ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

July 04, 2021

ADIOS: The Farewell for 2018-21 Batch

Timings: 3 pm onwards Venue: Google Meet



An online Farewell Party: ADIOS by SILIZIUM society was organized to bid adieu to our seniors. The events played were

- 1. Maja ya Saja A challenge/task was assigned to all the students and the chosen person had to ask his/her friend to perform the task that was given to him/her. If the participant did not perform the task then the selected person has to tell an amusing fact about that friend of his/her.
- **2. Hera Pheri** The Bollywood Dialogue Game Bollywood dialogues were given and the seniors had to deliver the same dialogue with different moods keeping their cameras on.
- 3. Playlet/Dramedy The chosen person had to do a mimickery of any of his/her friend.

Even though the event was online but students had a great time and enjoyed to the fullest. Mr. Farewell and Ms. Farewell were also chosen.

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Department of Electronics, under the Induction program - Deeksharambh for second and final year students organized two activities, one on July 19, 2021 and the second one from July 26 to August 01, 2021.

July 19, 2021 : Session on Emotional healing T by Adv. Priyamvada Srivastava

Life Coach. Let's Broach

An online Counseling session by Adv. Priyavada Srivastava, Life Coach, Let's Broach on "Emotional Healing Through Story Therapy", was organized via google meet on July 19, 2021

Advocate Priyamvada Srivastava is the founder of Let's Broach, a platform dedicated to emotional wellness of individuals. She is a practicing life coach, qualified cyber lawyer and a registered Advocate with the Delhi Bar Council.

A story covering complex emotions of life was narrated. It was a small story from the epic



Dr. Poonam Kasturi

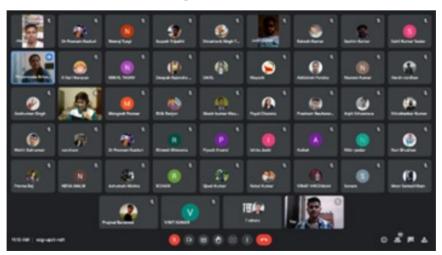
RAMAYANA, which was discussed from various other angles and perspectives to relate with. The focus was on preparing the audience to accept certain emotions and learn to handle those emotions: A process of self-healing that helps people become - and embrace being - an expert in their own lives.

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It was a very involving experience as the current pandemic situation has gripped us by negative experiences, thoughts, or emotions. Story therapy allows not only to find one's voice but also to use it for good, helping one to live in a way that reflects his/her goals and values.

The story session was followed by an analysis and interactive discussion with the audience. Students very actively participated in the session and asked their own concerns and worries in alignment with the emotion that was discussed.

Priyamvada firmly believes that when crafted correctly one's life is a story of opportunities and success. Her mantra for life is 3 C's i.e. Compassion, Care and Commitment



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July 26, 2021 to Aug 01, 2021: 7 days OFFLINE Hands-on Skill Enhancement Program "Prototype Development using AVR"

by: Ms. Sonam (Alumni) and Mr. Raghvendra (Final Year Student)

The second activity organized under the Deeksharambh Program for students of final year and second year by the Department of Electronics, under the aegis of DBT Star College Program, was a 7 days **Hands-on Skill Enhancement Program** on "**Prototype Development using AVR**". It was conducted in physical mode for 2 days followed by 5 days project work under the aegis of DBT Star College Program, Electronics during July 26, to August 01, 2021. The aim of the program was to provide a platform for the students' interaction with the alumni of the department. Ms Sonam (Alumni Batch 2017 – 2020) along with Mr Raghvendra Pratap Singh student of Final Year B.Sc. (H) Electronics conducted the workshop under the guidance of Dr. Poonam Kasturi and Ms. Neha. In all 15 students attended the workshop in physical mode.

This was also the second stage of the **7 days ONLINE National level Skill Enhancement Program** on "**Programming ATMega Microcontroller using ARDUINO IDE**" for Science Students held during December 02 -08, 2020 in which 150 students had participated and 31 were selected for the second stage. Due to the current prevailing situation of novel corona virus 19 (COVID19) outstation students could not attend the workshop.

