

1. <u>AETECH INAUGURAL FUNCTION -2017</u>



Delegates inaugurating AETECH with the Lighting



Er. Abay. R. Kulkarni addressing the gathering



Faculty and Students attending inaugural function

AETECH (The Association of Electrical Technocrats) Inaugural function was organized on 7th September 2017.

Dr. Satyendra Kumar, HOD EEE, All the faculty and student members of the EEE department attended the function. Er. Shri. Abhay R. Kulkarni, Consultant was the chief guest and Dr. G.R. Udupi, HOD, CSE department was the guest of honour.

Dr. Satyendra Kumar, HOD, EEE, welcomed the gathering. Prof. M.V. Ramana Murthy introduced the chief guest. Mr. Rahul Gurav, Student Secretary, AETECH proposed the action plan for the year 2017-2018 which include Workshops, Guest lectures, Industrial visits, Project exhibitions, Technical quiz, Paper presentation and the other activities planned by the faculty and the student coordinators.

Er. Shri Abay R. Kulkarni in his address to the students conveyed the message that there is no dearth of opportunities for the core engineering branch students. He advised students to visit industry and work on industrial problems. He gave an introduction into the quality practices.

Dr. G.R. Udupi in his address instructed students to actively participate in workshops and execute industry related projects and communicate to refereed journals.

Vote of thanks proposed by Prof. LalithaDarbha. The event was followed by cultural programs.

2. ONE DAY WORKSHOP ON MATLAB

A One day MATLAB workshop was conducted on 08.10.2017 from 9.00am-5.00pm for the benefit of EEE students from second year to final year. Around 40 students have registered for the workshop. Mr. NitinAwasthe, Managing Director, Apsis Solutions, Bengaluru gave overview of MATLAB and motivated the students. He suggested the students to focus on the basics and to have a grip over the fundamentals. Prof. LalithaDarbha and Prof Suvarna U Karki, the coordinators for the workshop welcomed Dr. Satyendra Kumar, HOD, EEE.



Mr. NitinAwasthie delivering Motivational Talk

3. PARENTS MEET



Faculty members interacting with parents

With an objective of making parents to know the status of their wards parents meet was conducted on 04/11/2017. Prof. SuvarnaKarki welcomed the gathering and HOD E&E Dept.

Dr. Satyendrakumar addressed the gathering. Many parents all the way came and attended the

meeting. Parents were very happy to interact with faculty and came to know the academic status of their wards.

4. INDUSTRIAL VISITS

Industrial Visit to Solar Power Plant, Itnal

Industrial visit was arranged for III semester students on 14/10/2017. Prof. LalithaDarbha, Prof. BasavarajHugar and Prof. BasavarajChikkmath along with 44 students visited plant. Plant engineers and faculty members explained in detail about plant like installations of solar panels, Inverters, MTPT Tracker and Backup plant of 10KW per substation power needs. This plant was set up in the year 2010 in 17 acres land with an installed capacity of 3MW.



III SEM E&E students along with the faculties visitedsolar power plant, Itnal

Industrial Visit to Nuclear Power Plant, Kaiga

Industrial visit was arranged for V semester students on 28/10/2017.Prof. M. V. Ramana Murthy, Prof. ChetanKudale and Prof. MeghaMalali along with 46 students visited plant. Kaiga Generating Station is a nuclear power generating station situated at Kaiga, near the river Kali, in Uttar Kannada district of Karnataka. It has four units; all of the four units are small-sized CANDU plants of 220 MW. Students had a good opportunity to have good exposure of nuclear power.



Elevated view of 880MW Nuclear power plant, Kaiga



Plant engineer explaining about the plant to students and staff



Group photo of students and staff visiting Kaiga Nuclear plant

5. TEACHERS DAY CELEBRATION



Staff and students celebrating teacher's day by cutting cake



Principal Dr. S. S. Salimath addressing the gathering

Teachers day was celebrated in department on 05 Sept 2017 in honour of Dr. SarvapalliRadhakrishnan. Students of V^{th} semester took active participation in organizing it. Ms. ShifaMadiwale welcomed the gathering. Students welcomed faculty members by giving flowers. Beloved principal Dr. S.S.Salimath addressed students and staff. Various games were arranged to play for faculty by students.

6. GUEST LECTURE ON SIGNALS & SYSTEMS



Dr. Satyendrakumar welcoming Prof. Siddlingesh Navalgund.



