



# 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. 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 15<sup>th</sup> 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.

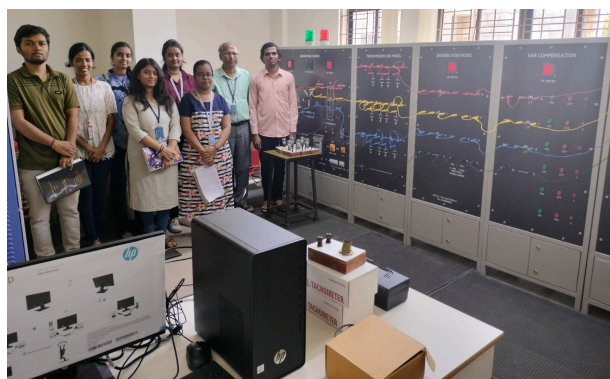
### Editorial

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 19<sup>th</sup> & 20<sup>th</sup> 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 21<sup>st</sup> April 2023.

*S. Ankaliki*

Head of the Department  
of Electrical & Electronics Engineering,  
S.D.M. College of Engg & Technology  
Chavalagiri, DHARWAD-589 002

- 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 21<sup>st</sup> 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 22<sup>nd</sup> to 26<sup>th</sup> March, 2023.
- Dr. S. G. Ankaliki attended one-week Faculty Development Programme on "Recent Trends in Power Electronics and Power Systems held from 20<sup>th</sup> to 25<sup>th</sup> 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 13<sup>th</sup> Feb 2023.
- Dr. R. L. Chakrasali attended doctoral committee meeting at MIT Manipal on 17<sup>th</sup> 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 24<sup>th</sup> 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 17<sup>th</sup> April 2023.
- Dr. R. L. Chakrasali attended a workshop on

"IP Patents and Parior Arts" on 29<sup>th</sup> May 2023 at SDMCET Dharwad.

- Prof. V. R. Sheelavant attended a workshop on "IP Patents and Prior Arts" on 29<sup>th</sup> 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 cacitor 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 20<sup>th</sup>-21<sup>st</sup> 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 11<sup>th</sup> 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 17<sup>th</sup> 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 18<sup>th</sup> 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 01<sup>st</sup> & 2<sup>nd</sup> July 2022. A total of 16 papers were presented by participates. 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 02<sup>nd</sup> July 2022.
- Dr. R. L. Chakrasali was short listed for the post of Director IIIT Dharwad and called for personal interaction on 08<sup>th</sup> 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 1<sup>st</sup> Oct 2022.
- Prof. S. P. Amminabhavi delivered a talk on the topic "Competence of Electricity Hazards and Safety" on 29<sup>th</sup> 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 6<sup>th</sup> 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 05<sup>th</sup> 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://do.org/10\\_1776/ijritec.V106\\_5628\\_PP-8](https://do.org/10_1776/ijritec.V106_5628_PP-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 13<sup>th</sup> 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 5<sup>th</sup> Semester of EEE Dept on 10<sup>th</sup> 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 21<sup>st</sup> 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 21<sup>st</sup> 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 6<sup>th</sup> semester students of EEE, on 20<sup>th</sup> 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 8<sup>th</sup> 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 AICETE - IST Sponsored induction / repression one week FDP organized by the Dept. of E&C Engg, SDMCET, Dharwad on 9<sup>th</sup> March 2022.
- Dr. G. D. Kamalapur delivered a talk during "SCIENCE DAY" for 1<sup>st</sup> 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 23<sup>rd</sup> to 27<sup>th</sup> 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 26<sup>th</sup> 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 23<sup>rd</sup> and 24<sup>th</sup> 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 8<sup>th</sup> 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 03<sup>rd</sup> to 7<sup>th</sup> 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 29<sup>th</sup> March 2022.

- Dr. R. L. Chakrasali attend one day workshop on 23<sup>rd</sup> 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 21<sup>st</sup> 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 17<sup>th</sup> & 18<sup>th</sup> 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 5<sup>th</sup> 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 10<sup>th</sup> & 11<sup>th</sup> 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 24<sup>th</sup> Feb 2023

at IIT, Dharwad

## Toppers List in Jan 2022 Examination

### UG III Semester

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

### UG I Semester

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

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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 30<sup>th</sup> August 2021. Mr. Ramesh, faculty member from ACE, Engineering Academy, Hyderabad was the resource person.
- A program on training and placement for 5<sup>th</sup> semester students was arranged by Dr. G. D.

Kamalapur and Prof. V. R. Sheelavant on 28<sup>th</sup> 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 22<sup>nd</sup> & 23<sup>rd</sup> 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 23<sup>rd</sup> & 24<sup>th</sup> September 2021.
- Dr. G. D. Kamalapur was invited as a subject expert for faculty recruitment of VDRIT Haliyal on 23<sup>rd</sup> & 24<sup>th</sup> 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 19<sup>th</sup> & 20<sup>th</sup> 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 03<sup>rd</sup> & 04<sup>th</sup> 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 15<sup>th</sup> 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 12<sup>th</sup> to 16<sup>th</sup> 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 21<sup>st</sup> 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 24<sup>th</sup> 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 02<sup>nd</sup> 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 02<sup>nd</sup> to 04<sup>th</sup> August 2021.
- Prof. S. P. Amminabhavi participated in national webinar on "The Role of Engineers in Space Research" held on 27<sup>th</sup> 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 27<sup>th</sup> 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 1<sup>st</sup> Sept 2021 organized by ETAP.
- Dr. G. D. Kamalapur participated in the webinar on "Electrical Charging Stations and Standards" conducted by GIT Belagavi on 16<sup>th</sup>, 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 6<sup>th</sup> to 8<sup>th</sup> 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 24<sup>th</sup> and 25<sup>th</sup> October 2021.
- Prof. S. P. Amminabhavi participated in AICTE sponsored Online Short Term Training Program (STTP) on "Emerging Issues of VLSI Design" from 22<sup>nd</sup> to 26<sup>th</sup> 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 22<sup>nd</sup> to 27<sup>th</sup> 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
<b>First</b>	Nayana M Chatakondi	<b>9.32</b>
<b>Second</b>	Nayana S Haller	<b>9.21</b>
	Sakshi Hegde	
<b>Third</b>	Pragati P Sali	<b>9.11</b>
	Vadigeri Seema	
	Vaishnavi R Hosalli	

### UG V Semester

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

### UG III Semester

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

*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

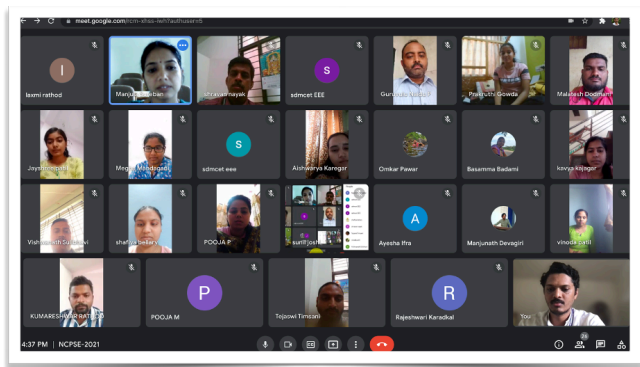
- E & E Engg. department organized Seventh National Conference on Power Systems Engineering NCPSE- 2021 (Online) in association with HESCOM, Hubballi & The Institution of Engineers (India) Dharwad Local Centre, Dharwad on 1<sup>st</sup> and 2<sup>nd</sup> July, 2021. Dr. R.L.Chakrasali, Chairman Institution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

### 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**

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 1<sup>st</sup> 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 2<sup>nd</sup> 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 2<sup>nd</sup> July, 2021.
- Department has organized a two days workshop on "Real Time Transmission Line Simulator Test Bench with SCADA (3PH) Model



with Series Compensation Module" on 11<sup>th</sup> & 12<sup>th</sup> 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 18<sup>th</sup> to 24<sup>th</sup> 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 04<sup>th</sup> February, 2021.