In this seven-day workshop the students discussed the interfacing of different types of sensors such as ultrasonic sensor, IR sensor and BMP with ATmega328p Microcontroller and Prototype Development using AVR. These sensors were also interfaced via Bluetooth module with ATmega328p microcontroller. With the use of these sensors the projects developed by the students were

- 1. SMART CAR PARKING SYSTEM
- 2. PIANO
- 3. E.V.M.
- 4 EDGE DETECTOR CAR
- 5. Obstacle detection car
- 6. CALCULATOR
- 7. CONTACTLESS DOOR BELL
- 8. GESTUREAID NEURAL SPEECH BY FINGER GESTURE

All in all it was a great experience for the students as it broke the monotonicity of online work and they were very happy to do things with their own hands.



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Department Of Electronics
DEEN DAYAL UPADHAYAYA COLLEGE
UNIVERSITY OF DELHI

(Under the aegis of DBT Star College Program)
is organising

"7 Days Skill Enhancement Program"
on
"Prototype Development using AVR "

28 July to 01 August
Project Work

26 to 27 July
Hands on training
10:00 am to 5:00 pm

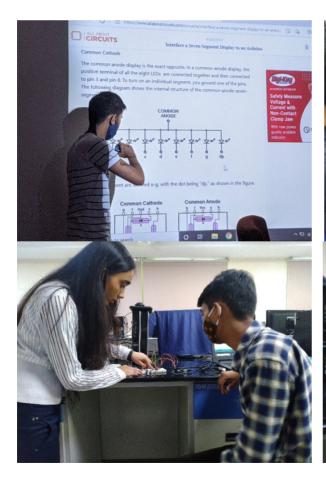
Let's learn with fun together
July 26,2021 - Aug 01,2021

Student
Co-Ordinator:
Sonam: 8375031844
Reghvendra: 82924879117

Convener: DBT Star College Program
(Electronics)
Teacher in Carpet, Department of Electronics

Prof. Hem Chand Jain
Deen Dayal Upadrhyaya
College

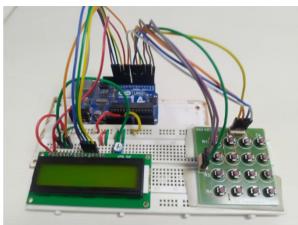
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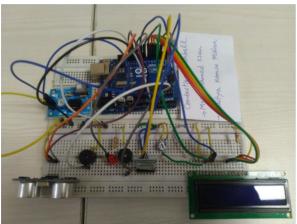


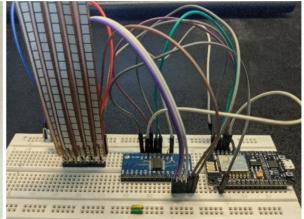


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September 21, 2021: A Walk with the Leaders: Into the World of PCB

by Mr. Vinit

Founder of PROSEM Technology India Pvt. Ltd.



A Webinar on "A walk with the leaders: Into the world of PCB" was organized by Department of Electroinics under the aegis of DBT Star College Scheme, Electronics on September 21, 2021. Mr Vinit, the recourse person had setup the Centre for Excellence of Beetel in Gurgaon for mass manufacturing of SMT based EPBTs (Electronic Push Button Telephones) in 1998. His journey continued with exciting opportunities and experiences while working with large organizations and finally, in 2001, he started his own company – PROSEM and became the exclusive representatives of Philips SMT equipment in India. PROSEM now has an entire range of equipment for the EMS industry from various suppliers. He had setup an EMS facility, FLEMS, in 2003 providing Electronics Manufacturing Services to over 100 customers in North India.

With this background the aim of the webinar was to explore the process of manufacturing PCB, advantages of SMD over Through Hole and the requirement of PCB manufacturer in electronics. Mr. Vinit gave students an overview of PCB market and manufacturing which is used in every field from tea vending machines to home office automation.

With a microcontroller as its heart, it creates several opportunities as well as challenging tasks. Automobile, Aerospace, Medical Instrumentation, Banking, Mining, Industry Automation, Personal Computing, Telecommunication, Space Research, Agriculture/Farming, Defense are a few applications. PCB manufacturers and wafer market is expected to grow by 60% by 2021 in India.