Prof. Siddlingesh Navalgund delivering guest lecture

A Guest lecture was arranged for the benefit of Vthsemester students on "signals and systems". Prof. SiddlingeshNavalgund, Dept. of EEE, SDM Dharwad was the resource person. Prof. SuvarnaKarki coordinated the arrangement of it. Dr.Satyendrakumarwelcomed him by presenting bouquet. Dr. Ravi Yadahalli introduced the resource person. Prof. SiddlingeshNavalgund explained in detail about Discrete time fourier transform and continuous time fourier transform. Many students attended and took best benefit it.

7. STUDENTS ACTIVITIES

Under AETECH Inter-department Technical Quiz Competition conducted for students in EEE department on 04/11/2017. Total 36 students from all the departments registered and participated in Quiz. Mr. NiteshYadav and Ms. Annapoorna N H students from EEE department secured 1st and 2nd places respectively.



Student's participation in Technical Quiz

8. FACULTY ACHIEVEMENTS

- ➤ Prof. R.M Patil was awarded with Doctorate degree from Visveshwaraya Technological University Belagavi.
- > Dr. Satyendrakumar was recognized as Research Supervisor by VTU and two faculty members registered under him for Ph.D.
- ➤ Prof. BasavarajHugar, Prof. MeghaMalali, published a paper "Analysis of Thermal and Cogeneration plants", in International Journal of Scientific & Engineering Research, ISSN 2229-5518, 2017.
- ➤ Prof. BasavarajHugar submitted a project proposal on "Contractor based Automatic Change over Switch" to Karnataka Industrial & Commerce department Belagavi.
- ➤ Prof. M. V. Ramana Murthy delivered a Technical Talk as part of Faculty Seminar on "Indian Defence Manufacturing" on 17 October 2017.
- ➤ Prof. M. V. Ramana Murthy coordinated the preparation of Institute Master Time table in August 2017.
- ➤ Prof. M. V. Ramana Murthy coordinated participation of EEE Department students in Placement activities which include Industries Technologics Global Private Ltd, PayTM, Saankhya Labs etc.
- ➤ Prof. BasavarajHugar mentored one project group of 7th SEM EEE students for participation in HACKTHON 2018.
- ➤ Prof. M.V. Ramana Murthy mentored three project groups of 5th and 7thSem EEE students for participation in HACKTHON 2018.
- ➤ Prof. BasaningappaTilaganji coordinated the arrangement of industrial visit to Itnal solar power plant for 3rd SEM students and kaiga nuclear power plant for 5th SEM students.

- ➤ Prof. M. V. Ramana Murthy Participated as JUDGE for the MINI PROJECT COMPETITION held for ECE students on 14 October 2017 at SGBIT.
- ➤ Prof. M. V. Ramana Murthy submitted a project proposal on "Wireless Powered Electric Vehicles" to Karnataka Industrial & Commerce department, belagavi.
- ➤ Prof. M. V. Ramana Murthy participated in Syllabus Blow up workshop for finalization of V & VI semester B.E (CBCS) Open Electives at VTU Regional Office on 01 August 2017.
- ➤ Prof. BasavarajChikkmath, Prof. MadhuriPatil, Prof. Meghamalali and Prof. KalpanaAgasar attended workshop on Energy conservation building code held in VTU Belagavi on 12/10/2017.
- ➤ Prof. BasavarajChikkmath, Prof. SuvarnaKarki and Prof. BasaningappaTilaganji attended guest lecture conducted in EEE dept., SGBIT on "Signals & Systems" by Prof.SiddlingeshNavalgund, Dept. of ECE, SDMDharwad on 07/11/2017.

9. STUDENTS ACHIEVEMENTS

- Ms. Samreenbano Basheerahmed Maniyar was selected and got placed in M/S Technologics Global Pvt Ltd, Bangalore.
- Ms. DeepaKalyani, student of VIIthsemester participated in VTU level Throwball Tournament held at VDRIT Haliyal on 06th Oct 2017 and secured 3rd place.
- Ms. KaveriJainapur, student of Vthsemester participated in VTU level Throwball Tournament held at VDRIT Haliyal on 06th Oct 2017 and secured 3rd place.

