

Sarvajanik Education Society  
**Sarvajanik College of Engineering & Technology, Surat**  
(Affiliated to the Gujarat Technological University, Chandkheda, Ahmedabad)



A report on  
**PROJECT SHOWCASE**

at the

**FACULTY OF COMPUTER ENGINEERING**

(under the banner of CSI student chapter)

For academic projects carried out by the students

of

**B.E. 4<sup>th</sup> Year Computer (Semester – VIII)**

on

**30/03/2019 (Saturday)**

Prof. Bintu Kadhiwala  
Prof. Jayesh Chaudhary  
**(Project Showcase Coordinators)**

Prof.(Dr.) Keyur Rana  
**(HOD, Computer Engineering Department)**

Dr. Vaishali B. Mungurwadi  
**(Principal, Faculty of Engineering)**

# 1. Background

Computer Engineering Department students are making the working projects as a part of curriculum of their final year study. The project definitions are user defined or Industry defined. The problem statement of **UDP** (User Defined Project) is decided by the students group members under the guidance of the faculty guide whereas problem statement of **IDP** (Industry Defined Project) is given by the industry guide in consultation with the faculty guide. There are total **36 student project groups** from both the shifts. The selected major areas for these projects are

Android + (IoT or NLP) - 13 groups

AI + IoT - 9 groups

Augmented Reality + IoT - 3 groups

Data Mining + NLP - 2 groups

Image Processing and Virtual Reality - 3 groups

Other themes - 6 groups

# 2. List of displayed projects

Group No.	Enrollment No	Name	Title	Guide
1_S1	150420107001	AGARWAL MEGHA NIRMALKUMAR	SmAR	Dr. Keyur Rana
	150420107008	CHAUHAN MAITRY KAMLESHKUMAR		
	150420107019	HUNNY VANKAWALA		
	150420107031	MANGAL MAHIMA BAJRANG		
	150420107060	TULSIANI JAYA HIRANAND		
2_S1	150420107033	MAVANI KENIL BHUPATBHAI	Digilyceum	Dr. Dipali Kasat
	150420107042	PATEL KAVANKUMAR JAYESHBHAI		
	150420107037	PANWALA YASH ATULKUMAR		
	150420107002	BALDHA VAMAN RAMESHBHAI		
3_S1	150420107030	MAHIMA KUNHIRAMAN	Crime Reporting and Safety	Prof. Urmi Desai
	160423107006	KHATRI DHRUVI RAJESHKUMAR		
	160423107008	PRAJAPATI MIHIRKUMAR KIRAN		
	160423107012	SURATI HEENA DHIRAJBHAI		
4_S1	150420107058	SNEHI PACHCHIGAR	Grapholearning	Dr. Dipali Kasat
	150420107020	ISHANI NAIK		
	150420107035	MOTORWALA ABDULKADER MOHAMMED		
	150420107055	SAKPAL SAGARKUMAR JAYESHBHAI		

