



SNJB



# Late Sau. K. B. Jain College of Engineering, Chandwad

Department of Computer Engineering



News Bulletin

# Computer Buzz

Volume: 9 , Issue: 1

AY. 2023-24 (Semester I)

Jain Gurukul) Neminagar  
Chandwad-423101. Dist: Nashik(Maharashtra,India)


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<http://www.snjb.org>






# Our Vision & Mission



**SNJB's**  
Late Sau. Kantabai Bhavarlalji Jain  
**College of Engineering**  
(Jain Gurukul) Neminagar, Chandwad, Dist. Nashik (MS)



**VISION**  
Transform young aspirant learners towards creativity and professionalism for societal growth through quality technical education.

**MISSION**

- To share values, ideas, beliefs by encouraging faculties and students for welfare of society.
- To acquire the environment of learning to bridge the gap between industry and academics.
- To enhance diverse career opportunities among students for building nation.
- To transfer the suitable technology particularly for rural development.

**SNJB's**  
Late Sau. Kantabai Bhavarlalji Jain  
**College of Engineering**  
(Jain Gurukul) Neminagar, Chandwad, Dist. Nashik (MS)



**Department of Computer Engineering**

**VISION**  
To empower young generations for significant contribution in the field of computer engineering through excellence in knowledge, technical education and innovation to cater the industrial demands and societal needs.

**MISSION**

- To achieve academic excellence by inculcating basic and latest knowledge in which new idea flourish.
- To undertake collaborative training which offer opportunities for long term interaction with academia and industry.







## SOURCE OF INSPIRATION



**SHRI.DINESH KUMAR JI  
LODHA**



**SHRI. ZUMBARLALJI  
BHANDARI**



**SHRI. SUNILJI  
CHOPDA**

**DIRECTORS OF COLLEGE OF ENGINEERING**

## SOURCE OF MOTIVATION



**DR. R. G. TATED  
PRINCIPAL**



**DR. M. R. SANGHAVI  
VICE-PRINCIPAL**







## FROM HEAD OF DEPARTMENT CORNER



**DR. K. M. SANGHAVI**

It gives me great satisfaction to welcome you all on behalf of the entire Computer engineering department. Happy to share the release of Computer Buzz, Vol-9 Issue-1. Dedication, Devotion and Determination are keys to success in any endeavor. With the due respect Department of Computer Engineering believe in the philosophy of “Learning by Doing”.

It is heartening to see the transformational programs of our government such as Digital India, Skill India, Stand-Up India. In the same context our department has adopted the practical solutions based on ‘Robotic Theme’.

Department aims to ‘Go Green’ by using digital technology and making the system paperless ultimately saving the environment. The department encompasses a fine blend of renowned as well as young and dynamic faculties who promote the theme using the digital medium ; the blog for sharing their teaching and other technological information making it global ; Google Classroom for interacting with the students to upload their assignments/classwork which students can access any time, any where ; Google Forms to conduct mock tests for Online Examinations.

Apart from academic activities, encouragement to appear for extra as well as co-curricular activities and many other academic excellence certainly pave a red carpet welcome to the hard working students in the department. Parent Teacher Meet, Salesforce Training, Internship Program & multiple programs under banner of CSI & SPACE are highlights of this semester.

The Alumni of the Institute have done exceedingly well in all walks of life at both national and international levels, brought name and fame for themselves as well as to their parent institute.





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# Event

SR. NO	NAME OF EVENT	DATE OF CONDUCTION	RESOURCE PERSON
1	Short Video Competition on National Education Policy	24/07/2023	NA
2	Mahindra Pride Training by Nandi Foundation For BE Girl students	24/7/2023 to 29/7/2023	Ms.Priyanka Sharma & Ms Bimla Saxena
3	Expert Session on Strategies for selecting Project Topic	5/8/2023	NA
4	Level-5 Beginner Level Japanese Language Course Webinar	5/8/2023	Mrs. Aradhana Rajiv Panjabi, JLPT Certified.
5	Webinar on Career Opportunities through GATE Exam	7/8/2023	Mr.Prateek Mishra
6	Handson Session on Git and Open Source Tools	21/8/2023	NA
7	Rakshabandhan Event for Orphans	28/8/2023	NA
8	Session on Effective Email Writing	1/9/2023	Mr. Parag Achaliya
9	Awareness Session on Women safety	1/9/2023	Assistant Police Inspector Jadhav Sir
10	Building Effective Communication skills	4/9/2023	Mrs. Neeraja Prasad Gangaraju
11	Stress Management	7/9/2023	Mrs. S. P. Achaliya
12	One Day Workshop on “Experiential Learning”	9/9/2023	Mr.Ashish Rangari & Mr. Vishal Deshmukh
13	Poster Exhibition on Environment and Sustainability	23/9/2023	NA
14	Teachers Day Celebration	25/9/2023	NA
15	Seminar on Literature Survey	6/10/2023	NA
16	Advance Socket Programming	10/10/2023	Mr. Shelake Nitin Laxman
17	Latex Workshop	14/10/2023	Dr. K.R.Nirmal,
18	Machine Learning Model: Design to Deploy	16/10/2023	Mr. Lunawat Sujal Mr. Gujarati Siddhant
19	Career Opportunity In Cyber Security	21/10/2023	NA





