



JAYAWANT SHIKSHAN PRASARAK MANDAL'S  
**JAYAWANTRAO SAWANT  
COLLEGE OF ENGINEERING**

SR NO 58, HANDEWADI ROAD, HADAPSAR, PUNE - 28  
NBA & NAAC ACCREDITED



DEPARTMENT OF ENGINEERING SCIENCES

# GENESIS 2K23

*Budding Technical Talents...*

**8<sup>TH</sup> JULY 2023  
SATURDAY**



A PBL Based Project Competition for FE Students

**PRIZES**  
**FIRST<sup>ST</sup> RS 5000/-**  
**SECOND RS 3000/-**  
**THIRD RS 2000/-**

VENUE:  
JSCOE,  
DEPARTMENT  
OF  
ENGG. SCIENCES

Scan QR to Register



Activities:  
@ Exhibition  
@ Presentation

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PROF. S. A. LAWATE  
Event Co-Ordinator

DR. A. B. GAWAND  
Head of Department

DR. R. D. KANPHADE  
Principal

DR. S. K. SAWANT  
DR. V. A. BUGADE  
Campus Directors



JAYAWANT SHIKSHAN PRASARAK MANDAL'S  
**Jayawantrao Sawant College of Engineering**

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)

Id.No. : PU/PN/Engg./199/(2004)

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Dr. Rajendra D. Kanphode

M.E. Ph.D. (Electronics Engg.)

LMISTE, FIETE, SMIEEE

Principal

Prof. Dr. T. J. Sawant  
B.E., B.E. (Electrical), MISTE Ph.D.  
FOUNDER SECRETARY

## Department of Engg. Sciences

### GENESIS 2K23

#### Introduction

We take this opportunity to introduce, JSPM's Jayawantrao Sawant College of Engineering, Pune 28, established in 2004, as one of the self-financed Engineering Institutes, affiliated to Savitribai Phule Pune University, Pune; and approved by AICTE New Delhi, DTE and Government of Maharashtra. The Institute offers undergraduate Engineering programs in Computer Engineering, Electronics & Telecommunication Engineering, Electrical Engineering, Information Technology and Mechanical Engineering.

The Institute has always been inspiration to students, It has remarkably best technical guidance facilities with which students have always achieved glorious positions in their path of success.

Department of Engineering Sciences, as boon to the new technical Entrants and while shaping the minds of new engineering graduates, Institute encourages various activities to nurture students with motivation and zeal.

In current academic year 2022-23, Department of Engineering Sciences organized "Genesis 2K23", A PBL based project competition for the FE students studying in Savitribai Phule Pune University. The rules and regulations for the competition were as per the curriculum designed by university, according to guidelines prescribed for completion of Project Based Learning – I. The subject PBL – I has been introduced from the inception of 2019 Pattern of curriculum designed by the university for promoting practical oriented learning to the students giving exposure to modern Industrial Technologies.

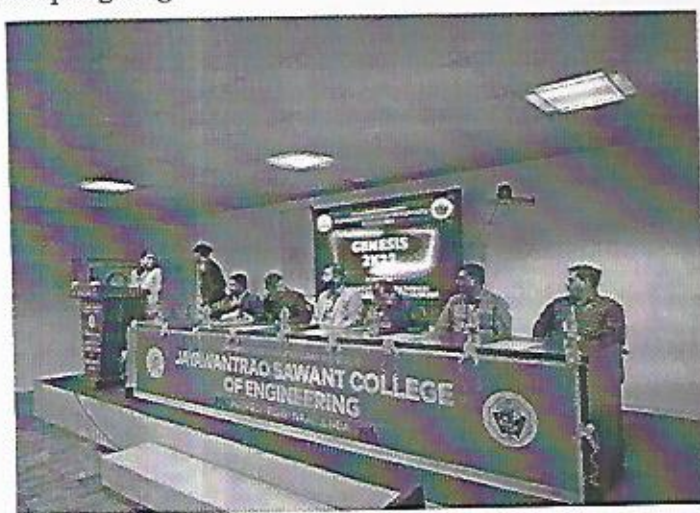
In this Project competition many participants from Autonomous as well as affiliated Institutes from SPPU, in and around the city have enthusiastically registered. The details of Institute wise registration is as below,

Sr. No.	Name of Institute	No. of Projects	No. of Students
1	JSCOE, HADAPSAR	13	77
2	PCCOE, RAVET	9	34
3	SINHGAD COE, VADGAON	4	19
4	BSIOTR, WAGHOLI	3	10
5	ICOER, WAGHOLI	2	11
6	AIT, DIGHI	2	10
7	VJIT, PUNE	1	04
8	RSCOE, TATHWADE	1	06
9	GS MOZE COE, BALEWADI	1	05
10	TOTAL	36	176

On event day the participants who had already registered through online mode using QR code, were advised for offline registration at the reception and were allotted with a Project Group ID for competition proceedings.