In this webinar Mr. Vinit kumar told about the various steps during the process of placing SMT components on PCB such as high speed high accuracy pick and place, automatic optical inspection, hot air convention reflow oven etc. He also explained about Force control on components placement , what is the impact of force on the PCB and component , Reflow soldering - to make chemical and mechanical joint between PCB and components termination and he also described LED industry specific equipment.

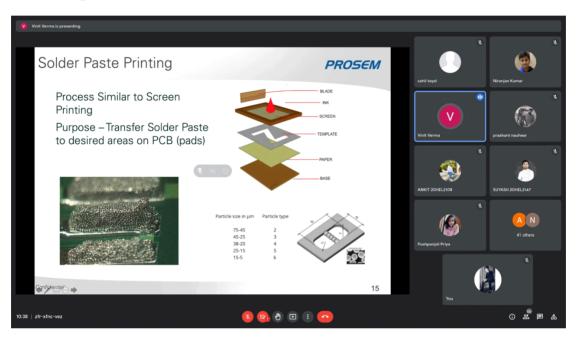
A total of 82 students participated in this webinar. The objective of the webinar was to bridge the gap

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between the industry requirements and college studies. It was a very detailed webinar. It was an Industry Oriented Training Program on A walk with the leaders: into the world of PCB. And indeed it was like walking through the PCB manufacturing industry while holding the hand of our mentor Mr. Vinit, who did take us on a virtual tour of the PCB manufacturing process.

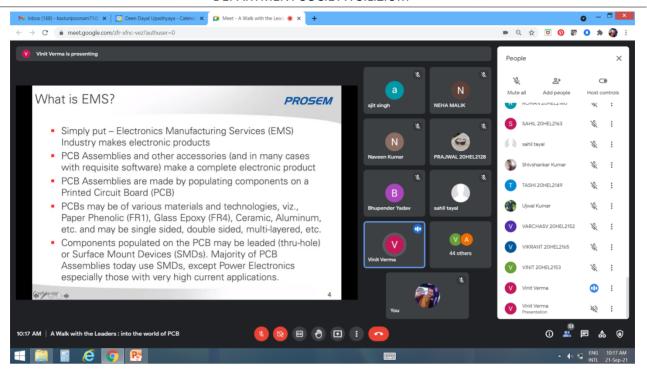
At last, students submitted their feedback wherein they expressed their willingness for many more such webinar in future. This webinar was convened by Dr. Poonam Kasturi and Prof. Manoj Saxena from Department of Electronics and event coordinators were Ms. Neha, Mr. Ajit Singh and Mr. Naveen Kumar.

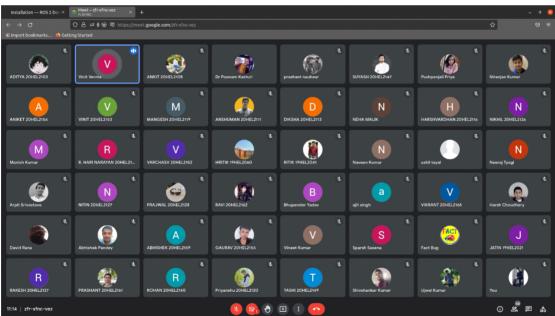
Some Glimpses of the Webinar





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73. 74. 75. 76.	Ujwal kumar Pushpanjali Priya Ankush Shekhawat Ritik Ranjan	B.Sc.(Hons.) Electronics, 5th sem vth Bsc(H) Electronics Bsc electronics hons (2nd year) B.Sc(Hons.) Electronics	Deen Dayal Upadhyaya College DDUC Deen Dayal Upadhyay College Deen dyal Upadhyaya college Deen Dayal Upadhyay College	19HEL2007 19HEL2052 19HEL2038 20HEL2109 19HEL2041	srivastavaarpit964@gmail.com ujwal10122002@gmail.com pushpanjaliritu99@gmail.com ankushshekhawat123@gmail.co m ritikranjan069@gmail.com
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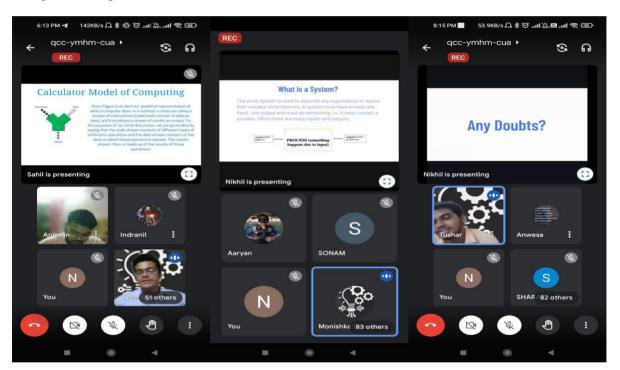
ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

