ESTD - 1928

SNJB

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

Department of Computer Engineering

News Bulletin

Computer Buzz

Volume: 9 , Issue: 2 AY. 2023-24 (Semester II)

Jain Gurukul) Neminagar (02556)253750
Chandwad-423101. Dist: Nashik(Maharastra,India) http://www.snjb.org

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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.

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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

SNJB

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-2. 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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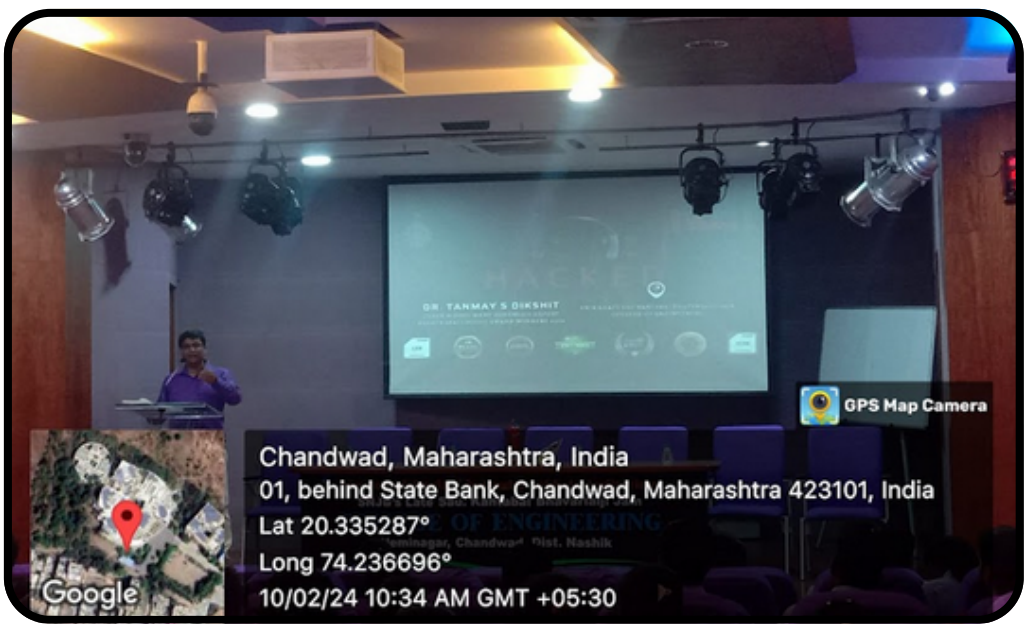
Event