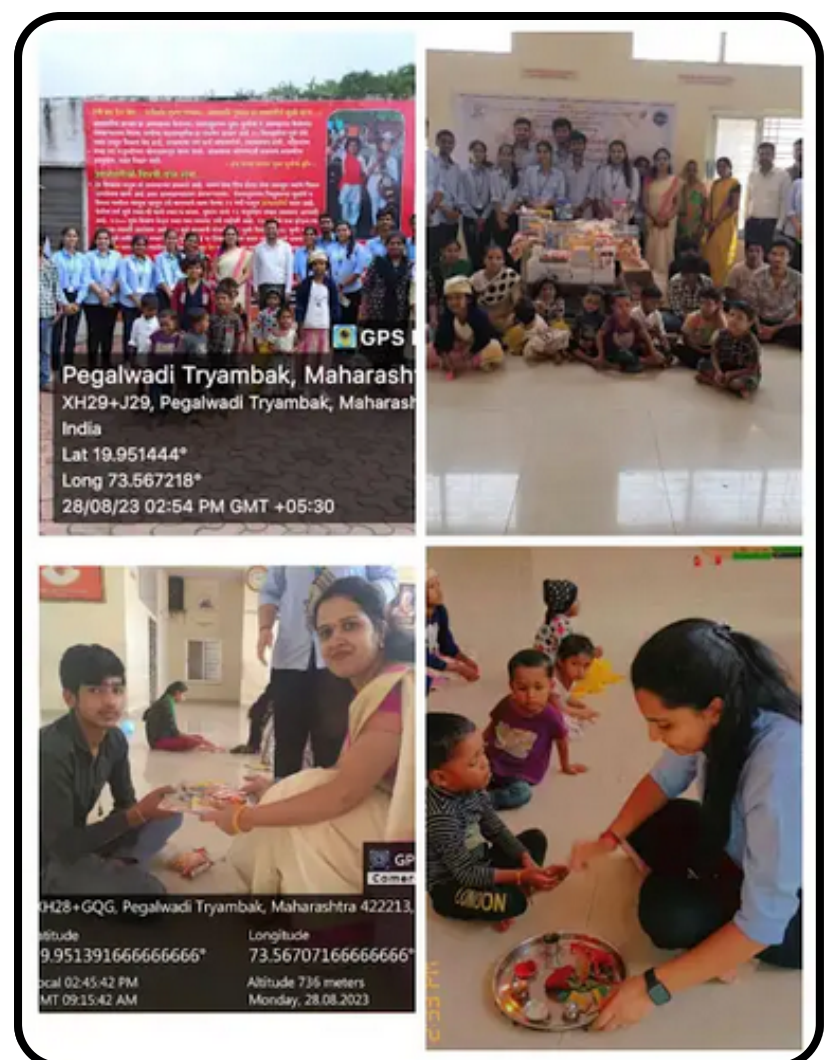
# GLIMPSES OF EVENTS

Mahindra Pride Training by Nandi Foundation For BE Girl students  
By Ms.Priyanka Sharma & Ms Bimla Saxena



Poster Exhibition on Environment and Sustainability

Rakshabandhan Event for Orphans







# GLIMPSES OF EVENTS

Awareness Session on Women safety  
By Assistant Police Inspector Jadhav Sir



One Day Workshop on “Experiential Learning”  
By Mr.Ashish Rangari & Mr. Vishal Deshmukh







# STAFF ACHIEVEMENT

*Congratulations!*

 The Institution of Engineers (India)

**HEARTY CONGRATULATIONS**

**ELECTED AS COMMITTEE MEMBER  
IN MAHARASHTRA STATE  
CENTRE IN  
COMPUTER DIVISION  
(2023-2025)**

**DR. M. R. SANGHAVI**

**PROFESSOR & VICE-PRINCIPAL  
SNJB'S  
LATE SAU. K. B. JAIN  
COLLEGE OF ENGINEERING, CHANDWAD**



## STAFF ACHIEVEMENT



*Congratulations!*

Mrs. Neha Pradyumna Bora published paper in Scopus journal (Q3) 🌸

📌 Paper Title : AUTOMATED TIME TABLE GENERATOR USING SPREAD SHEET FOR EDUCATIONAL MODULES

📌 Journal Name : European Chemical Bulletin (ISSN 2063-5346)

📌 Published Month- May-June 23

Mrs. Neha Pradyumna Bora, Project Guide and her Students Registering the copyright  
KALYANI MADHUKAR AHIRE,  
POOJA ANIL DESHMUKH,  
PRATIBHA ARUN CHAVAN,  
GOVINDA RAVIKIRAN CHASTWE

Title of Copyright : Process of Domain-Specific Standalone Voice Assistant and Chatbot for College Information

📌 Month of Registration : July 23

[28/07/2023, 4:00 pm] Sanghavi Mdm: Hearty Congratulations to Mrs.Neha Pradyumna Bora for publishing paper in Scopus journal

📌 Paper Title : A Web Authentication Biometric 3D Animated CAPTCHA System Using Artificial Intelligence and Machine Learning Approach