Toppers List

SEM/RANK	1 st Rank	2 nd Rank	3 rd Rank
2 nd SEM	Ms. Yasmin Mulla 8.67	Ms. ShradhaMoukar 8.43	Ms. LaxmiTotagi 8.36
4 th SEM	Ms. KaveriJainapur 7.83	Ms. Priyanka B Pudabangi 7.81	Ms. Annapoorna N H 7.61
6 th SEM	Ms. Mishana M Dsouza 78.66%	Mr. Ashwin M Vaze 75.55%	Ms. SamreenbanoManiyar - 74.44%
8 th SEM	Mr. PandurangMohite 81.06%	Ms. SushmitaPatil 80.13%	Ms. SavitriNagaral 76.4%



10.NATIONAL SCIENCE DAY

Department of Electrical and Electronics Engineering under the banner of AETECH organized essay writing competition on 28/2/2018(National Science Day) from 9.00 am to 10.00 am. National Science Day is celebrated to mark the discovery of the Raman Effect by Sir Chandrasekhar Venkata Raman on 28th February 1928. The theme for celebration of this year's National Science Day was "Science and Technology for a Sustainable Future". Students across all the departments participated.



Students participating in Essay Writing Competition

11.SAGAR TROPHY

Department of Electrical and Electronics Engineering under the banner of AETECH is been organizing "SAGAR TROPHY" cricket tournaments every year from the year 2013. This year's tournament was scheduled from 5th march to 10th march. 7 teams were registered with participation of 3 teams from Civil Engineering, 2 from Electrical and Electronics Engineering, one each from Mechanical Engineering and Electronics and Communication Engineering Departments respectively. Civil Engineering department 6th SEM students won the final match against Electrical and Electronics Engineering department 8th SEM students. Dr. Satyendra Kumar HOD- EEE along with all the faculty of EEE department was present for the final match to encourage the students.



Electrical and Electronics Engineering Department Faculty with students



Dr. Satyendra Kumar, HOD, EEE greeting students

12.A TALK ON PLC PROGRAMMING AND INDUSTRIAL AUTOMATION

A talk on "PLC Programming and Industrial Automation" was organised under the banner of AETECH by EEE Department SGBIT, Belagavi. Mr. Vilas Patil from Infy Sky, Belagavi delivered the talk on PLC Programming and Industrial Automation on 6th March 2018 from 11.00 am to 12.00 noon. The talk was attended by Dr. Satyendra Kumar, Prof. Basaningappa Tilaganji, Prof. Lalitha Darbha and the students of 6th and 8th semesters of Electrical and Electronics Engineering Department.



Mr. Vilas Patil delivering Talk on Industrial Automation



Students of 6th SEM and 8th SEM attending talk on Industrial Automation

13. INDUSTRIAL VISITS

Industrial Visit to West Coast Paper Mill, Dandeli

Electrical and Electronics Engineering department students and faculty visited West Coast Paper Mill, Dandeli on 04/04/2018. Total 36 students of 6th SEM and 3 faculty members accompanied the visit. Plant staff briefed about how timber is crushed and converted into paper. Students got to know the different stages involved in processing. West Coast Paper Mills Limited (WCPM) is one of the oldest and the largest producers of paper for printing, writing, and packaging in India. Established in 1955, the Mill is located at Dandeli in Uttara Kannada district in Karnataka. The WCPM sale of branded copier paper is currently over 8500 MT/month.



Electrical and Electronics Engineering department Faculty and students at WCPM, Dandeli

Industrial Visit to Alamatti Power House, Alamatti

Electrical and Electronics Engineering department students and faculty visited Alamatti Power House on 13/04/2018. Total 36 students of 4th SEM and 2 faculty members accompanied the visit. Er. Prema Pawar briefed about generation of Electrical power, protective devices, controlling of generation and transmission of power to different places. The Alamatti Dam is the main reservoir of the Upper Krishna Irrigation Project. The 290 MW total generation power station is located on the right side of the Alamatti Dam. The plant is having five 55MW generators and one 15MW generator.

On return journey students got an opportunity to visit Energy Park at Basaveshwar Engineering College, Bagalkot. PG students of Power and Energy System briefed about the Energy Park to students and Faculty.



Electrical and Electronics Engineering department faculty and students at Alamatti Power House



Electrical and Electronics Engineering department faculty and students at Energy Park in BEC

Bagalkot

Department of Electrical and Electronics Engineering, S.G. Balekundri Institute of Technology organised free Mock Test for Common Engineering Entrance on 15th April 2018 from 10:30am to 01:30pm for CET aspirants. Students were addressed by the faculty for career awareness and opportunities ahead for CET aspirants. The tests were conducted in the prescribed CET format in Physics, Chemistry and Mathematics.

More than 100 students from various colleges in and around Belagavi appeared for the tests. Dr. S. S. Salimath, Principal and all heads of the department and coordinator, staff members were present and advised the students.



