


FACULTY PROFILE

Name	:	Dr. Basanagouda Ronad	
Designation	:	Asst. Professor	
Department	:	Electrical and Electronics Engineering	
Employee ID	:	TEE018	
E mail ID (College official ID), (Personal mail ID)	:	bfree@becbgk.edu basugouda.ronad@gmail.com	
Contact details	:	Appaji Nivas, Sulibhavi Colony 22nd Cross, Plot No.40-41 Vijaya Nagar, Vidyagiri Bagalkot-587102, 9449760427	
Orcid ID	:	0000-0001-8952-0800	
Scopus ID	:	55786832800	
Vidwan ID	:	124981	
Web of Science ID	:	AAH-7189-2021	
Google Scholar ID	:	1bk7uEAAAAAJ	
Qualification	:	B.E., M.Tech., Ph.D	
Professional Experience	:	13	
Teaching experience	:	--	
Industry experience	:	--	
Administrative Responsibilities	:	<ul style="list-style-type: none"> • <i>Placement Coordinator- BEC EEED (2021 – till date)</i> • <i>Coordinator – BEC EEED Research Centre (21019 - till date)</i> • <i>Advisor- IEEE PES SC, BEC Bagalkot (2017-2021)</i> • <i>Member-Academic Council, BEC Bagalkot (2019-2022)</i> • <i>Member-Board of Studies, Dept. of E&EE, BEC Bagalkot (2017-2019, 2021 - till date)</i> • <i>Coordinator- Board of Examinations (2018-2021)</i> 	

Teaching	:	
No. of Projects Guided		
UG	:	17
PG	:	18
Research		--
Interest Area	:	<i>SPV Powered Irrigation Systems</i>
No. of Research Scholars Pursuing		
Awarded	:	01
	:	--
Patents	:	
Research Grants	:	<ol style="list-style-type: none"> 1. Rs.7,000.00, from KSCST-Karnataka State Council for Science and Technology, "Design and Development of DC-DC Converter Employed for DC Distribution System for Domestic and Commercial Loads" Ltr.No. 7.1.01/SPP/10, dated 20.04.2021. 2. Rs.3,00,000, from VGST, Dept. IT, BT, Science & Technology, Government of Karnataka, under the scheme Research Grants for scientists/Faculty (RGS/F) scheme for FY 2019-20 for the Project titled "SPV based Outdoor Shelter for Street Vendors- Design, Implementation, Testing and Demonstration of Commercial Applications with SPV Powered DC Distribution", Ltr.No. VGST/RGS-F/GRD-903/2019-20/2020-21/198, Dated. 10.11.2020 3. Rs.7,000.00, from KSCST-Karnataka State Council for Science and Technology, "Smart Sprayer for Horticulture Crops - An Approach Towards Systematic and Targeted Sprayer" Ltr.No. 7.1.01/SPP/08, dated 28.03.2018. 4. Rs.1,75,000.00, from TEQIP-II, R&D Seed Money to procure "Performance Monitoring Unit for SPV Powered DC Irrigation Pumps", Ltr dated 27.02.2015, BEC/TEQIP-II/EEED.