📌 Journal Name : Journal of Artificial Intelligence and Technology

📌 Published Month- July 23

Mrs. Neha Pradyumna Bora, Project Guide and her Students Registering the copyright  
KHUSHAL UDDHAV SAWANT  
PRIYANSHU LODHA  
ATHARVA KAWALE  
TEJAS KELHE

📌 Title of Copyright : CHARACTERISTIC-PRESERVING IMAGE BASED VIRTUAL CLOTHES TRIAL

📌 Month of Registration : SEP 23





## STAFF ACHIEVEMENT



Prof. Suchita Chavan journal paper has been accepted by Scopus Indexed Q1 Journal named International Journal of Information Technology

Prof. Suchita Chavan journal paper "Mathematical Analysis behind occlusion handling in image with Deep Learning" has been published in scopus journal International journal of Information Technology"  
Journal Type: Q1

Congratulations 🎉

Ms. Suchita Chavhan Received certificate of Reviewer from Journal of Visual Communication and Image Representation

Publication: Elsevier

Journal Category: Q1

Paper in Domain: Deep Learning



## STAFF ACHIEVEMENT



*Congratulations!*

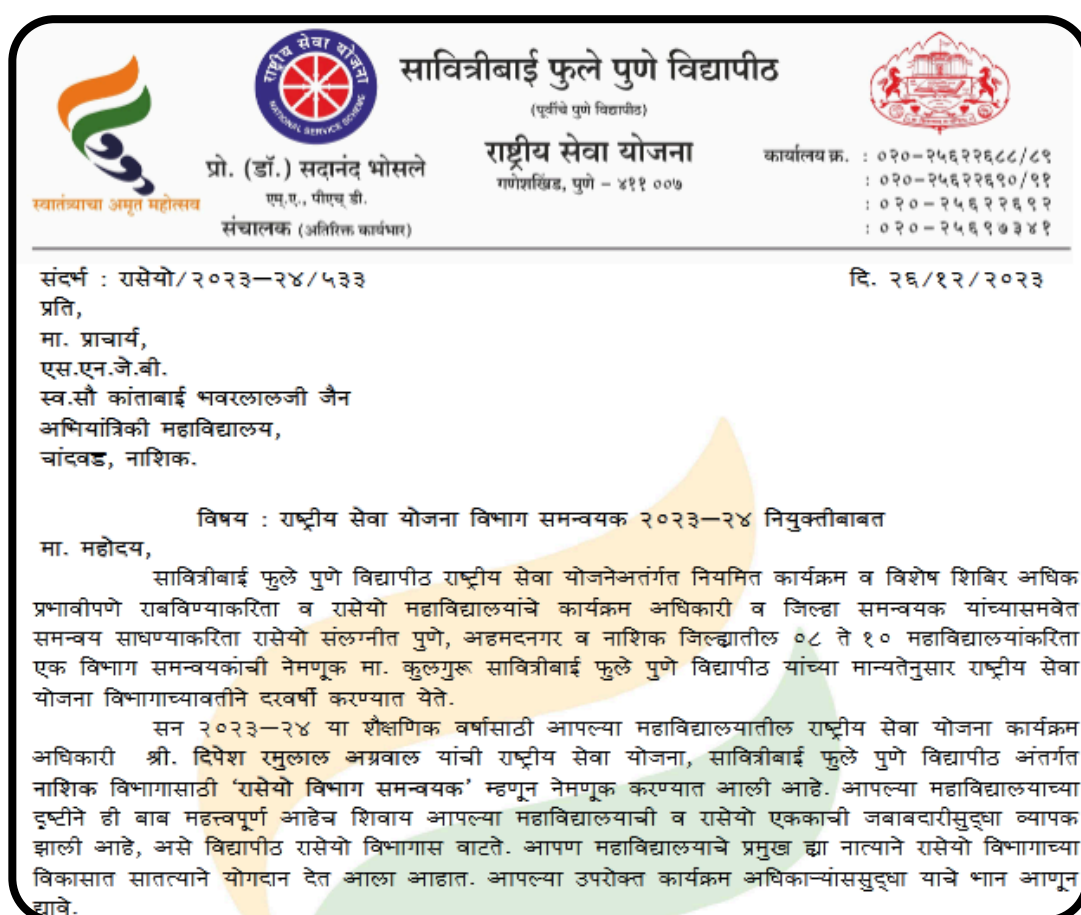
Prof. Swati Vishal Sinha received grant on her Patent named Agriculture drone for monitoring and spraying Granted on 4/8/23

Prof.S.V.Sinha published her first chapter in Book " Intelligent Approaches to Cyber Security " , Taylor & Francis eBooks,by CRC\*and this book is also Scopus Indexed

Press ,eBook ISBN9781003408307



*Congratulations!*







## STAFF ACHIEVEMENT



Hearty Congratulations to Mrs. Deepali P. Pawar for Copyright on Crop pest and disease identification through image processing



Mr. Parag Achaliya, 6 paid IOT Courses are published on another online learning platform Techademy, IIHT.