### Students Training Activities

- Prof. Manjula Sureban conducted workshop on MATLAB on 2<sup>nd</sup> February, 2021 for first year PG students exploring m-file & SIMULINK examples in MATLAB,
- Prof. S. P. Amminabhavi has guided Spoorti S. K., 8<sup>th</sup> 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 6<sup>th</sup> & 8<sup>th</sup> 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 19<sup>th</sup> 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 7<sup>th</sup> Jan, 2021.
- Dr. G. D. Kamalapur interacted with first semester G-division students on a topic "Opportunities for Engineers" on 27<sup>th</sup> 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 18<sup>th</sup> to 24<sup>th</sup> 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 21<sup>st</sup> Feb, 2021
- Dr. G. D. Kamalapur acted as a reviewer in 6<sup>th</sup> International Conference for Convergence in Technology (ICCT) During the 2<sup>nd</sup> to 4<sup>th</sup> 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 25<sup>th</sup> May, 2021.
- Prof. S. G. Nayak delivered a session in a webinar on “PLC & Sensors” to 49 employees of Tata Marcopolo, Dharwad division, on 05<sup>th</sup> June, 2021.
- Prof. P. S. Vibhuti delivered a session in a webinar on “Electrical Vehicle (EV) and Technology” to 43 employees of Marcopolo on 03<sup>rd</sup> 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 04<sup>th</sup> to 08<sup>th</sup> 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 11<sup>th</sup> to 15<sup>th</sup> Jan, 2021.
- Dr. S. G. Ankaliki participated in AICTE Training and Learning (ATAL) Academy online FDP on “Blockchain” from 18<sup>th</sup> to 22<sup>nd</sup> 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 1<sup>st</sup> to 6<sup>th</sup> 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 15<sup>th</sup> to 19<sup>th</sup> 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 1<sup>st</sup> to 5<sup>th</sup> 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 1<sup>st</sup> March to 5<sup>th</sup> March, 2021.
- Prof. S. P. Amminabhavi participated in online FDP Design Flow using Python Framework held from 15<sup>th</sup> to 17<sup>th</sup> 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 22<sup>nd</sup> to 23<sup>rd</sup> 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 23<sup>rd</sup> 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 30<sup>th</sup> May, 2021
- Dr. S. G. Ankaliki participated in National webinar on “Program Design Concepts NAAC and NEP 2020” organized by inpods Ed-Tech on 05<sup>th</sup> 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 1<sup>st</sup> and 2<sup>nd</sup> 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**

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

**Speaker**  
**Anjaneyalu T**  
 Data Scientist, Claim Genius  
 Hyderabad  
 Alumnus of Mechanical Engineering, SDMCET

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

**Dr. K. Gopinath**  
 Principal, SDMCET

**Dr. Satish B**  
 IEEE Branch Counselor, SDMCET

Contact  
 Prof. Shrivankumar Nayak  
 Prof. Pradeep S Vibhuti  
 9611826528

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

Sunday 29th  
 November 2020

9:00 Am

All Participants will receive certificate

## 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.

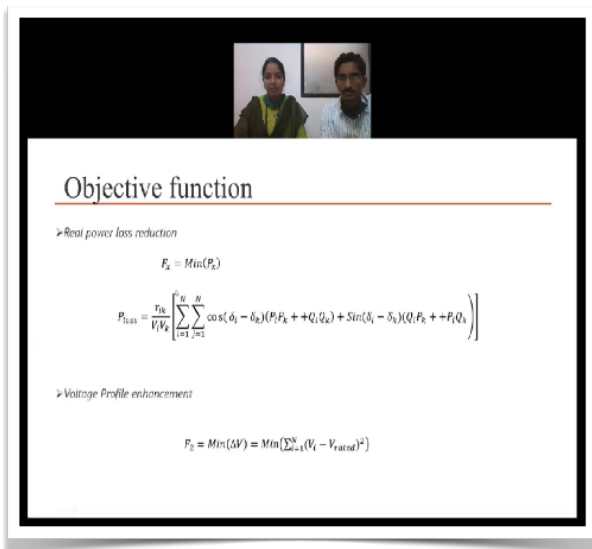
**Dr. S. G. Ankaliki**

- Department conducted an online "Induction Program" for 3<sup>rd</sup> 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 15<sup>th</sup> October 2020 at 3.00 pm.
- The department conducted PG Alumni online meet - 2020 on 17<sup>th</sup> 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 23<sup>rd</sup> 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 20<sup>th</sup> 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 29<sup>th</sup> 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 8<sup>th</sup> 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 30<sup>th</sup> 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 30<sup>th</sup> November 2020.

### Invited Talks

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

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

**Department of Electrical & Electronics Engineering**  
In association with  
**The Institution of Engineers (India), Dharwad Local Centre**

*Presents Webinar on*

**Android Application Development without Coding Using MIT App Inventor**

**Speaker**  
**Sadanand Pamadi**  
Co Founder Mitras IT and AI Solutions  
Hubballi

Click Link to Register or scan QR code  
<https://argo.page.link/Vxoc2>

Sunday  
20 December 2020  
11:00 AM

All Participants will receive certificate

Contact  
Prof. Pradeep S Vibhuti  
9611828528

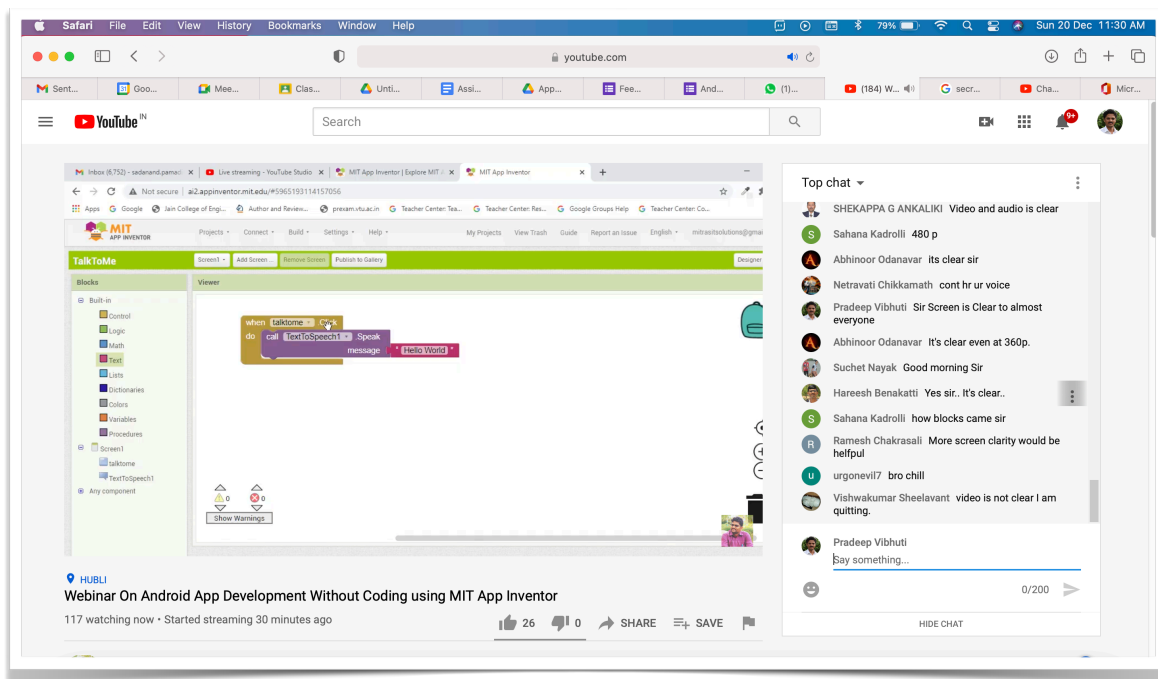
Dr. S. G. Ankaliki  
H.O.D EEE, SDMCET

Er. Vijay Totiger  
Hon. Secretary, IEI, DLC

Dr. R. L. Chakrasali  
Chairman, IEI, DLC

Dr. K. Gopinath  
Principal, SDMCET

theme ‘Thrust Areas for Research in Power and



Energy Systems' organized by VDRIT, Haliyal on 7<sup>th</sup> 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 27<sup>th</sup> 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 15<sup>th</sup> 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 20<sup>th</sup> October 2020
- Prof. S. G. Nayak delivered a lecture on the topic "Electricity" for the 10<sup>th</sup> 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 12<sup>th</sup> 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 11<sup>th</sup> 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

**DR. R. B. PATIL MAHESH PU COLLEGE**  
PRIVADARSHINI COLONY, NEAR AKSHAY PARK  
GOKUL ROAD HUBBALLI-580030

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF ENGINEERING & TECHNOLOGY**  
DHARWAD-580021

IN JOINT ASSOCIATION OF

**A Webinar on the topics**  
**CAREER OPPORTUNITIES AFTER PUC**  
By  
**Dr. G. D. Kamalapur**  
Professor  
Department of EEE  
SDMCET, Dharwad

**WHAT IS ENGINEERING?**  
By  
**Dr. Mrityunjaya Kappali**  
Professor  
Department of EEE  
SDMCET, Dharwad

**On 27<sup>th</sup> August 2020, Thursday**  
**@ 6.00 pm**  
**LIVE ON**  
**YouTube**

For Queries Contact: Prof. Shrvan Nayak- 94482 00483  
**YouTube Live**  
<https://www.youtube.com/watch?v=Ur8cZy8e5g>