Publications	:	
Books/Chapters		<ol style="list-style-type: none"> 1. Basanagouda F Ronad, "Design, Simulation and Development of DC-DC Converter for SPV Powered DC Distribution System in Domestic Loads", Proceedings of Third International Conference on Communication, Computing and Electronics Systems, Lecture Notes in Electrical Engineering- volume 844, Springer Publishers - Singapore, ISSN 1876-1100, 1st Edition, Feb 2022. https://doi.org/10.1007/978-981-16-8862-1_51 2. Basanagouda F Ronad, Suresh H Jangamshetti, "Optimum Sizing of SPV Irrigation Systems based on Field Conditions", LAP LAMBERT Academic Publishing, (ISBN 978-3-659-76258-1), August 2018. https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-76258-1/

Journals	<p>:</p> <ol style="list-style-type: none"> 1. G Pooja, Manjula Gaddi, Rakesh, Sachin Karant, Basanagouda F. Ronad, “Development of Android Application for Optimization of Irrigation System Capacity”, Turkish Online Journal of Qualitative Inquiry (TOJQI), ISSN: 1309-6591, Volume 12, Issue 7, July 2021, pp.- 1034 – 1039. www.tojq.net/index.php/journal/article/view/3824/2598 2. Joshi Sourabha, Basanagouda F. Ronad, Suresh H. Jangamshetti, “Mathematical Model for Performance Prediction of SPV Powered DC Irrigation System”, TEST Engineering and Management, ISSN: 0193 – 4120, January - February 2020, pp.- 9000 – 9006. www.testmagzine.biz/index.php/testmagzine/article/view/2261/2022 3. Basanagouda F Ronad, Suresh H Jangamshetti, “A Critical Approach for Energy Conservation in Irrigation Systems by Optimal Sizing of Pumps”, International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019, pp.-155-159. https://www.ijitee.org/wp-content/uploads/papers/v8i6s3/F10280486S319.pdf 4. Vani Nadoni, Basanagouda F Ronad, Suresh H Jangamshetti, “Critical Design of SPV AC Lighting Systems–A Case Study at Energy Park, BEC[A], BGK”, International Journal of Scientific & Engineering Research, ISSN 2229-5518, Vol 9, Issue 7, July 2018, pp.-2050-2052. https://www.ijser.org/researchpaper/Critical-Design-of-SPV-AC-Lighting-Systems-A-Case-Study-at-Energy-Park-BEC-A-BGK.pdf 5. Raichal Rani, Basanagouda F Ronad, Suresh H Jangamshetti, “Development and Testing of SPV Powered 1HP AC Water Pumping System”, International Journal of Scientific & Engineering Research, ISSN 2229-5518, Vol 9, Issue 7, July 2018, pp.-2045-2049. https://www.ijser.org/researchpaper/Development-and-Testing-of-SPV-Powered-1HP-AC-Water-Pumping-System.pdf 6. Basanagouda F Ronad, Suresh H Jangamshetti, “Optimum Sizing of SPV Powered DC Irrigation Pumps based on Field Conditions”, International Journal of Scientific and Engineering Research, ISSN- 2229-5518, Vol 7, Issue 10, October 2016, pp.- 1738-1742. https://www.ijser.org/researchpaper/Optimum-Sizing-of-SPV-Powered-DC-Irrigation-Pumps-based-on-Field-Conditions.pdf 7. Basanagouda F Ronad, Suresh H Jangamshetti, “Identification of Suitable Method for Crop Water Assessment by Estimating Evapotranspiration-A Case Study”, International Journal of Agriculture Sciences, ISSN: 0975-3710, Volume 8, Issue 48, Dec 2016, pp.-2020-2023. https://bioinfopublication.org/files/articles/8_48_7_IJAS.pdf 8. Girishkumar Malagond, Basanagouda F. Ronad, Suresh H. Jangamshetti, “Design and Development of Data Logger for
-----------------	---

	<p>Standalone SPV Systems”, International Journal of Emerging Technology and Advanced Engineering”, ISSN: 2250-2459, Volume 5, Issue 5, May 2015, pp-.162-166. https://ijetae.com/files/Volume5Issue5/IJETAE_0515_28.pdf</p> <p>9. Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Voltage Control and Stability Enhancement using UPFC”, International Conference on Renewable Energy and Power Quality-14, Renewable Energy & Power Quality Journal, ISSN: 2172-038X, No.12, April 2014, ISBN:978-84-616-8196-9, Spain, pp-.671-675. https://www.icrepq.com/icrepq'14/448.14-Vireshkumar.pdf</p> <p>10. Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Review on Comparison of FACTS Controllers for Power System Stability Enhancement”, International Journal of Scientific and Research Publications, ISSN:2250-3153, Volume 3, Issue3, March-2013, pp.-1-4. http://www.ijserp.org/research-paper-0313/ijserp-p15141.pdf</p> <p>11. Banakar Basavaraj, Ronad.B.F, Jangamshetti.S.H, “Transmission Loss Minimization using UPFC”, International Journal of Modern Engineering Research, ISSN: 2249-6645, Volume 2, Issue 5, Sep-Oct 2012, pp.-3602-3606. http://www.ijmer.com/papers/Vol2_Issue5/DB2536023606.pdf</p>
