



Sarvajnik Education Society

**Sarvajnik College of Engineering & Technology
Computer Engineering Department**



A Report on Interaction with Alumni

Organized by

Computer Engineering Department

Coordinated by

Prof. Bintu Kadhiwala

Prof. Jaydeep Barad

Prof. Vasundhara Uchhula

(SCETAA Representatives, Computer Engineering Department)

Alumni

Er. Nirmitt Patel

On

9th January, 2019

The Computer Engineering Department of SCET had organized a session on “**Applications of RFID and Autonomous Driving Car**” for BE Pre Final year students on **9th January, 2019** under the banner of “**Share What I Gain**” initiated by **SCET Alumni Association**. Around 150 students of Computer Engineering Department along with 3 faculties attended this session. The talk was started with a formal introduction of the speaker by **Prof. Jaydeep Barad** followed by felicitation by **Prof. Bintu Kadhiwala**.

Objectives of the talk:

- To make the students familiar with the new trends and emerging technologies in RFID.
- To explain the various applications of the RFID technology.
- To give students an introduction to the AI algorithms involved in self-driving cars.
- To list out the recent developments in Advanced Driving Assistance Systems (ADAS).
- To guide students on to how to prepare for interview at top MNCs like Google, Amazon, Facebook, etc.
- To make students aware regarding the different career prospects after graduation.

About the Alumni:

The brief profile of the speaker is as follows:

Graduation: Bachelor in Computer Engineering (SCET - Graduation: 2014)

Post-graduation (Pursuing): Auburn University, Alabama

Current Positions:

- Software engineer in RFID lab
- Algorithms engineer in Artificial Intelligence lab

Area of Interest: Artificial Intelligence

Work Experience:

- Infosys Limited for 2 years on banking product
- Currently rewarded by Facebook under the Bug Bounty Program for finding the Bug in Facebook Messenger

Highlights of the interaction:

Nirmit started the talk with an introduction to the RFID technology and what has been achieved till now in this domain. Then he showed students few interesting applications of this technology

that if implemented on large scale would really increase the efficiency of any organization. Then he explained the fundamentals of this technology and explained the basic 2 types of tags – active and passive tags. The following are some areas where RFID has found its applications:

- Credit/Debit cards
- Passports
- Human Implant

Nirmit in the latter half of the session explained the profound power of AI (Artificial Intelligence) and how any organization/individual can harness this power and leverage it. He explained the algorithms used in **Self Driving cars** and showed the students a literature survey done on **Driver Assistance System**. He then focused the talk on **Advanced Driving Assistance Systems (ADASs)** and the developments that had been done in this domain including his work in **Driver Inattention Monitoring Systems (DIMS)**. He then told the students about the *Kaggle State Farm challenge*. He has been working with his team on this challenge as a sub problem of their “*Inference Algorithm Research and development task*”.

Nirmit then, in context to university application process, also explained in depth, the extent to which each aspect of the applicant’s profile matters, how the different aspects influence each other, and how they are used in conjunction to arrive at a final decision. He also tried to clear some of the common fallacies about the admissions process and highlighted pitfalls that should be avoided by applicants.

All in all, it was a very riveting talk and we received very good feedbacks about the speaker and the contents of the talk. Some of the feedbacks are listed below:

“The talk was very informative and I was fascinated by the new applications of RFID”

“Got to know the algorithms used in the self-driving cars. Can’t wait to dig deep and learn more about it”

“I have attended all the talks till now which were a part of Share What I gain Series and have always learnt a lot from these talks as you get to learn about new technologies and domains and it also help you stay relevant in your field.”