September 25, 2021 - October 24, 2021: One month online workshop on

"ELECTRONICS WITH ALGORITHMIC THINKING FOR SYSTEM DESIGN : Robonetics" by **Tech Analogy**

The Department of Electronics under its Industry Academia Interaction and under the aegis of DBT, Star College Program, Electronics organized a one month training workshop "ELECTRONICS WITH ALGORITHMIC THINKING FOR SYSTEM DESIGN: ROBONETICS" in collaboration with Tech Analogy from September 25 onwards. TECH ANALOGY is an MSME company registered with UDYAM, Gov. of India, Ministry of Micro, Small and Medium Enterprises (Registration No.: UDYAM-GJ-01-0067829)

It was an online training with live sessions and project work. Live sessions were followed by quiz and doubt sessions. Daily assignments along with minor and major project work were carried out. Every alternate day was a revision cum doubt clearing session. The sessions were held in the evening from 6:00 pm to 8:00 pm.



The deliverables that our collaborator – "Tech Analogy" offered were-

- 3 levels of certification
- Opportunity to get Internship cum Training Certificate (with Tech Analogy)
- 4 minor projects/assignments & 2 major projects
- LOR (top performers)
- Internship opportunities (with our industry partners) to top performers
- Group activities & Doubt sessions
- Resume building session

Prof. Manoj Saxena and Dr. Poonam Kasturi were the convenors of the workshop and Ms. Neha, Mr Naveen and Mr Ajit extended their support in the smooth conduct of the workshop. There were 56 participants from our college including students and faculty.

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One of our student, Sharat Singh was selected for Internship at Tech Analog and appointed as a Mechatronics (Internet of Things) Intern. Further the student was also awarded with the certificate of Excellence as "Employee of the Month" for December 2021 at Tech Analogy.

	LIST OF PA	RTICIPANTS				
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16	Diksha Singh	diksha.20hel2113@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2113
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19	Gaurav Rajput	gaurav.20hel2155@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2155
20	Gauri Ghai	gaurighai@andc.du.ac.in	Acharya Narendra Dev College, University of Delhi	Department of Electronics	FACUL TY	
21	Harshvardha n singh tomar	Harshvardhan.20hel2116@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2116
22	ISHITA JOSHI	23.ashlove@gmail.com	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM II	20HEL2117
23	Ishpreet Singh	iseindiahelp@gmail.com	S.G.T.B KHALSA COLLEGE, University of Delhi	B.Sc.(H) Electronics	SEM III	2020ELE10 36
24	Jaskeerat Singh Bedi	jaskeeratbedi17@gmail.com	S.G.T.B KHALSA COLLEGE, University of Delhi	B.Sc.(H) Electronics	SEM III	2020ELE10 14
25	JATIN SINGH	jatin.20hel2156@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2156
26	Lalit kumar chauhan	lalit.20hel2118@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2118
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28	Manish Kumar	manish.20hel2120@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2120
29	Mayank	Mayank.20HEL2121@ddu.du.ac.i	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2121
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50	Shivansh Bhatnagar	shivansh.bhatnagar0@gmail.com	Acharya Narendra Dev College , University of Delhi	B.Sc.(H) Electronics	SEM III	AC-439
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53	Tashi Phunchok	phuntash6@gmail.com	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2149
54	Varchasv Gupta	varchasvgupta0808@gmail.com	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2152
55	VIKRANT YADAV	vikrant.20hel2165@ddu.du.ac.in	Deen Dayal Upadhyaya College, University of Delhi	B.Sc.(H) Electronics	SEM III	20HEL2165
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31/10/2021: ANNADANAM

Timing - 3:00 PM

Location - Near Nirmal Bharti School Sec. 14, Dwarka, Delhi

Food is one of the most basic and vital necessities of our life, yet most don't Our Vedas mention a shloka which means as follows "Annadānam, the fe superior to donating 1000 elephants and horses, donating 10 million cows, a vessels of silver and gold, donating the entire land till the sea, offering the ent which indeed is true. Giving is not just about donating. It's about making a dif

Keeping that in mind, "SILIZIUM" Departmental society of Electronics (I College), along with Helping Hut on the occasion of Diwali organized "Annac drive on October, 31 2021. We donated raw food materials of utmost neces chocolates for the little ones there.

