



**“ The Shetkari Shikshan Mandal, Sangli ”**  
**PADMABHOOSHAN VASANTDADA PATIL INSTITUTE OF TECHNOLOGY**

Affiliated 'A' Grade by NAAC Bangalore

(Approved by AICTE, Govt. of Maharashtra & Affiliated to Savitribai Phule Pune University)

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## 7.2: Best Practices implemented by the Institution

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### 7.2.1

#### **1. Achievements of Robotics Lab**

Team Tech-Titans is a group of Dedicated Technocrats from Padmabhooshan Vasantdada Patil Institute of Technology, Pune. Our team, formerly known as Team Olympians, has been a regular participant in National and International events, showcasing our technical expertise and innovation. We have won numerous awards in various competitions and work actively to achieve even higher goals and dreams. We also have had the privilege to represent India at prestigious international events. We are a group of Robotics enthusiasts who strive to solve real-world problems using artificial intelligence and robotics mechanisms. Our team comprises Computer, Electronics, and Mechanical sub-systems and innovations that work together to build working, usable and purposeful bots. In recognition of our team's dedication, expertise, and exemplary performance, we have been honored with a prestigious offer letter from IHFC (TIH of IIT Delhi) to collaborate through their esteemed READY-Immersion Program. This esteemed opportunity signifies the depth of our skills and our commitment to pushing the boundaries of innovation. We thrive to educate new, up and coming students and act as a guide to introduce them to endless possibilities and innovations. We conduct regular free workshops on basic robotics to help and teach robotics enthusiasts, including hands-on seminars on programming, electronics, and mechanics involved in robotics. We are immensely grateful for the guidance and support we have received from our mentor Swapnil Adlinge and our college PVPIT Bavdhan, Pune. The guidance, resources, and encouragement provided have been pivotal in our journey towards success. From financial assistance to access to exceptional facilities, the college has consistently demonstrated its commitment to fostering innovation and nurturing talent. It is through this support that we were able to represent our institution on a national stage.



- **Cozmo-Clench Tech-Fest**

The competition provides a platform for students to design and construct their own gripper bot which can drive through an obstacle-filled path and put the objects in the respective target zones. It also provides an opportunity for students to work as a team and test their skills.

Robotics Tournament

Venue : IIT Bombay

Date : DEC 2021-2022

International Level

Preparation Duration : 1 Month

Team Members : BE-MECH - Mohit Bendale, Ganesh Hadkar,  
Sumedh Ketkar, Chaitanya Gaikwad.

Our Team achieved 2nd and 10th Rank in building and operating a Gripper bot and competed amongst 172 participants from all over the Asian continent.

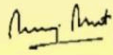
## Certificate of Excellence

This certificate is awarded to Mr/Ms

**Mohit Sunil Bendale**

for securing 2nd position in the Cozmo Clench competition

conducted by Techfest, IIT Bombay.