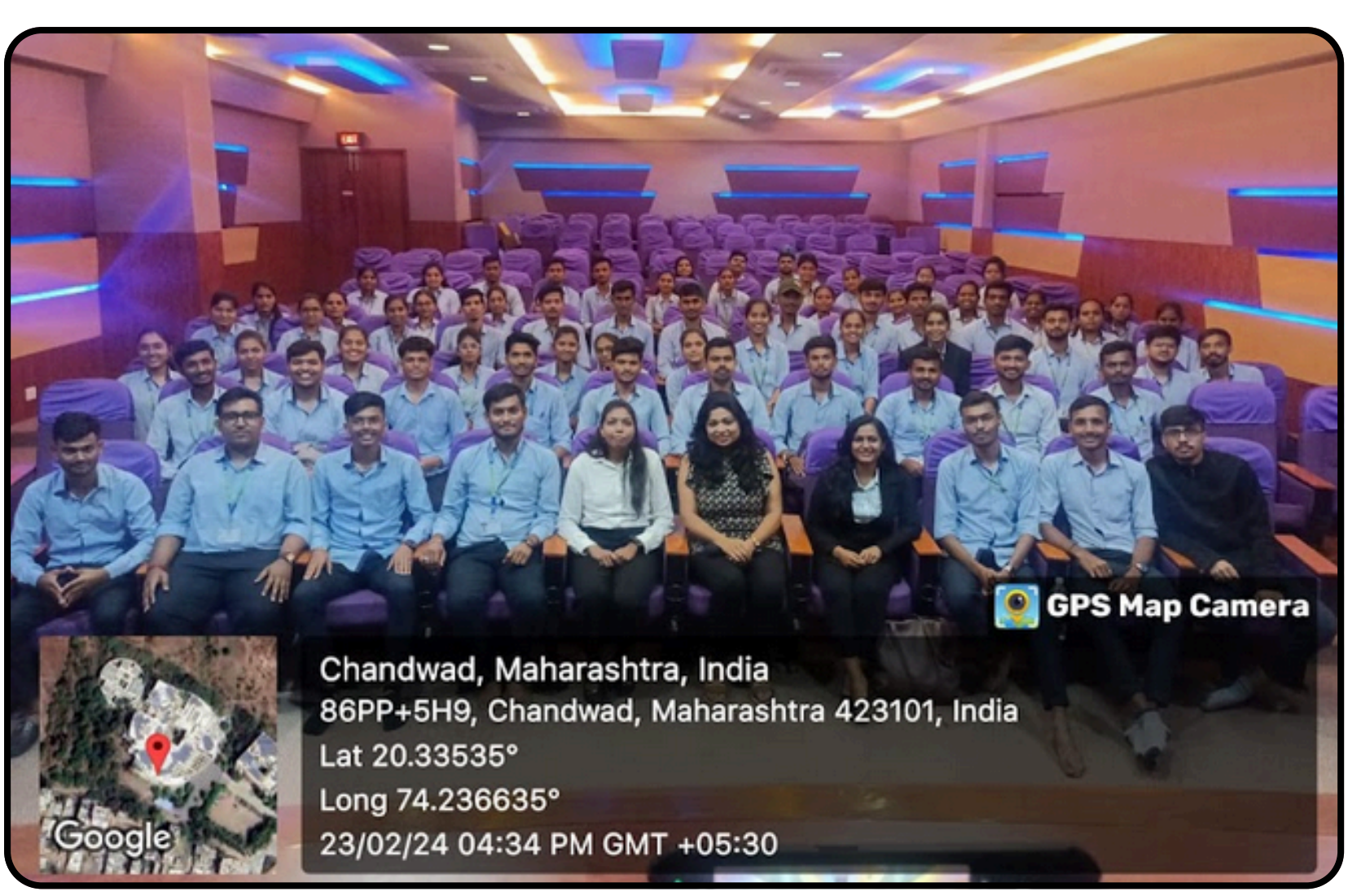
SR. NO	NAME OF EVENT	DATE OF CONDUCTION	RESOURCE PERSON
1	PDRL Event: Recent Advancement in Drone Assembly	27/1/2024	NA
2	Industrial Visit to Sarda Farm	4/2/2024	NA
3	Expert Session on CyberShield	10/2/2024	Mr. Tanmay Dixit
4	Rubicon Soft and Life Skill Training	20/2/2024 to 23/2/2024	Ms. Sanchi Mate
5	Carrier Opportunities and Enterprenurship in Foreign Country	24/2/2024	NA
6	LINKEDIN Profile Building Workshop	26/2/2024	Mr. Tanmay Dixit
7	One Day Handson workshop on Salesforce Cloud	2/3/2024	Mr. Mukund Mundada
8	Grayphon Softskill, Aptitude and Technical Training	21st to 27th August 20239 Sept to 13 Sept 202326 Dec to 29 Dec 2023	Ms. Geetu D'Souza Mr. Pritesh Chumble Mr. Vinesh Khair Mr. Hafeez Shaikh
9	One Day Handson workshop on Microsoft azure and Amazon EC2 Web services	9/3/2024	Mr. Ashish Surana
10	Workshop on Website Development	9/3/2024	NA
11	Science of happiness	9/3/2024	NA
12	STATE LEVEL EVENT-InnoFusion Summit 2024	1/4/2024 to 2/4/2024	NA
13	National Level Project Competition-Shodh2k24	2/4/2024, 6/4/2024	NA
14	Hands on Session on Advance Tools on Software Engineering:JIRA,KANBAN	6/4/2024	NA
15	Farewell	19/4/2024	NA
16	Server Side Web Hosting	15/4/2024	Mr. Umesh Khivsara
17	Expert Session on The Secret to Success-Balance	27/4/2024	NA
18	PBL Project Exhibition	30/4/2023	NA

