

A Brief Report on SAHYOG-2023: An Industry-Institute Interaction Initiative by LDCE

Electrical Engineering Department started the annual event SAHYOG in the year 2021 with a vision to bridge the gap between industry and academia for betterment of technical education, research and development. Keeping up with the legacy, the department celebrated the third SAHYOG event on 16th September, 2023 between 3 to 5 PM. The department, with an aim to expand the horizons, prefers to rope in newer industries every year to the event. In line with this effort, invites to several leading industries were sent for the event.

The following dignitaries from various industries remained present at the event:

Sr. No.	Name of the Industry/ Organisation	Name of the Representative	Designation
1	ACDC Powercare Pvt. Ltd.	Mr. Dashrath Darji	Managing Director
2	Gayatri Control & Automation Pvt. Ltd	Mr. Jignesh Pandya	Managing Director
3	Ak Transcharger Pvt. Ltd	Mr. Ambrish K Pandya	Director
4	Jaydeep Agency Corporation	Mr. Dipak Pandya	Director
5	Maxgreen	Mr. Dhaivat Panchal Mr. Milan Dholariya Mr. Amit Shukla	Director Prod. Engineer Sr. R & D Engineer
6	Goodluck Power Solution	Mr. Chinmay Pandya	Director
7	Horizon Microtech Pvt. Ltd.	Mr. Kaumil Patel	Director
8	Tirex Transmission Pvt Ltd	Mr. Sanskar A Patel	Chairman
9	Matter	Mr. Aditya Kumar	VP- HR
10	Dynamic Control System	Mr. Rajesh Patel	Proprietor
11	IPR, Bhat	Ms. Supriya Nair	Head Power Systems Div., Sci. Officer G
12	Innotech Solar Pvt. Ltd.	Mr. Ashok Mulani	Director
13	Jalaram Enterprise	Mr. Nikhil Suthar	Director
14	Mahitri Technocracts PVT LTD	Mr. Rudradutt Raval	Joint Director
15	Inductotherm India Ltd.	Mr. Aditya Limbgaonkar	
16	EBUZZ Mobility LLP.	Mr. Jay Shah Mr. Shiv Shah	Proprietor
17	PRISM	Mr. Parthiv Kinariwala	Proprietor
18	UGVCL	Ms. Sunita Chhabaria	Deputy Engineer

In addition to the industry representatives, the meeting was attended by all the faculty members and student representatives from UG and PG programmes.

The agenda of the meet was:

- To discuss views and ideas to develop synergies between the industry and the institute in the area of Electrical Engineering
- Discuss opportunities for the students to carry out industrial visits, internships, project work
- Discuss criteria adopted by industries to test employability of graduates

- Explore the possibility of signing MoUs for cooperation for setting up sponsored/joint facilities, training and placement etc.
- Discuss scope for help to solve industrial problems through research, testing and consultancy services
- Invite suggestions of industry experts in curriculum design and check the possibility of further collaboration for course delivery and evaluation

Deep Pragatya and Prayer

- The meeting started with Deep Pragatya by the dignitaries followed by a prayer by the students. Prof. Dr. K. A. Bhatt took through the proceedings of the meeting.



Welcome Address

- Head of Department, Prof. Dr. K. P. Badgujar warmly welcomed all the industry representatives. He went on to emphasize the need for collaboration between industry and educational institutes to further strengthen industrial development of the nation. He expressed hope for active participation in the discussion by all the representatives and some fruitful outcomes from the event.
- Prof. Dr. M. C. Chudasama, in his speech welcomed all the invitees and shared how the past two years' events resulted into synergies between the department and industry. He expressed hopes

that this year too, the meet will bring the industry and institute closer. He ended his speech with best wishes to the team behind organization of the event.