Some glimpses of the interaction:



Attendance Sheet :

Sarvajanik College of Engineering and Technology
COMPUTER ENGINEERING DEPARTMENT

Share What I Gain series Expert Talk
on

Date : 9/1/19 Delivered By : Abhishek Jariwala, Nismit Patel

Attendance Sheet

Sr.No.	Enrollment no.	Name	Class	Shift	Sign
				(I or II)	
1	160420107001	AGARWAL MUSKAN RAMAVTAR	BE-III	I	Muskan
2	160420107002	AKBARI DARSHIT DINESHBHAI	BE-III	I	Darshit
3	160420107003	AMUL JAGDISH LUNIYA	BE-III	I	Amul
4	160420107004	BHAGWAKAR PRIYA PARESHBHAI	BE-III	I	P.P. Bhagwakar
5	160420107005	BHATIA SAGAR SATISH	BE-III	I	Sagar
6	160420107007	CHAUDHARI PAYAL ASHISHBHAI	BE-III	I	Payal
7	160420107009	CHAVDA ABHISHEK MAHESHBHAI	BE-III	I	Abhishek
8	160420107010	DALAL DHWANI MAYANK	BE-III	I	Dhwani
9	160420107011	DESAI JHANVI SANJAYSINH	BE-III	I	J. S. Desai
10	160420107012	DESAI MEHA VIJAYBHAI	BE-III	I	Meha
11	160420107013	DESAI TARJANI ASHISHKUMAR	BE-III	I	Tarjani
12	160420107014	ESHA BHARTI	BE-III	I	Esha
13	160420107016	GANDHI AAYUSHI RASHESH	BE-III	I	Aayushi
14	160420107017	GANDHI AYUSHI HEMANTKUMAR	BE-III	I	Ayushi
15	160420107018	GANDHI DEEP JITESH	BE-III	I	Deep
16	160420107019	GANDHI KRISHNA TARPANBHAI	BE-III	I	Krishna
17	160420107020	JARIWALA KOMAL JITEN-DRAKUMAR	BE-III	I	Komal
18	160420107021	JETANI KRISHABEN MAHENDRAKUMAR	BE-III	I	Krishaben
19	160420107022	KAPADIA VIDHI PRAKASHKUMAR	BE-III	I	Vidhi
20	160420107023	KHUNT TEJASKUMAR RAMESHBHAI	BE-III	I	Tejas

21	160420107024	KOMAL PUNGALIA	BE-III	I	<u>Komal</u>
22	160420107025	KORAVIYA ANKITKUMAR KE-TANBHAI	BE-III	I	
23	160420107026	KULDEEP DESAI	BE-III	I	<u>Kuldeep</u>
24	160420107027	LAD DHARMESH HEMANTKUMAR	BE-III	I	<u>D.H.Lad</u>
25	160420107028	MANE SHIVANI ARUNBHAI	BE-III	I	<u>Mane</u>
26	160420107029	MORAWALA DHAVAL RAJUBHAI	BE-III	I	
27	160420107030	MULCHANDANI NIKHIL VEDKUMAR	BE-III	I	
28	160420107031	NAVADIYA KEVAL SURESHBHAI	BE-III	I	<u>NK</u>
29	160420107032	NORONHA OLSON ROSARIO	BE-III	I	<u>Noronha</u>
30	160420107033	PARMAR HIMANI DHARMEN-DRABHAI	BE-III	I	<u>Parma</u>
31	160420107034	PATEL BHARGAVI MUKESHKUMAR	BE-III	I	<u>Bhargavi</u>
32	160420107035	DIRGH PATEL	BE-III	I	<u>Dirgh</u>
33	160420107036	PATEL HELI NITEENBHAI	BE-III	I	<u>Patel</u>
34	160420107037	PATEL HONEY AKSHAYKUMAR	BE-III	I	<u>Honey</u>
35	160420107038	PATEL ISHA DIPESHBHAI	BE-III	I	<u>Isha</u>
36	160420107039	PATEL JAHNAVI NILESHBHAI	BE-III	I	<u>Patel</u>
37	160420107040	PATEL KHUSHBOO ATULBHAI	BE-III	I	<u>Kush</u>
38	160420107041	PATEL PRASHANT ISHWARBHAI	BE-III	I	
39	160420107042	PATEL SMITKUMAR MAHEN-DRABHAI	BE-III	I	<u>Smit</u>
40	160420107043	PATEL YASH DINESHBHAI	BE-III	I	
41	160420107044	RATHOD RUCHITKUMAR PIYUSHBHAI	BE-III	I	
42	160420107045	RJIYA DARSHILKUMAR KAN-JIBHAI	BE-III	I	<u>Rishi</u>
43	160420107046	ROY PARTH DINESHBHAI	BE-III	I	<u>Part</u>
44	160420107048	SAURAB MAHESHWARI	BE-III	I	<u>Saurab</u>
45	160420107049	SAVANI DIVYESH LALLUBHAI	BE-III	I	<u>Divyesh</u>
46	160420107050	SHAH DHARUVI MANISH	BE-III	I	
47	160420107051	SHAH JAINAM DIMPALBHAI	BE-III	I	<u>J.D.Shah</u>
48	160420107052	SHAH ROMA BIRENKUMAR	BE-III	I	<u>Roma</u>
49	160420107053	SHEKHALIYA PARTH MANA-SUKHBHAI	BE-III	I	<u>Isht</u>
50	160420107054	SHREYA BOHRA	BE-III	I	
51	160420107055	SHYAM KHOKHARIYA	BE-III	I	
52	160420107056	SINGH RANU PRADEEP	BE-III	I	<u>Ranu</u>