GLIMPSES OF EVENTS

Expert Session on CyberShield
By Mr. Tanmay Dixit



Rubicon Soft and Life Skill Training
by Ms. Sanchi Mate



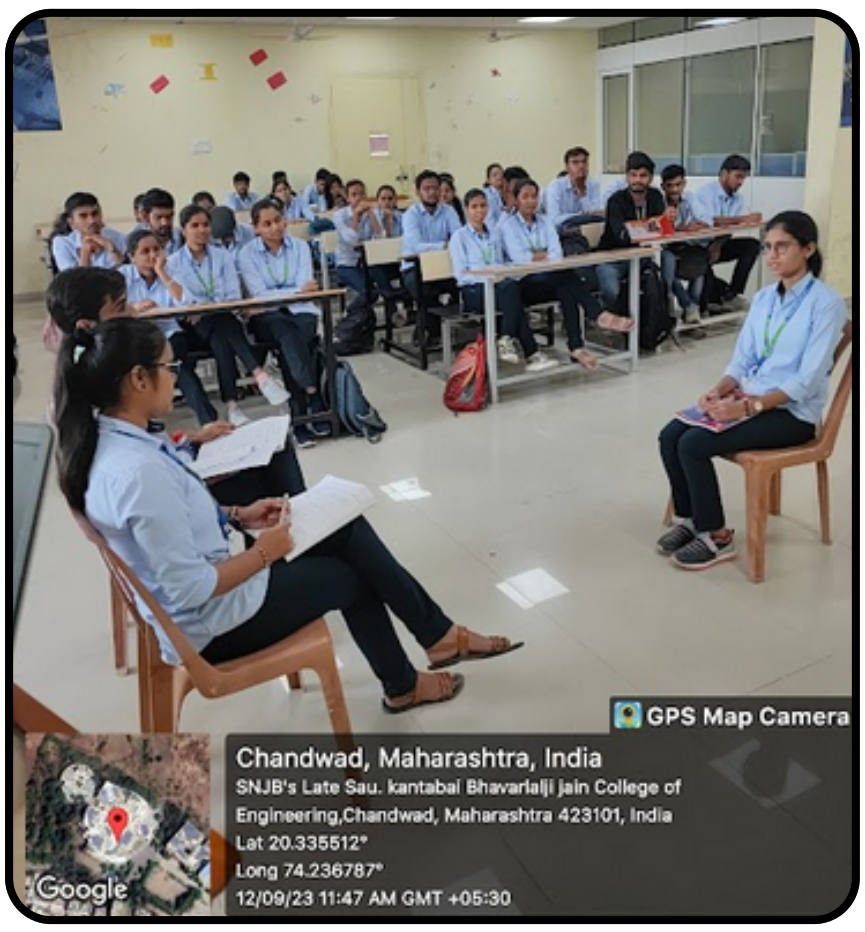
GLIMPSES OF EVENTS

LINKEDIN Profile Building Workshop
By Mr. Tanmay Dixit

One Day Handson workshop on Salesforce Cloud
Mr. Mukund Mundada

GLIMPSES OF EVENTS

Grayphon Softskill, Aptitude and Technical Training
By Ms. Geetu D'Souza Mr. Pritesh Chumble Mr. Vinesh Khair Mr. Hafeez Shaikh



One Day Handson workshop on Microsoft azure and Amazon EC2 Web services
Mr. Ashish Surana

GLIMPSES OF EVENTS

SHODH-2K24 PROJECT COMPETITION
Coordinated by: Prof. M. D. Kawade & Prof. D. S. Rajnor

Faculty Development Program
Coordinated by: Dr. S. A. Chavan & Dr. N. P. Bora

STAFF ACHIEVEMENT

Felicitation by Management

STAFF ACHIEVEMENT

Felicitation by Management

STAFF ACHIEVEMENT

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STAFF ACHIEVEMENT

Institute has been approved a EQP Fund of Rs. 133600/- under Financial Assistance for the purchase of office/Lab and Educational Equipment by SPPU.