<p>Conferences</p>	<p>:</p> <p>1. Basanagouda F Ronad, “Optimal Sizing and Cost Analysis of Hybrid Electric Renewable Energy Systems using HOMER”, 5th International Conference on Intelligent Sustainable Systems (ICISS 2022), SCAD College of Engineering and Technology Tirunelveli, Tamilnadu, India during 17th-18th, February 2022.</p> <p>2. Aditya Bhuti, Jyoti K, Basanagouda F Ronad, “Development of Smart SPV Tracker-An Approach towards Self Governed Tracking Mechanism”, 5th IEEE International Conference on Electronics, Communication and Aerospace Technology - ICECA 2021, RVS Technical Campus, Coimbatore, 2nd-4th, December 2021. https://ieeexplore.ieee.org/document/9676000</p> <p>3. Basanagouda F Ronad, “Design, Simulation and Development of DC-DC Converter for SPV Powered DC Distribution System in Domestic Loads”, 3rd International conference on Communication, Computing and Electronics Systems (ICCCES 2021), PPG Institute of Technology, Coimbatore, 28th-29th, October 2021. https://link.springer.com/chapter/10.1007/978-981-16-8862-1_51</p> <p>4. Jyothi Kumbar, Neelaganga Goudar, Sahana Bhavi, Basanagouda F Ronad, “Optimization of Hybrid Renewable Electric Energy System Components for Covid Hospitals”, IEEE Mysore Sub Section International Conference (MysuruCon-2021), NAVKIS College of Engg., Hassan, India, 24th –25th October 2021.</p>

	<p>https://ieeexplore.ieee.org/document/9641633</p> <ol style="list-style-type: none"> 5. Basanagouda F Ronad, Santosh B Kumbalavati “Performance Assessment of SPV Powered DC Irrigation Pumps with Solar Tracking Mechanism”, IEEE International Conference on Energy, Power and Environment (Towards Clean Energy Technologies), ISBN:978-1-6654-2536-0, National Institute of Technology Meghalaya, Shillong, India, 5th – 7th March, 2021. https://ieeexplore.ieee.org/abstract/document/9404406 6. G Pooja, Manjula Gaddi, Rakesh, Sachin Karant, Basanagouda F. Ronad, “Development of Android Application for Optimization of Irrigation System Capacity”, Second International Conference on “Research and Innovations in Science, Engineering & Technology” ICRISSET-2020, BVM EC Gujarat, 4th-5th September 2020. 7. Basanagouda F Ronad, Suresh H Jangamshetti, “A Critical Approach for Energy Conservation in Irrigation Systems by Optimal Sizing of Pumps”, International Conference on Renewable Energy and Sustainability (ICRES-19), ISBN: 978-81-940803-3-6, IFERP, Vizag, 5th-6th April 2019, pp.-7-12. 8. Ambika Jotagonda, Basanagouda F Ronad, Suresh H Jangamshetti, “Optimal Sizing of Hybrid Electric Renewable Energy Systems using HOMER-Pro”, IEEE Third International Conference on Electrical, Electronics, Communication, Computers and Optimization Techniques (ICEECCOT-2018), ISBN: 978-1-5386-5130-8, GSSS Institute of Engineering and Technology for Women, Mysore, India, 14-15 December 2018, pp.-561-565 9. Maruti Naik, Basanagouda F Ronad, Suresh H Jangamshetti, “Performance Analysis of Directly Coupled Solar Photovoltaic Powered Irrigation Pumps”, IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 July 2018. https://ieeexplore.ieee.org/document/9009384 10. Shivaleela Konnur, Basanagouda F Ronad, Suresh H Jangamshetti, “Design and Implementation of the MPPT for 1 HP SPV Powered DC Irrigation Pump”, IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 July 2018. https://ieeexplore.ieee.org/document/9009384 11. Vidyashree Hulyal, Basanagouda F Ronad, Suresh H Jangamshetti, “An Effective Simulation Model for Performance Prediction of SPV Powered DC Irrigation Systems-A Case Study for Validation”, ISBN:978-1-5386-3242-0, IEEE International Conference on Current Trends in Computer,