ALL WE NEED IS YOUR SUPPORT TO MAKE THIS DRIVE SUCCESSFUL AND CREATE A GREAT IMPACT.

JOIN US in this drive!
For any query please feel free to





DEPARTMENT OF ELECTRONICS ACADEMIC YEAR 2021 – 2022

DEPARTMENT SOCIETY: SILIZIUM







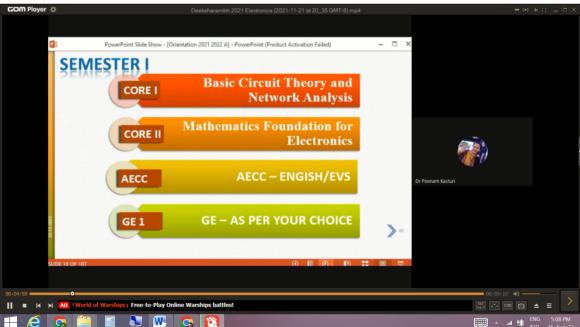


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November 22, 2021 : DEEKSHARAMBH 2021, ELECTRONICS

An online departmental orientation program was held on November 22, 2021. The students were introduced to their teachers. The course structure was explained to them. They were apprised of the kind of activities the departments organizes and also where all their seniors have participated in various competitions. They were also given an overall view of where all their seniors are placed. Around 60 students attended the session.





The week-long Deeksharambh activities included a **FRESHER'S WELCOME** on November 30, 2021, **SKILL ENHANCEMENT PROGRAM** from December 01 – 07 and an Alumni Interaction:

ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

IC: INTERACT & CONNECT SERIES 3: MY JOURNEY on December 04, 2021. All the activities were held online.

November 30, 2021: FRESHER'S WELCOME - "DEEKSHARAMBH 2021, ELECTRONICS"

As part of the Deeksharambh program 2021, an online interaction cum welcome event was organized for the new comers of the department. Four games were played as follows:

- 1. **The Brain Teaser and Gibberish Challenge** Sentences in broken language were said and the juniors had to guess the correct statement.
- 2. **Kaun Banega Fakirpati** It consisted of two rounds. Both rounds had multiple choice based questions. Top 5 of round one moved to the second round and thus a winner was decided.
- 3. **Guess The Movie** In this task pictures or emojis were shown to the juniors and they had to guess the name of the movie and respond in the chat box.
- 4. **Talent Hunt** Juniors showcased their talents like singing, dancing, stand-up comedy, etc.

It was a healthy interaction and it broke the ice between seniors and juniors.

December 01-07, 2021: Skill Induction Program - "DEEKSHARAMBH 2021, ELECTRONICS"

Online Workshop on Embedded Systems and ATmega Microcontroller based Arduino UNO by 6 Students of B.Sc. (H) Electronics II Year.

As the 2nd year students of Electronics Department, Deen Dayal Upadhyaya College, it is theirduty to pass on the knowledge and learnings to the upcoming batches as well as their batch and promote the Electronics Society by introducing everyone with the basic industrial knowledge required in this field. Keeping that in mind, a team of 6 students from Department of Electronics Deen Dayal Upadhyaya College, University of Delhi, under the aegis of DBT Star College Program, organized on Online Workshop on "Embedded Systems and ATmega Microcontroller based Arduino UNO" under the Deeksharambh 2021, Electronics schedule. The workshop content was divided into 7 sessions, where each session lasted approximately 1 and a half hour per day.