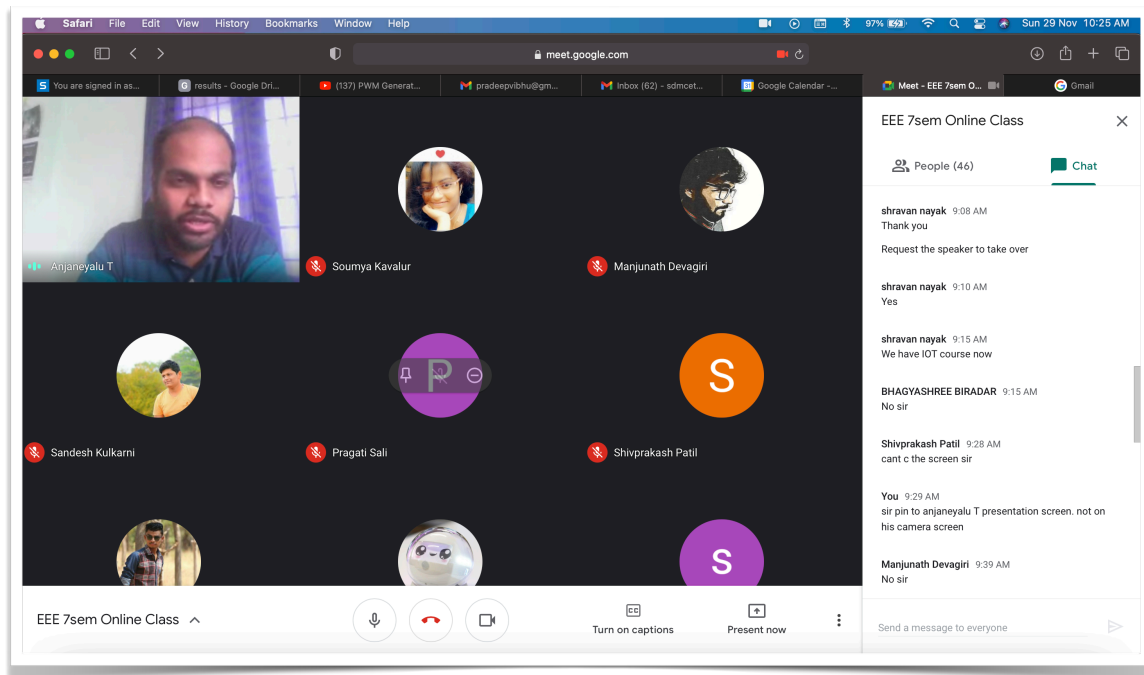
Engineers (India), Dharwad Local Centre, Dharwad on 24<sup>th</sup> November 2020.

- 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 24<sup>th</sup> November 2020.

## Training Programs Attended by Faculty

- Prof. S. P. Amminabhavi attended Online Quiz on "Renewable Energy Basics for Professionals" on 3<sup>rd</sup> 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 1<sup>st</sup> and 2<sup>nd</sup> July, 2020.
- Prof. P. S. Vibhuti participated in a webinar on "Electrical Vehicle: Design, Development and Testing" conducted by EEE Dept. BEC, Bagalkot on 4<sup>th</sup> 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 8<sup>th</sup> 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 6<sup>th</sup> to 10<sup>th</sup> July 2020.
- Dr. R. L. Chakrasali participated in a webinar on 'SG Technology' organized by KSSE Bangalore on 16<sup>th</sup> 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 20<sup>th</sup> 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 16<sup>th</sup> to 20<sup>th</sup> 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 20<sup>th</sup> to 24<sup>th</sup> 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 30<sup>th</sup> September 2020.
- Dr. S. G. Ankaliki attended a FDP on "Recent Trends in Electrical Engineering : A Research Perspective - 2020", from 20<sup>th</sup> to 26<sup>th</sup> 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 6<sup>th</sup> International Conference on Electronics, Computing and Communication Technologies", IEEE CONNECT 2020 organized by IEEE Bangalore Section from 2<sup>nd</sup> to 4<sup>th</sup> 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 27<sup>th</sup> to 31<sup>st</sup> July, 2020.
- Dr. S. G. Ankaliki participated in three days online Techno legal Summit on Cap (Cyber, AI and Patents) held on 3<sup>rd</sup> to 5<sup>th</sup> 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 27<sup>th</sup> to 31<sup>st</sup> July 2020
- S. P. Amminabhavi attended Five Days Online Faculty Development Programme on "Recent Research Development in Electrical



Engineering held from 4<sup>th</sup> to 8<sup>th</sup> 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 14<sup>th</sup> August 2020
- Dr. S. G. Ankaliki attended AICTE sponsored one week online STTP on “Integration, Storage and Control in Hybrid Energy Systems (HES) from 3<sup>rd</sup> to 8<sup>th</sup> 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 16<sup>th</sup> 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 19<sup>th</sup> August 2020.
- Dr. R. L. Chakrasali attended a webinar on “Xilinx FPGA Design Flow” held on 19<sup>th</sup> 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 24<sup>th</sup> to 29<sup>th</sup> August 2020.
- Dr. S. G. Ankaliki participated in Five-day online Workshop on “NBA Frame work for outcome based Education” from 17<sup>th</sup> to 21<sup>st</sup> 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 18<sup>th</sup> & 19<sup>th</sup> Sept. 2020
- Dr. S.G. Ankaliki attended 5 days International Online Workshop on “Crossing Barriers in Research” from 14<sup>th</sup> to 18<sup>th</sup> 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 23<sup>rd</sup> to 27<sup>th</sup> September 2020.
- Dr. S. G. Ankaliki participated in "5 days online FDP on "Universal Human Values" organized by NIT Patna during 21<sup>st</sup> to 25<sup>th</sup> September 2020.
- Dr. R. L. Chakrasali attended a webinar on Power System Protection organized by SDMCET, Ujire on 01<sup>st</sup> October 2020.
- Dr. B. S. Shalavadi attended online FDP on "Energy Engineering" from 5<sup>th</sup> to 9<sup>th</sup> 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 5<sup>th</sup> to 9<sup>th</sup> 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 12<sup>th</sup> to 17<sup>th</sup> 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 23<sup>rd</sup> 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 3<sup>rd</sup> 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 4<sup>th</sup> to 6<sup>th</sup> November 2020.
- Dr. S. G. Ankaliki participated in AICTE Training and Learning (ATAL) Academy online FDP on "Block Chain" from 2<sup>nd</sup> to 6<sup>th</sup> 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 5<sup>th</sup> to 9<sup>th</sup> October 2020.
- Dr. B. S. Shalavadi attended online 5 days FDP on " Electric Vehicles" from 2<sup>nd</sup> to 6<sup>th</sup> 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 20<sup>th</sup> 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 (DOI: 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 15<sup>th</sup> 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 19<sup>th</sup> to 20<sup>th</sup> 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 17<sup>th</sup> 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 15<sup>th</sup> Nov 2020, at PESITM Shimogga.
- Dr. S. G. Ankaliki acted as a reviewer for 4<sup>th</sup> International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimisation Techniques (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13<sup>th</sup> to 14<sup>th</sup> December 2020
- Dr. M. R. Kappali acted as a reviewer for 4<sup>th</sup> International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimisation Techniques (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13<sup>th</sup> to 14<sup>th</sup> 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 25<sup>th</sup> December 2020.
- Prof. Pradeep Vibhuti published an article on ‘Joy of Teaching & Learning’ in LinkedIn on 31<sup>st</sup> December 2020.

### Student Corner

- Ms. Deepa Jakkali completed a course on 'C Programming' from SUB{-}SH Programming Classes on 11<sup>th</sup> 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 23<sup>rd</sup> 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

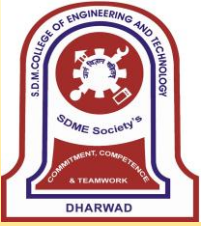
Place	Name	SGPA
I	Nayana M Chatakondi	9.62
II	Sakshi Hegde	9.5
III	Chithkala Vaishnavi R Hosalli	9.4

*Congratulations to all the student*



### ಕೋಡಿಂಗ್ ಬಳಸದೆ ಆವಿಷ್ಕಾರ ಸಾಧ್ಯ

**ಕುಬ್ಜೆ:** ಕೋಡಿಂಗ್ ಬಳಸದೆ ಎಂಬಟಿ ಆಪ್ ಇನ್ ವೆಂಟರ್ ಮೂಲಕ ಲ್ಯಾಂಡ್ ಆಫ್ ಇನ್ಫೋಮೇಷನ್ ಟೆಕ್ನಾಲಜಿ ಮತ್ತು ಇಂಜಿನಿಯರಿಂಗ್ (ಇಂಜಿಯರ್) ವಿಭಾಗವು ಧಾರವಾಡದ ದಿ ಇನ್ ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಎಂಜಿನಿಯರಿಂಗ್ (ಇಂಜಿಯರ್), ಲೋಕಲ್ ಸೆಂಟರ್ ಸಹಯೋಗದಲ್ಲಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಆನ್‌ಲೈನ್ ವೆಬ್‌ನಾಲ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾನುವಾರ ಉಪನ್ಯಾಸ ನೀಡಿದರು. ಸಾಫ್ಟ್‌ವೇರ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಉತ್ತಮ ಸಾಧನೆಗೆ 'ಕೋಡಿಂಗ್' ಪರಿಣತಿ ಹೊಂದುವುದು ಆಗತ್ಯ. ಆದರೆ ಎಂಬಟಿ ಆಪ್ ಇನ್‌ವೆಂಟರ್ ಮೂಲಕ 'ಕೋಡಿಂಗ್' ಬಳಸದೆ ಹೊಸ ಆಪ್‌ಗಳನ್ನು ಹೊಂದಬಹುದಾಗಿದೆ ಎಂದು ತಿಳಿಸಿದರು. ಯಾವುದೇ ಕ್ಷೇತ್ರದಲ್ಲಿ, ವಿಶಿಷ್ಟ ಕೊಡುಗೆ ನೀಡಲು ಎಂಬಟಿ ಆಪ್ ಇನ್‌ವೆಂಟರ್ ಸಹಕಾರಿ ಆಗಿದೆ. ವಿಶಿಷ್ಟ ಸಾಧನೆಯ ಆಕಾಂಕ್ಷೆ ಹೊಂದಿದ ಪ್ರತಿಭಾವಂತರು ಇದರ ಪ್ರಯೋಜನ ಪಡೆಯಬಹುದಾಗಿದೆ ಎಂದು ನುಡಿದರು. ತಮಿಳುನಾಡು, ಆಂಧ್ರ ಪ್ರದೇಶ ಹಾಗೂ ಕರ್ನಾಟಕದ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು. ಕಾಲೇಜಿನ ಎಚ್‌ಒಡಿ ಇಂಜಿನಿಯರ್ ಡಾ. ಎಸ್.ಬಿ.ಅಂಕಲಿಕೆ, ಐಇಇ, ಡಿಎಲ್ ಗೌರವ ಕಾರ್ಯದರ್ಶಿ ವಿಜಯ ತೋಟಗೇರ, ಐಇಇ ಡಿಎಲ್‌ಸಿ 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. 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 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 1<sup>st</sup> and 2<sup>nd</sup> 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 10<sup>th</sup> 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. Ankaliki

An Online QUIZ on "Power Systems Engineering" was organized by department on 27<sup>th</sup> to 29<sup>th</sup> 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 ವೆಂಟಿಲೇಟರ್!