53	160420107057	SUTARWALA VAIDEHI JIGNESH	BE-III	I	Vaidehi
54	160420107058	TANDLEKAR ALAUKIK SUNIL	BE-III	I	Alaukik
55	160420107059	VAGHASIA TIRTH RITESHKUMAR	BE-III	I	
56	160420107060	VAKIL BONSI AMITKUMAR	BE-III	I	Bonsi
57	160420107061	VIVEKKUMAR SANEPARA	BE-III	I	Vivek
58	160420107064	FERNANDO DIMUTHU CHALINI	BE-III	I	Fernando
59	160420107065	SURVAKANTI MANDAL	BE-III	I	Surva
60	160420107068	MR. RANKO DITIRO	BE-III	I	Ranko
61	160420107069	MS. SYADA SARA ENAM ROJA	BE-III	I	Sara
62	160420107070	SAVALIYA KUNJAL RAMESHBHAI	BE-III	I	Kunal
63	170423107001	BATTIWALA RONAL RAKESHBHAI	BE-III	I	
64	170423107002	CHAUDHARI HAIMESHKUMAR MAHESHBHAI	BE-III	I	Haimesh
65	170423107003	GAMIT POOJA CHETANBHAI	BE-III	I	
66	170423107004	GANDHI KRINAL VIMALKUMAR	BE-III	I	
67	170423107005	BORADE JIVANTIKA SANGRAMSING	BE-III	I	J Borade
68	170423107006	KHUNT JEMISHA BHARATBHAI	BE-III	I	Jemisha
69	170423107007	MIRZA NILOFARBANU FARUK	BE-III	I	Nilo
70	170423107008	MODI AERIKA MANISHKUMAR	BE-III	I	A. m. modi
71	170423107009	PANCHAL KRISHNABEN BHUPENDRABHAI	BE-III	I	K. Panchal
72	170423107010	PATEL DIVYAKUMARI ASHOKBHAI	BE-III	I	Divya
73	170423107011	PATEL SHRUTIKUMARI CHHAGANLAL	BE-III	I	Shrutika
74	170423107012	PATEL SONALIKUMARI RAJESHBHAI	BE-III	I	Sonali
75	170423107013	RAUT NEHA ARUNBHAI	BE-III	I	Neha
76	170423107014	SOLANKI NISHA ANILBHAI	BE-III	I	Nisha
77	170423107015	SONI JHANVI PRADEEP	BE-III	I	Jhanvi
78	160424107001	BHAISHA AYUSH CHETAN	BE-III	I	Ayush