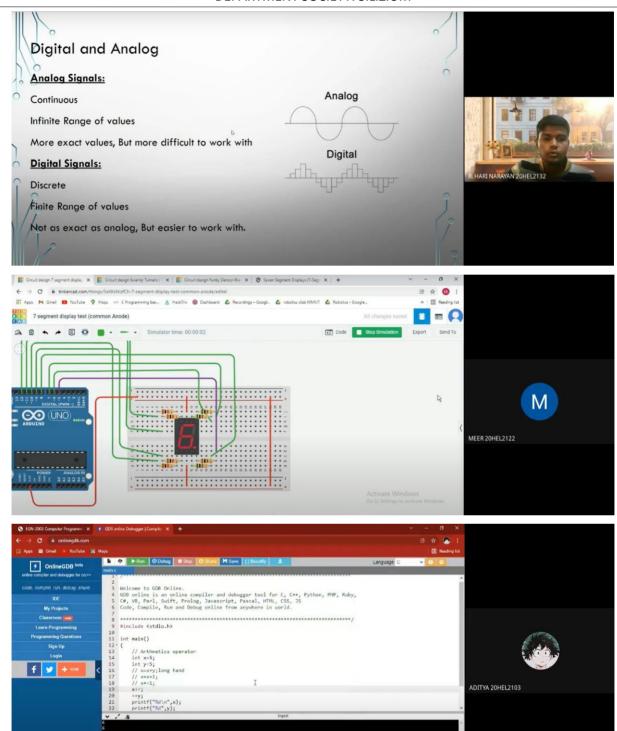
ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

Day 1 was an introductory session to Embedded Systems, Microcontrollers & Microprocessors and Arduino by Mr. Sharat Singhand Mr. R. Hari Narayan. On day 2 and 3 students were introduced to C Programming and all topics required for Arduino IDE like Syntax, Data Types, Operators, Functions and Loops were covered. These sessions were taken by Mr. Meer Samad Khan and Mr. Aditya Kumar Mishra. Day 4 introduced all students to TinkerCAD platform and brought various Digital Sensors like (IR) Infrared Sensor and HC-04 Ultrasonic Sensor. The introduction and interfacing were taught by Mr. R. Hari Narayan and Mr. Prashant Kumar Singh. Day 5 covered Liquid Crystal Display (LCD) and Seven Segment Display (SSD), both of which are digital interfaces, and were taught by Mr. Meer Samad Khan and Mr. Aditya Kumar Mishra. Analog Sensors like Light Decreasing Resistance (LDR), LM 35 Temperature Sensor were introduced along with Analog to Digital Conversion and Analog Theory on Day 6 by Mr. Anshuman Singh and Mr. Prashant Kumar Singh. Students were introduced to Pulse Width Modulation (PWM) and new components like Servo Motor and RGB were brought into scope and interfaced using PWM on Day 7 by Mr. Sharat Singh and Mr. Anshuman Singh. An additional doubt session of 2 hours was also conducted on Sunday in between Day 4 and Day 5. Quizzes and Assignments were given to all the participants after each session and a Final Project that summarized all the topics which were taught in the span of 7 days was assigned to the participants.

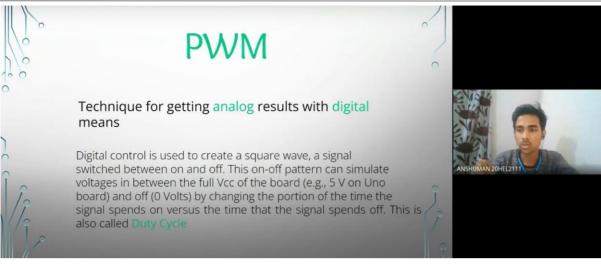
Around 55 students from different departments attended the workshop and the participants gained practical as well as theoretical knowledge. They also got an opportunity to create new simulations of working circuits on TinkerCAD platform.

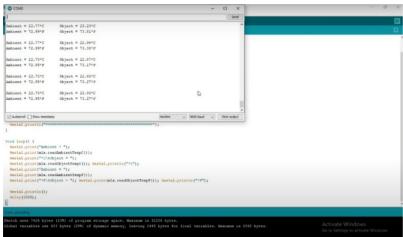
The workshop was successfully organized and executed under the able guidance of Dr. Poonam Kasturi (Teacher-in-Charge, Department of Electronics) and Prof. Manoj Saxena (DBT Star College Program, Coordinator). Ms. Neha extended her full support in the smooth conduct of the workshop.

