

KALYANI CHARITABLE TRUST'S

# LATE G. N. SAPKAL COLLEGE OF ENGINEERING

Kalyani Hills, Anjaneri-Vadhali, Trimbakeshwar Road, Dist: Nashik - 422 212 (India)

Tel: +91 - 2594 - 220168/71, Fax: +91 - 2594 - 220174

Website: www.sapkalknowledgehub.org, E-mail: gns\_engineering@sapkalknowledgehub.com



## Electronics & Telecommunication Department

### One Day National Level Technical Symposium "Technofest-2023"

Academic Year: 2022-23

Sem: II

Targeted Audience: Students from different Engineering and Polytechnic Colleges.

Duration: 07 hours

Date & Time: 13-05-2023

09:00 AM to 04:00 PM

Organizing Body: ASSET

Venue: E&TC Department

#### Event I

#### Event Name: Project Competition

##### A. Title of the Event

1) Project Competition (Diploma & Degree)

##### B. Objectives of the Practice

To nurture young minds to appreciate complex problems and to think of innovative solutions either to alleviate prevalent problems or to improve the quality of life become the responsibility of technical institutions.

- The purpose for conducting project competition is to enhance the knowledge of students and motivate them to compete in global competitive engineering field.
- Young learners get an opportunity to present their innovative ideas amongst various competitors.
- The project competition provides an excellent platform to the students to showcase their talent, research orientation and untapped potential.

##### C. The Context

This is an initiative to promote the creative thinking among the students of allied engineering branches. It aims to provide a platform for young learners to present their innovative ideas, research orientation and untapped potential. This event will also help the participants to interact with other innovative minds and get access to the latest developments in industry. A team spirit is formed while improving the students' confidence, and their thinking, searching, and communication skills





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#### D. The Practice

Date: 13-05-2023 Time : 9.00 AM to 4.00 PM

Judge for Event: Prof. (Dr). R.S. Mahajan

Assistant Professor

E&T.C, Department

S.V.I.T, Chincholi

Nashik

In this competition was initialized for Diploma and Degree and kept separate evaluation and Prizes for Degree and Diploma.

#### Prizes:

- First Prize of Rs.2000/-
- Second Prize of Rs.1000/-

#### E. Evidence of Success

Winners for the Events:-

##### 1. Project Competition (Degree)

Number	College Name	Project Name	Student Name
1 <sup>st</sup> winner	L.G.N.S.C.O.E, Nashik	Product Splitting using PIC.	1. Chawla Pradeep 2. Katare Rohit 3. Baviskar Rupesh
2 <sup>nd</sup> winner	Amrutvahini College of Engineering, Sangamner.	Smart station for electric vehicle using pentograph	1. Varpe Gauri 2. Pathade Pranali 3. Pansare Prajwal 4. Navale Shirdip

##### 2. Project Competition (Diploma)

Number	College Name	Project Name	Student Name
1 <sup>st</sup> winner	Amrutvahini polytechnic Sangamner	Smart Helmet using IOT	1. Bramhne Tarachand 2. Ahote Vinayak 3. Naikwadi Moreshwar
2 <sup>nd</sup> winner	L.G.N.S.C.O.E, Nashik	Automatic Door System	1. Mule Avinash 2. Kadlag Snehal 3. Khairnar OM



## Event II

### Event Name: Roborace

#### A. Title of the Event :- Roborace Competition (Diploma & Degree)

#### B.Objectives:

- To provide an Innovative platform for upcoming engineers to present their ideas and Technical skills by participating in various organized events.
- Main objective of this event is to interact with new types of robots and introduction and invention of the technology.
- In terms of processing speed, reaction time, high speed, two-way communication [the technology] will be applied.
- In terms of hardware, software and types of batteries used by different teams.
- The ultimate goal is to use the technology developed on the racetrack to help prevent 1.35 million road deaths every year.