Introduction to Activities in the Department

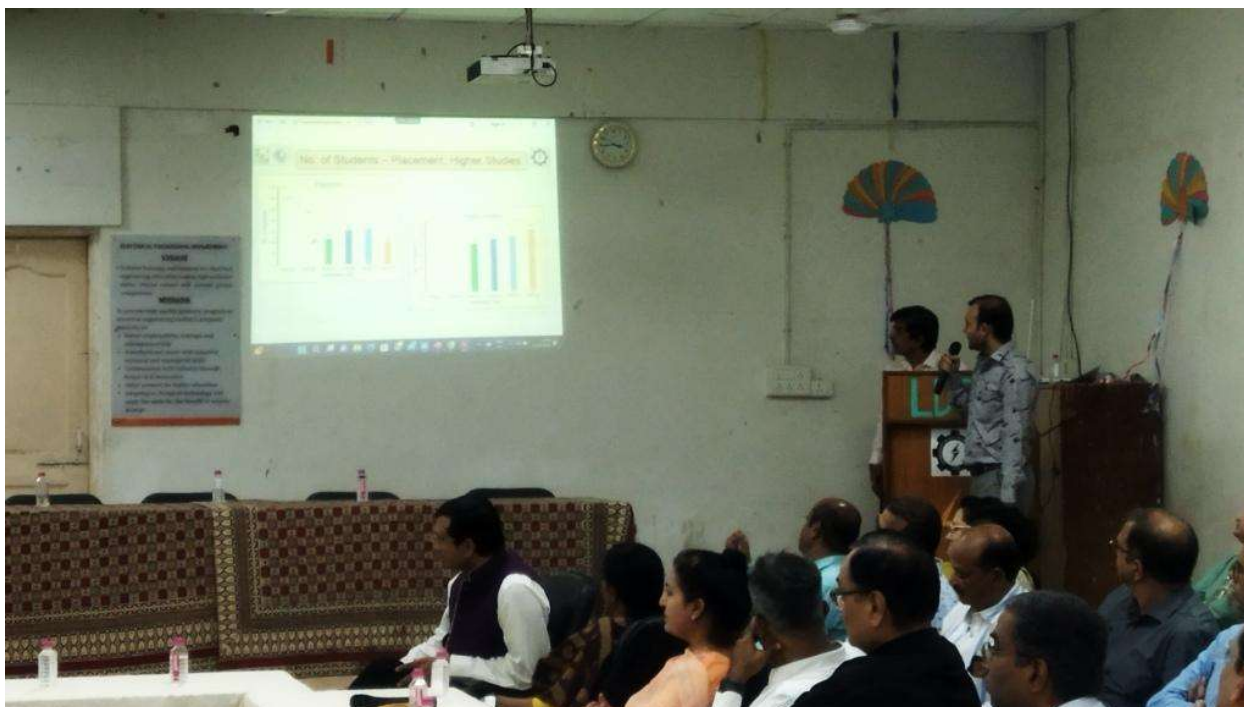
- Prof. N. V. Sinha, in her presentation informed the industry representatives about various activities that took place in the institute and department during past one year. She mentioned the concept of equity and inclusivity adopted by the institute and also informed about newly introduced UG and PG programmes and introduction of Honors/Minor courses in various disciplines. She mentioned about the PDDC programme for working professionals offered by the department.
- Prof. Sinha proudly presented the fact that the institute has been ranked among top institutes in various rankings such as GSIRF, ARIA. She also mentioned awards received by the institute and by the students of the department.
- She gave glimpses of Centre of Excellence, Research Projects, SSIP, Hackathon events, Alumni Contribution and Industrial Visits organized during past year.



- Prof. Dr. B. J. Shah presented the details of the Testing and Consultancy services offered by the department. He informed how the department helps industries through various testing and consultancy works.
- Prof. R. J. Patel presented the details of Summer Internship and Industrial Internships. She informed participants, how the SAHYOG event of year 2022 helped students secure internships and also pointed out that some of the students were successful in securing employment in the same industries after completion of their internship.



- Prof. M. I. Siddiqui gave a presentation on the placement activities during past year. He mentioned that the industry-institute linkage through events such as SAHYOG have resulted into placement of more and more students. He also presented the details of students opted for higher studies in India and abroad.



Open Session

- Prof. Dr. J. R. Iyer welcomed the guests and thanked them for attending the event. In her speech, she mentioned how the rapid pace of technological advancements has demanded for the need to train the students and make them employment-ready. She emphasized on the need for industry-institute collaboration to enhance productivity and efficiency. She mentioned that SAHYOG, the initiative started by the Electrical Department, is now organized at all the departments in the institute. She briefed the participants about the agenda of the meet and requested all present to actively participate.