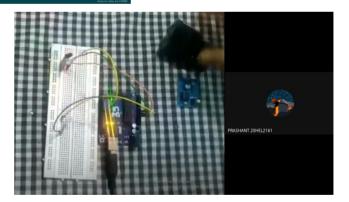




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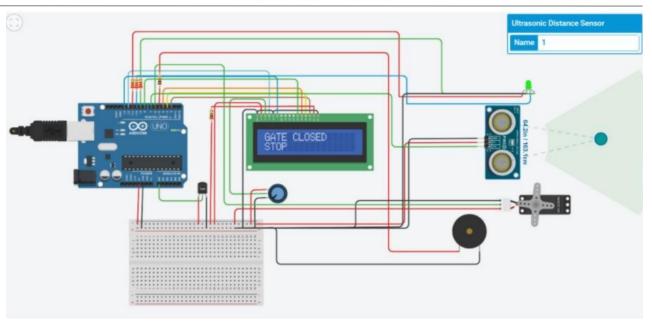




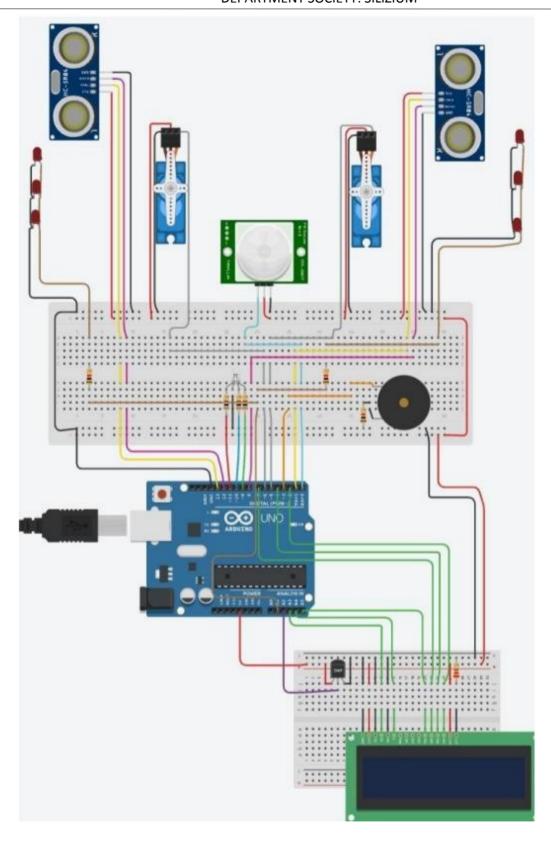
Some of the projects submitted by the participants:

SUBMISSION 1

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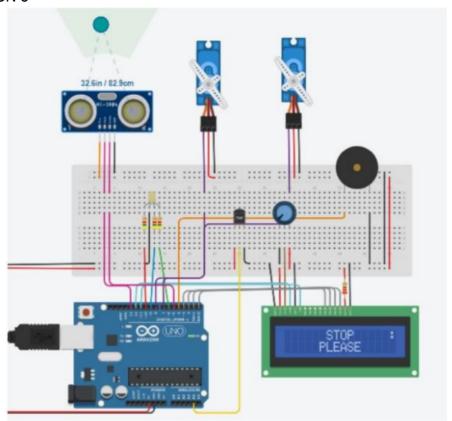


SUBMISSION 2



ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

SUBMISSION 3

















SKILL INDUCTION PROGRAM

UNDER THE AEGIS OF DBT STAR COLLEGE PROGRAM

STUDENT COORDINATORS













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DEPARTMENT SOCIETY: SILIZIUM























UNDER THE AEGIS OF DBT STAR COLLEGE PROGRAM





















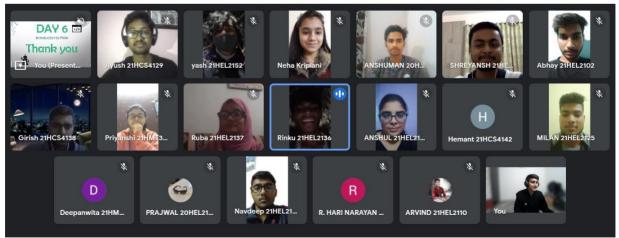












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ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

December 04, 2021: ALUMNI INTERACTION "DEEKSHARAMBH 2021, ELECTRONICS" "IC: INTERACT & CONNECT SERIES 3: MY JOURNEY"