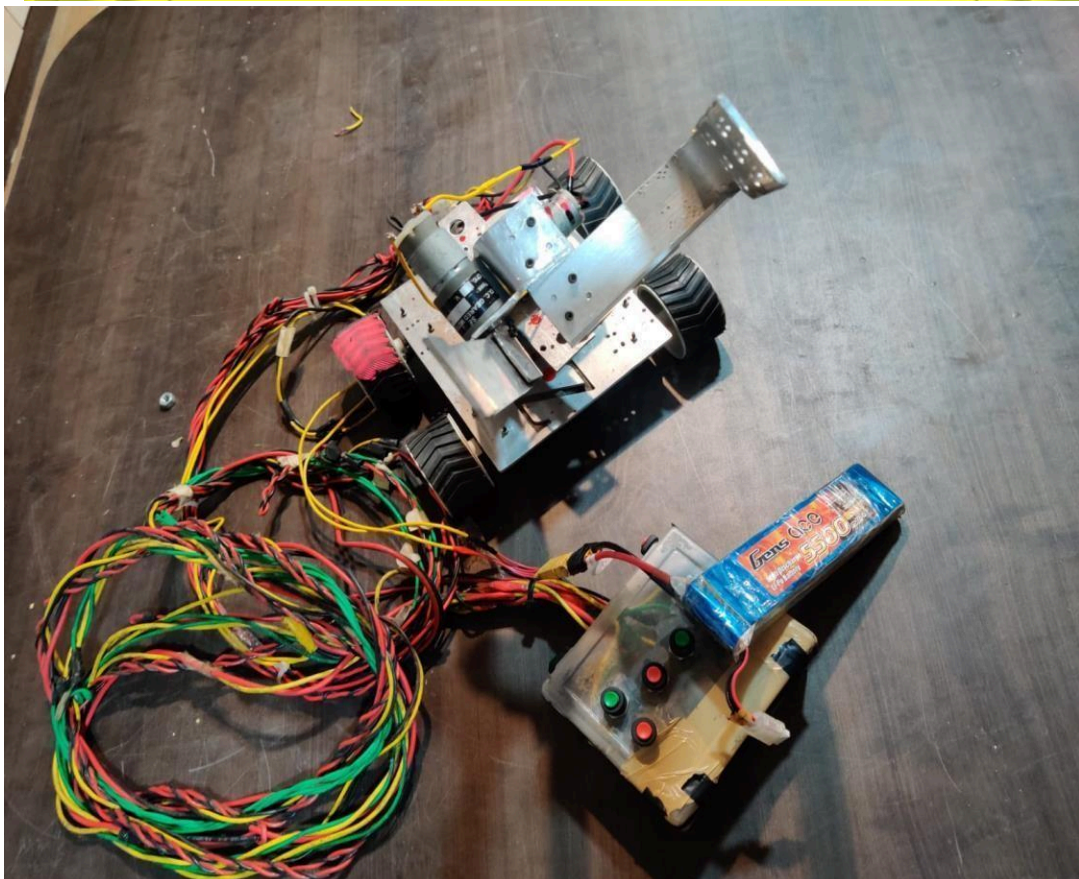
**Prof. RK Pant**

Faculty Adviser  
Techfest, IIT Bombay



**Nitesh Saran**

Overall Coordinator  
Techfest, IIT Bombay





- **e-Yantra (2022)**

A truly inclusive and international competition that facilitates teams with varied levels of skills from beginners to advanced teams. This competition organized by IIT Bombay uses Project Based Learning techniques to encourage students to solve real world problems using high level coding languages in a set of multiple stages.

Coding Hackathon

Venue : IIT Bombay

Date : 2021-2022

International Level

Preparation Duration: 2 Months

Team Members : BE-E&TC - Kalyani Madas, Nandini Pankar.

TE-COMP - Tanishq Shinde, Shweta Bagade,

Kaushal Kapadnis, Aniket Phand,

Nirmal Gharpure, Tejas Jagtap,

Kunal Satpute.

TE-E&TC - Smita Takalkar.

Our team was able to qualify till Stage-2 of this prestigious competition obtaining the following set of marks.

Stage 0 :  
100/100 Stage 1  
: 100/100 Stage  
2 : 98/100



- **ABU Robocon (2022)**

One of the biggest Asian Robotics tournament involving thousands of submissions from all over the continent which holds a completely different theme each year which suggests new challenges each year.

Robotics

Tournament Venue :

IIT Delhi

Date : AUG 2021- JULY 2022

International Level

Preparation Duration: 1 Year

Team Members:

Mentor - Swapnil Adlinge (Alumni)

Captain - Mohit Bendale (BE-MECH)

Vice-Captain - Chaitanya Gaikwad (BE-MECH)

BE-MECH : Sumedh Ketkar, Ganesh Hadkar, Sharvari

Joshi BE-E&TC : Saurabh Mali, Nisarg Shilotri,  
Prithviraj Gambhire, Nandini Pankar,  
Kalyani Madas.

TE-COMP : Shweta Bagade, Tanishq Shinde,  
Nirmal Gharpure, Aniket Phand,  
Kaushal Kapadnis, Jairaj Shetkar,  
Pratik Shinde, Gaurav Kondhalkar,  
Kunal Satpute, Shreyas Bhagat, Ganesh Shinde,  
Tejas Jagtap, Shrawani Lattoo.

TE-E&TC : Smita Takalkar, Siddhesh Mahagaonkar. TE-MECH : Avinash Pawar, Preeti Devras.

Our team secured an All India Rank 11 during the National Tournament and also was awarded the prestigious “Dr S.K. Saha’s Award” for Best Report Submission because of attention to detail

Stage 1: 100/100

Stage 2: 94/100

Stage 3 :

AIR-11











- **Technothon**

This is a technical fest held by our college PVPIT which conducts multiple technical events for students from all colleges to compete in.