### Inaugural Function

All the guests, dignitaries on the dias, faculty members and students were extended warm welcome on occasion of opening the event, As a tradition we begun the proceedings of our competition by lamp Lighting.



Inaugural Function in Progress

List of Dignitaries on the Dias:

- ✦ **Guest and Industrial expert 1:**
  - **Mr. Balkrishna C. Patil**  
CEO, ParamLOGIC Infotech Ltd., Pune.
- ✦ **Guest and Industrial expert 2:**
  - **Mr. Kishor P. Mashalkar**  
Sr. Design Engineer, KPIT Technologies, Pune.
- ✦ **Person Presiding over Function:**
  - **Dr. R. D. Kanphade,**  
Principal, JSCOE
- ✦ **Convener:**
  - **Dr. A. B. Gawand,**  
Dean Admin & HOD (Engg. Sciences)
- ✦ **Special Guest:**
  - **Dr. Shailesh Hambarde,**  
Dean Academics, JSCOE
- ✦ **FE Co-Ordinator:**
  - **Dr. M. S. Gardi**
- ✦ **Event Co-Ordinator:**
  - **Prof. S. A. Lawate,**  
PBL Co-ordinator (Dept. of Engg. Sciences)

Student Miss. Aditi Savale anchored the Inaugural function wherein she requested respected Principal to escort the Chief guest for Lamp Lighting, after Lamp Lighting introduction of the event was explained by Event coordinator Prof. S. A. Lawate and subsequently the guests for the day who were also expert judges were introduced VC Hall. The guest of the day Mr. Kishor Mashalkar from KPIT Technologies was felicitated by respected Principal Dr. R. D. Kanphade. HOD Dr. A. B. Gawand declared the opening of ceremony. Instructions for various activities were explained by Event Coordinator Prof. S. A. Lawate. After Inaugural everyone headed towards opening ceremony of Project Exhibition.



**Lamp Lighting By Guest**

### **Project Exhibition**

Initially when students were registered offline they were allotted spaces for showcasing their skills and performances through a project Exhibition, In this Exhibition students presented projects in various branches of Engineering. Almost 119 students from 26 different project groups of various Institutes reported in the competition. Few glimpses of various projects can be seen in images below,



**Project Group ID GE-119**



**Project Group ID GE-121**



**Project Group ID GE-123**



**Project Group ID GE-114**

These projects were reviewed by Two panels of Judges. Each team of judges had a member from Industry as well as education field from this exhibition 09 groups were shortlisted.



#### Project Group ID GE-108

Another group from PCCOE, Ravet had given provisional shortlisting looking at the efforts taken for completion of project. Judges and Experts admired the direction of project towards Patent filing.

Thus total of 10 project groups were shortlisted, List is as follows,

Sr. No.	Project Group ID	Title of Project
1	GE-105	Alcohol detection system using Arduino uno
2	GE-123	Arduino Based Traffic Light Control System For Ambulance Using Radio Frequency
3	GE-131	Fingerprint Sensing Gun
4	GE-121	Robotic Arm
5	GE-116	Eyes To The Blind
6	GE-108	Drishti sahayak
7	GE-109	News Breeza
8	GE-119	Fingerprint Based Door Locking System Using Arduino
9	GE-112	E-Commerce Website
10	GE-128	Python Programming For Converting Text To Voice And Vice Versa



## Project Presentation

The shortlisted project group of students had to present their project to Judges in later stage of project Exhibition for Evaluation and Assessment. The Jury members performed their task in metaculous way. All guidelines prescribed by SPPU in project assessment according to various criteria.

The presentations by students were streamed online on youtube.

Upon completion of all presentations result sheet was prepared by Judges.

## Valedictory Function

Finally, the most awaited moment for all the participants was supposed to be happened at the end of all activities and everybody awaited the breathe of listening the results where winners were declared. For the prize distribution ceremony following dignitaries were present.

List of Dignitaries on the Dias:

### ✦ Guest and Industrial expert 1:

- Mr. Balkrishna C. Patil  
CEO, ParamLOGIC Infotech Ltd., Pune.

### ✦ Guest and Industrial expert 2:

- Mr. Kishor P. Mashalkar  
Sr. Design Engineer, KPIT Technologies, Pune.