# STAFF ACHIEVEMENT



Department of Computer Engineering at SNJB's College of Engineering has successfully registered 5 copyrights for the following academic processes:

1. Process of Academic Audit For Engineering College

Authors: Dr. M. R. Sanghavi, Vice Principal and Head of Department

Prof. K. M. Sanghavi, Associate Professor

Dr. Mrs. K. R. Nirmal, Associate Professor

Prof. Mrs. B. A. Khivsara, Assistant Professor

Dr. M. D. Kokate, Principal

2. Procedure for Framing and Compliance of Department Academic Calendar

Authors:

Dr. M.R.Sanghavi, Vice Principal and Head of Department

Rajiv R Bhandari, Assistant Professor

Bhavana A Khivsara, Assistant Professor

Kainjan M Sanghavi, Associate Professor

Dr. M. D. Kokate, Principal

3. Process of Continuous Assessment

Authors:

Dr. M.R.Sanghavi, Vice Principal and Head of Department

Bhavana A Khivsara, Assistant Professor

Kainjan M Sanghavi, Associate Professor

Dr. M. D. Kokate, Principal

4. Process for Student Feedback of Teaching Learning Process and Action

Authors:

Dr. M.R.Sanghavi, Vice Principal and Head of Department

A J Shakadwipi, Assistant Professor

S V sinha, Assistant Professor

B A Khivsara, Assistant Professor

K M Sanghavi, Associate Professor

Dr. M. D. Kokate, Principal

5. Process for Internal Assessment Question Paper Setting and Evaluation

Authors:

Dr. M.R.Sanghavi, Vice Principal and Head of Department

S B Ambhore, Assistant Professor

B A Khivsara, Assistant Professor

K M Sanghavi, Assistant Professor

Dr. M. D. Kokate, Principal





## STAFF ACHIEVEMENT



Hearty Congratulation to all Authors!!!!!!

1. Research paper of Dr. Khyati Nirmal and Dr. Rajiv Bhandari along with students has been published in a prestigious UGC Care Approved, Group I, Peer Reviewed Journal Industrial Engineering Journal!

Title:

MACHINE LEARNING-BASED REAL-TIME OBJECT DETECTION LEARNING AND OCR FOR ASSISTING THE VISUALLY IMPAIRED

Authors:

Aditi Kolhe, Sapana Shinde, Sakshi Jadhav, Sayali Vyavahare, Dr.Rajiv R. Bhandari, Dr. Khyati R. Nirmal

ISSN Number:

0970-255

2.Research paper of Dr. Khyati Nirmal and Dr. Rajiv Bhandari along with students has been published in a prestigious UGC Care Approved, Group I, Peer Reviewed Journal Industrial Engineering Journal!

Title:

HELMET VIOLATION DETECTION AND NUMBER PLATE EXTRACTION USING DEEP LEARNING


Authors:

Pranali Avhad, Sakshi Musmude, Punam Jadhav, Dr.Rajiv R. Bhandari, Dr. Khyati R. Nirmal




# STAFF ACHIEVEMENT

*Congratulations!*



**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

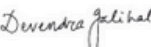


This certificate is awarded to  
**SANDEEP SUBHASHRAO WADNER**  
for successfully completing the course  
**Python for Data Science**


with a consolidated score of **70** %


Online Assignments	21.25/25	Proctored Exam	48.33/75
--------------------	----------	----------------	----------


Total number of candidates certified in this course: **7596**

  
**Prof. Devendra Jaliha**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Aug 2023**  
(4 week course)

  
**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras

 Indian Institute of Technology Madras





**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**MS YOGITA KESHAV DESAI**  
for successfully completing the course  
**Research Methodology**

with a consolidated score of **81** %

Online Assignments	22.92/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **3794**


  
**Prof. Devendra Jaliha**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Aug-Oct 2023**  
(8 week course)

  
**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras

 Indian Institute of Technology Madras





**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**GUNJAN HIMMATRAO DESHMUKH**  
for successfully completing the course  
**Research Methodology**

with a consolidated score of **87** %

Online Assignments	22.5/25	Proctored Exam	64.07/75
--------------------	---------	----------------	----------


Total number of candidates certified in this course: **3794**

  
**Prof. Devendra Jaliha**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Aug-Oct 2023**  
(8 week course)

  
**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras

 Indian Institute of Technology Madras









# STUDENT ACHIEVEMENT







SNJB's Late Sau K. B. J. College of Engineering, Chandwad  
Department of Computer Engineering




### Smart Door Lock System for Laptop Box using Fingerprint




- Step - 1 : Switch ON Power Supply



- Step - 2 : Wait till the blue light will be ON upon fingerprint scanner



- Step - 3 : Scan your Register fingerprint then Buzzer will on



- Step - 4 : Door of box will open and To close the Box only push the door

- Components are used :
  - 1.Arduino Uno
  2. Relay 12VDC with PC
  3. Solenoid Latch
  - 4.SD card module
  - 5.Buzzer module
- Guided by :

Ms.Madhuri D.Kawade
- Project Maintained by :
  - 1.Siddhant S. Gujrathi (TE COMP A)
  2. Vedant V. Trivedi (TE COMP A)
  - 3.Akshat R. Tated (TE COMP A)
  - 4.Sujal M. Lodha (TE COMP A)
  5. Pratik S. Shinde (TE COMP A)







