



SARVAJANIK EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY
DR. R.K. DESAI MARG, OPP. MISSION HOSPITAL, ATHWALINES,
SURAT -395001

KSHITIJ-2018

DEPARTMENT
OF
ELECTRICAL ENGINEERING
A
REPORT ON

URJA-2K18



Sarvajani college of Engineering & Technology (SCET) is being one of the Institutes of the biggest Philanthropic Society of the Country has a strong base of values and commitments to create a progressive civilization. SCET located in the heart of the city presently enrolls more than 2000 students in various disciplines of Engineering and MCA where-in we run 9 UG courses and 6 PG courses. All UG and PG courses are affiliated to Gujarat Technological University (GTU), Chandkheda.

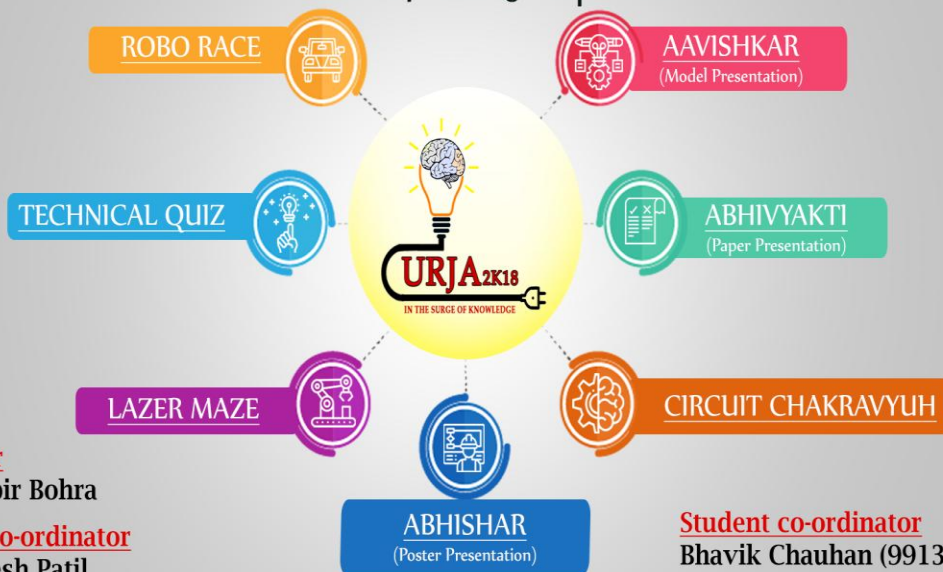
Every year, SCET organize “**KSHITIJ**” the state level technical event under the banner of Student Activity and Welfare Council (SAWC) of the institute. It provides platform for students to come out with their technical skills what they have learnt in classes. Under “**KSHITIJ**” platform, the Electrical Engineering Department is organizing “**URJA-2K18**”, where various technical & non-technical electrical engineering related events are arranged for all branches. More than 1000 students have done participation in the various events. Also, we have received the overwhelming response of the other institute’s students from south zone. The following details show the name of department level coordinator, overall student coordinator, department faculty event coordinator, event-wise volunteers/event head, number of participants and winners of the events.



Sarvajanik Education Society
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
 DEPARTMENT OF ELECTRICAL ENGINEERING ORGANIZES



DATE : 14th and 15th Sept. 2018



Convener

Dr. Shabbir Bohra

Faculty co-ordinator

Dr. Kalpesh Patil

Prof. Hemin Motiwala

Student co-ordinator

Bhavik Chauhan (9913042988)

Kunal Patel (7600059445)

Sandeep Rudra (9601903160)

Convener

Sr. No.	Name
1.	Dr. Shabbir Bohra

Department Co-ordinator

Sr. No.	Name
1.	Dr. Kalpesh Patil
2.	Prof. Hemin Motiwala

Student Co-ordinator

Sr. No.	Name	Year & Sem
1.	Bhavik Chauhan	4 th Year, Sem 7 th (Morning Shift)
2.	Kunal D. Patel	4 th Year, Sem 7 th (Evening Shift)
3.	Sandeep Rudra	4 th Year, Sem 7 th (Evening Shift)



Event-1 (Aavishkar) (Model Presentation)

Event Description

In this event, students team (Max. 4) has participated with their innovative hardware model. This model was evaluated by the jury members and best three ideas were being declared as winners. The total 18 teams (60 students) have participated in this event. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Aavishkar.