Proposal Coordinator
Dr. N. P. Bora

Assisted by
Dr. M. B. Kedar

Dr. Neha Pradyumna Bora published paper in Scopus journal 💐

📍 Paper Title* : Enhancing Computer Science: Exploring the Power of Decentralized
Blockchain Techniques in IoT Security and Privacy

📍 Journal Name : International Journal of Intelligent system and application of Engineering

📍 Published Month- Feb 2024

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STAFF ACHIEVEMENT

Mr.Amol Shakadwipi published paper in Scopus journal Quartile Q2 💐

📍 Paper Title* : Fraud Detection System for Identity Crime using Blockchain Technology and Data Mining Algorithms.
📍 Journal Name : International Journal of Intelligent system and application of Engineering
📍 Published Month- JAN 2024
📍 Author- Amol Jagdish Shakadwipi.

Parag Sir received course registration amount for his Udemy Course for January '24 month : $150+

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STAFF ACHIEVEMENT

Research Paper Publication by Faculty

Sr. No	Staff Name	Paper Title	Journal/Conference
1	DR. M. R. SANGHAVI DR. K. M. SANGHAVI PROF. B. A. KHIVSARA	“The Jio Revolution: Transforming India's Digital Landscape	Indian Journal of Technical Education
2	PROF. B. A. KHIVSARA DR. M. R. SANGHAVI DR. K. M. SANGHAVI	Unveiling The Landscape Of Big Data: Challenges, Tools, Applications, And Future Horizons – A Systematic Review	Industrial Engineering Journal (UGC Care)
3	Prof. P. A. Achaliya Dr. Sandeep Monga	A Survey on Machine Learning Based Handwritten Character Recognition	Indian Journal of Technical Education
4	PROF. B. A. KHIVSARA DR. MAYA RATHORE	Privacy-Preserving Methods and Predictive Utility in E-Healthcare: A Systematic Review	Indian Journal of Technical Education
5	Dr. N. P.Bora Prof. P. M. Bora Prof. D.P.Pawar	Smart and Innovative Solution for Sustainable Bud Picking	NATURALISTA CAMPANO
6	Prof. M.D. kawade Dr. S.A.Chavan	Municipal Corporation Water Distribution in Rural Area using IOT	THE INDIAN JOURNAL OF TECHNICAL EDUCATION (UGC Care)

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STAFF ACHIEVEMENT

Research Paper Publication by Faculty

Sr. No	Staff Name	Paper Title	Journal/Conference
7	MR.DNYANESHWAR RANJOR, MR. SANTOSH AMBHORE MR.GHANSHYAM DHOMSE	Detection of Perishable Apple	UGC Care-Industrial Engineering Journal.
8	PROF. WADNERE S. S. PROF. D. R. AGRAWAL PROF. LEKHA SURANA PROF. DHOMSE G. P. PROF. PRASHAANT KOLI PROF. DESAI P. S.	Optimizing The Distribution of Resaources and Task Delegation Strategies in Edge Computing Environments	Journal of Computational Science and Engineering
9	PROF. S.V.SINHA PROF. LEKHA SURANA PROF. DHOMSE G. P. PROF. S.S.WADNERE PROF. S.B.AMBHORE	Agro Consultant -Crop Recommendation & Cost Estimation	Journal of Computational Science and Engineering
10	MR. G.P. DHOMSE DR. M. R. SANGHAVI MS. S. V. SINHA MS. L. I. SUARANA	Exploring the Diversity of Machine Learning Algorithm and their Real-world Applications: A Review	National Conference Computing , Communication & Intelligent System NC-CCIS 2024
11	PROF. Y. K. Desai PROF. S. A. Chavhan PROF. G. H. Deshmukh PROF. M. R. Sanghavi PROF. K. M. Sanghavi	AgriChain: Reinventing Agriculture with Blockchain and Supply Chain Integration	Journal of Computational Science and Engineering
12	PROF. S. A. Chavhan PROF. Y. K. Desai PROF. G. H. Deshmukh PROF. M. R. Sanghavi PROF. K. M. Sanghavi	LibChain – Library Management System using Blockchain	Journal of Computational Science and Engineering