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Sr.No.	Enrollment no.	Name	Class	Shift (I or II)	Sign
1	160420107501	AAYUSHI PAREKH	BE-III	II	<u>Parekh</u>
2	160420107502	AGARWAL HARSHIT PRAHLAD	BE-III	II	<u>Agarwal</u>
3	160420107503	AKSHIT JIGNESH SHAH	BE-III	II	<u>A.J. Shah</u>
4	160420107504	BHADANI DHAVAL KALUBHAI	BE-III	II	<u>Dhaval</u>
5	160420107505	CHAMPANERIA ISHA RAKESHKUMAR	BE-III	II	<u>Isha R.C.</u>
6	160420107506	CHEVLI PRATIK MANISHKUMAR	BE-III	II	<u>Pratik</u>
7	160420107507	DALAL MANAN UDAY	BE-III	II	<u>Manan</u>
8	160420107508	DARJI ABHAY HASMUKHBHAI	BE-III	II	<u>Abhay</u>
9	160420107509	DQBARIYA KEVAL JAY-SUKHBHAI	BE-III	II	<u>Keval</u>
10	160420107510	DOSHI ADIT DEVEN	BE-III	II	<u>Adit</u>
11	160420107511	FRENY JARIWALA	BE-III	II	<u>Freny</u>
12	160420107512	GABANI VEDANT JAGDISHBHAI	BE-III	II	<u>V.J. Gabani</u>
13	160420107514	GAURAV DEVENDRA JARIWALA	BE-III	II	<u>Gaurav</u>
14	160420107515	GOHIL PRATIKBHAI NARESHBHAI	BE-III	II	<u>Pratik</u>
15	160420107517	HOGADE MEGHA KISHAN	BE-III	II	<u>Megha</u>
16	160420107518	JADHAV VRAJ BHAVESH	BE-III	II	<u>Vraj</u>
17	160420107519	JAIN SHREYA PAVANKUMAR	BE-III	II	<u>S.P. Jain</u>
18	160420107520	JANVI RAMANI	BE-III	II	<u>Janvi</u>
19	160420107521	JARIWALA DEVANG AJAY	BE-III	II	<u>Devang</u>

20	160420107522	JARIWALA HARSH PRAKASHCHANDRA	BE-III	II	
21	160420107523	JAUTHIK KALATHIYA	BE-III	II	<i>Kalathiya</i>
22	160420107524	JIVANI SMITKUMAR ARVIN- DBHAI	BE-III	II	<i>Smit</i>
23	160420107525	JOBANPUTRA VISHAL ASHISH	BE-III	II	<i>Joban</i>
24	160420107526	JOSHI NANDINI ANIL	BE-III	II	<i>Nandini</i>
25	160420107527	KACHHADIYA MAHESHWARI JANAKBHAI	BE-III	II	<i>Maheshwari</i>
26	160420107528	KALATHIYA ARCHITA PAR- BATBHAI	BE-III	II	<i>Kalathiya</i>
27	160420107529	KAPADIA HONEY HEMAN- TKUMAR	BE-III	II	<i>Kapadia</i>
28	160420107530	KAPADIA MUSKAN PRASHANTKUMAR	BE-III	II	<i>Muskan</i>
29	160420107531	KAPADIA SHAILEE AMIT	BE-III	II	<i>Kapadia</i>
30	160420107532	KATARIYA NIKHIL MANOJB- HAI	BE-III	II	<i>Katariya</i>
31	160420107533	MALI MOHITKUMAR DHARMESHKUMAR	BE-III	II	<i>Mali</i>
32	160420107535	MIYANI PARTH ISHWARBHAI	BE-III	II	<i>Parth</i>
33	160420107536	MODI JENISH RAKESHKU- MAR	BE-III	II	<i>Jenish Modi</i>
34	160420107537	MODI RAJ PRAKASHKUMAR	BE-III	II	<i>Modi</i>
35	160420107539	MORE GAURAV JITENDRA	BE-III	II	<i>More</i>
36	160420107540	NEHA ASHISHKUMAR DADARWALA	BE-III	II	<i>Neha</i>
37	160420107541	PACHCHIGAR VRAJ HITESHKUMAR	BE-III	II	<i>Ve</i>
38	160420107542	PAREKH PANKTI ROHITBHAI	BE-III	II	<i>Pankti</i>
39	160420107543	PASTAGIA AAYUSHI HIREN	BE-III	II	<i>Aayushi</i>
40	160420107544	PATEL APEXABEN MAHESHB- HAI	BE-III	II	<i>Apeksha</i>
41	160420107545	PATEL DHARIT BALVANTRAI	BE-III	II	<i>B.D. Patel</i>
42	160420107546	PATEL HELLY CHHAGANBHAI	BE-III	II	<i>Helly</i>
43	160420107547	PATEL NEHA PARESHBHAI	BE-III	II	<i>Neha</i>
44	160420107548	PATEL RIKIN PINESHKUMAR	BE-III	II	<i>Rik Patel</i>
45	160420107550	PUWAR MAHITOSHSINH MAHIPATSINH	BE-III	II	<i>Ma</i>
46	160420107551	RATHOD JIGAR JAGDISHBHAI	BE-III	II	<i>Vinod</i>
47	160420107552	SANJEET GAJJAR	BE-III	II	<i>Sanjay</i>