Event Team		
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Krishna Dhekar	BE-4 th Sem-7 th (Evening Shift)
2	Divyesh Sanchaniya	BE-4 th Sem-7 th (Morning Shift)
Volunteer		
Sr. No.	Name	Year & Sem
1	Piyush Dobariya	BE-4 th Sem-7 th (Morning Shift)
2	Patil Nirav	BE-2 nd Sem-3 rd (Evening Shift)
3	Parth Mistry	BE-3 rd Sem-5 th (Evening Shift)

No. of Participants

Prequalifying Round Participants	NA
Round 1	18 Teams Participation (60 Participants)

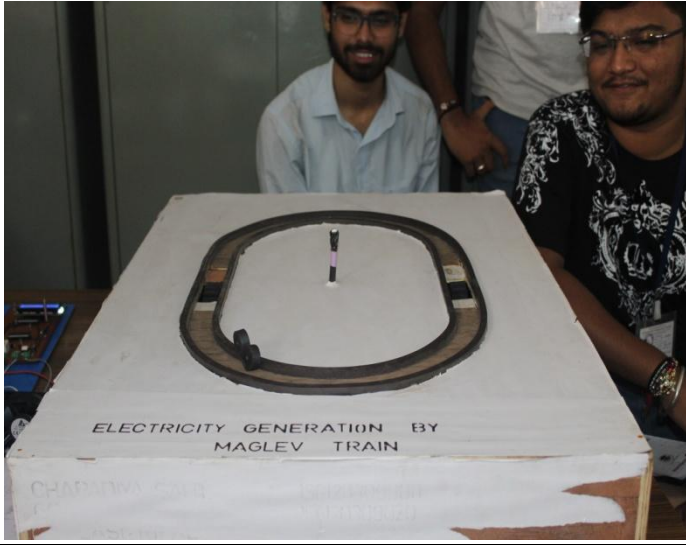
Total 18 teams have to explain their innovative idea against the juries. The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Dr. Shabbir Bohra
2	Prof. Rajesh Prasad

List of Winners

Sr. No.	Name	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Italiya Nevil 2. Vavadiya Urvish 3. Pankhi Mansi 4. Nemlawala Yoganshi 5. Patel Tithi	Electrical	Year-2 nd , Sem- 3 rd	SCET	1 st	500
2	1. Vaiwala Rahul	Electrical	Year-4 th , Sem- 7 th	SCET	2 nd	300
3	1. Mistry Jeet 2. Patel Naishedh	Electrical	Year-2 nd , Sem- 3 rd	SCET	3 rd	200



Event-2 (Abhishar) (Poster Presentation)

Event Description

In this event, students team (Max. 2) has participated with their innovative technical posters. The poster explanation has to be made against the jury members by the individual team with proper justification with their innovative idea. The best three teams were selected by the jury members according to evaluation criteria specified. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Poster Presentation.

Event Team		
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Shivam Vyas	BE-4 th Sem-7 th (Evening Shift)
2	Jil Gandhi	BE-4 th Sem-7 th (Evening Shift)
Volunteer		
Sr. No.	Name	Year & Sem
1	Rahul Gupta	BE-4 th Sem-7 th (Evening Shift)
2	Kushal Vyas	BE-3 rd Sem-5 th (Morning Shift)
3	Riddhi Paneriya	BE-3 rd Sem-5 th (Morning Shift)

No. of Participants

Prequalifying Round Participants	NA
Round 1	09 Teams Participation (16 Participants)