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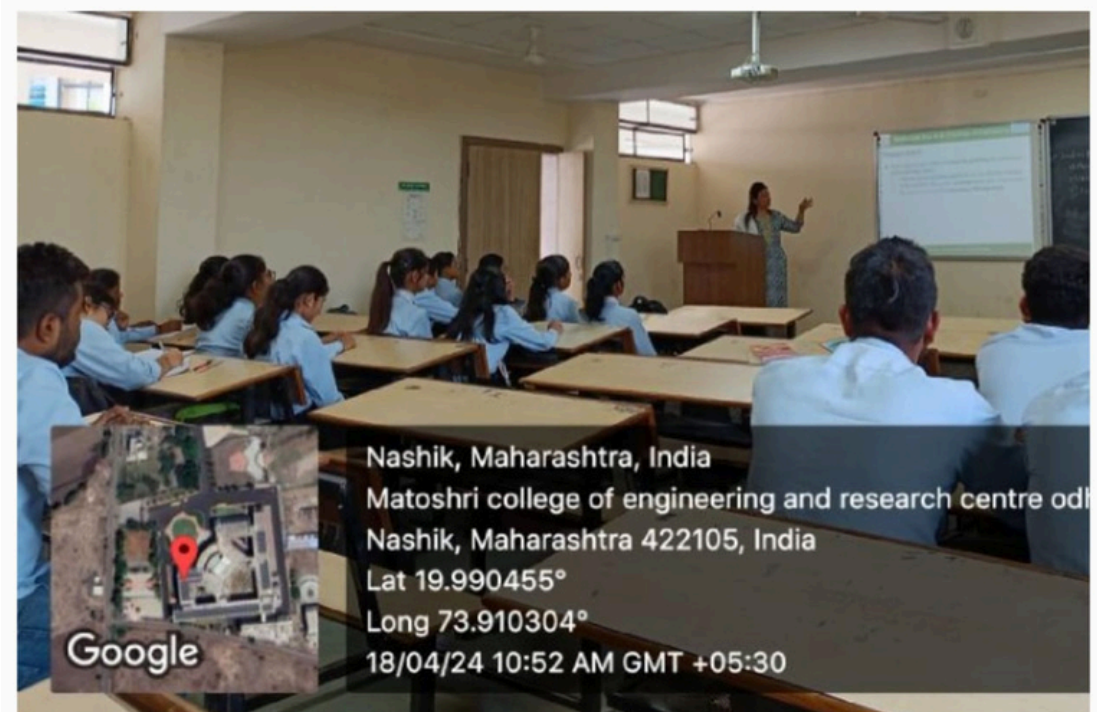
STAFF ACHIEVEMENT

Dr.Khyati R Nirmal has served as Session Chair at International Conference on Recent Trends and Advancements in Computer Technologies at AVCOE, Sangmner on date 25th February 2024

Dr. Khyati R. Nirmal published paper on"PCOScare: Conventional Machine Leanring Classifiers for Diagnosis and Preventaion" in International Journal of Intelligent system and application of Engineering (Q3) Journal



Dr. Khyati R Nirmal has delivered Expert talk on "Implementong Packages, Interfaces, Exception handling using Java programming." dated on 18th April 2024 at "Matoshri College of Engineering, Nashik"

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STUDENT ACHIEVEMENT

🌟 Exciting News! 🌟

BEComp div A student *Gite Nikita has scored an impressive 99 marks in the Machine Learning Course!

🎉 Course in charge:
Dr. Khyati R Nirmal

Regards

Dept Head:
Dr.Kainjan M. Sanghavi and all faculty members

Securing 2nd Prize in Conference Paper Presentation under Computer Track in National Conference on Emerging Trends in Engineering and Science (NCETES-2023)

Project Details
Name: SMART Interview System

Name of students
Swayam Dugaje
Sanjeevani Gandhakshe
Pranita Borse
Sakshi Vyas

Project Guide
Dr. Kainjan Sanghavi

STUDENT ACHIEVEMENT

Students published the Patent named
SMART GLASS FOR VISUALLY IMPAIRED on 23/02/24

1.Soham S Belokar
2.Rohit Jitendra Jain
3.Jayesh B Suryawanshi
4.Himanshu N Ravne
5.Ghanshyam P Dhomse
6.Pankaj S Desai
7.Madhuri D Kawade
8.Sachin P Belokar
9.Hemraj R Kumavat

Research Paper on E-healthcare infrastructure using the SaaS tool for healthcare, WellNexa, Received Best Paper Award ✨ in the International Conference on Recent Trends and Advancements in Computing Technologies. Amrutvahini College of Engineering, Sangamner.