# STUDENT ACHIEVEMENT



## Copyrighted Work:

### Title of Work: PROCESS OF SMART POULTRY FARM AUTOMATION AND MONITORING SYSTEM

Authors: 1.RUTUJA MANIK DESHMANE  
2.MAHIMA VISHAL KASLIWAL  
3. LEESHA RAJESH JAIN  
4.TEJASWINI DAGDULALJI MUTHA

Guide: DNYANESHWAR SAVLIRAM RAJNOR




## Patent

### BIRD AND DRONE DEFLECTOR

#### Authors:

- 1.Aayush Sanjay Jain
2. Anjali Jagdish Patil
- 3.Tejas Hiralal Lodaya
- 4.Prerana D Gangurde
- 5.Kartik M Bhavsar
- 6.Yash Anil Jadhav
- 7.Dnyaneshwar S Rajnor
- 8.Kainjan M Sanghavi
- 9.Gunjan H Deshmukh
- 10.Hemraj R Kumavat

**IJARSCT**  
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)  
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal  
Impact Factor: 7.53

ISSN (Online) 2581-9429  
Volume 4, Issue 6, May 2024

## Anti-Drone System

**Prof. Dnyaneshwar S. Rajnor, Anjali Patil, Tejas Lodaya, Aayush Jain, Prerana Gangurde**  
Department of Computer Engineering  
SNJB's Late Sau. K. B. Jain College of Engineering, Chandwad, Nashik, India

**Abstract:** The "Anti-Drone System" project aims to design, develop, and implement a comprehensive solution for detecting, tracking, and mitigating unauthorized drone activity. As the use of drones becomes increasingly prevalent in various sectors, there is a growing need to address the security and privacy concerns associated with their misuse. This project focuses on the creation of a multi-faceted system that combines cutting-edge technologies such as radar, radio frequency (RF) analysis, and optical sensors to identify and respond to drones effectively. The system will provide real-time monitoring and alerts, enabling rapid response to potential threats. With a strong emphasis on both hardware and software integration, this project strives to offer a reliable, cost-effective, and scalable solution to protect critical infrastructure, public events, and private property from unauthorized drone incursions.

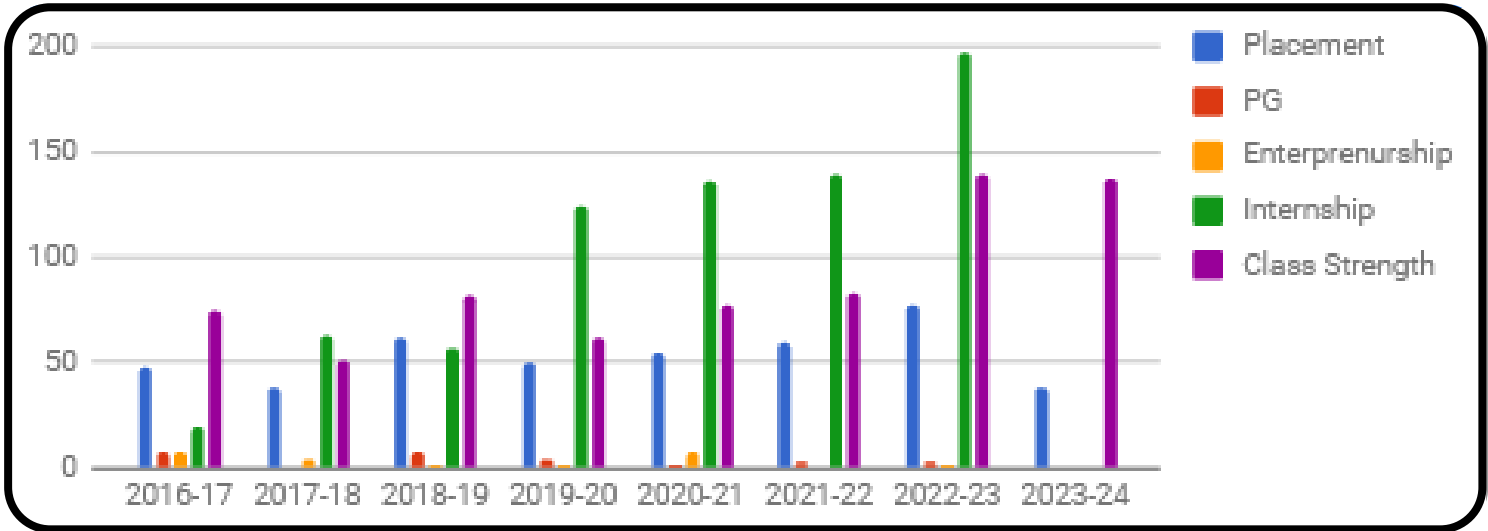




# Training & Placement Dashboard



Academic Year	Placement	PG	Enterprenurshi p	Internship	Total Count	Class Strength	% Percentage
2016-17	48	7	7	19	62	75	83
2017-18	38	0	4	63	42	51	83
2018-19	62	7	1	57	70	82	86
2019-20	50	4	1	124	55	62	89
2020-21	55	1	7	136	63	77	82
2021-22	59	3	0	139	62	83	75
2022-23	77	3	1	197	81	139	59
2023-24	38	0	0	0	38	137	28