Engineering aspirants attending Free CET Mock Test

15. ONE DAY TECHNICAL SEMINAR ON WIND AND SPV SYSTEMS – SUSTAINABLE ENERGY TECHNOLOGIES FOR FUTURE

Department of Electrical and Electronics Engineering, S.G. Balekundri Institute of Technology under the banner of the department association "AETECH", was organized one day technical seminar on the topic "Wind and SPV Systems –Sustainable Energy Technologies for Future". Dr. Suresh H. Jangamshetti and Dr.Basanagouda F. Ronad from BEC, Bagalkot were the Resource persons. Dr. Jangamshetti spoke on the present energy scenario of wind and solar. He also discussed on the opportunities for electrical engineering. Dr. Ronad spoke on the Energy Conservation and Sustainable Technologies in Irrigation Systems. The entire faculty and the students of Electrical and Electronics department attended the seminar.



Dr. S. S. Salimath, Principal, SGBIT and Resource Persons inaugurating the seminar



Students and faculty with resource persons

16. TWO DAYS SKILL DEVELOPMENT PROGRAM ON PLC PROGRAMMING AND INDUSTRIAL AUTOMATION

Department of Electrical and Electronics Engineering, S.G. Balekundri Institute of Technology

Development Program on "PLC Programming and Industrial Automation". Mr. Vilas Patil, Design Engineer, Infy Sky, Belagavi was the Resource person. Mr. Vilas Patil delivered sessions on how to write PLC program in different PLC softwares for different applications. Students had hands on sessions in the afternoon of both days. Around 30 students from 6th SEM and 8th SEM attended the Skill Development Program. Dr. Satyendra Kumar, HOD, EEE Department welcomed the gathering. Prof. Basaningappa Tilaganji introduced the resource person. Dr. S. S. Salimath, Principal, SGBIT in presidential remarks stressed on the importance of skill development programs. Prof. Sharanabasava Marihal proposed vote of thanks. Ms. Veena Hiremath rendered invocation song. The program was hosted by Mr. Rahul Patil.



Dignitaries inaugurating the function by pouring water to plant



Mr. Vilas Patil, Infy Sky, Belagavi delivering session on PLC Programming

17. AETECH VALEDICTORY

AETECH (The Association of Electrical Technocrats) Valedictory was organized on 10th May 2018. Dr. Satyendra Kumar, HOD EEE, All the faculty and student members of the EEE department attended the function. Er. Shri Raghavendra Kulkarni, Proprietor, SGR group was the chief guest

Dr. Satyendra Kumar, HOD, EEE, welcomed the gathering. Ms. Madhuri Patil introduced the chief guest. Mrs. Lalitha Darbha , Faculty coordinator, AETECH delivered the annual report of activities conducted under the banner which included Technical Quiz, Matlab Workshop, Essay writing completion organized on account of National Science Day, Technical Seminars on Renewable energy & PLC , Skill development program on PLC , Sagar Trophy and many more.

Shri Raghavendra Kulkarni in his address motivated the students to be entrepreneurs and do smart work. He gave overview of his journey from his work in Kirloskar Electric Ltd to setting up own enterprise. He suggested the students to follow values. Dr.S.S. Salimath in his presidential remarks urged the students to remain confident and have positive approach towards any activity. The talk was followed by prize and certificate distribution for the winners of various events. Vote of thanks proposed by Prof. Basaningappa Tilaganji. Ms. Roshani and Ms.Shrutika compered. Ms.Shreya rendered the invocation song. The event was followed by cultural programs.