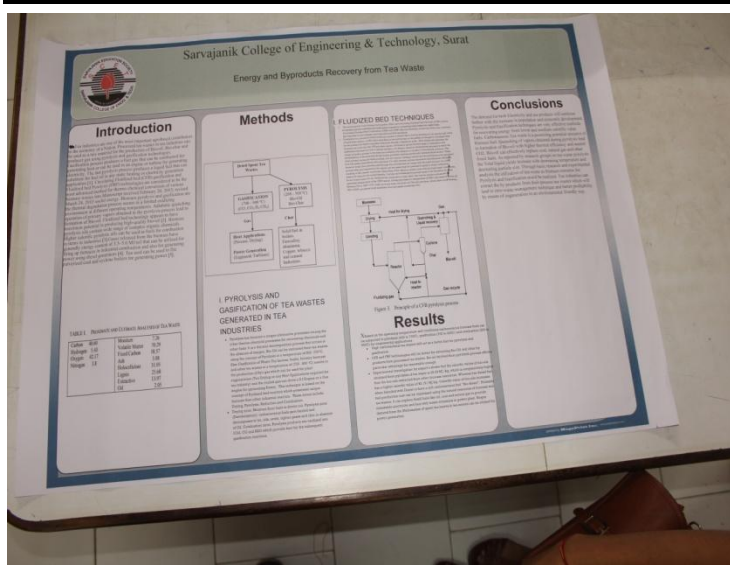
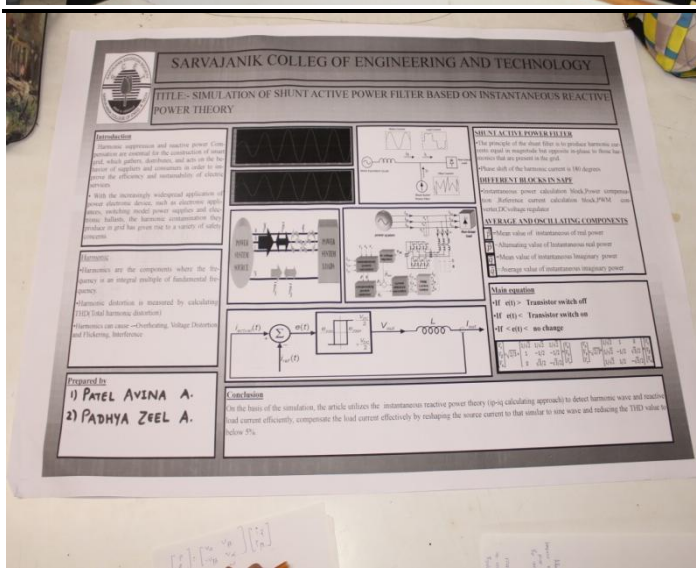
Total 09 teams have to make power point presentation of technical idea against the juries. The final list of winners is being declared by the jury members. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Dr. Hiren Patel
2	Dr. Hardik Desai

List of Winners

Sr. No.	Name	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Padhya Zeel 2. Patel Avina	ME Electrical	Year 1 st , Sem-1 st	SCET	1 st	500
2	1.Maheshwari Saloni	BE Electrical	Year 4 th ,Sem 7 th	SCET	2 nd	300
3	1. Patel Meshwa 2. Maru Muskan	BE Electrical	Year 1 st , Sem-1 st	SCET	3 rd	200



Event-3 (Abhishar) (Paper Presentation)

Event Description

In this event, student team (Max. 3) has to participate with their technical research article. The presentation has to be made against the jury members by the individual team with question/ answer. The best three teams were selected by the jury members according to evaluation criteria specified. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Paper Presentation.

Event Team		
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Kunal chavda	Year 4 th , Sem 7 th (Evening Shift)
2	Smit Patel	Year 4 th , Sem 7 th (Evening Shift)
Volunteer		
Sr. No.	Name	Year & Sem
1	Hani Modh	BE-3 rd Sem-5 th (Morning Shift)
2	Foram Dhameliya	BE-3 rd Sem-5 th (Morning Shift)
3	Patel Deep	BE-2 nd Sem-3 rd (Evening Shift)

No. of Participants

Prequalifying Round Participants	NA
Round 1	14 Teams Participation (23 Participants)