Time: 10 AM IST Platform: Google Meet

"The contribution of alumni to our national life can be used to measure the success of any institution," said John F. Kennedy. Silizium, the Departmental Society of Electronics at Deen Dayal Upadhyaya College, organized its Electronics Department Alumni Interaction as "IC: Interact and Connect Series 3: My Journey" on December 04, 2021 via google meet. Five of our alumni students interacted with the present batch of students. Ms. Dimple Bhalla (Batch 2015 – 2018) is an Engineer Integration and Yield at Global Foundaries, Bangalore; Mr. Praveen Gond (Batch 2015 – 2018) is JRF at Defense Institute of Advanced Technology, Pune; Mr. Ankit Saini (Batch 2017 – 2020) is Software Developer, Wipro Technologies; Mr. Gaurav Rauthan (Batch 2017 – 2020) is Project Coordinator Wipro Technologies and Ms Nandini Kaushik (Batch 2017 – 2020) is Software Developer, Wipro Technologies. They all shared their valuable experience as well as the beautiful memories of their stay in the college. They emphasized on up-skilling one's knowledge as one enjoys the unforgettable days of college life.



ACADEMIC YEAR 2021 – 2022
DEPARTMENT SOCIETY: SUITIVE



As said by Francis of Assisi - "For it is in giving tha occasion of Christmas, *SILIZIUM* - Departmental *Helping Hut NGO* organized a *CHARITY CARN Sulahakul Mandir Park, Opposite NSUT, Dwarka. Seve and competitions were organized for the kids. The even celebrate Christmas together



Helping Hut 🔇



Charity Carnival

SPONSORED BY SILIZIUM (DEPARTMENT OF ELECTRONICS,
DDIIC, UNIVERSITY OF DELHI)

Date : 25 December 2021 Time : 11 AM to 5 PM Venue : Sulahkul Mandir Park(Near NSUT) Dwarka

> For further queries: Please Contact Annie: 9971912415 Swarnima: 7827892202



ACADEMIC YEAR 2021 – 2022

DEPARTMENT SOCIETY: SILIZIUM

March 02 – 16, 2022: COLLECTION DRIVE



All the proceedings will be donated to underprivileged children in dwarka.

JOIN US:



Donate here:



Teacher Coordinator Officiating Principal

Dr. Poonam Kastoori Prof. Hemchand Jain

For Queries Contact: Kamal: 8307575580 Aditya: 9318442147





ACADEMIC YEAR 2021 – 2022 DEPARTMENT SOCIETY: SILIZIUM

24 April 2022: "FAREWELL CUM ALUMNI MEET 2022"

Silizium, The Departmental Society of Electronics, seized this occasion to bid our current batch of 2022 seniors an auspicious farewell after a protracted and exhausting hiatus caused by the spread of COVID 19.

At 10 a.m., we greeted all of our seniors and college alumni with a TILAKA. Then, our Department Head, Prof. Anurag Mishra, welcomed all of our guests with loving words of wisdom.

Later in the day, Diksha, our second-year student, performed a solo dance performance that really set thetone for the entire audience.

Then, to make this event even more engaging, we organised many games and activities, such as Prop Dance, Guess the Song, and Ramp Walk, which truly aided us in making this event exciting and fun.

Then, with the assistance of their expertise, a few of our college alumni, such as Dr. Sachin Gupta Batch of 1999 and Deepak Singh Batch of 2019, shared their amazing college memories with all of the students and also guided us for the approaching job opportunities. In all more than 25 of our alumni joined us and shared their memorable moments with us. They all felt nostalgic. Seniors from batches before 2016 were mesmerized with the current infrastructure and labs.

Arvind, our first-year student, did a solo singing performance that covered the full college life of a student from beginners to farewell, which made ouraudience quite emotional.

At the conclusion of all activities, a few of our seniors from the final year batch came on stage to mark their words and thank all of their teachers and classmates for their memorable journey, after which we decided our Mr. Farewell and Ms. Farewell, Rahul and Kavita, respectively, based on the performance of all of our seniors in the games and activities.

This formally marked the end of this unforgettable occasion, which was followed by numerous photo andselfie sessions, which have all been saved as lovely college memories by all.

A few glimpses of the event :-