--	---

	<p>Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 Sept. 2017 at Mysuru, India, pp.-378-382. https://ieeexplore.ieee.org/document/8455171</p> <p>12. Vaishali Biradar, Basanagouda F Ronad, Suresh H Jangamshetti, “Development, Testing and Performance Analysis of SPV Powered 0.5HP AC Water Pumping System”, ISBN:978-1-5386-3242-0, IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 September 2017 at Mysuru, India, pp.-353-357. https://ieeexplore.ieee.org/document/8454991</p> <p>13. Basanagouda F Ronad, Suresh H Jangamshetti, “Optimal Cost analysis of Wind-Solar Hybrid System Powered AC and DC Irrigation Pumps using HOMER”, 4th International Conference on Renewable Energy Research & Applications, ISBN:978-1-4799-9982-8, 22-25 November 2015 at Palermo, Italy, pp.-1038-1042. https://ieeexplore.ieee.org/document/7418568</p> <p>14. Basanagouda F Ronad, Suresh H. Jangamshetti, “A Novel Method to Determine Optimum Hp Rating of Irrigation Pump based on Water Requirement of Crops”, IASTED’s, International Conference on Power and Energy Systems, AsiaPES-2013, ISBN: 978-0-88986-959-2, Phuket, Thailand, April 10-13, 2013, pp.-320-325. https://www.actapress.com/PaperInfo.aspx?paperId=455605</p> <p>15. Ronad B. F, Naik R. L, Jangamshetti S.H, “A Novel Method to Eliminate Negative Time Period of SVPWM using DSP TMS320F2812”, EA4EPQ’s International Conference on Renewable Energy and Power Quality, ISBN:978-84-614-7527-8, 13-15 April 2011, Spain, pp.-911-916. https://www.icrepq.com/icrepq'11/494-ronad.pdf</p>
<p>Invited Talks</p>	<p>:</p> <ol style="list-style-type: none"> 1. Presented Webinar on “Energy Conservation in Irrigation Systems” as a part of Alumni Webinar Series on 14th May 2022 at 6.00 PM organized by IEEE PES Students Chapter, BEC Bagalkot 2. Technical talk on “Solar PV Irrigation and Water Conservation” on 20th January 2022 at 3.00 pm to 4.30 pm, organized by KREDL and ICAR Agri. Centre Bagalkot, at BEC Bagalkot. 3. Invited Webinar on “Energy Conservation in Irrigation Systems” on 26th June 2020 at 11.00 am to 12.30 Noon, organized by Angadi Institute of Management and Technology, Belagavi. https://global.gotomeeting.com/join/546664901 4. Invited talk on “Energy Conservation in Irrigation Systems” on 19th Dec 2019, during 15 days AICTE Faculty Development Programme on Renewable Energy and its Role in Indian Power Sector, Dept. of Mechanical Engg. KLE CET Belagavi. 5. Invited talk on NBA SAR Preparation during 28th -29th March

	<p>2019, organized by Rajkiya Engineering College, Bijnor in association with NPIU under TEQIP-III</p> <ol style="list-style-type: none"> 6. Invited talk on “SPV based Irrigation Systems” on 27th April, 2018 during one day Technical Seminar on “Sustainable Energy Technologies for Future”, at SKSVMA College of Engg. and Technology, Laxmeshwar. 7. Invited talk on “Sustainable Energy Technologies for Irrigation Systems” on 16th April, 2018 during one day Technical Seminar on “Wind and SPV Systems-Sustainable Energy Technologies for Future”, at S.G. Balekundri Institute of Technology, Belagavi. 8. As Resource Person in two days workshop on “Outcome Based Education”, during 23rd-24th March 2018, organized by Rajkiya Engineering College, Bijnor in association with NPIU under TEQIP-III. 9. Invited talk on “Energy Conservation-Opportunities and Challenges in Irrigation Systems” on 19th March 2018 during one day workshop on “Wind and Solar PV Energy Systems-Sustainable Technologies of Future” at Guru Nanak Dev Engineering College, Bidar. 