



Date:-25/02/2020

Report 2019-2020

1. Orientation program for SY B.Tech

We organized Orientation Programme for Second Year Electrical Engineering SGU students on 8th July 2019, Monday. It includes Inaugural function, curriculum explanation, Labs visit of the department and Industrial visit.



Fig 1. Inaugural Function



Fig 2. Curriculum Explanation



Fig 3. Lab Visits



Fig 4. Industrial Visit



The academic coordinator **Mr U.T. Patil**, Assistant Professor organized the orientation program. **Mr. P.S. Magdum**, Assistant Professor arranged the Industrial visits.

2. Review of Advanced Course Introduced – Data Analytics and Scholastic aptitude

When we collect the feedback 80 percentage of students have satisfied with the courses. The assignments which the respective faculty has given was very useful. Some of the students are planning to do the project in the field of Energy audit, prediction of wind and solar irradiation changes for renewable energy sources. We feel that it will be very helpful for the students when they will start to analyze the literature regarding the project. The students have also given good feedback about foreign language course.

3. Workshops and FDP conducted by department for students and faculties

- a) On 7th Oct 2019, One day 'Student Solar Ambassador Workshop' was organized for B.Tech students of Electrical Engineering Department under 'Gandhi Global Solar Yatra-2019' by IIT Bombay. The program was inaugurated by our Hon. VC, Dr. V A Raikar by switching on solar lamp. 50 Solar Ambassadors got trained in this event and prepared their own Solar Table Lamps under the guidance of program trainers **Mr. P D More** and **Mr. N R Kulkarni**, Assistant Professors of Electrical Engineering Department.



Fig 5. Solar Ambassadors Workshop



Fig 6. Group of Solar Ambassadors

- b) On 14th and 15th October 2019 we organized two day's hand-on workshop on “**Involvement of MATLAB Simulink**” in Electrical Engineering Projects for Electrical Engineering students under Value Aided Training (VAT) Program. The resource person was **Dr. Rajin**



M Linus, Associate Professor and HOD in Department Of Electrical Engineering. It was organized by **Mr. I.D. Pharne**, Assistant Professor of Electrical Engineering Department.



Fig 7. Workshop on MATLAB under VAT

- c) We organized one day workshop titled “**Maintenance of Home Appliances**” on 18th January 2020 under VAT Cell for SY B.Tech students of Electrical Engineering students. Resource person was **Mr. P. S. Magdum**, Assistant Professor, in Department of Electrical Engineering, Mr. I.D. Pharne arranged the workshops.



Fig 7. Workshop on Maintenance of Home Appliances

- d) Organized the faculty awareness programme for Electrical Engineering faculties titled “**How to find the Research Problems**” and “**How to start the consultancy works**” on 6th July 2019 and 7th September 2019 respectively. The resource person for the title how to find the research problems was **Dr Rajin M. Linus**, Associate Professor and HOD of Electrical



Engineering Department. **Dr N.K. Patil**, Professor and HOD of Civil Department of SGU was the resource person for the title How to start the consultancy works.



Fig 8. Discussion on Consultancy Work



Fig 9. Discussion on Finding Research Problem

- e) We have coordinated one day workshop titled “eSim” on 21st September 2019 under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching at IIT Bombay as our institute is one of the remote canters for NMEICT, **Mr. I.D. Pharne**, Assistant Professor of Electrical Department coordinate the event.



Fig 10.eEsim Workshop Inauguration and Training

4. Publications in Refereed journals and Research Activates

Mr Pravin G. Dhawale, Assistant Professor of Electrical Department has published his research article in Scopus Indexed journal titled “International Journal of Engineering and Advanced Technology (IJEAT)”. The details are as follows



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1. **Pravin G. Dhawale, Sushil D. Gaurkhede** “**Matrix Converter for Induction Motor Drive**”, International Journal of Engineering and Advanced Technology (IJEAT), Vol.9., Issue-3, February 2020 (Scopus)

During the academic year 2019-2020, department started the research activity and two research scholars are doing Ph.D in the area of Smart grid and Wind Energy Conversion System.