ಎಸ್‌ಡಿಎಂ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಕಪ್ಪಳಿ ಅವರಿಂದ ವಿಸ್ತಾರ



The clipping features a photograph of Dr. M. R. Kappali and his team presenting their 'Janata Ventilator' model. The text in Kannada describes the ventilator's design, which is a simple, low-cost device that can be used in homes or small clinics. It is highlighted as a solution for common people during the COVID-19 pandemic. The article mentions that the ventilator is being demonstrated to the public and covered by media for the general public.

**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 "ಕರೋನಾವಿಜೃಂಭರೋಣ" 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 31<sup>st</sup> 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 29<sup>th</sup> 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 16<sup>th</sup> March to 30<sup>th</sup> March 2020.

Prof. S. G. Nayak attended the Sky campus - **Digital Knowledge Son’s 2020** - Session 3- conducted by ICT Academy from 27<sup>th</sup> 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 2<sup>nd</sup> 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 05<sup>th</sup> May 2020

Dr. G. D. Kamalapur participated in season-1 **Technology for Future Webinar** organized by ICT cademy on AI-ML - (8 SESSIONS) from 9<sup>th</sup> to 18<sup>th</sup> 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 27<sup>th</sup> to 1<sup>st</sup> 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 4<sup>th</sup> to 8<sup>th</sup> May 2020

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

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

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

Prof. S. P. Amminabhavi and Prof. Pradeep S Vibhuti participated in webinar on **“NAAC Accreditation Management System demo”** organized by Inpods on 27<sup>th</sup> 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 1<sup>st</sup> June to 3<sup>rd</sup> 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 4<sup>th</sup> to 8<sup>th</sup> 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 04<sup>th</sup> June 2020.

Prof. S. G. Nayak attended one day workshop ‘**Virtual Labs**’ organized by MHRD at SDMCET Dharwad nodal center on 5<sup>th</sup> June 2020.

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

All the faculty members attended webinar on “**How to Conduct Online Classes**” on 27<sup>th</sup> 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 29<sup>th</sup> 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 22<sup>nd</sup> to 26<sup>th</sup> 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 22<sup>nd</sup> to 27<sup>th</sup> 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 (IJEAI)

**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 1<sup>st</sup> and 2<sup>nd</sup> July 2020.

Dr. G. D. Kamalapur Co-ordinated the activity on “**PLECEMENT PREPARATION**” on 13<sup>th</sup> Feb’2020 2.30 pm to 4.00 pm at CCF Seminar Hall for 6<sup>th</sup> 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 7<sup>th</sup> & 8<sup>th</sup> 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 6<sup>th</sup> 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 17<sup>th</sup> 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 26<sup>th</sup> to 27<sup>th</sup> 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:

DR. K. GOPINATH  
Principal

Dr. S. G. Ankalki  
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 DHARMASTHALA MANJUNATHESHWARA COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD  
(An Autonomous Institution recognized by AICTE & Affiliated to VTU, Belagavi)

**Online Quiz on Power Systems Engineering**

**POWER SYSTEM**

Date: 26<sup>th</sup> of June 2020 to 03<sup>rd</sup> of July 2020

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

Dr. K. Gopinath  
Principal

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

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

Class Webex Meeting | Slide menu bar

Participants (28)

Viewing PRAVEEN KURALLU...

**WIND SYSTEM**

Participants list includes: mansha, Manjunath Devagiri, Mruthunjaya SH, N. Ashwarya, phattashashidar, ranikolar6, SABEHA, Sahana Nayak, sahanak11696@gmail.com, Sangeta, SANJEETH P AMMINABHAVI, Seema Reddy, Shrawan Nayak

NCPSE-2020 using CISCO Webex Platform

Participants (58)

**PROGRAM'S TO PROMOTE ENTREPRENEURSHIP AT DESHPANDE STARTUPS**

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

Participants list includes: Pradeep Vibhuti (You), Yuva Program, Chethan bhavikatti, swaroop samanth, Abhilash Michael, Abhishek Ballaganad, AKHILA BALIGAR, Akshata Joshi, Apoorva Jagadish, APOORVA YAMANUR

Deshpande Startup exposure using Google Meet

Participants (54)

1. Support to budding entrepreneurs in the ecosystem
2. We provide an ecosystem to Validate startup idea
3. Mentors & Industry Connects
4. Makers & ESDM Lab
5. Funding access

Participants list includes: simran mujawar, Soubhagysaxmi Suryava..., Sourmya Kavalur, Sushma Biradar, sushmitha lakkundi, swaroop samanth, VENKATESH VASANAD, VITHAL MADAR, Yashvi Mehta, Yuva Program

Deshpande Startup exposure using Google Meet

Class Webex Meeting | Slide menu bar

Participants (37)

**TSSC FACTS DEVICE**

Fig. 2: General diagram of TSSC

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

$$K = \frac{-X_{tssc}}{\beta X}$$

Participants list includes: SABEHA, SACHIN SAVANTH, Sachinorase88, Sahana Nayak, sahanak11696@gmail.com, Sangeta, Seema Reddy, Shrawan Nayak, sudha, Susa, 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 20<sup>th</sup> 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 10<sup>th</sup> 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 22<sup>nd</sup> - 26<sup>th</sup> 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 12<sup>th</sup> 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 26<sup>th</sup> to 28<sup>th</sup> 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 (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13<sup>th</sup> & 14<sup>th</sup> December 2019

Dr. M. R. Kappali acted as a **reviewer for 4th International Conference** on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), organized by GSSS Institute of Engineering & Technology for Women, Mysuru on 13<sup>th</sup> & 14<sup>th</sup> 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 18<sup>th</sup> & 19<sup>th</sup> 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 7<sup>th</sup> 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 5<sup>th</sup> semester & 7<sup>th</sup> semester students on 23-09-2019, as a part of Department activities.

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

### Toppers List in Dec 2019 Exam:

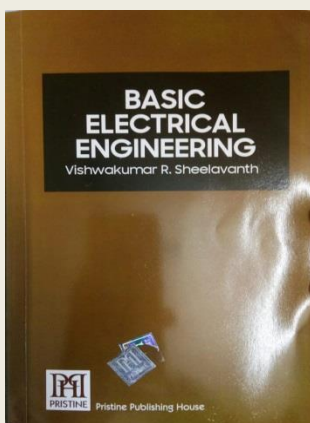
U.G. III Semester		
Rank	Name	CGPA
1	Nayana M Chatakondi	9.58
2	Vaishnavi R Hosahalli	9.42
3	Saskhi Hegde	9.29

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	Swaroopa 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 Heggade 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.

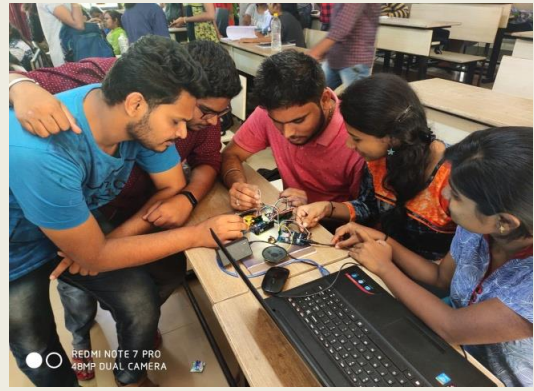
Prof. V. R. Sheelavant was invited as judge for Science fair conducted by Swami Vivekananda Youth movement at Dharwad.

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 150<sup>th</sup> 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 Buildecor 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. Shrivankumar 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:**





# SDMCET EEE NEWS LETTER

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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 with an intake of 18 since 2012.

## 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 2018. 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



## Academic Achievement:

The department is making sincere efforts to provide quality education and encourage the students to acquire necessary skills to take up challenging assignments after obtaining the degree. The sincere efforts of all faculties and students of EEE department resulted in a great milestone in assuring quality of education at SDMCET. The UG program of EEE department is accredited for the third time by NBA (From July 2018 to June 2021) which indicates that students studying here will receive education which is a balance between high academic quality and professional competence and the one that the corporate world expects. The accreditation certifies that the department is committed to impart quality education and thus meets the requirements of all stake holders.

## Placement:

In the recruitment process during 2018, 22 students of E&EE Department obtained placements in various organizations covering diverse fields of IT, Electrical & Electronics etc.