Robotics Tournament Venue :

PVPIT Pune Date : MAR 2023

University Level

Robotrek Members : Avinash Pawar (TE-MECH)

Dhiren Sawalakhe (SE-COMP)

Poster Tournament Teams: Team 1: Vaishnavi Hagawane (SE-COMP)

Yugal Wani (SE- E&TC)

Harshal Patil(SE- COMP)

Team 2: Dhiren Sawalakhe (SE- COMP)  
Sushma Addagatla (TE-COMP)  
Payal Gaikwad (SE- COMP)

Our two team members were able to secure 1st and 2nd Rank in the Robotrek tournament. Two of our teams also obtained 1<sup>st</sup> and 3<sup>rd</sup> in Poster making competition.







- **Robo-Race Competition**

This tournament held by Genba Sopanrao Moze College was organized as a racing competition between Robots.

Robotics Tournament

Venue : Genba Sopanrao Moze College Date : MAR  
2023

University Level

Team Members : Dhiren Sawalakhe (SE-COMP)

Harshal Patil (SE-COMP)

Our team secured 2nd Rank in a competition of Robot Racing held by Genba Sopanrao Moje College of Engineering, Pune.







- **Tech-It-Out Robot Competition**

This tournament was held by Ajeenkya D.Y. Patil University as a stage for different teams to compete in a competition of Line Follower Robot.

Robotics Tournament

Venue : Ajeenkya D.Y. Patil University

Date : 26/02/2023

University Level

Team Members :

TE-COMP : Avinash Choran, Sushma Addagatla,

Tanishq Shinde. Aniket Phand, Shweta

Bagade SE-COMP : Harshal Patil, Vaishnavi Hagawane,

Payal Gaikwad, Dhiren Sawalakhe.

SE-E&TC : Suraj Nimbalkar, Yugal Wani, Chaitanya Sali.

We are glad to share that our Team Tech Titans conquered the winner, runner up and 2nd runner up positions in 'Tech-It-Out, Light Guided Robot Race (Line Follower Bot)' in 'Tech 2K23' event held at Ajeenkya D. Y. Patil Innovation University, Lohegaon, Pune.



- **ABU Robocon (2023)**

One of the biggest Asian Robotics tournament involving thousands of submissions from all over the continent which holds a completely different theme each year which suggests new challenges each year.

Robotics

Tournament Venue :

IIT Delhi Date :

2022-2023

International Level

Duration of Preparation : 1 Year

Team Members :

Mentor : Swapnil Adlinge (Alumni)

Captain : Shreyas Bhagat (TE-COMP)

Vice-Captain : Avinash Pawar

(TE-MECH) BE-MECH : Vihar Bendale

TE-COMP : Kunal Satpute, Tanishq Shinde, Shweta Bagade

Nirmal Gharpure, Avinash Choran, Sushma

Addagatla.

TE-E&TC : Smita Takalkar.

SE-COMP : Harshal Patil, Dhiren Sawalakhe, Payal Gaikwad,

Vaishnavi Hagawane.

SE-E&TC : Yugal Wani, Suraj Nimbalkar, Sejal Ghadage,

Kaivalya Alkari, Chaitanya Sali, Atharva Raut.

SE-CIVIL : Utkarsha Mathe.

We have successfully advanced to the pre-quarterfinals, securing an impressive rank of AIR 9 out of the 43 exceptional teams participating in this renowned competition, hosted at the prestigious Tyagraj Stadium by Indian Institute of Technology, Delhi.

Stage 1 :

97.5/100 Stage 2 :

95/100 Stage 3 :

AIR 9











- **e-Yantra (2023)**

A truly inclusive and international competition that facilitates teams with varied levels of skills from beginners to advanced teams. This competition organized by IIT Bombay uses Project Based Learning techniques to encourage students to solve real world problems using high level coding languages in a set of multiple stages.

Coding Hackathon

Venue : IIT Bombay

Date Date : 2022-2023

International Level

Preparation Duration: 2 Months

Teams : Team 1 : Yugal Wani, Nirmal Gharpure,  
Payal Gaikwad, Avinash Pawar.

Team 2 : Kaushal Kapadnis, Harshal Patil,  
Vaishnavi Hagawane, Dhiren Sawalakhe.