Group No.	Enrollment No	Name	Title	Guide
5_S1	150420107043	PATEL KENILKUMAR MAHESHKUMAR	AR Based Smart Home	Prof. Jaydeep Gheewala
	150420107038	PAREKH SAHIL PRAFULBHAI		
	150420107012	PATEL DEEPKUMAR DINESHBHAI		
	150420107052	RATHOD VADIT HEMANTBHAI		
6_S1	150420107009	CHUDAWALA JEET HIREN	VR Library	Prof. Jaydeep Barad
	150420107057	SIMRAN KAUR DARAD		
	150420107059	SURTI REMINGTON SANJAY		
	150420107063	VISHAL ARVIND BAJAJ		
7_S1	150420107003	CHABHADIYA JEMISHABEN PRAVINBHAI	Anaviewer	Prof. Vasundhara Uchchula
	150420107011	DEBLEENA MONDAL		
	150420107029	LAKHANI PRIYA RAJESHBHAI		
	150420107062	VAMA ASHOK PATEL		
8_S1	160423107007	PRAJAPATI DHAVALKUMAR DIPAKBHAI	Real Time Student Practical Performance monitoring System	Prof. Snehal Gandhi
	150420107044	PATEL KEVIL VIMALBHAI		
	150420107045	PATEL TEJASKUMAR PARESHBHAI		
	150420107064	MITHLAISH WAZIR		
9_S1	150420107056	SAVALIYA KRISHNA SHIVABHAI	Hook Keep	Prof. Fagun Vankawala
	160423107003	GANDHI MUKTI NEMISHBHAI		
	160423107004	GANDHI POOJABEN DHIRENKUMAR		
	160423107010	SHAH HETSI NILESHKUMAR		
10_S1	150420107004	CHAUDHARI BRIJALBEN KISHORBHAI	Smart Touch Mirror	Prof. Bhumika Bhatt
	150420107005	CHAUDHARI HIMALI RAMESHBHAI		
	150420107015	DHANANI NIDHI HITESHBHAI		
	150420107053	RATHOD RIYABEN VINODBHAI		
11_S1	150420107054	FRUITWALA SAHIL HIMANSHU	Education Assistant	Prof. Dhatri Pandya
	150420107024	KANERIYA RUCHITA ARVINDBHAI		
	150420107034	MISTRY KUSHANG ARUNBHAI		
	150420107047	JAIN PIYUSH PRADEEP		
12_S1	150420107014	DHANANI JAY JIVRAJBHAI	Smaetric Outleter	Prof. Bhumika Bhatt
	150420107023	KANANI PRATIK ASHOKBHAI		
	150420107051	RATHOD POOJA MAHESHBHAI		
	150420107061	VAGHASIYA NEHA GITESHBHAI		
13_S1	150420107022	JASOLIYA RUSHITKUMAR PRAGJIBHAI	WeaRoX - Let Cloth's decide your move	Prof. Jaydeep Gheewala
	150420107017	GAIKWAD FORAM PRASHANT		
	150420107025	KAPADIA UNNATI SANJAY		
	150420107027	KUKADIYA NIKULKUMAR POPATBHAI		

Group No.	Enrollment No	Name	Title	Guide
14_S1	150420107046	PATEL ZALAK JAYANTIBHAI	"Prosthetic Eye " - An Assistant to Visually Impaired	Prof. Jayesh Chaudhary
	150420107016	DUDHWALA URJA ASHOKKUMAR		
	150420107036	NAKRANI KRUPXA BHARATBHAI		
	150420107048	PRAYOSHA J PARMAR		
15_S1	160423107001	BIJLANI KAJAL VINODBHAI	Driving Security	Prof. Fagun Vankawala
	160423107005	KALSARIYA ANJALIBEN HITESHKUMAR		
	160423107011	SHAH NISHI HITESHKUMAR		
	150420107039	PARMAR ASHISH SAVAJIBHAI		
16_S1	150420107018	GAMBHA CHIRAG JAYESHKUMAR	Canteen Management System using QR Code	Prof. Urmi Desai
	150420107065	FAHIM SHAHRIAR		
	150420107021	JADAV HIMALI MUKESH		
	150420107026	PATEL KRUPABEN NITINBHAI		
17_S1	150420107049	CHAUHAN RAJ BHUPENDRABHAI	IoT based Health Monitoring System	Prof. Dhatri Pandya
	150420107028	KUNJAN PANKAJKUMAR RANA		
	150420107040	PARSANA YASHKUMAR ASHOKBHAI		
	150420107050	RANGOONWALA AISHWARYA HITESHKUMAR		
18_S1	160423107009	SAMEEP DESAI	Artificial Taste Simulator(7th Sem) Tuberculosis detection system (8th Sem)	Dr. Mayuri Mehta
	150420107013	DESAI HARIN RAJENDRA		
	150420107010	DARSHIL J DHANANI		
	150420107041	PATEL DEEPKUMAR JIGNESHBHAI		
1_S2	150420107520	KALATHIYA YASH PANKAJBHAI	Readers & Writers Expo ( RAWEX)	Prof. Vandana Joshi
	150420107541	RAMANI NIRAV DINESHBHAI		
	150420107542	RANJIT PATEL		
	150420107546	SHAH TIRTH SANJAYBHAI		
	150420107552	SUVAGIYA HARSHKUMAR SHANTILAL		
2_S2	150420107540	RAJARAMWALA YASHKUMAR PRADEEPKUMAR	Energy Audit using IoT	Prof. Rachana Oza
	160423107503	GANDHI JANVI HARISHKUMAR		
	160423107504	GANDHI MOHIT DIPENKUMAR		
	160423107510	PATEL URVI RAJESHBHAI		
3_S2	150420107510	GARIMA CHANDAK	IVM ( Intelligent Visitor's Management )	Prof. Rakesh Patel
	150420107511	GIRIJA PERIWAL		
	150420107527	NIDHI DHANDHARIA		
	150420107554	GHARIA TIRTHA KIRITSINH		
4_S2	150420107528	PAL DISHANT SANTOSH	Game Based on Artificial Intelligence	Prof. Jaydeep Barad
	150420107539	RAJ MANISH BHAI BAROT		
	150420107556	UMAR MALAM		
	150420107560	VIRANI KEYURKUMAR BHARATBHAI		

