

Report on  
***“Robocon National Contest 2017”***,  
Venue: Shiv Chhatrapati Sports Complex, Balewadi, Pune dated 2-4March’17 Organized by  
Doordarshan and hosted by MIT Academy of Engineering, Pune

**Submitted**  
*by*  
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## **About Robocon**

ROBOCON is an Asia-Pacific Robotics Competition organized by Asia Broadcasting Union annually with a sole objective of encouraging and promoting robotics amongst the students at the college level. The contest aims to create friendship among young people with similar interests who will lead their countries in the 21st century, as well as help advance engineering and broadcasting technologies in the region.

The event is broadcast in many countries through ABU member broadcasters. This grand event since 2005 has witnessed participation from almost every country across Asia, and India stands no exception. Sponsored and promoted by National Broadcaster Doordarshan (DD National), the best colleges and university throughout India, face off in national qualifiers so as to represent the country in the International finals held in the host country. Each year the competition has different topics, but generally speaking three or more robots must be used to complete the tasks and theme. To build the robots, contestants, who are restricted to be undergraduate students, must possess rich knowledge in programming, mechanical design and electronic circuit design.

## **This Year Theme: “Asobi: The Landing Disc”**

The theme revolves around the word “asobi” (play), which is also a fundamental philosophy behind Robocon. In “asobi,” playful, unique, original show of skills is often more important than winning or losing, as everyone – friend and foe alike – can applaud and enjoy them.



### Traditional Asobi Game in Japan

So, in the “asobi” spirit: we encourage playful, unique, original robot designs and strategies!

# Smt. S. R. Patel College of Engineering, Unjha at Robocon-2017

**SRPEC Team of ROBOCON-2017 Theme: "Asobi" : "TheLandingDisc"**

| Sr. No | Designation | Name                    | Branch     |
|--------|-------------|-------------------------|------------|
| 1      | Instructor  | Prof. Harshad C. Patel  | Mechanical |
| 2      | Instructor  | Prof. Jitendra R. Patel | Computer   |
| 3      | Instructor  | Mrs. Shivani J. Raval   | Computer   |
| 4      | Team Leader | Patel Deep P.           | Mechanical |
| 5      | Team Member | Mewada Pranshu          | Mechanical |
| 6      | Team Member | Khatri Khushil          | Mechanical |
| 7      | Team Member | Patel Savan             | Civil      |
| 8      | Team Member | Modi Rihen              | Mechanical |
| 9      | Team Member | Vaghela Amul            | Mechanical |
| 10     | Team Member | Upadhyay Aman           | Mechanical |
| 11     | Team Member | Thakkar Darshit         | Civil      |
| 12     | Team Member | Patel Pratik            | Civil      |
| 14     | Team Member | Patel Dip               | Civil      |
| 14     | Team Member | Prajapati Yash          | Mechanical |
| 15     | Team Member | Patel Jimit             | Mechanical |
| 16     | Team Member | Patel Kishankumar L     | Mechanical |
| 17     | Team Member | Rao Prakash             | Mechanical |
| 18     | Team Member | Ratwani Jayprakash      | Mechanical |
| 19     | Team Member | Rajput Sanjay           | Mechanical |
| 20     | Team Member | Mali Praveen            | Mechanical |
| 21     | Team Member | Tekwani Praful          | Mechanical |



## **SRPEC Robocon Team with Director and HoD's**

Smt. S. R. Patel college of Engineering, Unjha participated for the second time at ABU National Robocon 2017 held at Balewadi, Pune.. A team of 20 was formed which include 17 students and three faculty adviser/Instructor Prof. Harshad C. Patel from Mechanical department. SRPEC Robocon Team faces draw with Gov. COE Aurangabad, and win against Chandigarh University, Mohali. Team didn't qualify for the super league for which only 24 team qualifies. It was the second appearance of Smt. S. R. Patel College of Engineering, Unjha at Robocon. With every year Robocon is becoming popular and the competition is getting tougher & tougher. The Director of SRPEC Mr. Kalpesh Patel and Head of Department Mr. Ramesh Mewada, (Mechanical Engineering) congratulates team members and Prof. Harshad C. Patel for participating at such prestigious robotics competition.

## **Team Performance at Robocon-2017**

Total 126 team participated at this year Robocon. All teams were divided into 37 group with each group having 3 team. SRPEC were in 'Z' group with Gov. COE Aurangabad and Chandigarh University, Mohali. In the first match against Gov. COE Aurangabad, our team scored 1 point whereas Gov. COE Aurangabad also scores one point. In the second match against Chandigarh University, Mohali we once again manage to score two point and Chandigarh University, Mohali scored total 0 points. Team overall score was 2 points. Many of the top team like IIT-Hydrabad, IIT-Ropar, SVNIT and couldn't score any points and was below us in point stable. This has cheer up our team moral and give us sense of satisfaction. Team has not let down on enthusiasm and has promised themselves that they will come-back next year with more powerful robots.

The final match was played between COEP, Pune and MIT, Pune. It was quite clear that COEP was going to win as they were achieving APPARE in less than 2 minutes in earlier matches. In the final COEP achieves APPARE in 1 min 23 sec to win ABU National Robocon-2017 and they will represent India in August-2017 at Tokyo for International Robocon-2017.