Team 3 : Tanishq Shinde, Shreyas Bhagat,  
Kunal Satpute.

- **Battle of Robots(2023)**









## Certificate of participation

Awarded to

name

**Khopade Rohan Vilas**

team

**Prixx**

For the participating  
in the International  
Championship Battle  
of Robots



The Ministry  
of Digital Development



DABL Yu EKSPLO



promobot





## 2) NSS Activity:

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### 1) Beti Bachao Beti Padhao:-



## Beti Bachao Beti Padhao (A.Y. 2019-20)

### 2) Self Defense Drive:-







Self Defense Drive (A.Y 2021-22)

### 3) Swachhta Abhiyan:-



Swachhta Abhiyan (2022-23)

### 4) International Yoga Day:-







International Yoga Day (A.Y 2021-22)

5) **World Environment Day:-**



World Environment Day (A.Y 2022-23)

6) **Tree Plantation:-**





## Tree Plantation (A.Y 2021-22)

### 7) Plastic Free Drive:-



Plastic Free Drive (A.Y 2021-22)

### 8) E- waste Drive:-

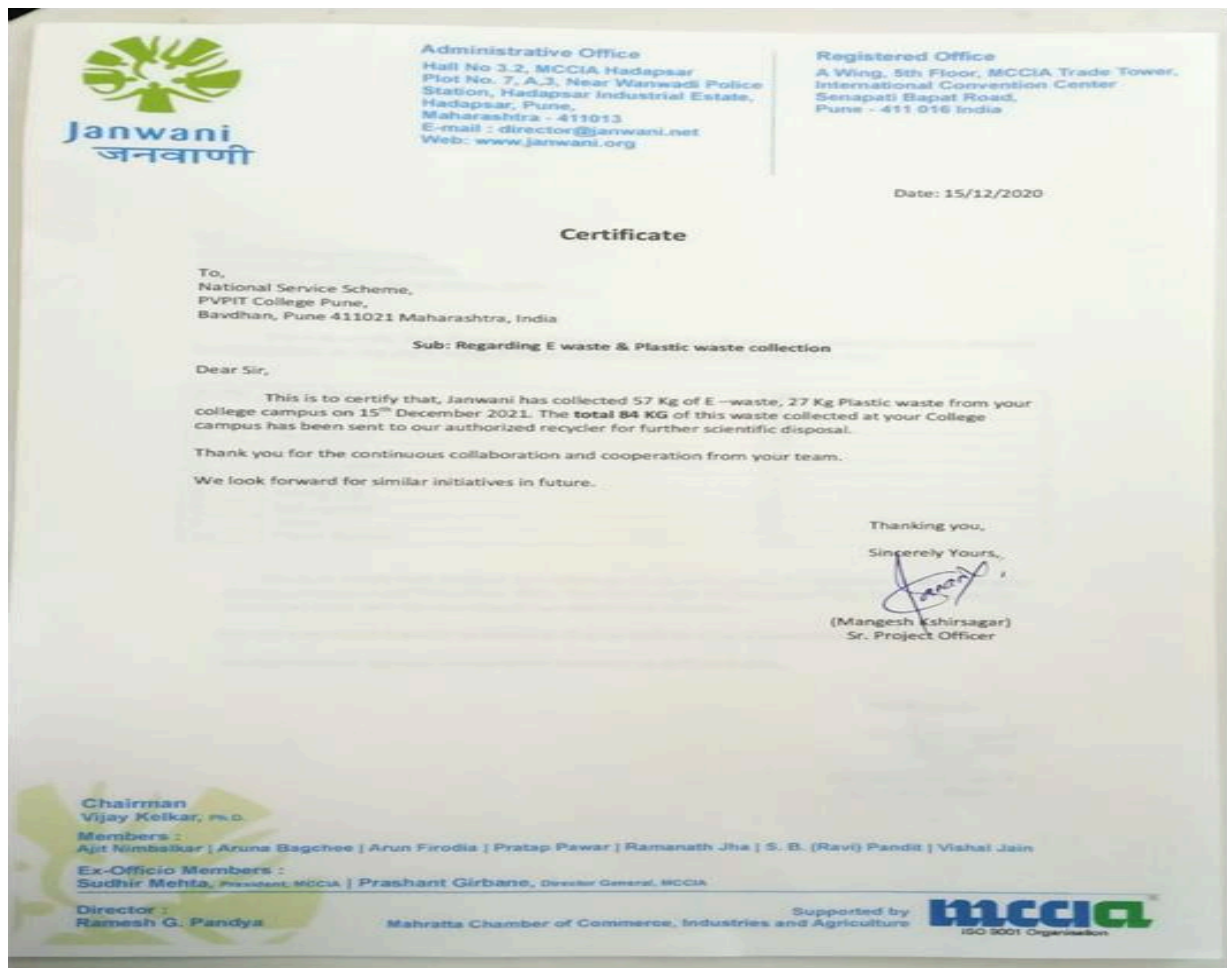


E waste Drive (A.Y 2020-21)



E-waste Drive (A.Y 2022-23)





## 9) Health checkup Drive:-



Health checkup Drive (A.Y 2022-23)

## 10) Ayushman Bharat:-

TSSM's

Padmabhushan Vasantdada Patil Institute of Technology, Bavdhan, Pune-21

### Report of Webinar on Aayushman Bharat Diwas

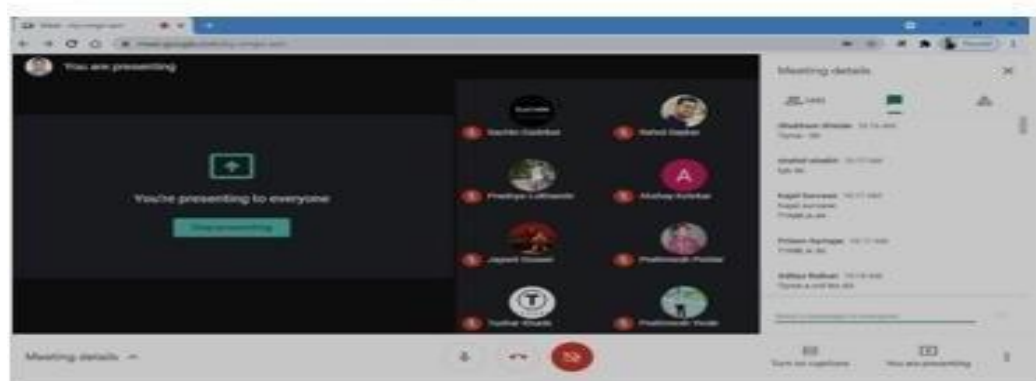
Name of Event	<u>Aayushman Bharat Diwas</u>
Date and Time	30 Apr , 2021 at 11AM
Venue	Google Meet
Resource Person	Dr. <u>Vivek Warade</u> (Jupiter Hospitals Pune)