Placement



# Training & Placement Dashboard

Sr.No	Name of Student	Company Name	Designation	Location	Package
1	SUGANDHI RISHU RAJESH	Growupp	Business Development Associates	Pune	10
2	MOKAL YOGESH CHINDHU	Hexaware	Graduate Engineering Trainee	Pune	4
		Netwin	Software Developer	Nashik	4
3	WANI SHREYAS DEEPAK	Hexaware	Graduate Engineering Trainee	Pune	4
4	AHER POONAM APPASAHEB	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
		Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
5	JOSHI KIMYA DNYANESHWAR	Learnmedix	Business Development Associates	Pune	5
6	RAVNE HIMANSHU NITIN	Learnmedix	Business Development Associates	Pune	5
7	DAMRE SAINATH KAILAS	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
8	SHAIKH AMREEN NISAR	Propix	Software Development and Testing	Pune	1.2
9	KAPADNIS APEKSHA PRALHAD	Persistent	Software Engineer	Pune	5.01
10	KELHE JAYESH DIPAK	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
11	AGHAV RUTUJA VILAS	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
12	KHAIRNAR GAURAV BHARAT	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
13	KANDALKAR PRIYANKA BHIKA	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
14	DEORE RUCHIKA BALU	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
		Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
15	ZANJARI AKASH SUNIL	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
		Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
16	RAHANE PRATHAM GIRISH	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
17	MORE PRATIKSHA JAGDISH	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
18	JAIN SHRUTI ANUP	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8





# Training & Placement Dashboard

Sr.No	Name of Student	Company Name	Designation	Location	Package
19	KAPADNIS SNEHA SATISH	CODETOWN EDTECH Pvt. Ltd.	Business Development Executive	Pune	1.8
20	BHANSALI KUNAL SURESH	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
21	GUPTA VAISHNAVI VIJAY	Demium Research Pvt. Ltd	Business Development Executive	Nashik	2.52
22	VYAS SAKSHI VIJAY	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
23	LOKHANDE KRUSHNA VITTHAL	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
24	AHIRE ABHISHEK RAMAKANT	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
25	GANDHI SAKSHI SANTOSH	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
26	PATIL LALIT ANIL	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
27	PATIL RUGVED PRADIP	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
28	BORSE SHRIKANT SHAILESH	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
		Jaro Education	Graduate Trainee	Pune	6.78
29	GANGURDE PRERANA DATTA	Demium Research Pvt. Ltd	Business Development Executive	Pune	2.52
30	BELSARE VEDANT RAJESH	Intellipat	Business Development Trainee	Pune	7.25
31	MORE PRATIKSHA JAGDISH	ApMoSys Technologies Private Limited	Trainee-Software Engineer	Pune	2.13
32	WANI MAYURESH DYANESHWAR	EagleByte Solution pvt Ltd	Jr. React Developer Trainee	Pune	3.2

## एसएनजेबी महाविद्यालयातील गितिकाला ९.५० लाखांचे पॅकेज

चांदवड । येथील श्री नेमिनाथ जैन ब्रह्मचर्याश्रम संचालित स्व. सौ. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागात शिकत असणाऱ्या गितिका बन्सल या विद्यार्थिनीला इन्फोसिसकडून ९.५० लाखांचे सर्वात मोठे पॅकेज मिळाले.

याप्रसंगी प्राचार्य डॉ. आर. जी. तातेड यांनी मत व्यक्त केले. इंजिनीअरिंगच्या विद्यार्थ्यांसाठी

प्लेसमेंट हा विषय महत्वाचा असतो. त्यात केवळ पुस्तकी ज्ञान पुरेसे नाही. वासाटी कंपन्यांमध्ये सध्या वापरण्यात येणाऱ्या तंत्रज्ञानाविषयी माहिती असणे व असे तंत्रज्ञान शिकून घेणे काळाची गरज झालेली आहे. त्याच संधीचा फायदा घेत गितिका हिने यशाचे शिखर गाठले. तिच्या यशाबद्दल संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती, विश्वस्त समितीचे उपाध्यक्ष दिनेशकुमार



लोढा, सेक्रेटरी जवाहरलाल आबड, प्रबंध समितीचे अध्यक्ष अजितकुमार सुराणा, उपाध्यक्ष अरविंदकुमार

भन्साळी, तसेच प्रबंध समितीचे सहमानंद सचिव व महाविद्यालयाचे समन्वयक शुंवरलाल भंडारी व

सुनीलकुमार चोपडा आदींसह सर्व विश्वस्त मंडळ उपस्थित होते.

Nashik Edition  
 Aug 13, 2023 Page No. 12  
 Powered by : eReleGo.com

## लोकमत

## डॉ. महेश संघवी यांची समिती सदस्यपदी निवड

लोकमत न्यूज नेटवर्क

चांदवड : येथील कांताबाई भवरलाल



जैन अभियांत्रिकी महाविद्यालयाचे उपप्राचार्य डॉ. महेश संघवी यांची द इन्स्टिट्यूट ऑफ

इंजिनिअर्सच्या महाराष्ट्र राज्य केंद्रातील संगणक विभागात मतदानाद्वारे समिती सदस्य म्हणून निवड झाली.