Shri Raghavendra V Kulkarni, Proprietor, SGR Group addressing the gathering



Faculty and Students of EEE Dept attending the program

18. Faculty Achievements

- ➤ Prof. M.V. Ramana Murthy coordinated participation of EEE Department students in Placement activities which include Industries Technologics Global Private Ltd, PayTM, Saankhya Labs etc.
- ➤ Prof. M. V. Ramana Murthy submitted a project proposal on "Wireless Powered Electric Vehicles" to Karnataka Industrial & Commerce department, belagavi.
- ▶ Dr. Satyandrakumar and Prof. Digvijay Kanase presented a paper on "Control of Bidirectional Dual Active Bridge Converter using SPWM" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Prof. Lalitha Dharba presented monthly faculty seminar on charging stations for Electric Vehicles in the month of February.
- ➤ Prof. Basaningappa Tilaganji presented monthly faculty seminar on Electric Vehicles in the month of March.
- ➤ Prof. Basavaraj Chikkmath presented monthly faculty seminar on Life of Steve Jobs in the month of April.
- ➤ Prof. Basaningappa Tilaganji, Prof. Basavaraj Hugar and Prof. Basavaraj Chikkmath attended one week Short Term Training Program on "Wide Area Monitoring and Control of Power System using Synchrophasor Technology" organized by Department of Electrical & Electronics Engineering, KLE Dr. M. S. Sheshgiri College of Engineering & Technology, Belagavi from 16th -21st January 2018.
- ➤ Prof. Chetan Kudale and Prof. Basavaraj Hugar presented a paper on "Optimal Design of Earth MAT for 110KV Substation" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- ▶ Prof. M. V. Ramana Murthy presented a paper on "Review of Research Work on Phasor Measurement Unit for Power Monitoring in Smart Grids for Smart Cities" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Prof. Basaningappa Tilaganji presented a paper on "A Simplified Approach for Voltage Profile Improvement in Distribution System" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Prof. Sharanbasava Marihal presented a paper on "Design And Development Of Microcontroller Based Modified Square Wave Inverter (MSI)" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Prof. Basavaraj Chikkamath presented a paper on "Simulation and Improvement Of Voltage Sag/Swell using Dynamic Voltage Restorer" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- ▶ Prof. Megha R. Malali and Prof. Manjula Biradar presented a paper on "Innovative method in agricultural field to preserve food grains" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.

- ▶ Prof. Madhuri Patil and Prof. Kalpana Agasagar presented a paper on "Analysis of Energy Efficiency and study of M-RAM Technology Performance" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- ➤ Prof. Basavaraj Hugar presented a paper on "Implementation of Starters for Three Phase Induction Motor" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Prof. Manjula S. Biradar presented a paper on "Zigbee Based Speed Synchronization of Multiple DC Motors" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.

19. Students Achievements

- Ms. Rutuja R Patil of 4th sem had been selected to participate in the All India Inter-University Ball Badminton Competitions representing VTU, Belagavi which was held on 5th to 9th February 2018 at Dravidian University, Kuppam (AP).
- ➤ Mr. Aditya Karambalkar of 6th sem participated in 100mtr men and 200 mtr men running competition in SGBIT Sports Meet and secured 1st place in both.
- ➤ Mr. Shrinivas Dolekar Participated of 6th sem in Shot Put Men, Discuss Throw Men and Javeline Throw Men in SGBIT Sports Meet and secured 1st place, 2nd place and 3rd place respectively.
- ➤ Ms. Mahadevi Patil of 2nd sem participated in Discuss Throw Women in SGBIT Sports Meet and secured 2nd place.
- ➤ Ms. Samreenabano got selected in Technologics Global Pvt Ltd, Bangalore.
- Mr. Ashwin Vaze, Ms. Mishana D' Souza and Ms. Spoorthy Iyengar got selected in Bhilwar Technologies, Bangalore, a pool drive conducted on 10th March 2018.
- ➤ Ms. Sneha Dandavate got selected in Elcamino Software Pvt Ltd, Bangalore conducted on 12th April 2018.
- ➤ Ms. Rachana Hanamant of 6th sem presented a paper on "GPS based smart garbage van tracking and alert system using IOT" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Ms. Shweta S. Puranikmath, Ms. Aishwarya P. Karnawadi, Mr. Jagadeesh S. Shivalli of 7th sem presented a paper on "Simulation and Improvement of Voltage Sag/Swell using Dynamic Voltage Restorer" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- ➤ Ms. Samreenbano B Maniyar of 7th sem presented a paper on "Hydrogen Fuel Cell Technology" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.
- Ms. Snehal Dandavate presented a paper on "Implementation of Starters for Three Phase Induction Motor" in National Conference on Skill Development & Entrepreneurship on 27th April 2018 organized by S. G. Balekundri Institute of Technology, Belagavi.

Toppers List

SEM/RANK	1 st Rank	2 nd Rank	3 rd Rank
3 rd SEM			
	Ms. Shradha A. Morkar 72.87%	Ms. Smita Talawar 68.37%	Ms. Shivani Karate 67.87%
5 th SEM			
	Ms. Rachana Hanamant 73.25%	Ms. Annapoorna N. H. 72.12%	Ms. Uma M Desannavar 70.50%
7 th SEM			
	Ms. Shweta Puranikmath 76.01%	Ms. Samreen Bano 74.5%	Ms. Meenakshi N. L. 74.4%