

**SILIZIUM**  
**Department of Electronics**  
**Annual Report 2019-20**

SILIZIUM, the official subject society of Department of Electronics, Deen Dayal Upadhyaya College is a forum that provides an avenue for different technological events such as workshops with hands on training, lecture series by eminent speakers and seminars. The main objective of the club is to provide the students with an opportunity to interact with professionals and experts from different fields and also enhance their knowhow on the latest trends in science and technology.

The society commenced its events for academic year 2019-2020 by organizing a **Student Induction Program** to facilitate the new batch of students (2018-19) towards their acclimatization in the new environment and build bonds with fellow students and faculty members. This year, the students of first year were taken to War Memorial, India Gate and National Science Centre, Pragati Maidan on **27th July 2019**. The underlying idea of choosing these places was to give an insight to the students about the rich heritage and glorious history of our country. The entire day was an amalgamation of patriotism and technology; bravery and stupendous designing; duty and dedication which not was only enthralling but irresistibly engaging.

- ❖ **The orientation programme** of the society was organized on **31<sup>st</sup> August at 10.00 a.m.** on an auspicious note with the lighting of the lamp of knowledge and wisdom by the invited Speaker and faculty members. The fresher's were familiarized with various realms of the society and its activities. The names of the student convener and the executives were announced. Mr. Rajan Mishra from B.Sc. (H) Electronics Vth semester was chosen as the President while Mr. Vipul (B.Sc. (H) Electronics III semester) as Secretary. The other representatives chosen were Ms. Sonam and Ms. Akanksha Shukla [B.Sc. (H) Electronics Vth semester]; Mr. Amit and Mr. Ritik [B.Sc. (H) Electronics III semester] and Mr. Naman and Ms. Payal from I semester.

The main highlight of the occasion was the **keynote lecture by Dr. Praveen Thakur, Additional Vice President, VNL**. He spoke on '**Mobile Communication Networks-Architecture, Protocols and Procedure**'. He elucidated the students about the progress of mobile communications from 1G towards 5G. He discussed in details about the protocols being followed in the present day and highlighted about the various challenges in Mobile Industry. It was an extremely informative session for one and all followed by an active interaction of the speaker with the students. The event culminated with a vote of thanks proposed by Dr. Ravinder Kaur, teacher-in-charge, Department of Electronics and convener of SILIZIUM,



- ❖ **September 5th, Teacher's day** was celebrated in a beautiful and thoughtful way by the students of Department of Electronics under the aegis of SLIZIUM. It was the Students' zeal and fervour towards the day that gave it the respect, the status and the deserving approbation every teacher rightfully deserves.

An initiative taken solely by the students, where the day was dotted with performances including songs and dances both classical and contemporary. Teachers were also involved in various interesting activities and they showed enthusiastic participation and played games like, passing the parcel as well as engaged in various fun impromptu tasks as planned by the students. The innovative ideas were not only paramount but they successfully strengthened the Guru-Shishya bond beyond the classroom setting. A day that truly gives the much deserved honour and respect to the teachers. All the teachers were overjoyed and thrilled by this overwhelming gesture by the students following which they arranged refreshments for the students. It was indeed a memorable day for all.

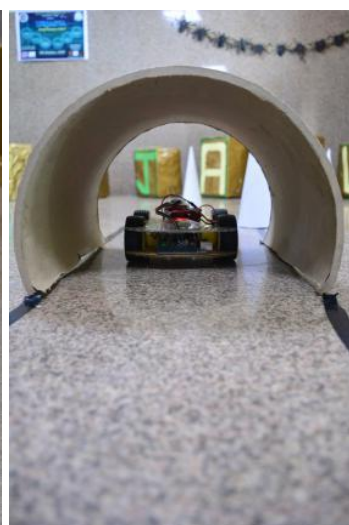
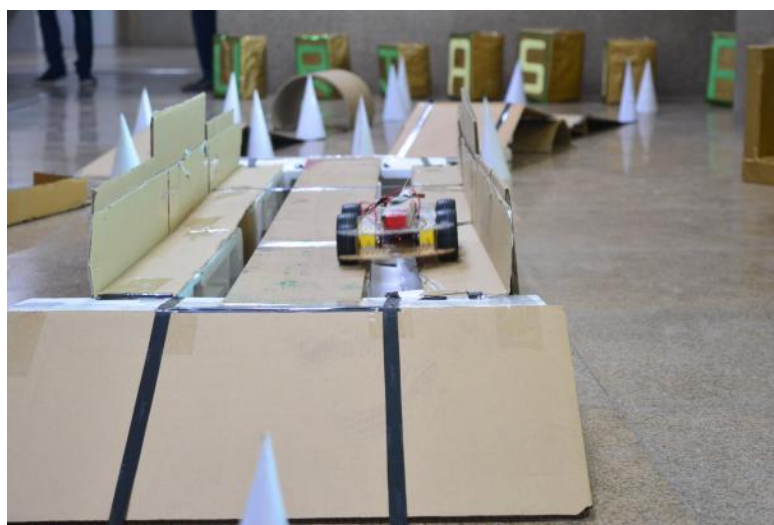
- ❖ For Electronics Graduates, Teaching-learning processes can be improved by integrating industrial exposure to the students in their curriculum. It is necessary to know the