Total 14 teams have to explain their research article in presence of the juries. The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Prof. Krishna Vakharia
2	Prof. Dimple Bhanabhagvanwala
3	Prof. Naman Bhatt
4	Dr. Chirag Naik

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Christie Jonty 2. Prajapati Jay 3. Kanthariya Nainesh	BE Electrical	Year 2 nd , Sem 3 rd	SCET	1 st	300
2	1. Piraka Vikita 2. Desai Neel	BE Electrical	Year 2 nd , Sem 3 rd	SCET	2 nd	200
3	1. Singh Satyam	BE Electrical	Year 4 th , Sem 7 th	SCET	1 st	300
4	1. Indrajeet Kaur	BE Electrical	Year 3 rd , Sem 5 th	SCET	2 nd	200



Event-4 –Technical Quiz

Event Description

In this event, students in team (max 2) have to appear for answering the technical quiz related to their technical syllabus taught in their classes. This event includes the pre-qualifying round to reduce the number of students for next round. Round 1 consist of technical questions set by the faculty members, where students have to select correct answer from the given options. The shortlisted candidates based on their marks have to appear for next Round 2. Round 2 consist of visual image based, where candidate has to identify the image/video of technical things and answer it. The best three candidates are selected by the jury members according to evaluation criteria specified. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Technical Quiz.

Event Team		
Faculty Event Co-ordinator		
Sr. No.	Name	
1	Prof. Urvi Jariwala	
2	Prof. Siddhi Patel	
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Satyam Singh	Year 4 th ,Sem 7 th (Morning Shift)
2	Hetashvi Shah	Year 4 th ,Sem 7 th (Morning Shift)
Volunteer		
Sr. No.	Name	Year & Sem
1	Jaydeep Sukharanwala	BE-3 rd Sem-5 th (Morning Shift)
2	Prem Patel	BE-2 nd Sem-3 rd (Evening Shift)
3	Zalak Patel	BE-2 nd Sem-3 rd (Morning Shift)

No. of Participants

Round 1	209 Participants (82 Team)
Round 2	16 Participants (10 Team)

The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Prof. Urvi Jariwala
2	Prof. Siddhi Patel

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute of Name	Position	Prize Money (Rs)
1	1. Patel Vikas 2. Jigar H. Patel	BE Electrical	Year 4 th , Sem 7 th Year 3 rd , Sem 5 th	SCET	1 st	500
2	1. Neel Desai 2. Virani Harry	BE Electrical	Year 2 nd , Sem 3 rd	SCET	2 nd	300
3	1. Vaiwala Rahul 2. Rahul Padhi	BE Electrical	Year 4 th , Sem 7 th Year 3 rd , Sem 5 th	SCET	3 rd	200



Event-5 –Circuit Chakravyuh

Event Description

Student as to purchase the components from the points earned at the previous level (Round 1) and put their efforts to design an innovative product which is ready for the market in Round 2. In this event, students in team (max 4) have to appear for Round 1 to answer the technical question (objective) related to different components and elements which are used in circuit implementation. Top most point gainers team will be qualified for next round 2, where they need to make innovative design based on available components in the event. The best three innovative designs will be selected by the jury members according to evaluation criteria specified. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Circuit Chakravyuh.

Event Team		
Faculty Event Co-ordinator		
Sr. No.	Name	
1	Prof. Hitesh Mehta	
2	Prof. Shaikh Mo. Suhel	
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Bhavik Solanki	Year 4 th ,Sem 7 th (Morning Shift)
2	Ashish Singh	Year 4 th ,Sem 7 th (Morning Shift)
Volunteer		
Sr.No.	Name	Year & Sem
1	Jaydip Bhaliya	Year 4 th ,Sem 7 th (Evening Shift)
2	Kinjal Lungariya	Year 4 th ,Sem 7 th (Morning Shift)
3	Riddhi Gaywala	BE-3 rd Sem-5 th (Morning Shift)
4	Rahul Padhi	BE-3 rd Sem-5 th (Morning Shift)
5	Dhvani Champaneri	BE-3 rd Sem-5 th (Evening Shift)
6	Nirav Tanawala	BE-2 nd Sem-3 rd (Evening Shift)