10. Invited talk on “Optimal Sizing of SPV Powered Irrigation Systems based on Field Conditions-A case study of Riverbed Pumpsets” on 1st December, 2017 during AICTE sponsored Two-weeks faculty development programme at BLDCET Vijayapura. 11. Invited talk on “SPV Systems and Energy Conservation” on 25th August 2016 during Five Day’s Workshop on “Non Conventional Energy Sources” organized by Department of Electrical & Electronics Engineering, SSIT Tumkur under TEQIP-II. 12. Invited talk on “Optimization of wind-solar hybrid system for optimized irrigation pumps” on 4th June, 2013 during AICTE sponsored Two-weeks faculty development programme on “Recent Trends in Renewable Energy Sources and Emerging Technologies”, at BVVS Polytechnic, Bagalkot. 13. As Resource Person in HRD Training Programme during 15th-16th September and 13th-14th October 2012, organized by Training and Placement Cell, BEC Bagalkot.
<p>Events Organized</p>	<p>:</p> <ol style="list-style-type: none"> 1. Industry Webinar on “Future Grid Technologies”, by Dr.Kannan Tinnium, Senior Vice President of Power Solutions Business - R&D, Luminous Power Technologies (P) Ltd, Bengaluru on 25th September 2021, IEEE NK Sub Section Event (MS Teams) 2. Electric Safety Awareness Webinar on “Electric Accidents and Investigation”, by Mr.Shivappa V. Sobarad, AE, O&M Sub Division, GESCOM Munirabad, koppal on 11th July 2020, through Google Meet. https://meet.google.com/tqj-wtgn-oon 3. International Webinar on “Multimedia – Embedded System’s

	<p>Perspective”, by Mr. Aditya Kulkarni, Embedded Software Engineer, QUALCOMM, San Diego, USA on 17th June 2020 through Google Meet. https://meet.google.com/ynv-tzgt-kiz</p> <ol style="list-style-type: none"> 4. One day technical seminar on “Recent Trends in Power Converters and Applications” by Mr. Rachappa. J. Nandge, Senior Design Engineer, ABB Global Industries and services Limited, Bangalore on 12th Oct 2019 in BEC Bagalkot under TEQIP –III. 5. One day technical seminar on “Operation of SPV Rooftop Power Plant installed in BEC” by Mr. Shashikumar Field Engineer, Ravindra Electric Company, Belagavi on 4th Sept 2019 at BEC Bagalkot. 6. Women in Power Engineering-WiPE 2019 on 24th August 2019 at BEC Bagalkot in association with IEEE PES Bangalore section. 7. “Project Exhibition and Poster Presentation” during celebration of second PES day on 25th April 2019 at Dept of E&EE, BEC Bagalkot. 8. One day technical seminar on “Operation and Maintenance of Solar Power”, by Mr. Husni Mubarak, Engineer, JUWI Renewables India Pvt Ltd., Gajendragad on 14th March 2019 at Gallery Hall, BEC. 9. One day international technical seminar on “Real Time Applications of Synchrophasors to Increase the Reliability of Electric Power Grid”, by Dr.Krish Narendra, COO and Technology Lead, Electric Power Group, Pasadena CA, USA, on 11th December 2018 at Seminar Hall, Dept. of E&EE. 10. Two days “IEEE PES Student Congress-2018”, during 2nd-3rd November 2018, at PG Block BEC Bagalkot in association with IEEE PES Bangalore section. 11. One day Seminar on “Recent Developments in Power Plant Technologies” by Mr. Rajshekhar M, Senior General Manger, Sembcorp Gayatri Power Limited, Ananthapuram Village, Varakavipudi Panchyat, TP Gudur Mandal, Nellore, Andhra Pradesh on 11th November 2017 under TEQIP-III, Industry Institute Interaction. 12. One day Seminar and plantation activity on “GO GREEN - Save the Earth, Start Planting”, on 24th March 2017 under IEEE PES Student branch, BEC Bagalkot. 13. One day Seminar on “VLSI: Design Verification - Opportunities and Challenges”, by Mr. Chris Maxwell, Design Manager, Senior Member of Technical Staff, Texas Instruments Inc., Dallas, Texas, USA on 17th Feb 2017 under TEQIP-II, Industry Institute Interaction. 14. Technical Event and Celebration of World Energy Conservation Day on 14th December 2016, at Seminar Hall, Dept of E&EE, BEC Bagalkot. 15. Technical talk and Inauguration of IEEE-Power and Energy Society Student Branch Chapter on 27th August 2016 by
