Association for faculty.

Student Corner:

Mr. Arvind Kadam Research scholar guided by Dr. S. G. Ankaliki got **best paper award** for the paper entitled "Robust Smart Grid Monitoring Network Based on Direct Sequence Spread Spectrum Intelligence" presented in International conference on

(ICACI-2019) at GSSS Inst. of Engg. & Tech for Women, Mysuru on 18th & 19th July 2019

Mr. Prashant Telgoankar, an **Alumnus 1990 batch interacted** with pre final year students and enlightened the students on "Operation, Maintenance and performance of utility systems" Dr. G. D. Kamalapur arranged and coordinated the alumnus interaction on 19-08-2019

Prof. Vishal Kulkarni, Director, VTU National Academy for Skill Development, Dandeli, Interacted with 7th sem students on the topic "Emerging Fields in the Domain of E&E Engineering and Significance of Skills" as a part of the **course Seminar**.

SDMCET Dharwad E&EE **Alumnus Ms. Pooja N** (2SD07EE029) 2011 passed out, **interacted** with VII sem students on "Tips for CAT" preparation on 05-10-2019.

Prof. Praveen P Kuralupe & Sanjeeth P Amminabhavi conducted "**GATE Awareness Programme**" for 5th semester & 7th semester students on 23-09-2019, as a part of Department activities.

A "Global Alumni Meet" was held on the occasion on 40th Foundation Day of SDMCET, Alumni interacted with faculty and students of E&EE department, SDMCET, on 14th Dec, 2019

Toppers List in Dec 2019 Exam:

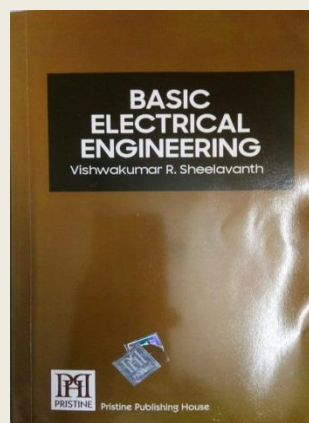
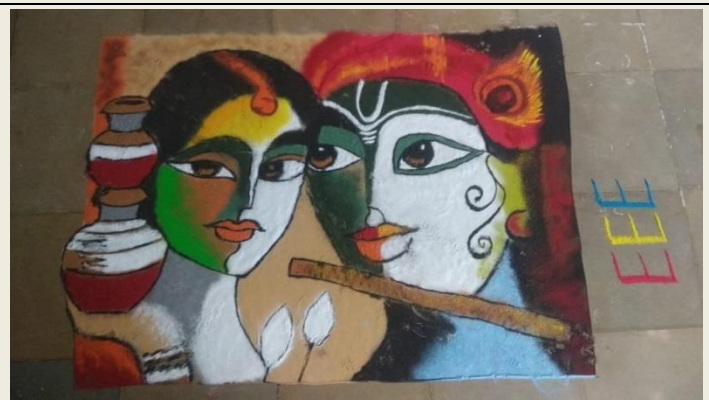
U.G. III Semester		
Rank	Name	CGPA
1	Nayana M Chatakondi	9.58
2	Vaishnavi R Hosahalli	9.42
3	Saskhi Hegde	9.29

U.G. V Semester		
Rank	Name	CGPA
1	Sahana Hiremath	9.65
2	Sushmitha S N	9.52
3	Ramya Desai	9.46

U.G. VII Semester		
Rank	Name	CGPA
1	Rohit Nare	9.73
2	Swaroopaa Sajjan.	9.5
3	Shaheen	9.31

M.Tech III Semester		
Rank	Name	CGPA
1	Lakshmi I. Chuncha Sudha	9.53
2	N. Aishwarya	9.42
3	Jeba S. Yaligar	9.33

Gallery:





SDMCET EEE NEWS LETTER

Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad
Department of Electrical and Electronics Engineering
(Our motto: Professional Competence with Positive Attitude)

Jun 2019
Volume: XI

Dr. S. G. Ankaliki
Editor-in-Chief

Pradeep S. Vibhuti
Editor

Dr. R. L. Chakrasali
Advisor

The Department of Electrical & Electronics Engineering of SDM College of Engineering and Technology, Dharwad was established in the year 1979 with inception of the College with an initial intake of 30 seats which was further increased to 60. The program has been approved by AICTE, accredited by NBA twice in the past and third time for a period of 3 years (July 2018 to June 2021), recognized as the research center by VTU and has been granted Academic Autonomy status from 2007. The department is also running PG program in Electrical Power System Engineering with an intake of 18 since 2012.