No. of Participants

Round 1	123 Participants (42 Team)
Round 2	35 Participants (15 Team)

Top most point gainers in Round 1 teams are qualified for Round 2. They need to make working circuit based on available components. The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Prof. Hitesh Mehta
2	Prof. Shaikh Mo. Suhel

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Soni Saloni 2. Rajgadia Komal 3. Tripathi Anushi 4. Sethia Smriti	BE Electrical	Year 4 th , Sem 7 th	SCET	1 st	300
2	1. Sanchaniya Divyes 2. Dobariya Piyush 3. Chauhan Bhavik	BE Electrical	Year 4 th , Sem 7 th	SCET	2 nd	200
3	1. Patil Parth 2. Dave Karm	BE Electrical	Year 4 th , Sem 7 th	SCET	3 rd	100





Event-6 –Robo Race

Event Description

Students in a team of two have to follow the difficult path track without any damage to the track using their robot in Round 1. Robot dimension and specification should be as per specified by the faculty convener. Some teams will be qualified based on their achievement based on the time for the next Round 2. The complexity of the path is increased in the Round 2. Three best team will be announced as winners. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Robo Race.

Event Team		
Faculty Event Co-ordinator		
Sr. No.	Name	
1	Prof. Manish Mishra	
2	Prof. Kalpesh Parmar	
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Saurav Patel	Year 4 th ,Sem 7 th (Morning Shift)
2	Umang Shah	Year 4 th ,Sem 7 th (Morning Shift)
Volunteer		
Sr.No.	Name	Year & Sem
1	Suraj Rana	Year 4 th ,Sem 7 th (Evening Shift)
2	Abhishek Paneriya	Year 4 th ,Sem 7 th (Morning Shift)
3	Deep Postiwala	BE-3 rd Sem-5 th (Morning Shift)
4	Sakshi Mehta	BE-3 rd Sem-5 th (Evening Shift)
5	Patil Chirag	BE-3 rd Sem-5 th (Morning Shift)
6	Patel Yatri	Year 4 th ,Sem 7 th (Evening Shift)
7	Harsh Patel	BE-3 rd Sem-5 th (Evening Shift)
8	Dhvanish Bhatt	BE-3 rd Sem-5 th (Evening Shift)
9	Patel Meet	BE-2 nd Sem-3 rd (Evening Shift)

No. of Participants

Round 1	48 Participants (24 Team)
Round 2	24 Participants (12 Team)

The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Prof. Manish Mishra
2	Prof. Kalpesh Parmar

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Patel Deep 2. Jonty Christie	BE Electrical	Year 2 nd , Sem 3 rd	SCET	1 st	300
2	1. Patel Deep 2. Patel Krunal	BE Electrical	Year 4 th , Sem 7 th	SCET	2 nd	200
3	1. Ansodariya Monil 2. Aolpara Mrugnak	BE Mechanical	Year 1 st , Sem 1 st	SCET	3 rd	100



Event-7 –Laser Maze

Event Description

Students in a team of two or three have to crack the Round 1 for qualifying to appear in Round 2. Round 1 has elimination round, where team has to give the correct answer in question papers related to laser basics. Qualified teams from Round 1 have to appear in Round 2. In Round 2 , the team has to get the laser pattern as given them by the team and complete the task within time limit. They need to use laser light, mirror etc. The team, who obtain the result in time, will be announced as winners. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Laser Maze.

Event Team		
Faculty Event Co-ordinator		
Sr. No.	Name	
1	Prof. Chinmay Naik	
2	Prof. Amit Kulkarni	
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Jatin Manghani	Year 4 th ,Sem 7 th (Evening Shift)
2	Krunal Patel	Year 4 th ,Sem 7 th (Evening Shift)
3	Flora Solanki	BE-3 rd Sem-5 th (Morning Shift)
Volunteer		
Sr.No.	Name	Year & Sem
1	Yash Patel	Year 4 th ,Sem 7 th (Evening Shift)
2	Riya Chaudhari	Year 4 th ,Sem 7 th (Morning Shift)
3	Pooja Amlani	BE-3 rd Sem-5 th (Evening Shift)
4	Patel Ankit	BE-3 rd Sem-5 th (Morning Shift)
5	Kunal Parmar	BE-2 nd Sem-3 rd (Evening Shift)
6	Varshil Patel	BE-2 nd Sem-3 rd (Evening Shift)
7	Sipra Kundu	BE-2 nd Sem-3 rd (Evening Shift)
8	Ayushi Patel	BE-2 nd Sem-3 rd (Evening Shift)