48	160420107553	SATASIYA BRIJESHKUMAR SHAHILESHBHAI	BE-III	II	<i>(Signature)</i>
49	160420107554	SHAH KENY JIGNESH	BE-III	II	<i>(Signature)</i>
50	160420107555	SHAH MALAV PARESHBHAI	BE-III	II	
51	160420107556	SHAH POOJAN KUNJAL	BE-III	II	<i>Poojan Shah</i>
52	160420107557	SHAH SHREEYA CHIRAG	BE-III	II	<i>(Signature)</i>
53	160420107558	SHETA JAIMI MAHESHBHAI	BE-III	II	<i>(Signature)</i>
54	160420107559	SONANI JAY BHAGVANBHAI	BE-III	II	<i>J.B. Sonani</i>
55	160420107560	SUKHADIA EWANI BHARATBHAI	BE-III	II	<i>(Signature)</i>
56	160420107561	TAILOR ANIKET ASHVINKUMAR	BE-III	II	<i>(Signature)</i>
57	160420107562	TALATI HARDIK HITESH	BE-III	II	<i>(Signature)</i>
58	160420107563	VAGHASIYA VIVEK ISHWARLAL	BE-III	II	<i>(Signature)</i>
59	160427107001	ADITYA JAIN	BE-III	II	<i>Aditya</i>
60	170423107501	GOHIL AKANSHA ASHISH	BE-III	II	<i>(Signature)</i>
61	170423107502	BHENSADADIYA PARTHKUMAR UPENDRABHAI	BE-III	II	<i>(Signature)</i>
62	170423107503	GOHIL AAYUSHI GAURANGBHAI	BE-III	II	<i>Aayushi</i>
63	170423107504	JAIN YASH MUKESHBHAI	BE-III	II	<i>Yash</i>
64	170423107505	KANSARA NEHA ASHOKKUMAR	BE-III	II	<i>Neha</i>
65	170423107506	KEVADIYA RAVI RAMESHBHAI	BE-III	II	<i>Ravi</i>
66	170423107507	MISTRY JAY THAKORBHAI	BE-III	II	<i>Jay</i>
67	170423107508	MODI DEVANSHI MANISHKUMAR	BE-III	II	<i>D.M. Modi</i>
68	170423107509	MORE MONALI SAMPATBHAI	BE-III	II	<i>Monali</i>
69	170423107510	NANAVATI TWINKLE HITESHKUMAR	BE-III	II	<i>Twinkle</i>
70	170423107511	PATEL HEMANGI HASMUKHBHAI	BE-III	II	<i>Hemangi</i>
71	170423107513	TIWARI YASH DEVENDRABHAI	BE-III	II	<i>Yash</i>
72	170423107514	VEDCHHAWALA BHAVIK NILESHKUMAR	BE-III	II	<i>(Signature)</i>

Compiled by: Prof. Bintu Kadhiwala and Prof. Jaydeep Barad
Drafted by: Vishal Jobanputra, CO (Shift-2 student)