5. Faculty and students participated in conferences and training programs

Eight faculties of Electrical Engineering department have attended the various workshop and development programs. The details are tabulated in Table: 1

Seminars/Conferences/Workshop attended by the faculty

Sr. No.	Name	Name of Workshop/STTP/FDP	Organized By	Venue	Date
1	Mr. Pankaj Maskar	One week STTP On “Electrical Planning with AUTOCAD”	ADCET, Ashta	ADCET, Ashta	9 th to 13 th Dec 2019
2	Mr. Indrajit Pharne	One week STTP On “Electrical Planning with AUTOCAD”	ADCET, Ashta	ADCET, Ashta	9 th to 13 th Dec 2019
3	Mr. Uday Patil	One week STTP On “Electrical Planning with AUTOCAD”	ADCET, Ashta	ADCET, Ashta	9 th to 13 th Dec 2019
4	Mr. Vikas Bhandare	One week STTP On “Electrical Planning with AUTOCAD”	ADCET, Ashta	ADCET, Ashta	9 th to 13 th Dec 2019
5	Mr. Vikas Bhandare	One Week Faculty Development Program on Scientific & technical writing tools	SGU, Kolhapur	SGU, Kolhapur	6 th to 11 th Jan 2020



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6	Mr. Sandeep Godhade	One week STTP On “Electrical Planning with AUTOCAD”	ADCET, Ashta	ADCET, Ashta	9 th to 13 th Dec 2019
7	Mr. Pravin Dhawale	One day Workshop on eSim, a First Course in the IoT series for teachers	Teching learning center ICT at IIT Bombay, MHRD, Govt of India	Electrical SGI, Atigre	21/09/2019
8	Mr. Pravin Dhawale	One Week Faculty Development Program on Scientific & Technical writing tools	SGU, Kolhapur	SGU, Kolhapur	6 th to 11 th Jan 2020
9.	Ms. L.M. Shankareppagol	One day Workshop on eSim, a First Course in the IoT series for teachers	Teching learning center ICT at IIT Bombay, MHRD, Govt of India	Electrical SGI, Atigre	21/09/2019

Table:1

6. New Pedagogical practices introduced in the department

Introduced the MATLAB Simulink based teaching for the subject titled Electric Drives and Control by the faculty **Dr Rajin M. Linus** for Third year B.Tech. SGU students in this second semester of AY 2019-2020. The result can be analyzed only the end of the semester. We are in the pipe line of analyzing the strategies in order to improve the research activities of the department during the next academic year.

7. Students Industrial visits, Faculty visits



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We Electrical Engineering department has arranged two industrial visit for second year SGI and SGU students and third year students. Also we have organized one industrial visit for faculties

Sr.No	Industrial Visits	Students/Faculty	Date
1.	Sanjay Ghodawat Group	SY, SE B.Tech	09/07/2019
2.	Power Engineers, Kolhapur	TY B.Tech	17/09/2019
3.	RENOM, Chalkavadi	Faculty	18/12/2019