#### C. The Context (challenging issues):

- The first and main challenge is to design a track which produces interest to students and same time gives a little bit challenge of completion over it.
- The challenge is to build your robot either wired or wireless within the specified dimensions (as mentioned in the specifications) to achieve the maximum speed and beat other robots on a given track to reach the finishing line in a minimum time.
- Only Electrically powered Robots are allowed in the competition.
- Batteries must be sealed, immobilized electrolyte type (gel cell, lithium, NiCad, or dry cells).
- The battery can be placed on the robot or can be carried in hand by the robot operator in the case of the wireless robot.

#### D.The Practice:

- A maximum of 04 members are allowed in each participating team.
- Registration fee: 50/- per team
- Multiple teams from the same school/college can participate in the competition.
- The decision of the judges will be final and abiding. Arguments with judges in any form will





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lead to the disqualification of the team right away.

- Each checkpoint carries different types of hurdles. Successfully clearing the checkpoints will add points to the total tally.
- Robots causing deliberate interference with other robots or damaging tracks will be disqualified.
- Decisions of the Judges and Event Organizers shall be treated as final and binding on all.

**Guests: Honorable CMD Dr. Ravindra G. Sapkal,**

**Honorable Vice Chairperson Kalyani Sapkal Madam.**

**Special Guest: - Mr. J.P. Dange, Retired Chief Secretary, Government of Maharashtra.**

**Judge for Event: Prof. (Dr).R.S.Mahajan, Assistant Professor, E&T.C, Department S.V.I.T, Chincholi, Nashik.**

**E. Evidence of Success**

**Winners of Roborace (Degree)**

Number	College Name	Student Name
<b>1<sup>st</sup> winner</b>	A.I.S.S.M.S College, Pune	1.Khairnar Prashant 2.Said.V.Siddhant 3. Said.S.Sahil 4. Thakare Janhavee
<b>2<sup>nd</sup> winner</b>	K.K.W, Engineering College Nashik	1. Ganmote Shivam 2. Nikte Pranav

For First prize Cash of Rs 2000/- and momento, for second prize Cash of Rs 1000/- and momento was given.

Event Concluded by formal vote of thanks by Prof.M.S.Borse, followed by National Anthem.

**Evidences attached:**

1. Registration forms
2. Attendance Sheet.
3. Result sheet.
4. Feedback Form filled by Judges and Participants.
5. Photographs.



**Photographs:-**

# सपकाळ अभियांत्रिकीत घडले विज्ञानाविष्कार

## 'एसकेएच-टेक्नोफेस्ट २०२३' ला विद्यार्थ्यांचा प्रतिसाद

**सकाळ वृत्तसेवा**

नाशिक, ता. १३ : अंजनेरी येथील कल्याणी चॅरिटेबल ट्रस्ट संघटित सपकाळ कॉलेज ह्या येथे लेट. जी. एन. सपकाळ कॉलेज ऑफ इंजिनिअरिंगचे 'टेक्नोफेस्ट २०२३' चे आयोजन केले होते. तंत्रज्ञानावर आधारित या स्पर्धेत विज्ञानाचे आविष्कार बघायला मिळाले. स्पर्धेत राज्यभरातील अभियांत्रिकी शिक्षणक्रमाच्या विद्यार्थ्यांचा चांगला प्रतिसाद मिळाला.

धराक रोबोरेस, नवीन विज्ञानाधारित उपकरणातून फंड्याबाहेर बांधून पुनर्निर्मित, प्रॉन स्ट्रीट सेलर लाइट, पोटॅबल हार्नेस्टिंग, सेवन टॅक फायबर कोटिंग, अडुईट वेन्ड

कॅलिब्रल लिफ्टिंग सिस्टम असे विविध प्रकल्प स्पर्धेत सहभागी झाले होते. राज्यभरातील महाविद्यालयीन सुमारे आठशेहून अधिक विद्यार्थ्यांनी स्पर्धेत सहभाग नोंदविला होता. सपकाळ कॉलेज ह्याचें दरवर्षी आयोजित केलेल्या जाग्याच्या 'टेक्नोफेस्ट २०२३' या स्पर्धेकडे संपूर्ण अभियांत्रिकी शाखेच्या विद्यार्थ्यांचे लक्ष असते. या स्पर्धेतून सहभागी होणाऱ्या विद्यार्थ्यांना आपले बौद्धिक कस, आपली कलाकृती सादर करण्याची संधी प्राप्त होते. अशा प्रकारच्या स्पर्धेतूनच राष्ट्रीय, आंतरराष्ट्रीय व्यासपीठावर झळकण्याचा आत्मविश्वास येतो, असे मन संस्थेचे अध्यक्ष डॉ. रवींद्र सपकाळ यांनी व्यक्त केले. स्पर्धेचे उद्घाटन प्रवेश गिऱ्यामक प्राधिकरणाचे अध्यक्ष तथा माजी