Placement:

The total number of students' placed during the year 2018-19 is 33. The students are placed in various multinational companies in diverse fields like IT, core Electrical Engg. etc.

Events:



A two days "All India Seminar on Electrical Vehicles - Prospect and Challenges" was organized by the department. Sri. D. A Desai, President (R&D), Laxmi Hydraulics, Solapur and six distinguished Professionals delivered invited talks. Our revered President Dr. D. Veerendra Hegde blessed the occasion.

Editorial:

I am pleased and privileged to place the newsletter of E&EE Department, containing the academic, co-curricular and extracurricular activities for the year 2019. I congratulate all the faculty and students for their efforts to achieve the professional competence with positive attitude. Further, I believe that the continued team efforts will help marching towards professional excellence.

Dr. S. G. Ankaliki



A two days National Conference on "Power System Engineering (NCPSE-2019)" was organized by the department. Dr. D. N. Gaonkar, NITK, Suratkal, and Girish V. Exe. Engg. HESCOM were invited as resource persons.

An Invited talk was delivered by R. P Upadhy on "Indian Power Grid" for II semester M. Tech (PSE) students on 14-06-2019.

Faculty in News:

Dr. S. G. Ankaliki secured 40 lakhs grant from VGST Government of Karnataka, for 2018-19 & 2019-20.

Dr. R. L. Chakrasali was invited for Examination and Evaluation audit at RVCE Bangalore.

Dr. M. R. Kappali was appointed as member of Technical Committee and attended meeting on 3-1-2019 at Karnataka University Dharwad.

Dr. G. D. Kamalapur, delivered invited talk on "Smart Grid and IoT" on 23-01-2019 at AICTE-ISTE sponsored

induction program at University BDT College of Engineering, Davanagere.

Dr. R. L. Chakrasali was invited as resource person in AICTER-ISTE sponsored one week program on Recent advance in Smart Grid Technology organized by UBDT, Davanagere and delivered a talk on "Wide Area Mentoring and security systems for smart grid and also delivered another talk on "Smart Grid Operation in Deregulated Scenario (Two sessions).

Dr. G. D. Kamalapur attended VTU meeting as a subject expert for career advancement scheme of UBDT Davanagere faculty members on 23-02-2019.

Dr. R. L. Chakrasali gave an invited talk on "Transformation in Technical Education "in ISTE Annual Faculty Convention held at VTU, Belagavi on 20.03.2019.

Dr. S. G. Ankaliki conformed as a member of the Editorial Board i-manager's Journal on Circuits and Systems (JCIR) for the period April 2019 to March 2020.

Dr. R. L. Chakrasali attended BOE meeting at SIT, Tumkur on 13-04-2019.

Dr. R. L. Chakrasali was invited as Guest of Honor for the Inaugural function of State level project exhibition at Tontadarya College of Engineering, Gadag on 18-05-2019

Dr. R. L. Chakrasali was invited as chief guest to address the outgoing batch 2019 at AGMR Engineering College, Varur.

Dr. M. R. Kappali delivered an invited lecture on "Energy Efficient Water Pumping Strategy for Multi Floor Building at IEI Dharwad on 28-05-2019.

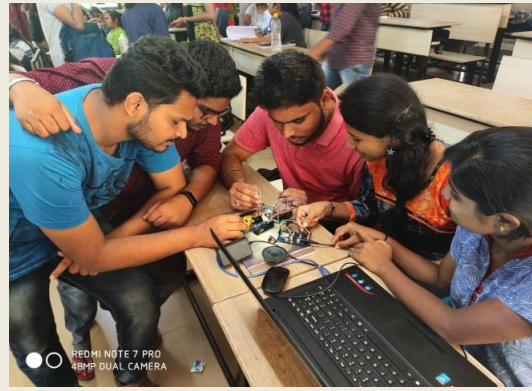
Prof. V. R. Sheelavant was invited as judge for Science fair conducted by Swami Vivekananda Youth movement at Dharwad.

Prof. Pradeep Vibhuti delivered an Invited talk on "Computer Network -Few Aspects" at The Institution of Engineers (India) Dharwad Local Centre on 18-06-2019.

Training/Workshops

A workshop for M.Tech II semester students was conducted on "Applications of ANN in Power System Using MATLAB", and Prof. Manjula S Sureban was the resource person.

M. Tech (PSE) II semester students have undergone training in Hydraulics, Pneumatics, PLC and Sensors at Bosch Rexroth Centre of Excellence, SDMCET, Dharwad from 27.03.2019 to 29-.03.2019.