## Talks delivered:

Dr. M. R. Kappali acted as resource person and delivered talk on “Solar PV Systems – Research, Opportunities” at FDP on “Recent Trends in Electrical Engineering & Research Opportunities” conducted by KLEIT, Hubballi on 25-07-2018.

Dr. R. L. Chakrasali acted as resource person in FDP at KLEIT, Hubballi on 27-07-2018 and delivered a talk on “Wide Area Monitoring Communication and Security for Smart Grids”.

Dr. G. D. Kamalapur conducted interactive session on “What after SSLC? at Vanita High School Ramnagar, Dharwad on 20-08-2018, in which 76 students participated in the session.

Dr. M. R. Kappali delivered invited talk on “Energy the Crisis and Management” at Rotary Club, KC Park, Dharwad on 20-12-2018.

Prof. S. G. Nayak Gave a talk on “Latest Guidelines of NBA” at Vivekananda College of Engineering and Technology Puttur, Karnataka.



## Honors and achievement:

Dr. R. L. Chakrasali was invited as Chief guest of Induction Program at VDRIT, Haliyal. He also delivered a talk on “Engineering and Ethics” on 13-08-2018.

An article “VTU-Down the lane and futures” by Dr. R. L. Chakrasali is published in a Souvenir brought out by VTU in view of VTU foundation day celebration held on 29th July 2018.

Dr. S. G. Anakaliki is confirmed as a member of Editorial Board of i- manager’s Journal on Power System Engineering” (JPS) for the period from November 2018 – October 2019.

Dr. S. G. Ankaliki is nominated as a member of publicity committee in the International Conference on Electrical Communications, Electronics Instrumentations and Computing (ICECEIC- 2019) organized by Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kandripuraas, Tamilnadu, during 30<sup>th</sup> & 31<sup>st</sup> January 2019.

Dr. M. R. Kappali acted as an expert to interview the Ph. D Candidates on 20-07-2018 at KLE Tech. University, Hubballi.



Dr. G. D. Kamalapur published a paper on “Power Distribution system in India” Vol. 58, No. 6, June 2018, PP 68-73.

Dr. S. G. Ankaliki authored a paper titled “Voltage Stability Analysis with Introduction of DG in to the Distribution Systems” is published in International Journal of Scientific Development and Research (IJSDR), Vol.3, Issue 7, PP-107-112 July 2018.

Prof. S. G. Nayak Presented a paper on the topic “Evaluation of performance parameters and economic analysis of IMW Grid connected solar PV plant” at IEEE International conference at SDMIT, UJIRE on 27-10-2018.

Prof. Manjula. S. Sureban Presented a paper on the topic “Evaluation of Available Transfer capability of Transmission line under normal and contingency conditions” at IEEE Sponsored International Conference at SDMIT, UJIRE on 27-10-2018.

Dr. M. R. Kappali presented Paper on “Improving Voltage Profile of REC Using Multiple Energy Storage System” in IGGE International conference, ICRIEECE, Kalinga Institute Ind. Tech (KIIT), Odisha. On 27-07-2018.

Dr. G. D. Kamalapur published a paper titled “Transformer Trends in Electrical India Vol. 58, No 12 December 2018 PP 76-84.

Dr. G. D. Kamalapur published a paper titled “Comparative Analysis of TCSC & STATCOM in Power System” in the proceedings of Third International conference on Electric, Electronics Communication, ICEECOOT-2018 at GSSS Institute of Technology Mysore.

Dr. G. D. Kamalapur Co-authored a paper titled “Simulink and Analysis of GCSC with PI controller using MATLAB” which is published in the proceedings of Third International conference of Electrical, Electronics, Communication ICEECOT-2018, 14-15 December 2018, at GSSS Institute of Technology Mysuru, indexed by IEEE.

Dr. R. L. Chakrasali Published a paper titled “Calculation of Real Time Load Losses in Distribution Transformer Connected to a feeder ” in International Journal of science and Engineering Investigation” scopus indexed unpaid journal, Vol. 7, issue 81, Oct 2018.

### Workshops organized/Attended:

Dr. R. L. Chakrasali involved in organizing one day workshop on Skill Development Training Program on new building products at The IE(I) Dharwad on 14-07-2018.

Training on MATLAB/SIMULINK conducted for 5th semester students for 20hrs by external resource person Mr. Naveenkumar on 29-09-2018 to 01-10-2018

Training on Basics of ‘C’ programing for 5th semester students was conducted by Prof. S. S. Navalagund for 20hrs from 6<sup>th</sup> to 8<sup>th</sup> October 2018.







# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad

Department of Electrical and Electronics Engineering

(Our motto: Professional Competence with Positive Attitude)

June 2018  
Volume IX

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

**Manjula S Sureban**  
**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 for UG program, 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 with an intake of 18 since 2012.

## 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 2018. I congratulate 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

## ACADEMIC PERFORMANCE:

The department is making sincere efforts to provide quality education and encourage the students to acquire necessary skills to take up challenging assignments after obtaining their degree. The students' academic performance for Jan 2018 examination is indicated in the table.

Program	SEM	RESULT (%)
UG	III	81.39
	V	93.02
	VII	98.68
PG	I	100
	III	100

## PLACEMENT:

During the recruitments of 2018 graduated students, 21 students of E&EE Department are placed in various multinational companies in diverse fields like IT, Electrical & Electronics etc.

## ACTIVITIES:

- Sri. Shivanand Kanavi delivered a lecture on "Future Careers in Engineering and Start-ups" on 24-01-2018



- Dr. H. Naganagouda, Director, National Training Centre for Solar Technology, KPC Ltd., Bangaluru delivered a talk on "Renewable Energy Sources towards Sustainable Development" for VI, VIII & M. Tech students on 27-02-2018.
- Organized National conference on Power Systems Engineering-NCPSE-2018 on 20-04-2018. Dr. G. D. Kamalapur acted as coordinator of the conference and Dr. S. G. Ankaliki was the convener of the conference. More than 40 papers were presented in the conference and more than 80 delegates from various colleges participated.





### FACULTY CORNER:

- A total of 25 papers were published/presented in International/National Journals and conferences by the Faculty members in various fields' viz. Power System, AI applications, and Power Quality, etc.
- A book on "Testing & Commissioning of Electrical Equipments" by Dr. R. L. Chakrasali is listed in reference books by VTU for VII semester E&EE branch students.
- Dr. G. D. Kamalapur Served as an External Examiner for VIII semester BE project examination at BEC Bagalkot on 29th & 30<sup>th</sup> May 2018.
- Dr. S. G. Ankaliki has been selected as a member of Additional Board of i-manager's Journal on software Engineering for the period March 2018 to Feb.2019.
- Dr. S. G. Ankaliki has selected as a Reviewer of i-manager's Journal on Circuits and Systems (JCIR) for the period march 2018 – February-2019.
- Articles by Prof. Manjula S. Sureban on woman empowerment and achievement were published in Prajavani newspaper in "NariShakti" column on every Wednesday from May 2018 to August 2018.
- Prof. B. S. Shalavadi acted as a Department main Co-ordinator for Insignia -18. Department conducted three events viz Do-It-yourself, Paper presentation and Clash of Electronics with Department event Co-ordinators on 16-03-2018.
- Prof. Manjula Sureban attended FDP on Pedagogy on "Technical Education" at VTU Centre for PG Studies Muddenahalli, Chikkaballapur from 20<sup>th</sup> to 24<sup>th</sup> Feb 2018.

### FACULTY AS RESOURCE PERSONS:

- Dr. R. L. Chakrasali was invited as a resource person for four days STTP organized by KLE's, Dr. Sheshgiri College of Engineering & Technology Belagavi and delivered talk on Communication, WAM and Security Systems for Smart Grid on 24-01-2018.
- Dr. S. G. Ankaliki was invited as resource person for four days STTP on "Wide Area Monitoring and control of Power Systems Using Synchrophasor Technology" organized by KLE's, Dr. Sheshgiri College of Engineering & Technology Belagavi on 18.01.2018.
- Dr. M. R. Kappali delivered a talk on Overview of the book 'Third Curve' at IEI Dharwad Local Centre on 13-03-2018.
- Dr. R. L. Chakrasali, was invited as president of Inaugural function of 2 days All India Seminar organized by Civil Department, VDRIT, Haliyal & IECI, Dharwad Local Centre at VDRIT, Haliyal on 23-02-2018.

### STUDENT CORNER:

#### Under Graduate:

- DO-IT-YOUR SELF, an activity as a part of INSIGNIA-2018 was organized. 45 students participated in the event and exhibited their technical skills.
- Paper Presentation Contest TECHNOSCOPE-2018 was organized as a part of INSIGNIA-2018. A total 36 teams from the department and also from outside colleges participated to showcase their technical as well as presentation skills.
- Three papers were published/ presented in National/International Journals and Conferences by UG students in the field of Power System, FACTS etc.

#### Post Graduate:

- A total of 20 papers were presented in National level Conference by PG students in the field of Power System and related areas.



# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad

Department of Electrical and Electronics Engineering

*Professional Competence with Positive Attitude*

Jan 2018  
Volume VIII

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

**Anand Deshmukh**  
**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 an initial intake of 30 seats which was further enhanced to 60. The course has been approved by AICTE, accredited by NBA twice, recognized as the research center by VTU and has been awarded an Academic Autonomy status from 2007.