डॉ. संघवी हे संगणक अभियांत्रिकी क्षेत्रातील नामवंत व्यक्ती आहेत. त्यांची नियुक्ती या क्षेत्रातील योगदानाचा

दाखला आहे. डॉ. संघवी कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयात उपप्राचार्य म्हणून कार्यरत आहेत. त्यांनी एसएनजेबी अभियांत्रिकी महाविद्यालयात दोन दशकांहून अधिक काळ काम केले आहे. अभ्यासक्रम आणि संशोधन उपक्रमांच्या विकासामध्ये त्यांचा सक्रिय सहभाग आहे. डेटाबेस व्यवस्थापन प्रणाली, डेटा मायनिंग या क्षेत्रातील त्यांचे कौशल्य संस्थेसाठी अमूल्य आहे. डॉ. संघवी यांच्या यशाबद्दल प्राचार्य डॉ. आर. जी. तातेड, विभागप्रमुख, शिक्षक, शिक्षकेतर कर्मचारी व विद्यार्थ्यांनी स्वागत केले.



आपलं महानगर 

## चांदवड : एसएनजेबीत अनुभवात्मक शिक्षणावर कार्यशाळा

**चांदवड ।** अभियांत्रिकी महाविद्यालयातील संगणक अभियांत्रिकी विभाग आणि आर्टिफिशियल इंटेलिजन्स आणि डेटा सायन्स विभाग यांनी अलीकडेच विद्यार्थ्यांच्या शिक्षणाचा अनुभव वाढविण्याच्या उद्देशाने एक 'अनुभवात्मक शिक्षण' सत्र आयोजित केले होते. या कार्यक्रमात मान्यवर वक्ते आशिष रंगारी आणि विशाल देशमुख उपस्थित होते.

ज्यांनी विद्यार्थ्यांमध्ये सहयोगी शिक्षण, सर्जनशील विचार आणि नाविन्य निर्माण करण्यासाठी डिझाइन केलेल्या नाविन्यपूर्ण क्रियाकलाप आधारित शिक्षण पद्धती सादर केल्या.

'प्रायोगिक शिक्षण' हा एक अध्यापनशास्त्रीय दृष्टीकोन आहे जो व्यावहारिक, प्रत्यक्ष अनुभवांद्वारे शिक्षणावर भर देतो. हे विद्यार्थ्यांना त्यांच्या निवडलेल्या क्षेत्राची सखोल

समज वाढवून, वास्तविक-जगातील परिस्थितींमध्ये वर्गातील सिद्धांत लागू करण्यास अनुमती देते.

आयोजन प्रा. गुंजन देशमुख आणि प्रा. विद्या खैरनार यांच्या समर्पित प्रयत्नातून विद्यार्थ्यांचे व्यावहारिक ज्ञान वाढवण्याच्या उद्देशाने संगणक विभागप्रमुख डॉ. के. एम. संघवी व आर्टिफिशियल इंटेलिजन्स आणि डेटा सायन्स विभागप्रमुख प्रमुख डॉ. आर.आर.भंडारी यांच्या मार्गदर्शनाखाली करण्यात आले. कार्यक्रमाचे सूत्रसंचालन द्वितीय वर्षाच्या विद्यार्थ्यांनी आस्था लोखंडे आणि पूजा बोराडे यांनी केले.

संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती, विश्वस्त समितीचे उपाध्यक्ष व महाविद्यालयाचे समन्वयक दिनेशकुमार लोढा, सेक्रेटरी जवाहरलाल आचड, प्रबंध समितीचे अध्यक्ष अजितकुमार सुराणा, उपाध्यक्ष अरविंदकुमार भन्साळी, तसेच प्रबंध समितीचे सहमानद सचिव व महाविद्यालयाचे समन्वयक शुंकरलाल भंडारी व सुनीलकुमार चोपडा आदींसह सर्व विश्वस्त मंडळ व सर्व प्रबंध समितीचे सदस्य तसेच प्राचार्य डॉ. आर. जी. तातेड, उपप्राचार्य डॉ. एम. आर. संघवी यांनी शुभेच्छा दिल्या.

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पुढारी 

## प्रा. सिन्हा यांना ड्रोनसाठी संशोधन अनुदान प्राप्त

**चांदवड : पुढारी वृत्तसेवा**

येथील कांताबाई जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागातील प्रा. एस. व्ही. सिन्हा यांना 'निरीक्षण व कीटकनाशक फवारणीसाठी कृषी ड्रोन (ऑग्रिकल्चर ड्रोन फॉर मॉनिटरिंग ऑण्ड स्प्रेइंग पेस्टिसाइड) या पेटेंटसाठी संशोधन अनुदान प्राप्त झाले. सध्याच्या तंत्रज्ञानाच्या युगात ड्रोनचा वापर हा विविध क्षेत्रांत विविध कामांमध्ये करण्यात येत आहे. त्यात भारतासारख्या कृषिप्रधान देशामध्ये आधुनिक तंत्रज्ञानाचा वापर करणे ही काळाची गरज झालेली आहे. याच संधीचा फायदा घेत कृषी ड्रोनवर संशोधन करण्यात आले व त्यात यशस्वीरीत्या पेटंट केले अशी माहिती प्रा. सिन्हा यांनी दिली. पेटंटसाठी मिळालेल्या संशोधन अनुदानाबद्दल संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती प्राचार्य डॉ. आर. जी. तातेड यांनी अभिनंदन केले.