### ✦ Person Presiding over Function:

- Dr. Sanjay K. Sawant  
Campus Director, JSPM's Hadapsar Campus

### ✦ Convener:

- Dr. A. B. Gawand,  
Dean Admin & HOD (Engg. Sciences)

### ✦ Special Guest:

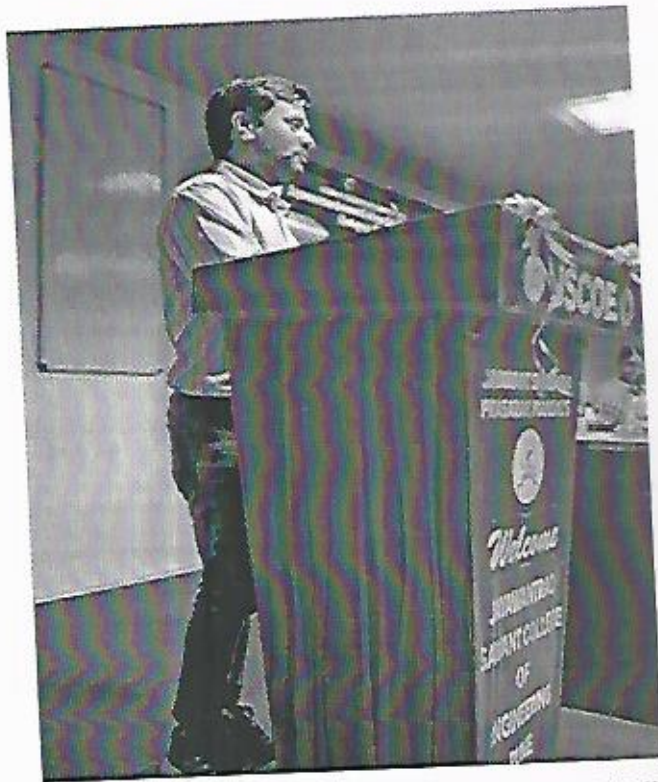
- Dr Sachin Todkari,  
Training and Placement officer, JSCOE

### ✦ FE Co-Ordinator:

- Dr. M. S. Gardi

### ✦ Event Co-Ordinator:

- Prof. S. A. Lawate,  
PBL Co-ordinator (Dept. of Engg. Sciences)



Mr. Balkrishna Patil addressing the VC Hall

### Order of Merit:

Position	Name of Students	Name of Institute	Name of Project
<b>Winner</b>	Aditi Sawale	JSPM's Jayawantrao Sawant College of Engineering, Pune	OTT E-Commerce Website
	Sahil Gaikwad		
	Kshitij Jagtap		
	Rushikesh Rane		
	Rahila Wankhede		
<b>I Runner Up</b>	Neha Ekawale	Pimpri Chinchwad College of Engineering, Ravet	News Breeza
	Pranav Nebhnani		
	Niranjan Mali		
<b>II Runner Up</b>	Vedant Mahadik	Sinhgad College of Engineering, Pune	Alcohol Detection And Mechanism For Halting Engine Using Arduino
	Sharayu Ramteke		
	Sanskruti Pande		
	Sayali Kombe		
	Sohel Sayyed		
Payal Shelke			
Ravikiran Shinde			



**The Winners**

**Project Group ID GE-112, from Jayawantrao Sawant college of Engineering,  
Hadapsar, Pune awarded by Campus Director Dr. S. K. Sawant**



**First Runner Up**

**Project Group ID GE-109, from Pimpri Chinchwad College of Engineering  
and research, Ravet awarded by Mr. Balkrishna C. Patil**

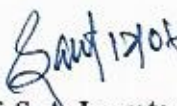


### Second Runner Up


**Project Group ID GE-105, from Sinhgad College of Engineering, Vadgaon  
Bk awarded by Mr. Kishor Mashalkar**

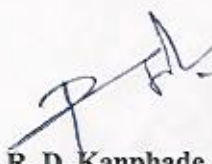
The prizes to the winners were distributed in a valedictory function in which Director of Hadapsar campus Dr. Sanjay k. Sawant Awarded the participants with their prizes for the winner team. Mr. Balkrishna C. Patil Awarded the participants with their prizes for the I Runner up team. Mr. Kishor Mashalkar Awarded the participants with their prizes for the II Runner up team.

The special Guest and Judges for the function were Mr. Balkrishna Patil, Founder Param LOGIC Infotech Ltd. Pune and Mr. Kishor Mashalkar from KPIT Technologies. The function was presided over by Principal Dr R.D. Kanphade, Dr. A. B. Gawand HOD. Dept of Engg. Sciences was the convener and chairperson. The event was coordinated by Prof. S. A. Lawate and the Vote of Thanks was proposed by students Mr Aditya kalbande and Miss Aditi Savale for concluding the event.

  
Prof. S. A. Lawate  
Event Co-Ordinator

  
Dr. M. S. Gardi  
FE Co-Ordinator

  
Dr. A. B. Gawand  
HOD

  
Dr. R. D. Kanphade  
Principal