--	---

	<p>Mr.Sethuraman Ganesan, Product manager, ABB Bengaluru and Chair, IEEE PES Bangalore Chapter.</p> <p>16. One day Seminar on “Design and Development aspects in Solar and Geothermal Power Stations” by Mr.Shivanand Mariguddi, Administration Manager, Emerson Industrial Automation, Sydney, AUSTRALIA on 16th April 2016 under TEQIP-II, Industry Institute Interaction.</p> <p>17. One day workshop on “Curriculum Development, Revision and Restructuring for PG-Power and Energy Systems” on 4th March 2013 under TEQIP-II.</p> <p>18. One week college level event titled “GREENATHON”, from 4th-9th March 2013 under EEE Association BEC (A), Bagalkot.</p>
<p>Conferences/ Symposiums/ Workshops/ Training Programs Attended</p>	<p>:</p> <ol style="list-style-type: none"> 1. 5th International Conference on Intelligent Sustainable Systems (ICISS 2022), SCAD College of Engineering and Technology Tirunelveli, Tamilnadu, India during 17th-18th, February 2022 2. 1st International Online Conference on Sustainable Development in Civil and Electrical Engineering (SDCEE-2021) during December 17th-19th December, 2021, jointly organized by the Departments of Civil Engineering and Electrical Engineering, National Institute of Technology Kurukshetra. 3. 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 6th - 10th December, 2021, F.No AICTE/FDP-SI/Online Workshop/201/106456 4. 5th International Conference on Electronics, Communication and Aerospace Technology - ICECA 2021, RVS Technical Campus, Coimbatore, 2nd-4th, December 2021. 5. AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Teaching Organizational Behavior for the Institutional Growth" at Basaveshwar Engineering College (Autonomous), Bagalkot during 8th-12th November 2021 (No: ATAL/2021/1635819096) 6. Springer 3rd International conference on Communication, Computing and Electronics Systems ICCCES 2021, organized by PPG Institute of Technology, Coimbatore, during 28th-29th October 2021 (Online) 7. IEEE Mysore Sub Section International Conference (MysuruCon-2021), NAVKIS College of Engg., Hassan, India, 24th – 25th October 2021 (Online) 8. Two-Week Faculty Development Program on Latex and Moodle Learning Management System (LMS) organized by Department of Electronics and Communication Engineering, Basaveshwar Engineering College (Autonomous), Bagalkot in association with IIT Bombay-Spoken Tutorial during 19th– 30th July 2021. 9. Faculty Development Programme (FDP) on “Interactive Approaches in Handling Renewable Energy Systems Laboratory for the New Normal” organized by Dept. of Electrical and

	<p>Electronics Engg., Sri Sivasubramaniya Nadar (SSN) College of Engineering (Autonomous), Kalavakkam -603110, during 29th June to July 2nd, 2021 (online)</p> <ol style="list-style-type: none"> 10. IEEE International Conference on Energy, Power and Environment (Towards Clean Energy Technologies), National Institute of Technology Meghalaya, Shillong, India, 5th – 7th March, 2021 (Online) 11. Webinar on “Role of Faculty in Implementation of NEP”, Organized by Bharatiya Shikshan Mandal and NITI AAYOG in collaboration with Basaveshwar Engineering College, Bagalkot held on 20th February, 2021 12. 2020 IEEE International Conference on Power System Technology, POWERCON 2020, during 14th -16th September 2020 organized by IEEE PES Bangalore Chapter 13. 5- Days online FDP on ‘Developments in Solar Energy Applications and Solar Tracking System’, University BDT College of Engineering, Davanagere and SDM Institute of Technology, Ujire during 27 - 31 July, 2020. 14. Two days E-workshop on “AICTE-Examination Reform Policy”, held during 29-30 April, 2020, organized by TEQIP-III, Basaveshwar Engineering College (Autonomous), Bagalkot. 15. Two Weeks online course on “Digital Transformation in Teaching Learning Process” conducted by SWAYAM-IIT Bombay during 14 Feb to 6 March 2020. 