Paper is also selected for UGC Care Journal

This paper was successfully presented under the valuable guidance of-

Prof. Bhavana A. Khivasara

This presentation was done by BE B students

1. Sahil Barve
2. Rishu Sugandhi
3. Kimya Joshi
4. Shrutika Jadhav

STUDENT ACHIEVEMENT

Research paper on Banquet Hall Management Systems Streamlining Event Operations in the Hospitality Industry has successfully presented paper International Conference on Recent Trends and Advancements in Computing Technologies. Amrutvahini College of Engineering, Sangamner.

Paper is also selected for UGC Care Journal

This presentation was done by BE students

Pratik V. Chhajed
Bhavarth S. Sonawane
Gavrav S. Patil
Raksha S. Wagh

Guide- Bhavana A. Khivasara

Research paper on STUDYSPHERE : - Web Based Study Focus Application has successfully presented paper International Conference on Recent Trends and Advancements in Computing Technologies. Amrutvahini College of Engineering, Sangamner.

Paper is also selected for Journal of Computational Science and Engineering (ISSN: 2583-9055)

This presentation was done by BE students

1. Yogesh Mokal
2. Shreyas Wani
3. Priyanka kandalkar
4. Sejal Raka

Guide- Bhavana A. Khivasara

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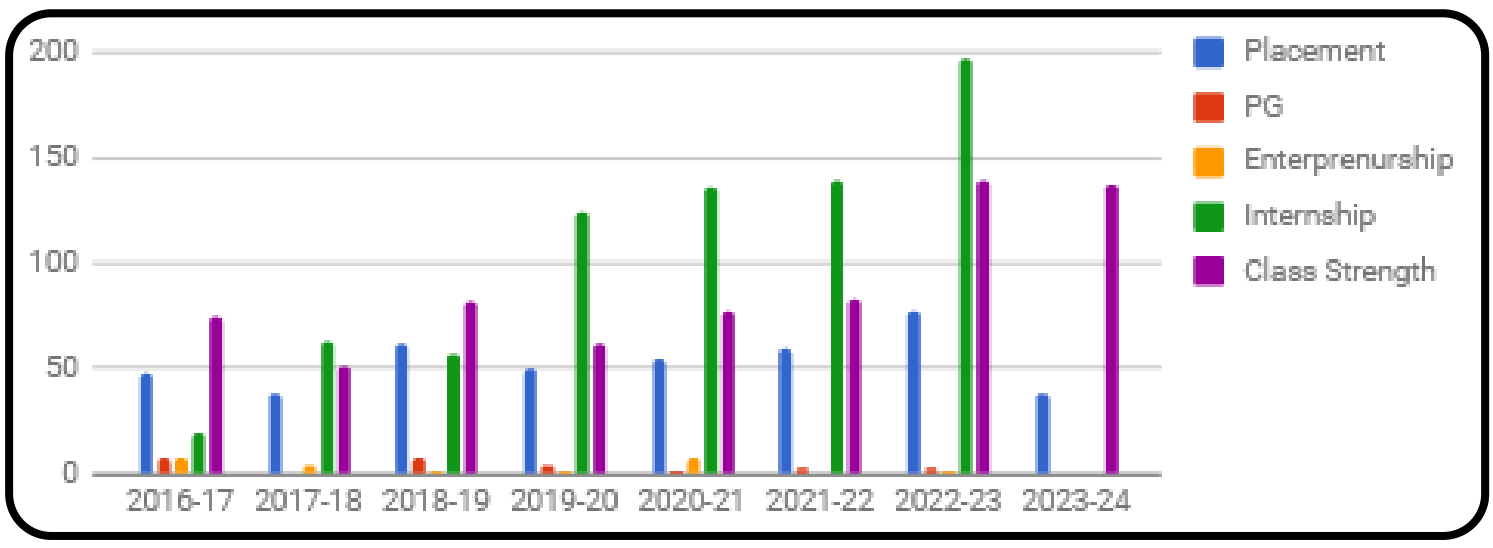
Training & Placement Dashboard

Academic Year	Placement	PG	Enterprenurship	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



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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	TCS	System Engineer	Mumbai	7
		Netwin	Software Developer	Nashik	4
		Hexaware	Graduate Engineering Trainee	Pune	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

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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 Developement 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 Trainne	Pune	3.2

दिव्य मराठी नाशिक.