## PLACEMENT:

The students' placement during the year 2017-18 in the department is 12. The students were placed in various multinational companies in diverse fields like IT, Electrical etc.

## EVENTS:

Shri Mahesh Padayan (Alumni 1992 pass out) interacted with V sem EEE student in Challenges for Electrical Engineers on 03-08-2017.

## Editorial:

*I am pleased and privileged to place the newsletter of EEE Department, containing the academic, co-curricular and extracurricular activities of 2016. I congratulate the faculty and students for their efforts in achieving the professional competence with positive attitude. Further, I believe that the continued team effort will help us marching towards professional excellence.*

Dr. S. G. Ankaliki

- Shri Prasad R Tonse, (Alumni 2016 pass out Mechanical) General Engineering Trainee, BOHLER INDIA Pvt. Ltd., Bangalore, interacted with VII sem. EEE students on topic INDUSTRY EXPECTATIONS on 12-08-2017.
- 57 SSLC students of Mallasajjan High school visited SDMCET, Dharwad on 04-08-2017.
- Captain C. S. Anand interacted with IIIrd & Vth sem. Students on topic "Motivation to be Engineer's" Day celebration function on 15-09-2017.

- Executive Engineer Narayan Gowda and Assistant Engineer Raghavendra K of Corporate office HESCOM Hubli interacted with VII sem UG & III sem M. Tech students on topic "Challenges in Electrical Distribution Systems.

## FACULTY CORNER:

- A total of 12 papers were 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 was invited to KHK Institute of Engg. Dharwad as Chief Guest for the Fresher's welcome and Inauguration Dept. students Association on 09-09-2017
- Dr. R.L. Chakrasali, was invited to review a book on "Basic Electrical Engg" by Oxford University Press India and Prof. R. L. Chakrasali completed review on 10-09-2017
- Dr. M. R. Kappali delivered invited talk on "Learning Styles" at Two days workshop on "Pedagogy in Engg Education" conducted by SDMCET, Dharwad
- Prof. V. R. Sheelavant was invited by HIT, Nidasoshi as a resources person to the workshop on "MATLAB Applications to E&E Engg" on 22<sup>nd</sup> -23<sup>rd</sup> September 2017.
- Dr. R. L. Chakrasali acted as organized secretary of one day National Seminar on Power and Machinery Systems organized by IE(I) and UAS Dharwad on 6<sup>th</sup> & 7<sup>th</sup> Oct. 2017

- Dr. M. R. Kappali Acted as Chairman, Technical and Souvenir Committee IEI National Conference “ Food Process Engineering Technology”, organized by IEI Dharwad.
- Dr. M. R. Kappali Presented “Critical views on employing renewable energy sources for Farm Application at IEI National Seminar “Farm and Machinery Systems” organized by IE(I), Dharwad & University of Agri. Science, Dharwad on 14<sup>th</sup> Oct. 2017.
- Dr. R. L. Chakrasali acted resource person in AICTE sponsored FDP organized by BLDEA’s Engineering College Vijayapur on 30.11.2017 and delivered talk on the following topics each session of 2 hours.
  - SCADA & Smart Grid Communications
  - Restructured Power Systems – Challenges
- Dr. G. D. Kamalapur & Prof. V. R. Sheelavant interacted with 10<sup>th</sup> A Division and 10<sup>th</sup> B Division students of Govt. High School Yarikoppa on Topic “How to Choose Career after SSLC & Courses after SSLC”.
- Dr. M. R. Kappali delivered invited talk “Learning Crisis” at Institution of Engineers, Dharwad on 12-12-2017
- Prof. S. G. Nayak participated as resource person to deliver the basic information about diodes, zener diodes and transistors to the 10<sup>th</sup> standard students at S. N. High School, Sanilcatta, Gokarna as a part of community service. He also motivated the students about what are the opportunities after SSLC by giving information brochure to all the students He also tested the basic knowledge of students about basic electricity by conductive a quiz program.
- Dr. S. G. Ankaliki has given invited talk on “Recent Trends in Power Systems” at Institution of Engineers (India) Local Centre, Dharwad on 26-12-2017

#### UNDER GRADUTE STUDENT CORNER:

Fifth Sem. EEE dept. students visited SAWAR Batteries manufacturing unit, Lakamanahalli Industrial Area Dharwad with 50 students Prof. Sharavankumar Nayak & Shri G. B. Koppad arranged and accompanied the students on 14-08-2017

Shri Shridhar B Koujalagi (2015 Pass out ) presently working as Engineer in Godavari Bio-refineries Limited Sameerwadi interacted with VII semester students regarding “INDUSTRY EXPECTATIONS”

Miss Sonaxi Raikar (2015 pass out) Presently pursuing M. Tech at NIE Mysore, Interacted with VII semester students regarding “GATE & PG CET.

Vaishnavi Bagalwadi & Apoorva Kulkarni attended two weeks Industrial internship training at Kaiga .

Shanawaz Shaikh (2014 passout ) is a founder member of AMAZ WING APP developed in for social applications interacted with VII sem (E&E) students.

Miss NAGMA SWAMI (2017 Passout) interacted with VII semester (E&E) students regarding “Preparation for higher studies in Germany and IELTS Examination.

Miss Ankita Pujar (2012 passout interacted with VII Sem. Students on “Preparation for GRE opportunities in USA for higher education”.



# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad  
Department of Electrical and Electronics Engineering  
*Professional Competence with Positive Attitude*

Jan 2017  
Volume VI

**Dr. G. D. Kamalapur**  
**Editor-in-Chief**

**Anand Deshmukh**  
**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 an initial intake of 30 seats which was further enhanced to 60. The course has been approved by AICTE, accredited by NBA twice, recognized as the research center by VTU and has been awarded an Academic Autonomy status from 2007.

## PLACEMENT:

The students' placement during the year 2016 in the department is 18. The students were placed in various multinational companies in diverse fields like IT, Electrical etc.

## EVENTS:

India is trying hard to get entry into Nuclear Supply Group of the world so that, it can have the technology transfer for its Energy Security" opined Sri Jeevandhar kumar, Deputy Secretary, SDM Education Society Dharwad, after inaugurating one day seminar on Nuclear Energy – Opportunities and Challenges at SDM College of Engineering and Technology Dharwad.

Shri Ramesh Nayak, Deputy General Manager of Kirloskar Electric Company, Hubli interacted with the V semester students on 5-11-2016 on the topic "Electric Vehicles-Performance and Applications".

Sri Vinay Nadgir, Principal, Mallasajjan School, Dharwad interacted with the third semester students on 07-11-2016 on the topic "Effective English communication; for Engineering Profession".

## Editorial:

*I am pleased and privileged to place the newsletter of EEE Department, containing the academic, co-curricular and extracurricular activities of 2016. I congratulate the faculty and students for their efforts in achieving the professional competence with positive attitude. Further, I believe that the continued team effort will help us marching towards professional excellence.*

Dr. G. D. Kamalapur



*Seminar on Nuclear Energy – Opportunities and Challenges*

Present day Electrical Power Sector offers many challenges and engineering students should expose to the recent trends opined Mr. Hemant Ghodke, Assistant Executive Engineer, KPTCL, Corporate Office Navanagar, Hubli. He was interacting with the EEE Dept. students of S.D.M. College of Engineering and Technology, Dharwad on the occasion of 155<sup>th</sup> Birth Anniversary of Bharat Ratna Dr. M. Visvesvaraya.

Department of EEE organised Late Prof R.G.Desai memorial lecture on 21-11-2016. Dr. G. H. Joshi, HOD CSE Dept, K L E University, (alumni of EEE dept. 1988 pass out) interacted with the III and V semester students on topic "What does it take to be an Engineer. He explained about Washington Accord, Graduate attributes relevance of engineering projects, internships in the curriculum with success stories of his teaching journey.

Department of EEE organized one day workshop on “Hands on Training of Electrical and Electronics Equipment’s” on 23<sup>rd</sup> September, 2016 Friday, with resource persons Mr. Sunil Shambhattachanavr, General Manager Advanced Electronics Systems Bangalore. Principal Dr. S B Vanakudre inaugurated the workshop.



### FACULTY CORNER:

- A total of 16 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 was invited to deliver talk as a resource person and conducted workshop for one full day on concepts in Electrical Engineering at Sanjay Ghadarat Engineering College Atigre Kolhapur for faculty members of SGI College on 19.08.2016.
- Dr. G. D. Kamalapur gave a guest lecture on “Opportunities for Electrical students” VDRIT, Haliyal.
- Dr. S. G. Ankaliki was invited as a session chair for International conference on “Recent Innovative in Engineering (iCRiE-16) organized Hirasugar Institute of Technology Nidiasoshi from 8<sup>th</sup> to 9<sup>th</sup> October 2016
- Dr. G. D. Kamalapur gave a Guest lecture on “Electrical Energy Conservation to Engineering and department of TATA MOTORS LTD, Belur Industrial Area, Dharwad
- Prof. B. S. Shalavadi had been invited as a guest and presented a talk on “Distribution Transfermer – sizing as peer” at The Institute of Engineer (India) Dharwad.
- Dr. R. L. Chakrasali has been selected as Honorary Secretary of the Institution of Engineers (India) Dharwad Local Centre and took charge on 27.10-2016.