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लोकमत

## एस.एन.जे.बीच्या विद्यार्थ्यांनी आधारतीर्थमध्ये केले रक्षाबंधन

**चांदवड :** येथील कांताबाई भवरलाल जैन अभियांत्रिकी महाविद्यालयातील सोशल क्लब टीमने रक्षाबंधननिमित्त त्र्यंबकेश्वर येथील आधारतीर्थ आश्रमास भेट देऊन तेथे रक्षाबंधन साजरे केले तेथील अनाथ विद्यार्थ्यांना शालोपयोगी वस्तू व खाऊ वाटून अनोख्या पद्धतीने रक्षाबंधन साजरे केले.

कार्यक्रमाच्या यशस्वितेसाठी प्रा. दीपाली पवार आणि प्रा. अमोल शाकाद्विपी यांचे मार्गदर्शन मिळाले. असे उपक्रम आपल्याला सामाजिक जीवनात सामाजिक जबाबदारीसाठी प्रेरित करतात. या विद्यार्थ्यांद्वारे आयोजित केलेल्या कार्यक्रमाबद्दल संस्थेच्या विश्वस्त समितीने शुभेच्छा दिल्या. (वा.प्र.)

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# STUDENTS ARTICLES

## The Impact of Artificial Intelligence in Education

Artificial Intelligence (AI) is transforming various sectors, and education is no exception. From personalized learning experiences to administrative efficiency, AI is paving the way for a more dynamic and interactive educational landscape. This article explores the multifaceted impact of AI in education, its benefits, challenges, and future prospects.

### Personalized Learning Experiences

One of the most significant contributions of AI in education is the ability to provide personalized learning experiences. Traditional education systems often follow a one-size-fits-all approach, which may not cater to the individual needs of every student. AI, through adaptive learning technologies, can analyze a student's learning patterns, strengths, and weaknesses. Based on this data, AI systems can tailor educational content to meet each student's unique needs. For instance, platforms like DreamBox and Knewton use AI algorithms to adjust the difficulty level of tasks in real-time, ensuring that students remain engaged and challenged.

### Intelligent Tutoring Systems

Intelligent Tutoring Systems (ITS) are another AI-driven innovation enhancing the learning experience. These systems can provide real-time feedback and support to students outside the traditional classroom setting. For example, Carnegie Learning's MATHia uses AI to offer personalized math tutoring, helping students understand complex concepts at their own pace. ITS can also identify when a student is struggling and provide additional resources or adjust the teaching strategy accordingly.

### Administrative Efficiency

AI is not only revolutionizing the learning experience but also streamlining administrative tasks. Educational institutions often deal with a significant amount of paperwork and repetitive tasks, such as grading, scheduling, and admissions. AI-powered tools can automate these processes, allowing educators to focus more on teaching and interacting with students. For example, AI-based grading systems can evaluate multiple-choice and short-answer questions quickly and accurately, reducing the workload for teachers.

### Enhanced Student Engagement

AI can significantly enhance student engagement through interactive and immersive learning experiences. Virtual Reality (VR) and Augmented Reality (AR), powered by AI, can create immersive educational environments. These technologies can transport students to different historical periods, simulate scientific experiments, or even visualize complex mathematical concepts, making learning more engaging and effective. Platforms like Nearpod and Google Expeditions are already utilizing VR and AR to create interactive lessons that captivate students' attention.

### Challenges and Ethical Considerations

While AI holds great promise for education, it also presents several challenges and ethical considerations. One of the primary concerns is data privacy. AI systems rely on vast amounts of data to function effectively, raising concerns about the security and privacy of student information. Educational institutions must ensure robust data protection measures to safeguard sensitive information.

Sagar Sharma(BE B)



# STUDENTS ARTICLES

## The Evolution and Impact of Drone Technology

Drone technology, also known as unmanned aerial vehicles (UAVs), has rapidly evolved from its initial military applications to a diverse array of uses across various sectors. These versatile machines are now integral to industries such as agriculture, logistics, photography, and emergency services. In agriculture, drones are revolutionizing farming practices by providing precise aerial surveys, monitoring crop health, and optimizing the application of fertilizers and pesticides. This not only enhances yield but also promotes sustainable farming practices. In logistics, companies like Amazon and UPS are exploring drone delivery systems to expedite shipping and reduce costs, promising a future where goods can be delivered quickly and efficiently to even the most remote locations. The field of photography and film making has been transformed by drones, offering breathtaking aerial shots and perspectives that were previously impossible or prohibitively expensive. Moreover, drones play a critical role in emergency services, assisting in search and rescue operations, disaster management, and firefighting by providing real-time aerial footage and access to hard-to-reach areas. However, the proliferation of drone technology also raises significant regulatory and privacy concerns. Governments worldwide are grappling with the need to develop comprehensive regulations that ensure safe and responsible drone use while balancing innovation and public safety. Privacy issues are particularly pertinent as drones can easily intrude into private spaces, necessitating stringent measures to protect individuals' rights. Despite these challenges, the potential of drone technology continues to expand, driven by advancements in AI and machine learning that enhance their capabilities and autonomy. As drones become more sophisticated, their applications will likely grow, further embedding them into the fabric of modern society and driving innovation across numerous fields.

Ayush Jain(BE A)





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