- The open session resulted in an active discussion on different attributes expected from engineering graduates and the role of educational institutes and industries to prepare the students for employment and entrepreneurship. The key takeaways of the discussion are listed below.
 - (a) Ms. Sunita Chhabaria pointed out that instead of focusing on examinations only, students need to think about applying their knowledge for solution of industrial problems, research and development. They should keep themselves updated about newer challenges introduced by technological developments.
 - (b) Mr. Chinmay Pandya agreed to allow students to visit his industry.
 - (c) Mr. Kaumil Bhatt appreciated the efforts of the department to organize such event and advised to decide career goals in early years of graduation and start acting to achieve these goals. He also suggested that students should take maximum benefit of the opportunity to undergo internships in industries. He suggested revision of curriculum by the university at regular intervals, make the students familiar with modern software and multidisciplinary approach to solve problems. He reiterated his commitment to develop Switchgear and Protection Laboratory in the department.
 - (d) Mr. Vinten Diwakar mentioned the need for bilateral initiatives for industry institute interaction. He suggested to direct the energy of the young graduates to solve present and future challenges.
 - (e) Mr. Rajesh Patel congratulated Prof. Dr. J. R. Iyer for the initiative and stressed that young graduates should show courage and accept challenges for professional and personal growth.
 - (f) Mr. Dashrath Darji agreed to help students for internships. He also showed readiness to help in placement of graduates.





- (g) Mr. Amit Shukla advised the students to make the most out of online resources in addition to classroom learning.
- (h) Mr. Dhaivat Panchal suggested that the students should develop curiosity to know topics beyond curriculum and modern technical advancements. He suggested students to have clarity of career objectives and requested faculties to explain students about practical application of theoretical concepts.
- (i) Mr. Shiv Shah hoped to develop mutually beneficial collaboration with LDCE.
- (j) Mr. Rudradatt Raval suggested the students to explore the opportunities for entrepreneurship. He suggested to have an incubation center at the institute to support student startups. He was glad to know that one such incubation center by GTU is already shaping up in the institute premises.
- (k) Ms. Supriya Nayar from PRL, Ahmedabad expressed concerns about too much concentration of research efforts in the area of AI & ML and stressed on the need to focus on solving core engineering problems.
- (l) Mr. Sanskar Patel pointed out the need for lifelong learning.
- (m) Mr. Ashok Mulani drew attention to the new government policies to ensure sustainable development and advised students to focus on challenges posed by climate change and need for net zero emissions.
- (n) Mr. Parthiv Kinariwala welcomed students interested in measurement and testing to visit his premises. He also offered his expertise to Electrical Engineering Department to obtain NABL Accreditation in testing and consultancy laboratory.
- (o) Mr. Deepak Pandya advised the students to overcome the geographical boundaries and be open to any good opportunity without locational constraints. He agreed to accept students for internships.

Concluding Session

The open discussion was followed by a brief Q & A session wherein the student representatives raised few queries which were answered by industry experts.

The attendees were served light refreshments during the Q & A session. At the end, Prof. Dr. V. R. Patel delivered a vote of thanks. He thanked all the industry experts for sparing their precious time and valuable suggestions and hoped for continued support from the industry. He also thanked Prof. Dr. J. R. Iyer, faculties in the department and the student volunteers from UG and PG programmes for their relentless efforts to make the event successful. The invitees were gifted saplings of plants as a token of appreciation.

Summary of Outcomes of the Meet

- Total 21 industry representatives attended the meeting and gave their valuable inputs. All the participants collectively expressed a feeling that there is a growing need for the industries and educational institutes to collaborate, to meet the future challenges and more such events are needed to improve the industry-institute collaboration in the state.



- **Industry Expectations from the Institute:** As many as 14 industries present in the meet expressed in their feedback, the need for technical support in the form of expert lectures and workshops for skill development of their employees, shared infrastructure, and testing and consultancy from LDCE.

- **Industry Support to the Institute:** While 12 industries have agreed to accept students for Industrial Internships and Projects, 8 have agreed to sign MoUs for long term association with the department for industrial internships, visits and expert lectures. 6 industries have agreed to share their expertise in the form of expert lectures whereas 8 industries have invited the institute to arrange Industrial Visits for our students. 4 industries have shown readiness to be a part of Curriculum Design Process. 2 industries have agreed to contribute to development of laboratories in the department.

The Head of Department congratulated all the team members for successful organization of the event.