requirements of the industries through Industry-Institute interaction to promote education and entrepreneurship. Keeping this in mind, an **industrial interaction programme** was organized by Department of Electronics under on **16th September 2019** under the aegis of “SILIZIUM”. The special highlight of the event was that our own Alumni were there to conduct the programme named ‘**Start with a dream, finish with the future**’. **Mr. Rahul Soni** (2012-15 batch), the Co-founder of ‘**Trydan Clean Tech Pvt. Ltd**’ was the first speaker and discussed about ‘**Charging stations and different kinds of power sources**’. He introduced the students to Entrepreneurship and its scope in Electric Mobility. The students were familiarized with three wheeler market segment and the battery types used in this segment. Briefing about different types of chargers and protocols required in Electric Field was also provided to the students. It was a very interactive session. This Presentation was followed by a detailed perspective about Software Companies by our second speaker, **Ms. Tanvi Sachdev**, **Sr. Software Engineer, Five 9, California, U.S.A**. She focussed mainly on different career options available for the students and how improving ones programming skills and knowledge of different software packages help the students getting good placements. She thus gave career counselling to the students and emphasized on defining their career goals and pursuing them with undeterred dedication and perseverance. The event was a great success where students not only had a know how about industrial requirements but they shared their different experiences with their alumni.





- ❖ **‘URJASVA’**, the **annual festival of the society** is a much sought after event by the students. This year it was organized on 4th October 2019. There were plethora of events planned by the students like The Electronics Quiz, The Project/Model Exhibition, the circuit Making Competition, The Debate Competition, The Online Poster Designing Competition and The Scientific Writing Competition. Each event consisted of innovative rounds which inculcated electronics in a manner which made learning fun. This programme witnessed more than 80 participants from other colleges and Universities. To name a few, the participants were from Keshav Mahavidyalya College (KMV), Zakir Husain College (ZHC), Acharya Narendra Dev College (ANDC), Rajdhani College, Bhaskaracharya College of Applied Sciences (BCAS) and Department of Electronic Sciences, UDSC. The event was an inordinate success.





- ❖ The next event of SILIZIUM Society was a **one day workshop on “Entrepreneurship and Electronic Mobility”** on **23rd October 2019**. It was a highly interactive program aimed at providing the participants with precise skills for pursuing their entrepreneur quest and building their own start-ups. The participants were also introduced to entrepreneurial opportunities in e-mobility. It was conducted by **EVI technologies** which is an IIT Delhi start up, extensively working in the field of electric mobility. It was a step towards making students think about creating jobs not only for themselves but others as well.







- ❖ To motivate the students for innovations and taking them to the level of getting patents, a **lecture** was organized on **"Patenting System in India"** on **Monday, 10th February, 2020** by Mr. Ranjan prakash, Assistant Controller of Patents and Designs, from IPO, Baudhik Sampada Bhawan, Ministry of Commerce and Industry(Govt. Of India). The talk was very informative and gave the students an understanding about how patents are given in India and worldwide. He also discussed about contemporary issues regarding patenting, including Apple v/s Samsung rivalry and even famous Edison v/s Tesla.



- ❖ As a curtain call of the academic year, a visit to Sanjay Van was organized on 13<sup>th</sup> February 2020. Going to one of the most thickly wooded areas of city's green lungs, the students were rejuvenated after a fruitful year of gaining knowledge in different arenas.