Participants	48
Objective	The objective of this webinar was to create awareness and answer a few queries regarding the AB PMJAY Empanelment and Quality Certifications.
Outcome	He explained the empanelment of single specialty hospitals & multi specialty hospitals. Which is very much useful in <u>Covid 19</u> pandemic

**Table 1: Illnesses Covered under AB-PMJAY**

<u>Ophthalmology</u> Surgery	Orthopedic Surgery and procedures	Poly trauma	<u>Gynaecology</u> and Obstetrics Surgery
Neuro Surgery	Burns, Plastic and Reconstructive Surgery	Pediatric Cancer	Pediatric Surgeries
Radiation Oncology	General Surgery	ENT Surgery	Cardiac and Cardiothoracic Surgery
Dental Surgery	General Medicine	Pediatrics	Pulmonology
Psychiatry	Surgical Gastroenterology	<u>Genita Urinary</u> Surgeries	Surgical Oncology
Gastroenterology	Medical Oncology	Critical Care	Neonatology
Cardiology	Nephrology	Neurology	Endocrinology

TSSM's

Padmabhushan Vasantdada Patil Institute of Technology, Bavdhan, Pune-21



Aayushman Bharat Diwas (A.Y 2020-21)

## 11) Food Packet Distribution:-





Food Packet Distribution (A.Y 2021-22)



Food Packet Distribution (A.Y 2022-23)



12) Umid ki Chadar:-



Umid ki Chadar (A.Y 2022-23)



### 13) Har Ghar Tiranga:-



Har Ghar Tiranga (A.Y 2022-23)

### 14) Blood Donation Camp:-







Blood Donation Camp (A.Y 2021-22)

**15) World Water Day:-**



World Water Day (A.Y2021-22)