नाशिक : 'एसकेएच-टेक्नोफेस्ट' मधील प्रकल्पांची पाहणी करताना उपस्थित मान्यवर.

मुख्य सचिव जे.पी.इंगो यांचा प्रमुख उपस्थिती होती. सपकाळ कॉलेज ह्याचे व्यवस्थापकीय संचालक व अध्यक्ष डॉ. रवींद्र सपकाळ यांनी रोबोरेसच्या

ट्रॅक्टर मोबाईल डिजिटलसकर कालगार रोबो चालवून स्पर्धेचे उद्घाटन केले. याप्रसंगी उपस्थित कल्याणी सपकाळ, प्रशासकीय अधिकारी डॉ. एस.

**स्पर्धेतील विभागाविषयक विजेते**

- रोबो रेस ( ई ऑण्ड टीसी विभाग)- ए.आय.एस.एम.एस महाविद्यालय, पुणे.
- प्रकल्प सादरीकरण (संगणक विभाग) लेट. जी. एन. सपकाळ महाविद्यालय, नाशिक.
- प्रकल्प सादरीकरण (ई ऑण्ड टीसी)- लेट. जी. एन. सपकाळ महाविद्यालय.
- प्रकल्प सादरीकरण (यांत्रिकी विभाग)- के. के. वाय अभियांत्रिकी महाविद्यालय.
- प्रकल्प सादरीकरण (इलेक्ट्रिकल विभाग)- ले. जी. एन. सपकाळ महाविद्यालय.
- प्रकल्प सादरीकरण (सिव्हिल विभाग)- लेट. जी. एन. सपकाळ महाविद्यालय.
- शोधप्रबंध सादरीकरण/पोस्टर- लेट. जी. एन. सपकाळ महाविद्यालय.

एस. हराक, प्राचार्य डॉ. साहेबराव बागल, टेक्नोफेस्ट २०२३' चे मुख्य समन्वयक प्रा. डॉ. तुषार बढगुज आदी उपस्थित होते. टेक्नोफेस्ट स्पर्धेकरिता उद्योजक व शैक्षणिक क्षेत्रातील मान्यवरांनी फौलक मजतून काम पाहिले. यावेळी फारमॅन्सचे प्राचार्य

डॉ. बच्चराव, एम्बोएचे संचालक डॉ. धांडे, फारमॅसी पदविकेच्या प्राचार्य डॉ. दीनी फडतरे, अभियांत्रिकी महाविद्यालययवतील विभागप्रमुख डॉ. नरेंद्रा घानशेंदे, डॉ. एस. श्रीधर, प्रा. एस. बी. बोरसे, प्रा. रवींद्र बाजी, प्रा. संदीप बागल आदी उपस्थित होते.