Group No.	Enrollment No	Name	Title	Guide
5_S2	150420107524	MEHTA VISHESH JAGRAT	SmartDeal	Prof. Bintu Kadhiwala
	150420107534	PATEL DIVYAKUMAR CHETAN		
	150420107537	PATEL TEJAS PRAVINBHAI		
	160423107505	GHARIWALA MOHIT AJAYKUMAR		
6_S2	160423107506	KHAN AAISHA ZOHAI	E-Election	Prof. Rakesh Patel
	160423107507	PARMAR FALGUNIBEN ISHWARBHAI		
	160423107508	PARMAR NILAMBEN PARSOTTAMBHAI		
	150420107502	AVAIYA JAY RAMESHBHAI		
7_S2	150420107547	SHIVANI ANIL SHARMA	Face Detection using Multitask Learning	Prof. Nirali Nanavati
	150420107559	VIJAY RAJ		
	150424107001	VEDIK DAVE		
	160423107501	BHESANIYA AHMED GULAM RABBANI		
8_S2	150420107506	CONTRACTOR SHIVANGI YOGESH	HARMOSADHNA-Learn ,Practice & Test Harmonium	Prof. Vasundhara Uchchula
	150420107532	PATEL AVANI BHARAT		
	150420107533	PATEL DISHA SAILESHKUMAR		
	150420107536	PATEL RINKAL UTTAMBHAI		
9_S2	150420107516	JARIWALA PRASHANT RAJESHKUMAR	AI Enabled personal media player with remote	Prof. Bintu Kadhiwala
	150420107517	JARIWALA PRAYAG AJITKUMAR		
	150420107525	MISTRY HENIL KIRANKUMAR		
	150420107529	PANCHAL RAJAN DILIPBHAI		
10_S2	150420107523	MADHVANI SHAILAJABEN DINESHBHAI	Quick-Help	Prof. Bhavesh Patel
	150420107545	SAVANI MILANKUMAR RAMESHBHAI		
	150420107551	SUTARIYA VISHALKUMAR SURESHBHAI		
	160423107513	SUTARIYA MANALI KISHORBHAI		
11_S2	150420107507	DHWANI SACHWANI	Let's Roam - A Personalized Travel Planner	Prof. Nirali Nanavati
	150420107508	MOHNANI DIKSHA TARACHAND		
	150420107550	SOURABH GARG		
	160423107512	SAVANI MAITRI VALLABHBHAI		
12_S2	150420107501	ASODARIYA TUSHAR SAVAJIBHAI	SUJALAM' - IoT Enabled Water Contamination Monitoring and Detection using AI	Prof. Jayesh Chaudhary
	150420107522	LATHIYA HARDIKKUMAR PRAVINBHAI		
	150420107530	PANSURIYA HIREN GOBARBHAI		
	150420107531	PARGHI RENISH ANANTRAY		
13_S2	150420107553	THAKKAR RUSHABH MANISHKUMAR	Reckless Driving Control Box	Dr. Pariza Kamboj
	150420107512	GOHIL KEVIN JITENDRASINH		
	150420107518	KAKADIYA PRUTHVIK HEMANTBHAI		
	140420107531	MEGHA PARMAR		
14_S2	150420107509	DIYORA PRIT NARESHKUMAR	PRECSTO	Prof. Bhavesh Patel
	160423107502	CHINAIWALA MANSI MANISH		
	160423107509	PATEL DHWANI KALPESHBHAI		
	160423107511	RADADIYA KRUSHIBEN KANUBHAI		