### UNDER GRADUTE STUDENT CORNER:

- Miss Anisha Joseph (2009 Pass out Alumni) interacted with VII semester students on 06-08-2016, on the topic “ Ph. D opportunities in USA”, presently she is doing Ph. D in communication Networks at UMASS, Lowell.

- Mr. Raghavendra K (2008 pass out) presently working with LARSON & TURBO, Dubai, Interacted with Final year students on “Experience of Electrical Engineer” and highlighted about GAS INSULATED SUBSTATION which he had specialized experienced on 12-08-2016.

- Department Conducted essay competition on Topic” India’s Contribution to challenges” and technology; Opportunities and Challenges” for III & V semester students and Twenty students participated in the event.

- Firasat Mulla ,V semester student participated in Quiz competition organized by Indian Red cross Society at VTU, Belgavi.

- Sunil Joshi conducted activity based learning project for III semester E&E students spread over the semester. It was attached to the Analog Electronics lab.

- Hobby project exhibition “Do-It-Yourself” was conducted for III semester students on 18-11-2016 2:00 pm to 5:00 pm. Total 57 students participated in the event.

- Prof. Shravankumar Nayak, conducted activity based learning for V semester students by giving various design problems to be simulated using suitable software.

- Dr. M. R. Kappali conducted activity based learning for V semester students. As a part of these activity students rigged up a working circuit based on Power Electronics and demon started the same. In all, there were 18 projects.

- Prof. Anand Deshmukh conducted activity based learning for V semester students. The topic chosen was Emerging Technologies in Renewable Energy Sources. Total 15 topics were presented by students via seminar.

- Miss Chandrika Kulkarni’s article titled” Addressing Energy Needs and Environmental Challenges” has published in Electrical India Magazine Volume 56, number 2, December 2016, pp 52-56.



# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad  
Department of Electrical and Electronics Engineering  
*Professional Competence with Positive Attitude*

August 2016  
Volume V

**Dr. G. D. Kamalapur**  
**Editor-in-Chief**

**Anand Deshmukh**  
**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 an initial intake of 30 seats which was further enhanced to 60. The course has been approved by AICTE , accredited by NBA twice, recognized as the research center by VTU and has been awarded an Academic Autonomy status from 2007.

## ACADEMIC PERFORMANCE:

The department is making all efforts to impart quality education and mould the students to acquire necessary skills to take up challenging assignments after obtaining their degrees. The performance as indicated in the table.

	SEM	RESULT (%)	SEM	RESULT (%)
UG	III	50.0	IV	51.3
	V	69.8	VI	86.4
	VII	85.9	VIII	87.2
PG	I	100	III	100
	II	100	IV	100

## PLACEMENT:

The students' placement during the year 2015 in the department is 32. The students were placed in various multinational companies in diverse fields like IT, Electrical etc.

## EVENTS:

Jahnvi Joshi and Nupura Kirloskar, founders of Blee Technological Innovations Pune interacted on topic ‘ Project and social relevance’ with VI sem and VIII sem students on 8-2-2016.

India has above 50 crore young human resources and they can become the word leaders in startup India and standup India opined Dr. Veeranna S. H., Managing Director NGEF Ltd, Hubli, interacting with EEE students of SDMCET on “Startup India-An opportunity for Engineers”.

“Technology is available in villages and we should study the basics of hide engineering technology from

villagers like observing the stars for rains.” Opined Shatavadhani Dr. Ganesh. He was interacting with EEE students of SDMCET , Dharwad on “Tantra Jnana- Tantrajana of Bharat”.

## Editorial:

*I am pleased and privileged to place the newsletter of EEE Department, containing the academic, co-curricular and extracurricular activities of the year 2016. I congratulate the faculty and students for their efforts in achieving the professional competence with positive attitude. Further, I believe that the continued team effort will help us marching towards professional excellence.*

Dr. G. D. Kamalapur

Sharing and Dissemination of Technical knowledge is the need of the hour and Indian engineers need to work in this direction opined DR. V. N. Shet, Principal Goa Engineering College, Goa while inaugurating second National Conference on “Power Systems Engineering” at the Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad on 2nd April 2016.



### FACULTY CORNER:

- A total of 20 papers were published in International/National Journals by the Faculty members in various fields viz. Power System, AI applications, and Power Quality, etc.
- Prof. Santoshkumar completed Ph. D degree from NITK, Surathkal on 25-06-2016.
- Prof. Santoshkumar got elevated as SENIOR MEMBER of IEEE.
- Dr. G. D. Kamalapur invited as a Chief Guest of training program on “Automation in Motor Control Using PLC & SCADA” at K. H. Kabbur Polytechnic, Dharwad.
- Dr. G. D. Kamalapur invited as a subject expert for faculty recruitment committee of Electrical Engineering Department Bellary Institute of Technology, Bellary.

### Faculty as Resource Persons.

- Prof. V. R. Sheelavant gave a seminar on “Application of MATLAB/SIMULINK in Engg. Field” at Institute of Engineers. Dharwad.
- Dr. R. L. Chakrasali was invited to deliver a Guest Lecture on “Sustainable Energy Option in Smart Grid” at Dept. of EEE, BLDEA’s Engineering College Vijayapur.
- Dr. G. D. Kamalapur Chaired session of paper presentation on Ethics in Engineering at state level Seminar Ethics in Science and Technology” organized by Sathya Sai Institute of Home Science Dharwad on 12-03-2016

### UNDER GRADUTE STUDENT CORNER:

- DO-IT-YOUR SELF, an activity of connecting the hardware of electric circuits was organized as a part of INSIGNIA-2015.
- National Level Paper Presentation Contest TECHNOSCOPE-2015 was organized as a part of INSIGNIA-2015.
- Innovative Idea Presentation Competition as part of Insignia-2015 was organized for IV<sup>th</sup>, VI<sup>th</sup> and VIII<sup>th</sup> semester students.
- As a part of community services VII<sup>th</sup> sem. (E&E) students Miss. Pooja Kuradikar, Pushpa Chavan & Nisha Hiremath, interacted with IX<sup>th</sup> & X<sup>th</sup> class students of Vanita Seva Samaja High School Ramnagar, Dharwad from 3.00pm to 4.15pm.
- Three papers were published in National/International Journals and Conferences by UG students in the field of Power System, FACTS etc.

- An interactive session was held between the VI<sup>th</sup> sem and the VIII<sup>th</sup> semester EEE students. Miss. Sonaxi Raikar, Miss Shashikala, Miss Manasa, Mr. Dixit Kumar and Mr. Durgesh Panday shared their experience of preparations for placement and various issues they come across during the placement process, with the VI<sup>th</sup> sem. Students.



### POST GRADUTE STUDENT CORNER:

- A total of 20 papers were published in National/International Journals and Conferences by PG students in the field of Power System, FACTS etc.

### EXTRA-CURRICULAR ACTIVITIES:

Electrical Premier League-III was conducted by the students, for both PG and UG. Sixth semester Boys and Eighth semester Girls won the third season of Electrical Premier League. Students actively participated in the cricket match with great enthusiasm and played with sportsman spirit.



### INDUSTRIAL VISITS:

Eighth Semester students visited Ambikanagar Hydal Power Plant on 29-04-2015. Prof. Anand Deshmukh accompanied a total of 40 students.



# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad

Department of Electrical and Electronics Engineering

Professional Competence with Positive Attitude

August 2015  
Volume II

**Dr. G. D. Kamalapur**  
Editor-in-Chief

**Prof. Anand Deshmukh**  
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 an initial intake of 30 seats which was further enhanced to 60. The course has been approved by AICTE, accredited by NBA twice, recognized as the research center by VTU and has been awarded an Academic Autonomy status from 2007.

## ACADEMIC PERFORMANCE:

and personal from Government organizations.

The department is making all efforts to impart quality education and mould the students to acquire necessary skills to take up challenging assignments after obtaining their degrees. The performance as indicated in the table.

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

## Editorial:

*I am pleased and privileged to place the news letter of EEE Department, containing the academic, co-curricular and extracurricular activities of the year 2015. I congratulate the faculty and students for their efforts in achieving the professional competence with positive attitude. Further, I believe that the continued team effort will help us marching towards professional excellence.*

Dr. G. D. Kamalapur

## PLACEMENT:

The students' placement during the year 2015 in the department is 26. The students were placed in various multinational companies.

## EVENTS:

➤ Major General Satya Swaroop Sharma Vishishtha Sewa Medal awardee, addressed Engineering students held on 17-01-2015. He interacted with the students on a topic "Himalaya Avalanche Engineering Aspects".

➤ A National level conference was organized by the Department of EEE, on Electrical Power Systems held on 11th April 2015. Dr. G. D. Kamalapur, inaugurated the conference. Two key note addresses were given by Dr. S. R. Karnik, Professor, BVBCET, Hubli and Dr. D. B. Kulkarni, Professor, GIT Belgaum on topics Research avenues in Power system Engineering and Reactive Power Management respectively. In all, thirty seven papers on different fields of EEE were presented by the PG students', research scholars

- Talk on "Entrepreneurship as a carrier" was organized for VIII semester students and M. Tech students of EEE Department on 17-03-2015. M. S Manjunath, acted as resource person.
- One day workshop on "Introduction to Multisim" was conducted for IV semester EEE students held on 28-03-2015. Prof. Anand Deshmukh acted as resource person.
- Talk on "Power System Operation and Control" by Narasimha Pandit, Executive Engineering, KPTCL, Bengaluru was organized for VI<sup>th</sup> & VIII<sup>th</sup> semester students held on 23-03-2015.