16. “Hands-on Training on Solar Study Lamp Assembly”, recognized under Skill Council for Green Jobs, conducted by IIT Bombay during 1st May to 31 Dec 2019. (GGSY) 17. IEEE International Conference on Electrical, Electronics, Communication, Computers and Optimization Techniques (ICEECCOT-2018), organized by GSSS Institute of Engineering and Technology for Women, Mysore, India, 14th-15th December 2018. 18. Course on “Systems Thinking and Applications” conducted by Prof. L.S. Ganesh, IIT Madras, Chennai from 12.10.2018 to 30.11.2018, at BEC Bagalkot. 19. Seminar/Project Exhibition of KSCST-Karnataka State Council for Science and Technology, held at Bapuji Institute of Engineering and Technology, Davanagere during 10th -11th August 2018. 20. One week Continuing Education and Quality Improvement Programme on End to End Innovation, organized and conducted by Tata Centre for Technology and Design, IIT Bombay during 19th -23rd February 2018 at IIT Bombay. 21. Two days workshop on Sensor Networks during 8th -9th January 2018, organized by BEC Bagalkot. 22. Three days Faculty Development Programme on Learning Outcomes and Course Outcomes organized and conducted by Teaching Learning Centre, IIT Madras during 6th -8th September 2017 at IIT Madras, Chennai.
--	--

	<ol style="list-style-type: none"> 23. Two days International Symposium on Green Technologies for Sustainable Development during 24th –25th February 2017, organized by BEC Bagalkot. 24. Three days faculty development programme on “Energy Efficiency and Management” during 17th -19th Feb 2017, organized by CE&QIP, IIT Bombay at BEC Bagalkot. 25. Two days workshop on “Energy Analytics for Smart Cities-Micro grid, Distributed Generation and Electric Vehicles”, during 23rd -24th September 2016, organized by IEEE PES Bangalore chapter at IISc Bangalore. 26. Young Researchers Meet, on 5th December 2015, organized by IEEE PES Chapter Bengaluru and BEC Bagalkot. 27. One day workshop on Outcome based Education, on 18th December 2015, organized by EEED, BEC Bagalkot. 28. Two days orientation programme on Entrepreneurship Development and Implementation of DEBM Programme, during 26th -27th August 2015, organized by BEC Bagalkot and Entrepreneurship Development Institute of India. 29. Two days National Symposium on Sustainable Energy Technologies for Academic Campuses, during 5th –6th June 2015, organized by EEED, BEC Bagalkot. 30. One day workshop on Procurement Practices, on 22nd August 2014, organized by PSG College of Technology, Coimbatore. 31. One day workshop on Environmental Management Frame work, on 21st August 2014, organized by Government college of Engineering, Coimbatore at The Hotel Residency, Coimbatore. 32. One day workshop on Real Time Electricals in Multi Storied Buildings, on 15th August 2014 jointly organized by EEED and IEEE student branch BEC Bagalkot. 33. One week short term course on Emerging R & D in Wind Energy Conversion-Present and Future Challenges, during 21st to 26th July 2014, organized by EEED, BEC Bagalkot. 34. One week training programme on Solar PV Grid Connected Power Plants, during 29th June – 4th July 2014, organized by National Training Centre For Solar Technology, Karnataka Power Corporation Limited, at DG Plant Premises, Yelahanka, Bangalore. 35. Three days International Conference at GREEN Summit 2014 during 5th -7th June 2014, organized by FKCCI at White Orchid Convention Centre, Banaglore. 36. Two days Indian Sustainability Congress–2014, during 4th-5th March 2014, organized by Energy Department, Government of Karnataka at The Atria Hotel, Palace Road, Bangalore. 37. Two days national workshop on Sustainable Innovation-An end to end Approach, during 29th -30th January 2014, organized by EEED, BEC Bagalkot. 38. Two days Intensive Hands-on workshop on MATLAB Programming for Electrical and Electronics Engineers, during 30th -31st December 2013, organized by EEED, BEC Bagalkot.