Group No.	Enrollment No	Name	Title	Guide
15_S2	150420107515	JARIWALA MISHAL HEMISHKUMAR	I-Map ( Intelligent Pothole , Spead Breaker Detection & RAR )	Prof. Vandana Joshi
	150420107503	BABARIYA DIPEN MANOJ		
	150420107521	KHATWANI JAY PRAKASHCHANDRA		
	150420107555	SHAH UMANG MIKIR		
16_S2	150420107558	VIBHAKAR SEJAL NITINKUMAR	FarmAssist	Prof. Rachana Oza
	150420107513	DESAI HARSH NIRODKUMAR		
	150420107526	SHAH MOKSHA PRASHANT		
	150420107514	JARIWALA KARTIK SHAILESHKUMAR		
17_S2	150420107519	KALATHIYA MANTHAN KALUBHAI	Library Navigation Bot	Prof. Snehal Gandhi
	150420107543	RATHOD ABHIJEET UMEDSINH		
	150420107549	SORATHIYA VIRANG RAMESHBHAI		
	150420107557	VAGHELA ABHIJEET ANILBHAI		
18_S2	150420107504	BOKARVADIYA BEENA ARVINDBHAI	Heart Attack Detection based on Heart rate monitoring	Dr. Mayuri Mehta
	150420107535	PATEL FENILKUMAR BHARATBHAI		
	150420107538	RABARI ROMIL JITENDRA		
	150420107548	SHRUTI RAMANI		

### 3. Glimpses of the event









## 4. Project Showcase - Jury Panels

For the project showcase, evaluation by the following jury members is carried out:

### Jury Panel 1



**Mr. Tejesh Patel**

Chief Technical Officer at Strategic Alliance  
Infotech Inc., Canada



**Mr. Jigar Patel**

Assistant Engineer (Computer) at Surat Municipal  
Corporation (Information Systems Department)

### Jury Panel 2



**Mr. Sanjay Panchbhaya**

AGM - IT and Digital Officer at L&T Special  
Steels and Heavy Forgings



**Mr. Alok Zhaveri**

Partner - Mvix India, Founder - Sun Software

## 5. Project Showcase - Result

Criteria for project evaluation is as per given below (out of total 50 marks): **Novelty** – 10 Marks, **Implementation** – 10 Marks, **Usability in the society** – 10 Marks, **Presentation** – 10 Marks, **Ques/Ans** – 10 Marks. The **Project Showcase result** individually for both shift classes is as follows:

### Best Projects in BE – IV , CO Shift – 1, 8<sup>th</sup> semester

Sr. No.	Winner Position	Project Title	Student Team
1.	First Prize	Grapholearning (Project ID on PMMS – 52986)	SNEHI PACHCHIGAR (150420107058)
			ISHANI NAIK (150420107020)
			MOTORWALA ABDULKADER MOHAMMED (150420107035)
			SAKPAL SAGARKUMAR JAYESHBHAI (150420107055)
2.	Second Prize	AR Based Smart Home (Project ID on PMMS – 35798)	PATEL KENILKUMAR MAHESHKUMAR (150420107043)
			PAREKH SAHIL PRAFULBHAI (150420107038)
			PATEL DEEPKUMAR DINESHBHAI (150420107012)
			RATHOD VADIT HEMANTBHAI SHASHIKANT (150420107052)
3.	Third Prize	Education Assistant (Project ID on PMMS – 52918)	FRUITWALA SAHIL HIMANSHU (150420107054)
			KANERIYA RUCHITA ARVINDBHAI (150420107024)
			MISTRY KUSHANG ARUNBHAI (150420107034)
			JAIN PIYUSH PRADEEP (150420107047)

## **Best Projects in BE – IV , CO Shift – 2, 8<sup>th</sup> semester**

<b>Sr. No.</b>	<b>Winner Position</b>	<b>Project Title</b>	<b>Student Team</b>
1.	First Prize	I-Map (Intelligent Pothole , Spead Breaker Detection & RAR)  (Project ID on PMMS – 51098)	JARIWALA MISHAL HEMISHKUMAR (150420107515)
			BABARIYA DIPEN MANOJ (150420107503)
			KHATWANI JAY PRAKASHCHANDRA (150420107521)
			SHAH UMANG MIKIR (150420107555)
2.	Second Prize	Face Detection using Multitask Learning  (Project ID on PMMS – 48391)	SHIVANI ANIL SHARMA (150420107547)
			VIJAY RAJ (150420107559)
			VEDIK DAVE (150424107001)
			BHESANIYA AHMED GULAM RABBANI (160423107501)
3.	Third Prize	Reckless Driving Control Box  (Project ID on PMMS – 58582)	THAKKAR RUSHABH MANISHKUMAR (150420107553)
			GOHIL KEVIN JITENDRASINH (150420107512)
			KAKADIYA PRUTHVIK HEMANTBHAI (150420107518)
			MEGHA PARMAR (140420107531)

## 6. Feedback from participating students

The feedback received from the students who participated in the showcase are as follows:

- The feedback and suggestions that we got from the jury really helped us to ameliorate our current understanding of the domain.
- We got an insight on how we can scale the project and make me it more industry ready.
- We learned how to work as a team. The faculty was very supportive throughout our project duration.
- The showcase was a very good learning experience as we got to interact with experienced professionals from the IT industry.
- We learnt what it takes to build an app, how much security is needed to build a web application. We learnt the process of how to streamline our ideas into canvases needed from the project.
- The suggestions given by the jury will surely help us to move in the right direction going forward.

## 7. Feedback from visiting students

The feedback received from the students who visited the showcase are as follows:

- A great learning experience, really enamored by the projects. And came to know about the current technologies scenarios and things we need to start learning.
- Interaction with seniors was a valuable experience and they were modest while explaining their projects.
- It exposed us with real-life problems which were solved using these projects.
- It is helpful for our up-coming future projects.
- It helped us to recognize what is needed in the industry and how we should prepare ourselves according to it.
- Very much user-friendly, innovative thinking. Good explanation. Hard work is literally visible.

## 8. Acknowledgements

The **Project Showcase - 2019** team of **Computer Engineering Department** would like to acknowledge,

- **Managing trustees and office bearers of the Sarvajanik Education Society**
- Dr. Vaishali Mungurwadi, **Principal**, SCET
- Prof.(Dr.) Keyur Rana, **HOD**, Computer Engineering Department, SCET
- **Industry Experts** – Mr. Jigar Patel, Mr. Tejesh Patel, Mr. Alok Zhaveri, Mr. Sanjay Panchbhaya
- **CSI Student chapter** for the support
- **Student Volunteers** - Vishal Jobanputra, Mahitoshsinh Puwar, Jay Mistry, Sanjeet Gajjar, Urmi Pathak, Yashvi Malu, Rohan Patel, Saloni Mahatama, Priyank Bardolia
- **One and all** for their direct or indirect support

**Compiled by : Prof. Bintu Kadhiwala [Computer Engineering Department]**