Fig 10. Industrial Visit of Third year SGU students

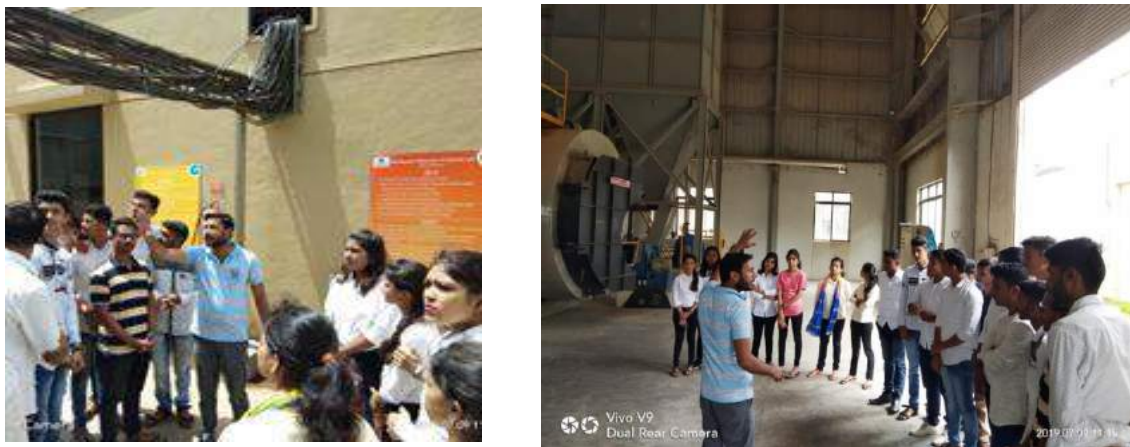


Fig 11. Industrial Visit of Second Year SGU and SGI students



Fig 12. Faculties Industrial Visit at RENOM

8. Guest and expert lectures

- a. **Mr. P.S. Magdum**, Assistant Professor of Electrical Engineering Department has arranged a guest lecture on “**Industrial Applications of Analog Electronics**” for Second Year SGI and Second Year SGU students on 19th September 2019 by **Mr. Anup Chandrashekhar Joshi**, Director Fusion Leap Consultancy & Services, Miraj.



Fig 13. Guest Lecture by Mr. Anup Chandrashekhar

- b. **Mr. A.B. Kumbhar**, Assistant Professor of Electrical Engineering Department has arranged a guest Lecture on “**AC Machines & Measurements**” for Second Year SGI and Third Year SGI students on 20th Sept 2019 by **Mr. S. S. Katre**



Fig 13. Guest Lecture by Mr. S.S. Katre

- c. **Mr. Ajit N. Shinde**, Assistant Professor of Electrical Engineering Department has organized the guest lecture to Final year BE-A and BE-B on the topic "**Job opportunities for graduate technical Engineers in software industry**" on Saturday, 21-9-19.
- d. The invited guest was **Mr. Pravin L. Sawant**, Assistant Vice-President, BARCLAYS Global Services, Pune.



Fig 14. Guest Lecture by Mr. Pravin L, Sawant

- e. **Mr. S.V. Patil**, Assistant Professor of Electrical Department organized a guest lecture on "**Robotics Processing Automation**" by **Mr. Rohan Patil**, Sr. Software Developer, Zensar Technologies, Kharadi, Pune to Third year and Last year students of Electrical Engineering on 5th October 2019



Fig 15. Guest Lecture by Mr. Rohan Patil

- f. Mrs. S.R. Kumbar, Assistant Professor of Electrical Engineering Department Department has arranged the guest lecture on “**Electrical Measurements**” by **Mrs. Bhakti Dixit**, Director, Vijeta switchgear Pvt Ltd. Sangli for Second Year SGU B.Tech students, SGU on 16th October 2019.

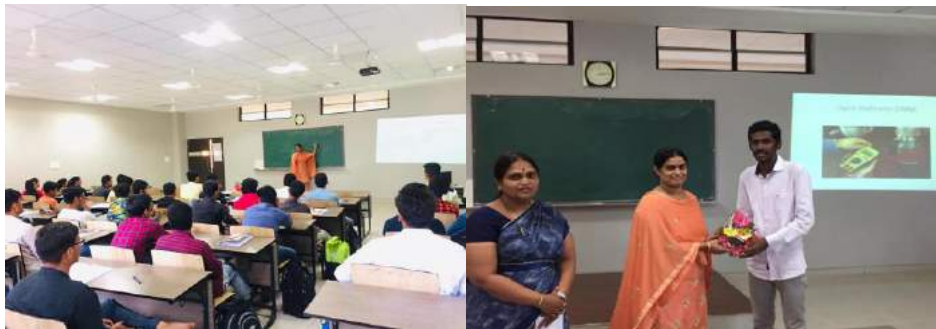


Fig 16. Guest Lecture by Mrs. Bhakti Dixit

9. Students and Faculties Special Achievement

a. Students achievement

1. Placement Achievement - ‘Capgemini’



Fig 17. Ms. Prachi Jayant Dange (BE-A) Ms. Patil Akshata Adinath (BE-A)



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The students Ms. Prachi Jayant Dange Ms. Patil Akshata Adinath of BE-A have get selected in pool campus drive at SGU of **Capgemini** with the pacage of 3.80 Lac.

2. Placement Achievement - Coganizant Company'



Fig 18. Bhagate Revati Rajkumar (BE-A)

Ms. Bhagate Revati Rajkumar (BE-A) get Selected in 'Coganizant Company' through campus drive on 15/02/2020 with package of 4.00 Lac.