- Ganesh V. Kasabekar an Alumnus of the Department EEE belonging to 2008 batch had an interaction with VI semester students and shared his professional experience besides options for Electrical Engineering students held on 11<sup>th</sup> April 2015.

### **FACULTY CORNER:**

- A total of **13** 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, Prof. Sushma D., Dr. S. G. Ankaliki and Prof. Anand D attended faculty development programs in pedagogy and domain areas.

### **Faculty as Resource Persons.**

- Prof. V.R Sheelavant acted as resource person and delivered a lecture on “Solar Energy Basics”, held on 21<sup>st</sup> February 2015 at AGMR Rural College of Engineering and Technology VARUR.
- Dr. G. D. Kamalapur, Dr. S.B Kargji and Dr. M.R. Kappali acted as resource persons at ONE DAY workshop on “RENEWABLE ENERGY SYSTEMS” held on 8<sup>th</sup> March 2015 at BDT, College of Engineering & Technology Davanagere.
- Dr. S. G. Ankaliki, Dr. G. D. Kamalapur, Dr. M.R. Kappali, Dr. R. L. Chakrasali, Prof. Sunil Joshi, . Prof. V. R. Sheelavant, Prof. Anand D, Prof. Sushma D contributed to SDM Radio Engineer Program –AIR Dharwad.
- Dr. G. D. Kamalapur , Dr. M.R Kappali gave a lecture during three days’ workshop on Solar Energy” was held from 25 to 27 June 2015 at SDMCET Dharwad.
- Dr. R. L. Chakrasali gave an invited talk on “Location for New IIT-key drivers” at the Institution of Engineers (India),Dharwad Local Centre -Dharwad on 22-04-2015.

### **POST GRADUTE STUDENT CORNER:**

- Workshop on “MiPower Software to Power System Applications” was organized from 27<sup>th</sup> to 28<sup>th</sup> Feb 2015 for M. Tech students , Mr. Basil ,Trainee Engineer PRDC, Bangalore acted as Resource person.
- One day workshop on PLC & SCADA System was conducted by Naveenkumar R. Kulkarni for M. Tech students held on 14-03-2015.
- M. Tech- II<sup>nd</sup> semester students attended workshop on “SMART GRID TECHNOLOGIES” at (SGT-VMC2015) organized by the department of E&E Engineering “PES Institute of Technology, Bengaluru held during 5<sup>th</sup> – 7<sup>th</sup> March 2015.
- A total of **07** papers were published in the various fields of Renewable Energy, Smart Grid Technology, Distributed Generation ,FACTS, AI applications to PS, Power Quality etc.

### **EXTRA-CURRICULAR ACTIVITIES:**

Electrical Premier League-II was conducted by the students, for both PG and UG. VIII<sup>th</sup> semester Boys and VIII semester Girls won the Second season of Electrical Premier League –II. Students actively participated in the cricket match with great enthusiasm and played with sportsman spirit. Prof Anand Deshmukh Coordinated the event.

### **INDUSTRIAL VISITS:**

- VI<sup>th</sup> Sem (E&E) students made a visit to Varahi Hydro Power station at Hosangadi on 06-02-2015 to upgrade the knowledge of Transmission & Distribution and power generation Prof. Anand Deshmukh & Prof. Sushma Dinakar accompanied the students.

### **UNDER GRADUTE STUDENT CORNER:**

- DO-IT-YOUR SELF, an activity of connecting the hardware of Electrical & Electronics Engineering was organized as a part of INSIGNIA-2015 held on 18-03-2015.
- Module Development using Microcontroller was held as part of INSIGNIA-2015 for VI<sup>th</sup> and VIII<sup>th</sup> semester students on 18-03-2015.
- Innovative Ideas through Poster Presentation Contest was held as a part of INSIGNIA-2015 for First semester students on 19-03-2015 .

➤ IV<sup>th</sup> Sem (E&E) students made a visit to Varahi Hydro Power station at Hosangadi on 07-02-2015 to upgrade the knowledge of Transmission & Distribution and power generation Prof Nandakumar C accompanied the students.



# SDMCET EEE NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad

Department of Electrical and Electronics Engineering

*Professional Competence with Positive Attitude*

April 2015  
Volume I

**Dr. G. D. Kamalapur**  
Editor-in-Chief

**Sri. Anand Deshmukh**  
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 an initial intake of 30 seats which was further enhanced to 60. The course has been approved by AICTE, accredited by NBA twice, recognized as the research center by VTU and has been awarded an Academic Autonomy status from 2007.

## ACADEMIC PERFORMANCE:

The department is making all efforts to impart quality education and mould the students to acquire necessary skills to take up challenging assignments after obtaining their degrees. The performance as indicated in the table.

	SEM	RESULT (%)	SEM	RESULT (%)
UG	I	84	II	83
	III	77	IV	64
	V	96	VI	97
	VII	98	VII	100
PG	I	100	III	100
	II	100	IV	100

## PLACEMENT:

The students' placement during the year 2014 in the department is 21. The students were placed in various multinational companies in diverse fields like IT, Electrical etc.

## EVENTS:

- A Workshop on "Controller Design for Power System Applications" was organized on 21-3-2014. PG students, faculty members from all the departments & faculty from Engg. Colleges in North Karnataka participated in the workshop. Dr. Uma Rao and Dr. Jaipal of RVCE Bengaluru were the resource persons.



## Editorial:

*I am pleased and privileged to place the news letter of EEE Department, containing the academic, co-curricular and extracurricular activities of the year 2014. I congratulate the faculty and students for their efforts in achieving the professional competence with positive attitude. Further, I believe that the continued team effort will help us marching towards professional excellence.*

Dr. G. D. Kamalapur

- HVDC play vital role in power transmission in future opined Prof. Dr. K. R. Padiyar, Emeritus Professor who is an internationally recognized expert in the areas of HVDC and FACTS, Power System dynamics and Control, in an invited talk organized.



- A Talk on "Industrial Automation" by Sri. H.

S. Shiva Shankar, Branch Manager, Prolific System Technologies Pvt. Ltd., was arranged on 05-11-2014.

#### **FACULTY CORNER:**

- A total of **15** papers were published in International/National Journals by the Faculty members in various fields viz. Power System, AI applications, and Power Quality, etc.

#### **Faculty as Resource Persons.**

- Expert talk by Dr. G. D. Kamalapur at National Conference “ATEES 2014” on “Rural Electrification”.
- Prof. V. R. Sheelavant acted as Jury member for paper presentation contest AVISHKAR-2014, at VDRIT, Haliyal.
- Dr. S. G. Ankaliki attended as a judge for PLEIADES-2014, a paper presentation competition held at BVBCET, Hubli.
- Dr. R. L. Chakrasali acted as judge in a project exhibition competition organized by E & E and E & C Depts. of KHK Institute of Technology, Dharwad
- Dr. R. L. Chakrasali was invited to deliver a talk on “Testing and Commissioning of Transformers” at AGMR Engineering College Varur.
- Dr. G. D. Kamalapur participated as a member of panel in a Discussion on “Empowerment, Education, and Entrepreneurship” at BVBCET, Hubli
- Dr. S. G. Ankaliki, Prof. Sushma U. and Prof. Anand Deshmukh attended faculty development programs in pedagogy and domain areas.

#### **UNDER GRADUTE STUDENT CORNER:**

- DO-IT-YOUR SELF, an activity of connecting the hardware of Electrical & Electronics Engineering was organized as a part of INSIGNIA-2014 held on 27-03-2014.
- National Level Paper Presentation Contest TECHNOSCOPE-2014 as a part of INSIGNIA-2014 was organized.
- Design Competition as part of Insignia-2014 was organized and the design problem was to design and develop “NEUTRAL FAILURE INDICATOR”.
- Tabrez Hussain, Heena Tyanagi, Sushma Angadi & Abhishak Upadhaya have received certificate of appreciation from Government of Karnataka for the

project work on “Intelligent Wheel chair” as the best innovative technical project.

• Dr. G. D. Kamalapur organized DO-IT YOURSELF, a hobby project exhibition for third semester students.

- A total of **03** papers were published in National/International Journals and Conferences by UG students in the field of Power System, FACTS etc.

#### **POST GRADUTE STUDENT CORNER:**

- Attended three days Short term course on Power Electronics in Distributed Generation at NITK, Surathkal.
- Fourth Semester Students had organized a workshop on “MiPower Platform for Power System Studies -2014”.
- A total of **09** papers were published in ELSEVIER proceedings in the areas of Renewable Energy, Smart Grid Technology, Distributed Generation ,FACTS, AI applications to PS, Power Quality etc.

#### **EXTRA-CURRICULAR ACTIVITIES:**

- Electrical Premier League-I was conducted by the students, for both PG and UG. Eighth semester Boys and VI Sem Girls won the first season of Electrical Premier League –I. Students actively participated in the cricket match with great enthusiasm and played with sportsman spirit.
- Supporting staff members participated in Manjushri cricket tournament.



## **INDUSTRIAL VISITS:**

Seventh Semester EEE students visited NAGZARI Hydal Power Plant on 01-11-2014. Dr. G.D. Kamalpur and Prof. Nandakumar C. accompanied a total of 38 students.