A training on "Robotics and Mobile making" was conducted by Indian Tech Group - in association with IIT, Bombay, during 13th-14th April & 98 students participated.



A workshop on "Solar PV System Design" was conducted for PG & UG students by RenXol Pvt. Ltd. Bangalore, on 20th & 21st April. Ms. Pratyush Bandi & Mr. Sameer Santoor were the resource persons. 70 students participated in the event.

Faculty Corner:

A total of 42 papers are published in International/National Journals by the faculty members in various fields viz. Power System, AI Applications, and Power Quality, etc.

Dr. M. R. Kappali & Prof. V. R. Sheelavant guided a team of VI semester students for a street play at Yarikoppa high school on the occasion of 150th birth anniversary of Mahatma Gandhi.

Dr. S. G. Ankaliki has published a paper titled, "Power Factor Correction and Balancing of Unbalanced Load" in i-manager's Journal on Power Systems. Engineering Vol. 6, Issue 3, August -October 2018, PP1-6.

Prof G. D. Kamalapur presented a paper on "ಉನ್ನತ ಶಿಕ್ಷಣದಲ್ಲಿ ಭಾಷಾ ಮಾಧ್ಯಮ" -Medium of Instruction in High Education at Karnataka State conference at KUD organized AZMIPREMJI University Bangalore on 11-6-2019

Prof. G. D. Kamalapur and Prof. V. R. Sheelavant conducted an Innovative Idea competition for IV & VI Semester E&E students on 31-01-2019, totally 9 innovate ideas were presented by 13 students.

Dr. R. L. Chakrasali published an article on "Engineering and Sustainable Development" in a souvenirs brought out by ISTE in view of ISTE annual faculty convention held on 19-20, March 2019 at VTU Belagavi.

Dr. R. L. Chakrasali published an article on "Trade Shows and Exhibitions" in a souvenir brought out by FCCE Dharwad in view of Builddecor exhibition-2019 held at Dharwad.

Many faculty members have attended national conference and workshops at various places.

Student Corner:

A total of 37 papers are published in International/National Journals by the Research Scholars, PG & UG students in various fields viz. Power System, Power Electronics, AI applications, and Power Quality, etc.

M.Tech (PSE) II Semester students visited 400 KV / 220KV H.V. substation at Narendra, and Prof. M. R. Kappali guided the students on 14-06-2019.

Dr. G. D. Kamalapur & Prof. V. R. Sheelavant organized Technical visit to 220kV Narendra substation on 16.03.2019 for VI SEM.

Miss. Vaishnavi Shinde and Miss. Swroopa Sajjan participated at state level "Anveshana -2019 exhibition at Bangalore on 25-27 February 2019, and participated in exhibition on "Hybrid AGRO-PRODUCT DRYER". They also mentored Balangouda Patil and Shripad Ashwalekor from Govt. High School Gandhinagar Dharwad with Prof. G. D. Kamalapur as faculty adviser.



"Clash of Electrons" event was conducted by VIII semester students to 1st year students of all branches during INSIGNIA-19.

Five aptitude tests were conducted for VI semester students by placed students of final year in coordination with department faculty.

Brush-up course on C programming was conducted by placed students of final year on 11th April, 2019 to 53 VI semester students.



Project Exhibition was organized by the department for final year students. Two best projects were awarded with cash prize. Dr. A. B. Raju, BVBTU, Hubballi and Prof. Shravankumar Nayak, SDMCET, judged the event

A Cricket tournament was organized by EEE department. Twelve teams participated with 1 girl and 5 boys in each team.

Toppers List in Jun 2019 Exam:

U.G. IV Semester		
Rank	Name	CGPA
1	Shreelaxmi P.	9.09
2	Vidya Gondi	8.93
3	Sushmita Spoorti	8.84

U.G. VI Semester		
Rank	Name	CGPA
1	Rohit. Nare	9.78
2	Swaroopa Sajjan	9.18
3	Ranjita Patil	8.93

U.G. VIII Semester		
Rank	Name	CGPA
1	Shruti	9.48
2	Pratiksha H.	9.14
3	Shreya Patil	8.97

M.Tech II Semester		
Rank	Name	CGPA
1	Lakshmi I. Chuncha	9.61
2	Jeba S. Yaligar	9.48
3	Sudha	9.41

M.Tech IV Semester		
Rank	Name	CGPA
1	Pushpalatha	9.58
2	Sanjith Aminbhavi	9.56
3	Akshay Hegde	9.42

Gallery:

