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Prof. Prashant Chinmaili
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Dr. Shashidhar S. M
Professor, Principal Proudhadevaraya Institute of Technology, Hosapete.
Dr. Ravikumar Bhimasingu
Associate Professor, Department of Electrical Engineering, Indian Institute of Technology (IIT), Hyderabad, India.
Dr. Ramesh L Chakrasali
Professor EEE Dept & Dean (Academic Program, Research & Development), SDM College of Engg & Technology, Dharwad.
Dr. G. H. Kulkarni
Professor & HOD, Dept of EEE, Jain Engineering College Belagavi
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Associate Professor (Prof-CAS), HoD Dept of EEE, Basaveshwar Engineering College, Bagalakote.
Dr. Sangamesh Sakri
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Professor Electrical Engineering Dept. K.K.Wagh Institute of Engineering Education & Research Nasik, Maharashtra.
Mr. Praveen Ambekar
CEO, CDSF Logic Aurangabad, Maharashtra.

Media Cell

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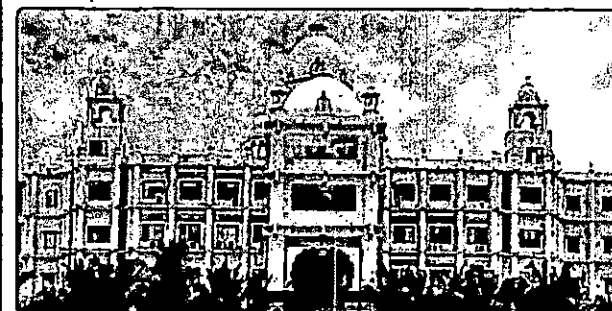


A THREE DAY NATIONAL CONFERENCE ON

**Recent Innovations In Electrical
and Electronics Engineering**

1st, 2nd and 3rd July 2022

Organized by
Department of Electrical and Electronics Engineering
Faculty of Engineering and Technology (Co-Ed)
Sharnbasva University
Sharnbasveshwar Institutions Campus,
Kalaburagi - 585103, Karnataka, India
In Association with IETE Sub-Centre, Kalaburagi
and ISTE Co-sponsored by IEEE Student Branch
Sharnbasva University, Kalaburagi



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ABOUT SAMSTANA

The sharanabasaveshwar samasthana has etched its name in the golden words in the annals of Karnataka by playing a pivotal role protecting Kannada from the onslaught of other languages and opening new vistas of educational opportunities to the people of this once educationally backward Kalyana Karnataka region. Sharanabasaveshwar samasthana an embodiment of compassion and love. Established in the 18th century, the sharanabasaveshwar samasthana has a rich culture heritage and was primarily responsible for setting the tone for the culture of dasoha (Giving or Satisfying the Needs of Needy). The samasthana which began its selfless service by providing the needy millions free food during the worst ever famine in the year of its establishment expanded its horizons of activities by quenching the thirst of the knowledge to the billions of the deprived sections of the society.

The name of the samasthana derives from the mystic saint par excellence mahadasohi sharanabasaveshwar, who with his selfless service to the people in need has been recognized by the devotees as a great humanitarian and was embodiment of dasoha culture.

The sharanabasaveshwar vidya vardhaka sangha and the shambasva university is built and operate on the basic tenets of dasoha culture.

"The principles of Shambasveshwar on which the institutions are built and operated is: "No religion is greater than service and service to mankind is service to God". It's a beautiful thing. You serve human beings. You are serving God. It is very inspiring indeed". Were The immortal words of praise by former president late Dr. A. P. J. Abdul Kalam during his visit to samasthan.

ABOUT UNIVERSITY

Shambasva University is the first private university in the entire North Karnataka and uniqueness of the university was the adoption of multi disciplinary approach providing avenues for the students to pursue the courses of their choice professed in the National Education Policy (NEP). The university had adopted this multi disciplinary approach well before the NEP came into force. Another feature of the university was its stress on research activities and extending quality education at affordable cost, which was the benchmark of the university. The university has set itself on the path of emerging one of the centre of excellence and a world class university, which is the dream of our esteemed Chancellor and Visionary Educationist Vidya Bhandari Poofya Dr. Shambaswappa Appa. The Shambasva University functions under the Shambasveshwar Vidya Vardhak Sangha, which has the proud legacy of providing quality education to the deprived sections of the people in the educationally backward Kalyana Karnataka region for the past more than 100 years.

ABOUT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering (EEE) deals with requirement of development and advancement of electricity through conventional and nonconventional means, with the wide scope and opportunities in the electrical and electronics based industries. For imparting quality education and training required for the industry and society as a whole, Shambasva University Kalburgi has started undergraduate program in EEE department with the approval of AICTE in the year of 2018. It has well equipped laboratory having state of the art equipment to fulfill the need of the hour learning under the guidance of qualified and experienced staff. The graduating students are trained to face the challenges of the job market and entrepreneurial skills along with their academic activities.

ABOUT CONFERENCE

A National Conference on Recent Innovations In Electrical and Electronics Engineering is a non-profit conference and it will provide an opportunity to the practicing engineers, academicians and researchers to meet in a forum to discuss various issues and its future direction in the field of Electrical & Electronics Engineering and Technologies. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

Paper Submission

Prospective Authors are encouraged to submit high quality original & previously unpublished research papers for presentation at the conference. Soft copy of the paper with authors details can be submitted to confet@shambasvauniversity.edu.in. Presented and selected papers will be published in the Journal Xi'an University of Architecture and Technology ISSN No. : 1006-7930, Scopus Indexed and UGC care listed and other reputed journals. For paper template refer the link : <http://www.shambasvauniversity.edu.in/conference/index.html>

Conference Topics(Included but not limited to)

1. Electric vehicles
2. Smart Grid
3. Power electronics
4. Distributed power Generation
5. Electric Drives & control system.
6. Power system
7. Renewable energy resources
8. Micro-Grid

IMPORTANT DATES

Full length paper Submission last date : 30/05/2022

If your paper is accepted as per the guidelines of prescribed journal, it will be communicated on or before 10-06-2022.

WHO CAN ATTEND

UG/PG Students, Research Scholars, Faculty Members, Persons from Industry.

Registration Committee :

Prof. Sushma Pujari

Asst. Professor Dept of EEE, FET (Co.ed) Shambasva University, Kib

Prof. Jyoti Harsoor

Asst. Professor Dept of EEE, FET (Co.ed) Shambasva University, Kalburgi

REGISTRATION FEES :

| Sl. No. | Delegate Fees | Rupees | Best Paper, Poster presentation will be Awarded |
|---------|--|--------|---|
| 1. | UG/PG Students | 200 | |
| 2. | Academicians, Research Scholars & Others | 500 | Best Thesis, Patent Published will be Awarded |

Registration Kit: Conference Proceedings, Registration Kit & Working Lunch.

Note: Participants are requested to mention payment details in registration form and also submit hard copy.

Payment Details:

A/c Holder Name: FO Conference SUK

Bank Name: Union Bank of India

A/c No.: 209321010000025, IFSC: UBIN0920932

Note: Participants are requested to register using the link

Registration Link : <https://forms.gle/yvu7FzNyhpkzt5fj6>

For More Details Contact

| | | |
|----------------------|-----------------------|-----------------|
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| Dr. Ravindrakumar N | Professor, EEE Dept. | (Ph.8806660258) |
| Prof. Satishkumar P | Asst. Prof. EEE Dept. | (Ph.9986159506) |
| Prof. Prashant C | Asst. Prof. EEE Dept. | (Ph.7795833381) |
| Prof. Sanjukumar | Asst. Prof. EEE Dept. | (Ph.9844867397) |

Registration Form

First Name:

Middle Name:

Last Name:

Designation:

Student: Yes/No

Research Scholar: Yes/No

Faculty: Yes/No

Industry: Yes/No

Department:

Institution:

Address:

Area of Interest:

Mobile No.:

Email Id:

Amount:

UTR No.:

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Centenary Celebrated Shambasveshwar Vidya Vardhak Sangha's

Estd. 2017
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Poojya Dr. Shambasveshwar Appa
Bachchanath Prathisthan
Shambasveshwar Vidya Vardhak Sangha
Channarayana, Bangalore



Poojya Mahesh Swamiji
Channarayana Prathisthan
Shambasveshwar Vidya Vardhak Sangha
Channarayana, Bangalore



Poojya Channarayana Swamiji
Channarayana Prathisthan
Shambasveshwar Vidya Vardhak Sangha
Channarayana, Bangalore

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Sharnbasva



ವಿಶ್ವವಿದ್ಯಾಲಯ
University



Poojya Basant Godhal Appa
Channarayana Prathisthan
Shambasveshwar Vidya Vardhak Sangha
Channarayana, Bangalore



Poojya Doddappa Appa
Channarayana Prathisthan
Shambasveshwar Vidya Vardhak Sangha
Channarayana, Bangalore

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UGC Status: Letter No. F.8-29/2017(CPP-I/PU), Dated 20 Dec. 2017. Enlisted by the University Grants Commission, New Delhi, in the list of Private Universities in India.
A Private University enacted by Govt. of Karnataka as "Sharnbasva University Act. 2012" Karnataka Act No. 17 of 2013. Notification No. ED 144 URC 2016 dated 29/07/2017

FACULTY OF ENGINEERING AND TECHNOLOGY (CO-ED)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SCHEDULE OF THREE DAY NATIONAL CONFERENCE ON "RECENT INNOVATION IN ELECTRICAL AND ELECTRONICS ENGINEERING"

| DAY 1st:01-07-2022 | | | DAY 2nd:02-07-2022 | | | DAY 3rd :03-07-2022 | | |
|--------------------|----------------------|---|--------------------|----------------------|--|---------------------|----------------------|---|
| Sl. NO | Time | Event | Sl.NO. | Time | Event | Sl. NO. | Time | Event |
| 1 | 9:30 AM to 11:00 AM | Session - I Dr. Suresh H. Jangamashetti Associate Professor, HOD Dept of EEE, Basaveshwar Engineering College Bagalakote. Topic: Solar PV system design for EV Chair: Dr. M. Shasikala | 1 | 9:30 AM to 11:00 AM | Session -IV Dr. Ramesh L. Chakrasali Professor, EEE Dept & Dean, SDM CET, Dharwad. Topic: Smart grid Chair: Dr. Nagabhushan | 1 | 9:30 AM to 11:00 AM | Session -VIII Dr. Ravikumar Bhimasingu Associate Professor, Department of Electrical Engineering, IIT, Hyderabad. Topic: AI techniques, applications for power systems security improvement Chair: Mr. M. Shasikala |
| 2 | 11:00 AM to 11:30 AM | Breakfast | 2 | 11:00 AM to 11:30 AM | Breakfast | 2 | 11:00 AM to 11:30 AM | Breakfast |

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|---|---------------------|---|---|---------------------|---|---|---------------------|--|
| 3 | 11:30 AM to 1:00 PM | Inauguration | 3 | 11:30 AM to 1:00 PM | Session –V Prof. Vireshkumar Mathad, Asst. Prof. Santa Gajanan Maharaj College of Engg., Mahagaon. Topic: FACTS in SMART power Systems Chair: Dr. Ramesh L. Chakrasali | 3 | 11:30 AM to 1:00 PM | Session –IX Mr. Pavan Kumar. Architect in Electronic control Units Robert Bosch Engg Bangalore. Topic: Power Electronics Applications in Automobile Inds. Chair: Dr. Ravikumar Bhimasingu |
| 4 | 1:00 PM to 1:45 PM | Lunch | 4 | 1:00 PM to 1:45 PM | Lunch | 4 | 1:00 PM to 1:45 PM | Lunch |
| 5 | 1:45 PM to 3:15 PM | Session – II, Dr. G. H. Kulkarni Professor & HOD, Dept of EEE, Jain Engineering College, Belagavi. Topic: Emprise for sustainability and power quality Chair: Dr. M. S. Aspalii | 5 | 1:45 PM to 3:15 PM | Session – VI Paper Presentation Chair: Dr. Sangamesh Sakri and Dr. M. Shasikala | 5 | 1:45 PM to 3:15 PM | Session –X Mr. Praveen Ambekar CEO, CDSP Logic Aurangabad, Maharashtra. Topic: Converter and its design for EVs Chair: Mr. Pavan Kumar |
| 6 | 3:15 PM to 3:45 PM | Break | 6 | 3:15 PM to 3:45 PM | Break | 6 | 3:15 PM to 3:45 PM | Break |
| 7 | 3:45 PM to 5:15 PM | Session – III Dr. M. S. Aspalii Professor, PG Co-ordinator, EEE Dept. PDACE, Kalaburagi. Topic: Importance of power quality in the present scenario Chair: Dr. Nagabhushan | 7 | 3:45 PM to 5:15 PM | Session – VII Dr. Sangamesh Sakri Professor & HOD Dept of EEE, PDAEC Kalaburagi. Topic: Recent innovation in EVs Chair: Dr. M. Shasikala | 7 | 3:45 PM to 5:15 PM | Valedictory Function |

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Estd. 2017
ಇಸ್ರೇಲಿ : ೨೦೧೭



Prof. Dr. Sharnbasveshwar Appa
Sharnbasveshwar Appa
President, Sharnbasveshwar Vidya Vardhak Sangha
Founder, Sharnbasva University



Prof. Dr. Subhash S. Appa
Vice-Chancellor
Sharnbasveshwar Vidya Vardhak Sangha
Member of UGC, Sharnbasva University



Prof. Dr. Subhash S. Appa
Vice-Chancellor
Sharnbasveshwar Vidya Vardhak Sangha
Member of UGC, Sharnbasva University

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University



Prof. Dr. Subhash S. Appa
Vice-Chancellor



Prof. Dr. Subhash S. Appa
Vice-Chancellor
Sharnbasveshwar Vidya Vardhak Sangha

Kalaburagi - 585103, Karnataka - India
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A Report

National Conference

on

'Recent innovation in Electrical and Electronics Engineering'2022

A National Conference on Recent Innovations In Electrical and Electronics Engineering was a non-profit conference, organized by department of Electrical and Electronics Engineering of FET(Co-Ed) to provide an opportunity to the practicing engineers, academicians and researchers and UG students to meet in a forum to discuss various issues and its future direction in the field of Electrical, & Electronics Engineering and Technologies, the Conference helped to create an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

To achieve this objective papers were called from prospective authors in the relevant fields and to give the incite of the recent developments in the field, experts are called as Key note speakers. Total ten session were organized during this three days out of which nine session were dedicated to Key note address on various topics true to the title of the conference.

Day one i.e 01/07/2022, at 9.30 AM Inauguration ceremony of conference was held in the presence of DR. M. Saisikala Principal of Godutai Engineering College (Exclusively for women), Dr. M. Aspalli, from PDA Engineering College and inaugurated by Dr. Suresh H. Jangamashetti,.

After the inauguration ceremony, the first session was on the Topic: Solar PV system design for EV , in this session Dr. Suresh H. Jangamashetti, of Basaveshwar Engineering College Bagalakote was the speaker, Sir has given the design consideration and methods to be followed for the PV based systems.

The second session was centralized Inauguration of National Conference on 'Recent Innovations in Multidisciplinary Research' at Doddappa Appa Sabha graham Mantapa at 11.30 AM,

At 1.45PM the Third session was of Dr. G. H. Kulkarni, Professor of Jain Engineering College, Belagavi, Given a talk on the topic of Emprise for sustainability and power quality, Sir has shown various opportunities for research in power sustainability and its quality.

The last session of the day was on the topic of 'Importance of power quality in the present scenario' was delivered by Dr. M Aspalli from PDA College of Engineering focusing on power quality and importance.

Session –IV, of the day 2 i.e on 02/07/2022 at 9.30 AM was begin with discussion on : Smart grid by Dr. Ramesh L. Chakrasali, of SDMCET, Dharwad, the talk gave basic technology used for SMART grid to establish and area of research in this field.

Vth Session was delivered by Prof. Vireshkumar Mathad, of Santa Gajanan Maharaj College of Engg., Mahagaon, his talk was on FACTS (Flexible Alternating Current Transmission System) in SMART power Systems .

Session VI was exclusively for paper presentation from the delegates and research scholars we received papers different parts of Karnataka and other states of India. These papers were presented in offline as well as online mode. Our session chairs Dr. Dr. Sangamesh Sakri and Dr. M Sasikala short listed best three papers.

Session VII was the last event of the day 2, on 'Recent innovation in EVs' by Dr. Sangamesh Sakri, from PDAEC Kalaburagi.

The day 3 began with lecture on 'AI techniques, applications for power systems security improvement', by Dr. Ravikumar Bhimasingu, IIT Hyderabad, which was Session VIII, in his talk Sir, discussed about algorithms used to secure the power systems using artificial neural network

Session IX was on 'Power Electronics Applications in Automobile Inds.' by Mr. Pavan Kumar,an Architect in Electronic control Units of Robert Bosch Engg Bangalore, which help to know the use of power electronics in Automobile inds.

The Session X was webinar on 'Converter and its design for EVs' by Mr. Praveen Ambekar CEO, CDSP Logic Aurangabad, Maharashtra, discussed about design of converters for EV systems and their practical problems.

Overall we tried to cover all fields related to title by calling experts from Industries and academics.

The conference was concluded by Valedictory function. Dr. M Sasikala, Principal, Godutai Engineering College was the chief guest and Dr. Ravikumar Bhimasingu, IIT, a Hyderabad as Guest of Honor. The program began with welcome song, followed by Prof. Jagadish Patil, Convener and Chairperson of EEE dept, welcomed all the guest given the threedays summary of the event. Certificates were distributed for all the participants, Volunteers, Best paper and Best Thesis. Both the guest inspired the participants with their speeches. With the vote of thanks from co-convener of the event Prof. Prashant Chinmalli the conference was concluded.

| | | |
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| <p>Chief Patrons Prof. Dr. Shambaswappa Appa Vice-Chancellor, Shambaswappa University, Kalaburagi. Prof. Dr. Shambaswappa V. Vaidik Sanga Chancellor, Shambaswappa University, Kalaburagi. Prof. Dr. D. D. S. Appa Chairman, Shambaswappa V. Vaidik Sanga, Kalaburagi. Prof. Dr. Chitambar Daddappa Appa 9th Mahatma Prasthiti, Shambaswappa University, Kalaburagi.</p> <p>Patrons Dr. N. N. N. N. Vice-Chancellor, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Secretary, SVV Sanga, Kalaburagi.</p> <p>Steering Committee Dr. N. N. N. N. Vice-Chancellor, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. P. Vice-Chancellor, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. P. Vice-Chancellor, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Registrar, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Registrar (Evaluation), Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Dean, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Finance Officer, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Dean, FET (Co-Education), Shambaswappa University, Kalaburagi.</p> <p>Advisory Committee Dr. V. D. D. D. P. Vice-Chancellor, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Registrar, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Principal, CECW, Kalaburagi. Dr. N. N. N. N. Registrar (Evaluation), Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Dean, Faculty of Engg & Tech (Co-Ed), Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Professor, Dept of EEE, Co-Ed, Shambaswappa University, Kalaburagi. Dr. N. N. N. N. Professor & HOD, Dept of EEE, PACE, Kalaburagi. Dr. N. N. N. N. Professor, PG Coordinator, Dept of EEE, PACE, Kalaburagi. Dr. N. N. N. N. Assoc. Professor at HOD Dept of EEE, Basavanna Engineering College, Bagalkote. Dr. N. N. N. N. Professor, HOD Dept of EEE, SMT College of Engg & Technology, Dharwad. Dr. N. N. N. N. Professor, HOD Dept of EEE, GNDEC, Bidar. Dr. N. N. N. N. Assoc. Professor, HOD Dept of EEE, V.P. Dr. P.G. Halkazi College of Engg, Bidar. Dr. N. N. N. N. Assistant Professor & HOD of Electrical Engineering national Institute of Technology (NIT) Andhra Pradesh.</p> | <p>Convener Prof. Jagadish Patil Chairman Dept of EEE/FET (Co-Ed), Shambaswappa University</p> <p>Co-Convener Prof. Dr. Shambaswappa Patil Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Prashant Chinmalli Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi</p> <p>Resource Persons Dr. Shambaswappa S. H. Professor, Principal, Poodhadi Institute of Technology, Hospate. Dr. Ravikumar Bhimasingu Associate Professor, Department of Electrical Engineering, Indian Institute of Technology (IIT), Hyderabad, India. Dr. Ramachandra L. Chakraborty Professor EEE, Dept. & Dean (Academic Program, Research & Development), SMT College of Engg & Technology, Dharwad. Dr. G. H. Kulkarni Professor & HOD, Dept of EEE, Jala Engineering College, Belagavi Dr. Suresh H. Jangamshetti Associate Professor (Prof. CAS), HOD Dept of EEE, Basavanna Engineering College, Bagalkote. Dr. Sampath Kumar Professor & HOD Dept of EEE, PACE, Kalaburagi Dr. M. S. Asappa Professor, PG Coordinator (Power Electronics), EEE dept PACE KCB Dr. Ravindra Wankar Professor Electrical Engineering Dept., K.K. Wagh Institute of Engineering Education & Research Nashik, Maharashtra. Mr. Prashant Anburkar CEO, CDSP Logic Aurangabad, Maharashtra.</p> <p>Media Cell Sri. T. V. Shivanandani Dean, JMC, Shambaswappa University, Kalaburagi</p> <p>Organizing Committee Prof. Shambaswappa Patil Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Anurag Patil Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Soumya H. Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Sheela Lakshmi Lippin Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Sushanta Patil Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Shivalinga Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Jyoti Hanuman Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi Prof. Anurag Asst. Professor Dept of EEE/FET (Co-Ed) Shambaswappa University, Kalaburagi</p> | <p>A THREE DAY NATIONAL CONFERENCE ON Recent Innovations In Electrical and Electronics Engineering 1st, 2nd and 3rd July 2022 Organized by Department of Electrical and Electronics Engineering Faculty of Engineering and Technology (Co-Ed) Shambaswappa University Shambaswappa Institutions Campus, Kalaburagi - 585103, Karnataka, India In Association with IETE Sub-Centre, Kalaburagi and ISTE Co-sponsored by IEEE Student Branch Shambaswappa University, Kalaburagi</p> <p>Phone/Fax No.: 08472-277852, 277853, 277854 Website : www.shambaswappauniversity.edu.in E-mail : confet@shambaswappauniversity.edu.in</p> |
|---|--|---|

ABOUT SAMSTANA

The Samstana village, Samstana has etched its name in the golden words in the annals of Karnataka by playing a pivotal role protecting Samstana from the onslaught of other languages and creating new vistas of educational opportunities to the people of this erstwhile princely kingdom. Karnataka Samstana region. Samstana village Samstana is an embodiment of compassion and love. Established in the 18th century, the Samstana village Samstana has a rich culture heritage and was primarily responsible for setting the tone for the culture of Samstana (Giving or Satisfying the Needs of Needs). The Samstana which began its service by providing the needy millers free food during the winter famine is the year of its establishment: expanded its horizons of activities by opening the doors of the knowledge to the masses of the deprived section of the society.

The name of the Samstana derives from the mythic story par excellence Mahabharata Samstana village, who with his selfless service to the people in need has been recognized by the devotees as a great humanitarian and was considered as the deity of the Samstana culture.

The Samstana village village village village and the Samstana university is built and operate on the basic tenets of Samstana culture.

"The principles of Samstana village on which the institutions are built and operate is 'No religion is greater than service and service to mankind is service to God'. It's a beautiful thing. You serve human beings. You are serving God. It is very beautiful indeed". Were the immortal words of peace by former president Late Dr. A. P. J. Abdul Kalam during his visit to Samstana.

ABOUT UNIVERSITY

Samstana University is the first private university in the entire North Karnataka and uniqueness of the university was the adoption of multidisciplinary approach providing avenues for the students to pursue the courses of their choice professed in the National Education Policy (NEP). The university had adopted this multi disciplinary approach well before the NEP came into force. Another feature of the university was to stress on research activities and extending quality education at affordable cost, which was the hallmark of the university. The university has set itself on the path of creating one of the centers of excellence and a world class university, which is the dream of our esteemed Chancellor and Vice-Chancellor: Vice-Chancellor Prof. Dr. Samstana village. The Samstana University functions under the Samstana village Village Yashwantrao Chavan, which has the proud legacy of providing quality education to the deprived sections of the people in the educationally backward Karnataka region for the past more than 100 years.

ABOUT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering (EEE) deals with requirement of development and advancement of electricity through conventional and nonconventional means, with the wide scope and opportunities in the electrical and electronics based industries. For imparting quality education and training required for the industry and society as a whole, Samstana University Kollur has started undergraduate program in EEE department with the approval of AICTE in the year of 2016. It has well equipped laboratory having state of the art equipment to fulfill the need of the hour learning under the guidance of qualified and experienced staff. The graduating students are trained to face the challenges of the job market and entrepreneurial skills along with their academic activities.

ABOUT CONFERENCE

A National Conference on Recent Innovations in Electrical and Electronics Engineering is a non-profit conference and it will provide an opportunity to the practicing engineers, academicians and researchers to meet in a forum to discuss various issues and its future direction in the field of Electrical & Electronics Engineering and Technology. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the modernized fields.

Paper Submission

Prospective Authors are encouraged to submit high quality original or previously unpublished research papers for presentation at the conference. Soft copy of the paper with authors details can be submitted to conf@samstanauniversity.edu.in. Presented and selected papers will be published in the journal of Samstana University of Architecture and Technology ISSN No. : 0006-7930, Scopus Indexed and UGC care listed and other reputed journals. For paper template refer the link <http://www.samstanauniversity.edu.in/conference/index.html>

Conference Topics(Included but not limited to)

1. Electric vehicles
2. Smart Grid
3. Power electronics
4. Distributed power Generation
5. Electric Drives & control system.
6. Power system
7. Renewable energy resources
8. Micro-Grid

IMPORTANT DATES

Full length paper Submission last date : 30/05/2022

If your paper is accepted as per the guidelines of prescribed journal, it will be communicated on or before 10-06-2022.

WHO CAN ATTEND

UG/PG Students, Research Scholars, Faculty Members, Persons from Industry.

Registration Committee :

Prof. Sushma Pujari

Asst. Professor Dept of EEE, FET (Co.ed) Samstana University, Kib

Prof. Jyoti Harsoor

Asst. Professor Dept of EEE, FET (Co.ed) Samstana University, Kollur

REGISTRATION FEES :

| Sl. No. | Category/Type | Amount | Notes |
|---------|---|--------|--|
| 1. | EEE PG Students, Assistant Professors, Research Scholars B. O'ers | 2000 | Best Paper/Poster presentation will be awarded |
| 2. | EEE PG Students, Research Scholars B. O'ers | 1000 | Best Thesis, Patent Published will be awarded |

Registration Kit: Conference Proceedings, Registration Kit & Working Lunch.

Note: Participants are requested to mention payment details in registration form and also submit hard copy.

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A/c Holder Name: FO Conference SUK

Bank Name: Union Bank of India

A/c No. : 20912101000025, IFSC: UBIIN0020932

Notes: Participants are requested to register using the link

Registration Link : <https://forms.gle/yru7Pehyapm85q6>

For More Details Contact

| | | |
|----------------------|-----------------------|-----------------|
| Prof. Jagadish Paul | Chairman, EEE Dept. | (Ph.8147307831) |
| Dr. Ravindrakumar N | Professor, EEE Dept. | (Ph.8105662258) |
| Prof. Sathishkumar P | Asst. Prof. EEE Dept. | (Ph.9988155506) |
| Prof. Prashant C | Asst. Prof. EEE Dept. | (Ph.7795811300) |
| Prof. Sanjukumar | Asst. Prof. EEE Dept. | (Ph.9044067397) |

Registration Form

First Name:

Middle Name:

Last Name:

Designation:

Student: Yes/No

Research Scholar: Yes/No

Faculty: Yes/No

Industry: Yes/No

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Institution:

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UGC Basic Letter No. F33202/2019-2020, Dated 22 Dec. 2017, Granted to the University/Organisation, New Delhi, in the list of Private Universities in India.

Alkappa University (University) Govt. is established as "Shriharishwari University Act No. 29 of 2019", Notification No. GO 544 1800, 2019 dated 09/07/2019

**FACULTY OF ENGINEERING AND TECHNOLOGY (CG-ED)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

SCHEDULE OF THREE DAY NATIONAL CONFERENCE ON "RECENT INNOVATION IN ELECTRICAL AND ELECTRONICS ENGINEERING"