3. Placement Achievement - SLK company



*Fig 19. Mali Dnyaneshwari Shivprasad (BE-A), Mr. Kamble Aakash Sagar (BE-A),
Mr. Todkar Sanjeev Ravindra (BE-B)*

'SLK company' through campus on 13/02/2020 selected the students Mali Dnyaneshwari Shivprasad (BE-A), Kamble Aakash Sagar (BE-A), Todkar Sanjeev Ravindra (BE-B) with package of 3.20 Lac.

The department placement co ordinator **Mr. A.B. Kumbhar** and Training coordinator **Ms. M.M. Havagondi** have supported the placement drive behalf of the department.

- b. On 3rd October 2019, Mr. Devendra Gowda and Mrs. S.R.Kumbar Assistant Professors of Electrical Engineering Department given talk on "**Intellectual Property Rights**" at Kanya Mahavidyalaya (Art's and Commerce) college Ichalkaranji.



Fig 18. Mr. Devendra Gowda & Mrs. S. R. Kumbar Presentation

- c. **Mr. Devendra Gowda**, Assistant Professor of Electrical Engineering Dept delivered a guest lecture on "**IPR and Filing Patent**" at Nanasaheb Mahadik College of Engineering College, Peth, Maharashtra on **26th November 2019** during Two week DSE Internship program.



Fig 19. Mr. Devendra Gowda Presentation

- d. **Dr. Rajin M. Linus**, Associate Professor & HOD, Electrical Engineering Dept. delivered guest lecture titled "**Recent Trends in Wind Energy Conversion System**" on MSBTE sponsored Faculty Development Program on "Recent Trends in Electrical Power System by Sanjay Ghodawat Polytechnic, Atigre on **8th December 2019**.



Fig 20. Dr Rajin M. Linus Presentation



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- e. **Mr. Devendra Gowda & Mrs. S. R. Kumbar** Assistant Professor of Electrical Engineering Department delivered talk on **“Innovation and Intellectual Property Rights in Indian Scenario”** in Shri. Venkatesh Mahavidyalaya (Commerce) Ichalkaranji on Thursday, **9th January 2020**. This workshop organized as activity of LEAD - Shivaji University.



Fig. 21. Mr. Devendra Gowda & Mrs. S. R. Kumbar Contribution

- f. **Mr. Devendra Gowda**, Assistant Professor of Electrical Engineering Department delivered a Guest Lecture on **"Awareness of IPR"** for Aeronautical department students at SGU on **11th October 2019**.



Fig. 22. Mr. Devendra Gowda presentation at Aeronautical Department

- g. **Mr. Uday Patil**, Assistant Professor, Department of Electrical Engineering, delivered a lecture on **"Modern Agriculture Techniques and How to cultivate flower crops"** in NSS camp arranged by Sanjay Ghodawat University, Kolhapur on 13/02/2020.



Fig. 23. Mr. U.T. Patil presentation at NSS Camp

- h. Dr. Rajin M. Linus**, Associate Professor & HOD, Department of Electrical Engineering, delivered a lecture on "Personality Development and Punctuality" in NSS camp arranged by Sanjay Ghodawat University, Kolhapur on 14/02/2020.



Fig. 24. Dr Rajin M. Linus presentation at NSS Camp

10. Important dignitaries visited the Departments

Dr. Umashankar Subramaniam, Associate Professor of Renewable Energy Research Lab, College of Engineering, **Prince Sultan University, Riyadh, Saudi-Arbia** visited Electrical Department on Tuesday, 30/7/2019.



Fig. 23. Dr Umashankar Subramaniam Visit

There was an interactive session titled “Job and Research Opportunities in Electrical Engineering” with all students and staff separately. **Dr. Rajin M. Linus**, Associate Professor and HOD of Electrical Engineering Department arranged the session with the help of department academic coordinator **Mr. U.T. Patil**, Assistant Professor of the Electrical Department.

11. Any other important events to be reported.

We the faculties of Electrical Engineering department are in the discussion and contact with RENOM Energy Service Limited at Pune in order to start the research activities in Wind Energy conversion system.