No. of Participants

Round 1	220 Participants (92 Team)
Round 2	60 Participants (20 Team)

The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

Jury Members

Sr. No.	Name
1	Prof. Chinmay Naik
2	Prof. Amit Kulkarni

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Jeevraj Prajapati 2. Jonty Christie 3. Pranav Shinde	BE Electrical	Year 2 nd , Sem 3 rd	SCET	1 st	300
2	1. Chovatiya Archil 2. Lathia Kartavya	BE Computer	Year 2 nd , Sem 3 rd	SCET	2 nd	200
3	1. Nainesh Kantharia 2. Patel Vishal 3. Jay Prajapati	BE Electrical	Year 2 nd , Sem 3 rd	SCET	3 rd	100



Event-8 –Click Flicks

Event Description

Students in a team of two have to identify different cartoonist characters and answer it in Round 1. Round 1 has a question paper. It is a non-technical event open for all branch students. Students, who clear the Round 1, has to appear for Round 2 for qualifying to appear in Round 2. In Round 2, student teams identify the visual photo of different character and answer it. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Click Flicks.

Event Team		
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Rounak Lakhotia	BE-3 rd Sem-5 th (Morning Shift)
2	Foram Dhameliya	BE-3 rd Sem-5 th (Morning Shift)
Volunteer		
Sr.No.	Name	Year & Sem
1	Krishna Modi	BE-3 rd Sem-5 th (Morning Shift)
2	Vraj Diyora	BE-2 nd Sem-3 rd (Evening Shift)

No. of Participants

Round 1	226 Participants (113 Team)
Round 2	30 Participants (15 Team)

The final list of winners is being declared by the jury members based on the criteria of evaluation. The following tables show the jury members & winners.

List of Winners

Sr. No.	Name of Student	Branch	Year & Sem	Institute	Position	Prize Money (Rs)
1	1. Desai Meha 2. Dhruvi Shah	BE Computer	Year 3 rd , Sem 5 th	SCET	1 st	300
2	1. Patel Vikas 2. Gaurav Savlani	BE Electrical	Year 4 th , Sem 7 th	SCET	2 nd	200
3	1. Aamir Khan 2. Rohan Vasava	BE Electrical	Year 3 rd , Sem 5 th	SCET	3 rd	100



Event-9 –Neo-Shootout

Event Description

Individual student has to participate in this non-technical event. This event is require the dark room only, where only radium part is visible. The radium parts are goal-post, hand gloves and ball. Two different participants have to start a game, where one participant will kick a ball and other to save goal at goal post. Than after, both will interchange their position. Who kick most goals will be the winner for that particular round and win prize. The following tables show the list of event co-ordinator, volunteers, and participants for this event name Neo-Shootout.

Event Team		
Student Event Co-ordinator		
Sr. No.	Name	Year & Sem
1	Ankit Patel	BE-3 rd Sem-5 th (Morning Shift)
2	Pratik Agrawal	BE-2 nd Sem-3 rd (Evening Shift)
Volunteer		
Sr.No.	Name	Year & Sem
1	Raj Tenkar	BE-2 nd Sem-3 rd (Evening Shift)
2	Patel Divyanshi	Year 4 th , Sem 7 th (Morning Shift)

No. of Participants

158 Participants



Valedictory

All the winner certificates were distributed to the participants. We, Dr. Kalpesh Patil & Prof. Hemin Motiwala, appreciate support from the management, principal madam, and head of the electrical department. Also, we are very much thankful to teaching and non-teaching staff for their direct or indirect involvement to make this event URJA-2K18 success.