| DAY 1st-01-07-2022 | | | DAY 2nd-02-07-2022 | | | DAY 3rd-03-07-2022 | | |
|--------------------|----------------------|---|--------------------|----------------------|---|--------------------|----------------------|--|
| Sl No | Time | Event | Sl No | Time | Event | Sl No | Time | Event |
| 1 | 9:30 AM to 11:00 AM | Session - I Dr. Suresh H. Jangamastam Associate Professor, HOD Dept of EEE, Basavakumar Engineering College Bapalakota. Topic: Solar PV system designs for EV | 1 | 9:30 AM to 11:00 AM | Session -IV Dr. Ramesh L. Chakrasan Professor,EEE Dept & Dean, EDMCET, Dharwad. Topic: Smart grid | 1 | 9:30 AM to 11:00 AM | Session -VIII Dr. Ravikumar Munamanga Associate Professor, Department of Electrical Engineering, IIT, Hyderabad. Topic: AI techniques, applications for power systems security improvement |
| 2 | 11:00 AM to 11:30 AM | Breakfast | 2 | 11:00 AM to 11:30 AM | Breakfast | 2 | 11:00 AM to 11:30 AM | Breakfast |
| 3 | 11:30 AM to 1:00 PM | Inauguration | 3 | 11:30 AM to 1:00 PM | Session -V Prof. Vireshkumar Mathad, Asst. Prof. Sante Gajanan Maharaj College of Engg., Mahagaon. | 3 | 11:30 AM to 1:00 PM | Session -IX Mr. Pavan Kumar Architect in Electronic control Unit Robert Bosch Engg Bangalore. Topic: Power Electronics |

| | | | | | | | | |
|---|--------------------|---|---|--------------------|--|---|--------------------|--|
| | | | | | Topic: FACTS in SMART power Systems | | | Applications in Automobile Inds. |
| 4 | 1:00 PM to 1:45 PM | Lunch | 4 | 1:00 PM to 1:45 PM | Lunch | 4 | 1:30 PM to 1:45 PM | Lunch |
| 5 | 1:45 PM to 3:15 PM | Session - II Dr. G. M. Nankar Professor & HOD, Dept of EEE, Jain Engineering College, Belagavi. Topic: Empiric for sustainability and power quality | 5 | 1:45 PM to 3:15 PM | Session - VI Paper Presentation | 5 | 1:45 PM to 3:15 PM | Session -X Mr. Praveen Ambekar CEO, CDSP Logic Aurangabad, Maharashtra. Topic: Converter and its designs for EVs |
| 6 | 3:15 PM to 3:45 PM | Break | 6 | 3:15 PM to 3:45 PM | Break | 6 | 3:15 PM to 3:45 PM | Break |
| 7 | 3:45 PM to 5:15 PM | Session - III Dr. M. S. Aspal Professor, PG Co- ordinator, EEE Dept. PDACE, Kabburagi. Topic: Importance of power quality in the present scenario | 7 | 3:45 PM to 5:15 PM | Session - VII Dr. Sanguanesh Sakri Professor & HOD Dept of EEE, PDARC Kalyanuragi. Topic: Recent innovation in EVs | 7 | 3:45 PM to 5:15 PM | Valedictory function |

Presentation Schedule

1. Solar Powered Automatic Grain Dryer on 02/07/2022 at 1.45PM

Prof. Priya Patil, Dept. of Electrical and Electronics Engineering, PDA college of engineering Kalaburagi, India ,
Abdul Muqsinh Baig Dept. of Electrical and Electronics Engineering, PDA college of engineering, Kalaburagi, India ,
baigabdulmuqsinhbaig@gmail.com
Amaan Asif , Dept. of Electrical and Electronics Engineering, PDA college of engineering Kalaburagi, India ,
mdali55589@gmail.com
Syed Amaan As, Dept. of Electrical and Electronics Engineering, PDA college of engineering, Kalaburagi, India ,
syedamaan2315@gmail.com

2. EVOLUTION OF COMMUNICATION AND ITS IMPACT ON ENVIRONMENT

on 02/07/2022 at 1.55PM

Kulkarni Priya Rajendra. (Student)
(privarkulkarni21@gmail.com)
Nerikar Sakshi Yogesh. (Student)
(sakshinerikar@gmail.com)
Shete Tejal Rajendra. (Student)
(shetetejal6@gmail.com)
Rutuja Balasaheb Pawase.(Student)
(rutujapawase7218@gmail.com)
Prof.Atul A. Joshi.
(Atul.joshi@avcoe.org).
mrutvahini college of engineering, Sangamner

3. IMAGE FUSION ALGORITHM FOR FUSION OF PANCHROMATIC AND MULTISPECTRAL IMAGES FOR HIGH SPATIAL INFORMATION USING GUIDED FILTER

on 02/07/2022 at 2.05PM

Jyoti , Assistant Professor, Faculty of Engineering and Technology(Co-Ed), Department of Electrical & Electronics Engineering, Sharnbasva University Kalaburagi,
Email: jyotiharsoor@gmail.com

4. Weight Application of AI in Electrical Automation ,

on 02/07/2022 at 2.15PM

Satishkumar Patil, Assistant Professor, Department of Electrical and Electronics Engineering, Sharnbasva University, Kalaburagi, India
Email: satishpatil@sharnbasvauniversity.edu.in

5. Reduction of Circulating Current and Load Balance Using ADR Technique

on 02/07/2022 at 2.25PM

Anil Kumar, Assistant Professor, Faculty of Engineering and Technology(Co-Ed)
Department of Electrical and Electronics Engineering, Sharnbasva University Kalaburagi ,
Email: aksukeee21@gmail.com

6. Modeling of a Wind Turbine with Permanent Magnet Synchronous Generator

on 02/07/2022 at 2.35PM

Prashantkumar S Chinamalli, Assistance Professor, Department of Electrical and Electronics Engineering Sharnbasva University Kalaburagi, Karnataka, India
Email: prashantvnec@gmail.com
Dr. M Sasikala , Professor, Department of Electrical and Electronics Engineering,
Sharnbasva University Kalaburagi, Karnataka, India
Email: sasi_mun@rediffmail.com

7. A Single Phase AC-AC Converter with Extinction Angle Control Method for Better Operation of Induction Motor

on 02/07/2022 at 2.45PM

SHIVALEELA, Assistant professor, Faculty of Engineering and technology (co-ed),
Department of Electrical and Electronics Engineering, Sharnbasva University Kalaburagi,
Karnataka, India
Email- kantikars@gmail.com