Fig 24. Discussion and Visit at RENOM

We have conducted the first round research related discussion with Mr Ranjith, Partner, Manager Mr. Raj Kumar, Vice President Mr Sathish, Mr Lakshmanen, CEO of RENOM Energy



Service Limited at Pune on **19th August 2019**. This discussion has been initiated by **Dr Rajin M. Linus**, Associate Professor of Electrical Engineering Department, SGU, Kolhapur

12. Effectiveness of Internship Report

Total 16 companies have been selected for internship by the students as well as faculty members. The faculties **Mr. P.S. Magdum** and **Mr. S.S. Godhade**, Assistant Professors of Electrical Engineering Department have visited the three companies at Jaysingpur and sangli region. The feedback of the students and the industry are good. Some students have demonstrated the small works related to the company needs. For the remaining company the internship coordinator **Mr P.S. Magdum** collected the feedback through phone. The industry people specially appreciated the format of internship booklet. The review process is in under progress.

13. Department Cultural Activities

As a part of cultural activities, our department has organized ‘**Departmental Talent Hunt**’ (DTH) on **14th & 15th September 2019**. This event was conducted to motivate the hidden talents of Electrical Engineering students.



Fig 25. Inaugural Function of DTH



Fig 26. Prize Distribution

It was coordinated by **Mr. Anand Bhupal Kumbhar** Assistant Professor and inaugurated by **Dr Rajin M. Linus**, Associate Professor & HOD of our department.



Fig. 27. Rangoli



Fig. 28. Debate



Fig. 29. Elocution



Fig. 30 Photography



Fig. 31. Sketching



Fig. 32. Poster Presentation



Fig. 33 Singing



Fig. 34. Dance



Fig. 35 Standup comedy

Our department organized inaugural function of the electrical engineering student association titled **Electrical Engineering Student Association (EESA)** on **11/09/2019**. Before the inauguration **Mr Varad R. Mangawe** was elected as **President**, **Ms. Shreya V. Moholkar** as the **ladies representative**, **Mr Sushant R. Bhagwat** and **Mr Pranav A. Gote** as Vice Presidents of EESA. On the same day, there was a special session of motivational lecture on **“Today’s Young Generation and Role of Teachers”** by **Dr. Shrikant S. Patil**, Assistant Teacher, Balwantrao Yadav High School, Peth Vadgaon, Dist: Kolhapur.



Fig. 36 Inauguration of EESA and Motivational Lecture

In our Electrical Engineering Department we have organized ‘**Engineers Day**’ and ‘**SGI Foundation Day**’ on **Sunday, 15th September 2019** under department association **EESA**. This event was conducted to motivate the hidden technical talents of Electrical Engineering students. The event was coordinated by **Mr. Sandeep S. Godhade** and **Mr. Sushant V. Patil** under the guidance of **HOD, Electrical Department**. The events are Group discussion and Paper Presentation.



Fig. 37 Group Discussion



Fig. 38. Paper Presentation

The winners details are as follows.



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Sl.No	Event Name	Name/Class/Div
1	Paper presentation	Winner: Shreyas Bilaskar TY BTech and Dhanjay Kulkarni SY BTech Runner Up : Mitali Shinde and Shruti Gaikwad BE Consolation: Sakib Naikwadi TE
2	Group Discussion	Winner: Radha Koli TE Runner up: Pratik Ubale TY Consolation: 1. Pratik Dharme BE 2. Pranil Patil BE

We have organized ‘Fresher’s Welcome Ceremony’ on Saturday, 28/09/ 2019. This event was conducted to welcome the newly admitted SY-Electrical Engineering Students of SGI & SGU. The event was coordinated by EESA President, Vice-Presidents Mr. Pranae and Ladies Reprehensive (LR) and EESA committee members under the guidance of **Mr. Sandeep S. Godhade, Mr. Sushant V. Patil**. Also Mr. & Mrs. Fresher’s are elected from SY class and these students are as follows:

Day/Date	Sr. No.	Title Name	Students Name
Saturday 28/09/2019	1	Mr. Fresher’s	1) MOTE GIRISH KIRAN 2) JAMADAR MOHAMMADFARHAN SADIK
	2	Mrs. Fresher’s	BHATMARE PRADNYA DEEPAK



Fig. 38. Fresher's Welcome Ceremony



Fig. 39. Students Participation in fresher's day



Fig. 40. Students and staff are enjoying the event

Dr Rajin M. Linus

Associate Professor and HOD,

Department of Electrical Engineering