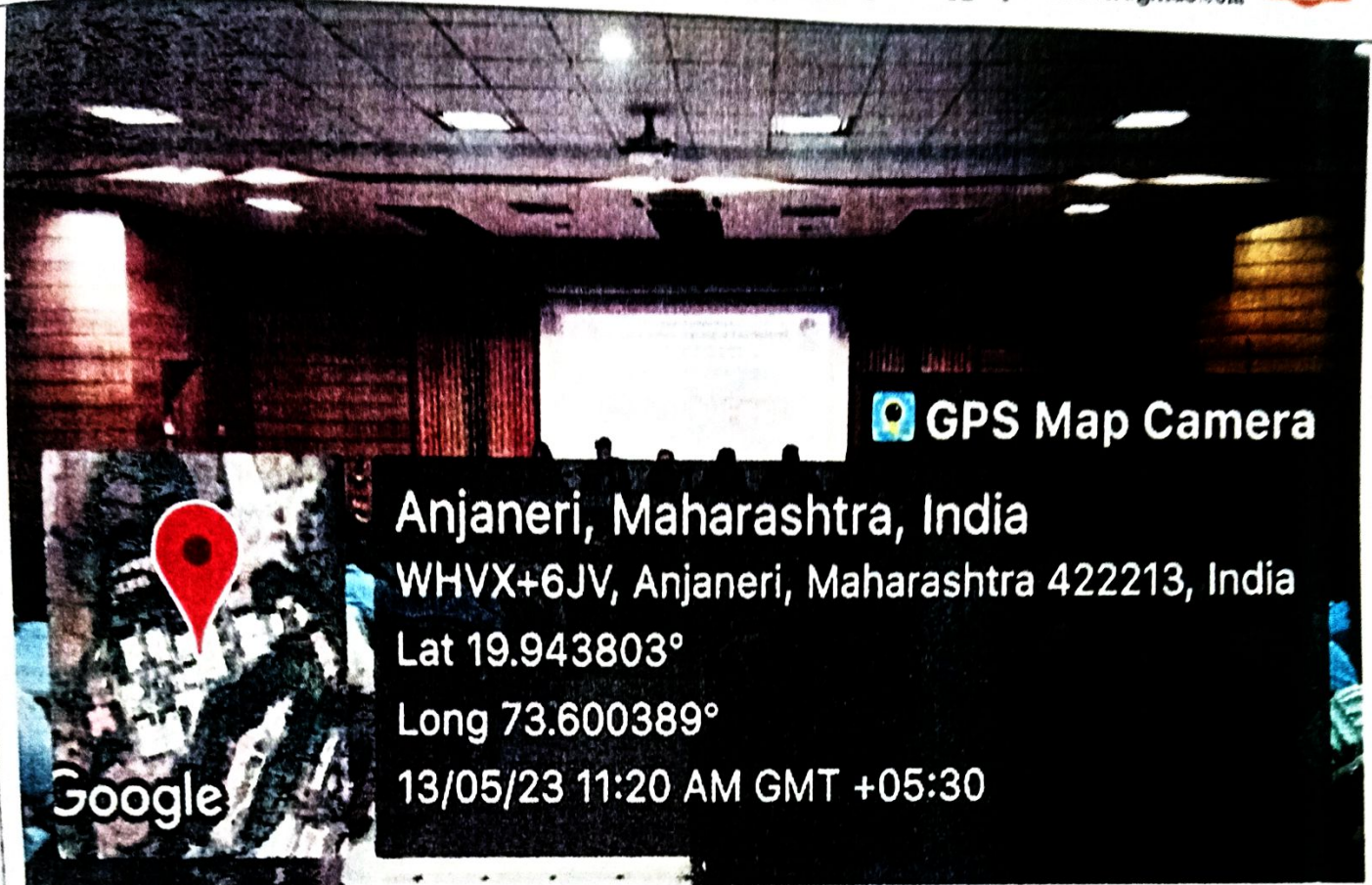


 **GPS Map Camera**

**Anjaneri, Maharashtra, India**  
 Trimbakeshwar Rd, Anjaneri, Maharashtra 422213, India  
 Lat 19.943903°  
 Long 73.600368°  
 13/05/23 10:58 AM GMT +05:30







 **GPS Map Camera**

Anjaneri, Maharashtra, India

WHVX+6JV, Anjaneri, Maharashtra 422213, India

Lat 19.943803°

Long 73.600389°

13/05/23 11:20 AM GMT +05:30

Google



 **GPS Map Camera**

Anjaneri, Maharashtra, India

WHVX+6JV, Anjaneri, Maharashtra 422213, India

Lat 19.943831°

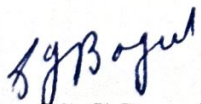
Long 73.600412°

13/05/23 02:45 PM GMT +05:30

Google







Prof.S.G.Bagul

Department Coordinator



Prof. S. B. Borse

HOD, E&TC Dept.



Prof.(Dr) Vikram Kolhe

IQAC Coordinator



Prof. (Dr.) S. B. Bagal

Principal, LGNSCOE