8. A comprehensive Review on Electric Vehicles

on 02/07/2022 at 2.55PM

Jagadish Patil, Department of Electrical and Electronics Engineering Faculty of Engineering and Technology(co-ed) Sharnbasva University, Kalaburagi, Karnataka, India
jbpatil99@gmail.com

Dr. M Sasikala Department of Electrical and Electronics Engineering Godutai Engineering college for women, Kalaburagi, Karnataka, India
sasikalamungmuri@gmail.com

Santosh Diggikar Department of Electrical Engineering Central University of Karnataka, Kalaburagi, Karnataka, India
santoshdiggikar86@gmail.com

9. Wind –Hydro Coordination for Enhancing the Value of Wind Power- A Pumped Hydro Analogy

on 02/07/2022 at 3.05PM

Sanjukumar. Biradar Department of Electrical and Electronics Engineering Sharnbasva University, Kalaburagi

sanjukumarbiradar8@gmail.com

Soumya Honyal Department of Electrical and Electronics Engineering Sharnbasva University, Kalaburagi

soumyahonyal1994@gmail.com

10. ESTIMATION OF AVAILABLE TRANSFER CAPABILITY(ATC) USING POWER WORLD SIMULATOR AND MIPOWER

on 02/07/2022 at 3.15PM

Soumya Honyal Department of Electrical and Electronics Engineering Sharnbasva University, Kalaburagi

soumyahonyal1994@gmail.com

Sanjukumar. Biradar Department of Electrical and Electronics Engineering Sharnbasva University, Kalaburagi

sanjukumarbiradar8@gmail.com

11.Literature review on Spectrum Handoff Schemes in Cognitive Radio Networks

on 02/07/2022 at 3.25PM

Annarao Patil, Department of EEE, Sharanbasva university, Kalaburagi, India.

annarao04@gmail.com

Dr. Rohitha. U. M. Department of E &CE Proudhavevaraya Institute of Technology Hosapete, India

rohitha_ujjini@rediffmail.com

12. Seven Switch Seven Level Inverter THD Analysis with Different Multicarrier PWM Switching Techniques

on 02/07/2022 at 3.35PM

Santosh Diggikar, Department of Electrical Engineering
Central University of Karnataka, Kalaburagi, Karnataka, India
santoshdiggikar86@gmail.com

Jagadish Patil, Department of Electronics and Electronics Engineering
Sharnbasva University, Kalaburagi, Karnataka, India
jbpatil99@gmail.com



Ref:SUK/EEE co-ed/NC-22/INV/03

Date: 24/06/2022

Place:Kalaburgi

To,

Dr. M. S. Aspalli,
Professor,
PG Coordinator,
PDA College of Engineering,
Kalaburgi.

Dear Sir,

Subject: Invitation as key guest speaker at **National conference on Recent Innovations in Electrical and Electronics Engineering 2022**

It is my pleasure to invite you as "Key guest speaker" at the **National conference on Recent Innovations in Electrical and Electronics Engineering 2022** on 1st, 2nd and 3rd July 2022, on the topic of "Importance of power quality in the present scenario".

We are expecting participation from Maharashtra, Andhra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on the above topic will be a great honor for us.

Thanks

Prof. Jagadish Patil,
Convener, NCRIEEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
Sharnbasva University Kalaburgi.

Ref:SUK/EEE co-ed/NC-22/INV/04

Date: 24/06/2022

Place:Kalaburgi

To,
Dr. G. H. Kulkarni,
Professor,
Dept. of EEE,
Jain Engineering College,
Belagavi.

Dear Sir,

Subject: Invitation as key guest speaker at National conference on Recent Innovations in Electrical and Electronics Engineering 2022

It is my pleasure to invite you as "Key guest speaker" at the National conference on Recent Innovations in Electrical and Electronics Engineering 2022 on 1st, 2nd and 3rd July 2022, on the topic of "Empire for sustainability and power quality".

We are expecting participation from Maharashtra, Andhra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on the above topic will be a great honor for us.

Thanks

Prof. Jogadish Patil,
Convener, NCRIEEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
Shri Chhatrapati Shivaji Maharaj Vastu Sangrahalaya Kalaburgi.

Ref:SUK/EEE co-ed/NC-22/INV/06

Date: 24/06/2022

Place: Kalaburgi

To,

Mr. Pavan Kumar,
Architect in Electronic control Units,
Robert Bosch Engg.,
Bangalore.

Dear Sir,

Subject: Invitation as key guest speaker at **National conference on Recent Innovations in Electrical and Electronics Engineering 2022**

It is my pleasure to invite you as "Key guest speaker" at the **National conference on Recent Innovations in Electrical and Electronics Engineering 2022** on 1st, 2nd and 3rd July 2022, on the topic of "**Power Electronics Applications in Automobile Industries**"

We are expecting participation from Maharashtra, Andhra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on 02/07/2022 for the above topic will be a great honor for us.

Thanks

Prof. Jagadish Patil,
Convener, NCRIEEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
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Prof. Shambasveshwar Singh
Shambasveshwar Singh
Shambasveshwar Singh



Prof. Shambasveshwar Singh
Shambasveshwar Singh
Shambasveshwar Singh

Kalaburagi - 585103, Karnataka - India
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UGC Status: Letter No. F.B-29/2017 (OPP-IPU), Dated 28 Dec. 2017. Enrolled by the University Grants Commission, New Delhi, in the list of Private Universities in India.
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Ref:SUK/EEE co-ed/NC-22/INV/04

Date: 24/06/2022

Place: Kalaburgi

To,

Dr. Ravikumar Bhimasingu,
Associate Professor,
Dept. of Electrical Engineering,
IIT Hyderabad.

Dear Sir,

Subject: Invitation as key guest speaker at National conference on Recent Innovations in Electrical and Electronics Engineering 2022

It is my pleasure to invite you as "Key guest speaker" at the **National conference on Recent Innovations in Electrical and Electronics Engineering 2022** on 1st, 2nd and 3rd July 2022, on the topic of **"AI techniques applications for power systems security improvement"**.

We are expecting participation from Maharashtra, Andhra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on the above topic will be a great honor for us.