--	---

	<ol style="list-style-type: none"> 39. Two weeks Intensive Continuing Education Training Programme on Capacity Building towards Quality Teaching and Learning, 25th Nov 6th Dec 2013, conducted by Centre for Continuing Education, Indian Institute of Science, Bangalore. 40. One day workshop on New Initiatives in Department of Technical Education, on 26th October 2013, conducted by BEC, Bagalkot. 41. Three days 9th Karnataka Science Congress-Kannada Vijnana Sammelana, during 15th -17th September 2013, organized by University of Horticulture Sciences, Bagalkot. 42. One day training programme on PMSS Software, 2nd September 2013, organized by NMAM IT Nitte and SPFU Karnataka at NMAM IT, Nitte, Karkala. 43. Five days short term course on Smart Grid- Technology and Applications, during 29th July-2nd August 2013, organized by Central Power research Institute, Bangalore. 44. International conference on Power and Energy Systems, AsiaPES-13, during 10th-13th April 2013, organized by International Association for Science and Technology Development at Novotel Resort, Phuket, Thailand. 45. Two days Skill Development Workshop, during 3rd-4th August 2012, organized by Centre for Research in Social Sciences and Education (CERSSE), Jain University, Bangalore. 46. Two days Introductory course and workshop on PSCAD Power System Simulator, during 25th-26th July 2012, conducted by Nayak Power Systems at Hotel Goldfinch, Bangalore. 47. One week AICTE sponsored Staff Development Programme on Advances in Power Electronics for Renewable Energy Systems, during 20th-25th June 2011, organized by Department of E&EE, Lakireddy Balireddy College of Engineering, Mylavaram, Krishna, Aandra Pradesh. 48. Two days Faculty Development Programme on Effective Teaching Practices, during 29th-31st January 2010, organized by Basaveshwar Engineering College (Autonomous), Bagalkot. 49. Two days workshop on Awareness and Applications of Mipower Software, during 21st-22nd October 2010, jointly organized by PRDC Bangalore and Department of E&EE, Basaveshwar Engineering College, Bagalkot. 50. One day workshop on FPGA system Design using ALTERA tools, on 10th October 2009, conducted by department of E&EE, Basaveshwar Engineering College, Bagalkot.
Awards and Honors	: <ol style="list-style-type: none"> 1. Elevated to Senior Member of IEEE on 8th October 2020 2. Technical paper received first prize in Srishti-2018, Paper Presentation Competition, 22nd -24th May 2018 held at Dayanand Sagar College of Engineering, Bengaluru 3. Received “Young Achiever Award-2018” by Institute of Scholars, InSc on 20th March 2018.

	<p>4. Received the “Best Article Award” in 9th Karnataka Science Congress-Kannada Vijnana Sammelana, during 15th -17th September 2013, organized by University of Horticulture Sciences, Bagalkot.</p>
--	---