Thanks

Prof. Jagadish Patil,
Convener, NCRIEEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
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Ref:SUK/EEE co-ed/NC-22/INV/05

Date: 24/06/2022

Place:Kalaburgi

To,

Dr. Ramesh L. Chakrasali,
Professor & Dean (Academic Program, Research & Development)
Department of EEE,
SDM College of Engineering & Technology,
Dharwad.

Dear Sir,

Subject: Invitation as key guest speaker at **National conference on Recent Innovations in Electrical and Electronics Engineering 2022**

It is my pleasure to invite you as "Key guest speaker" at the **National conference on Recent Innovations in Electrical and Electronics Engineering 2022** on 1st, 2nd and 3rd July 2022, on the topic of "Smart grid".

We are expecting participation from Maharashtra, Andra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on the above topic will be a great honor for us.

Thanks

Prof. Jagadish Patil,
Convener, NCRIEEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
Sharnbasva University Kalaburgi.

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Kalaburagi - 585103, Karnataka - India
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Phone / Fax No. 08472-277852, 277853, 277854, 277855 www.sharnbasvauniversity.edu.in - email : Sharnbasvauniversity@gmail.com

UGC Status: Letter No. F.6-29/2017(CPP-4/PU), Dated 20 Dec. 2017, Enlisted by the University Grants Commission, New Delhi, in the list of Private Universities in India.
A Private University awarded by Govt. of Karnataka on "Sharnbasva University Act, 2012" Karnataka Act No. 47 of 2013. Notification No. ED-144 UDC 2016 dated 29/07/2017

Ref:SUK/EEE co-ed/NC-22/INV/06

Date: 24/06/2022

Place: Kalaburgi

To,

Prof. Vireshkumar Mathad,

Asst. Prof.

Santa Gajanan Maharaj College of Engg.,
Mahagaon.

Dear Sir,

Subject: Invitation as key guest speaker at **National conference on Recent Innovations in Electrical and Electronics Engineering 2022**

It is my pleasure to invite you as "Key guest speaker" at the **National conference on Recent Innovations in Electrical and Electronics Engineering 2022** on 1st, 2nd and 3rd July 2022, on the topic of **"FACTS in SMART power Systems"**

We are expecting participation from Maharashtra, Andhra Pradesh and Kalyan Karnataka Region Research scholars, PG students and UG students for the event.

Your participation as key guest speaker on 02/07/2022 for the above topic will be a great honor for us.

Thanks

Prof. Jagadish Patil,
Convener, NCRIEE-2022 and
Chairman,
Department of Electrical and Electronics Engineering,
Sharnbasva University Kalburgi.

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Pujya Sharnbasveshwar Maharaj
President of Sharnbasveshwar Vidya Vardhak Sangha



Pujya Basant S. Maheshkar
President of Sharnbasveshwar Vidya Vardhak Sangha



Pujya Sharnbasveshwar Maharaj
President of Sharnbasveshwar Vidya Vardhak Sangha

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Pujya Sharnbasveshwar Maharaj
President of Sharnbasveshwar Vidya Vardhak Sangha

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Ref:SUK/EEE co cd/NC 22/APP/02

Date: 05/07/2022

To,
Dr. G. H. Kulkarni,
Professor,
Dept. of EEE,
Jain Engineering College,
Belagavi.

From:
Prof. Jagadish Patil,
Convenor,
NCRIEE 2022,
Convener and Chairperson,
Department of Electrical and Electronics Engineering,
Sharnbasva University, Kalaburgi

Sub: Appreciation Letter.

Respected Sir,

This is to extend our gratitude towards attending the National conference on 'Recent Innovation in Electrical and Electronics Engineering' and delivering a key note address on the topic "**Emprise for sustainability and power quality**". on **01/07/2022** for the session II and motivating our students.

We wish to have you more often with interesting talks and topics in future.

Wishing you, good health and wisdom.

Yours sincerely,

Prof. Jagadish Patil

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Ref:SUK/EEE co-ed/NC-22/APP/03

Date: 05/07/2022

To,
Dr. M. S. Aspalli,
Professor,
PG Coordinator,
PDA College of Engineering,
Kalaburgi.

From:
Prof. Jagadish Patil,
Convener,
NCRIEE-2022,
Convener and Chairperson,
Department of Electrical and Electronics Engineering,
Sharnbasva University, Kalaburgi.

Sub: Appreciation Letter.

Respected Sir,

This is to extend our gratitude towards attending the National conference on 'Recent Innovation in Electrical and Electronics Engineering' and delivering a key note address on the topic **"Importance of power quality in the present scenario"** on **01/07/2022** for the session III and motivating our students.

We wish to have you more often with interesting talks and topics in future.

Wishing you, good health and wisdom.

Yours sincerely,

Prof. Jagadish Patil







Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha's

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(Under the aegis of Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha)
Kalaburagi - 585 103 Karnataka, India

A THREE DAY NATIONAL CONFERENCE

ON
"Recent Innovations in Electrical & Electronics Engineering"
FACULTY OF ENGINEERING & TECHNOLOGY (CO-ED.)

(Formerly) **APPA INSTITUTE OF ENGINEERING & TECHNOLOGY**

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Certificate



This is to certify that Ms./ Mr./ Dr./ Prof. _____ of

Presented Paper / Thesis / Poster / Participated the Three Days

National Conference on "Recent Innovations in Electrical & Electronics Engineering" held on 1st, 2nd and 3rd July 2022
organised by Department of Electrical & Electronics Engineering, Faculty of Engineering and Technology (Co-Ed), Sharnbasva
University, Kalaburagi.

Convenor

Chairman, Dept of EEE
Sharnbasva University, Kalaburagi

Dean

Faculty of Engg. & Tech. (Co-Ed)
Sharnbasva University, Kalaburagi

Dean

Sharnbasva University
Kalaburagi

Registrar

Sharnbasva University
Kalaburagi

Vice-Chancellor

Sharnbasva University
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