गुरुवार, १४ मार्च २०२४

डॉ. कैंजन संघवी प्रतिष्ठित 'ग्लोबल पॉवरफुल वूमन' पुरस्काराने सन्मानित

चांदवड | येथील स्व. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील संगणक विभागप्रमुख डॉ. कैंजन महेश संघवी यांना एमसी स्टेम एड्युव्हर्सिटीतर्फे महिला दिनी 'टॉप १०० : ग्लोबल पॉवरफुल वूमन' म्हणून व्हाइस ऑफ एज्युकेशन या श्रेणीतील पुरस्काराने सन्मानित करण्यात आले. संघवी यांच्या शिक्षक, आयक्युएसी व नॅक समन्वयक आणि कृषि क्षेत्रातील महत्त्वपूर्ण संशोधन या कार्याची दखल घेऊन हा गौरवशाली पुरस्कार प्रदान करण्यात आला आहे. या यशाबद्दल डॉ. संघवी यांचे संस्थेच्या विश्वस्त मंडळाने कौतुक केले आहे.

आपलं महानगर | My महानगर .com

एसएनजेबीच्या विद्यार्थ्यांची क्षेत्र भेट

चांदवड । श्री नेमीनाथ जैन ब्रह्मचर्याश्रम संचालित स्व. सौ. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यायाच्या संगणक विभागातील द्वितीय वर्षाच्या ४० विद्यार्थ्यांसाठी नाशिकमधील सारडा फार्म येथे अभ्यास दौऱ्याचे आयोजन करण्यात आले होते. विद्यार्थ्यांना अभियांत्रिकी तत्त्वांच्या वास्तविक-जागतिक अनुप्रयोगांचा प्रत्यक्ष अनुभव मिळावा, हा या उपक्रमामागील हेतू होता.

प्रा. पराग आचलिया आणि पुजा हिरण यांच्या मार्गदर्शनाखाली आयोजित केलेल्या औद्योगिक भेटीबद्दल संस्थेच्या विश्वस्त समितीचे अध्यक्ष बेबीलाल संचेती, विश्वस्त समितीचे उपाध्यक्ष व महाविद्यालयाचे समन्वयक दिनेशकुमार लोढा, सेक्रेटरी जवाहरलाल आबड, प्रबंध समितीचे अध्यक्ष अजितकुमार सुराणा, उपाध्यक्ष अरविंदकुमार भन्साळी, तसेच प्रबंध समितीचे सहमानद सचिव व महाविद्यालयाचे समन्वयक झुंबरलाल भंडारी व सुनीलकुमार चोपडा आदींसह प्राचार्य डॉ. आर. जी. तातेड, उपप्राचार्य डॉ. एम. आर. संघवी, विभाग प्रमुख डॉ. के. एम. संघवी यांनी कौतुक केले.

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नावीन्यपूर्ण संशोधनासाठी प्रा. नेहा बोरा यांना पीएचडी

चांदवड । श्री नेमिनाथ जैन ब्रह्मचर्याश्रम संचालित स्व. सौ. कांताबाई भवरलालजी जैन अभियांत्रिकी महाविद्यालयातील प्रा. नेहा बोरा यांना संगणक विज्ञान व अभियांत्रिकी क्षेत्रातील त्यांच्या अनुकरणीय संशोधनासाठी नुकतीच ओरिएंटल युनिवर्सिटी, इंदूरच्या वतीने पीएच.डी.ची पदवी प्रदान करण्यात आली. प्रा. बोरा यांनी 'कृत्रिम बुद्धिमत्ता आणि मशीन लर्निंग प्रोच वापरून वेब ऑथेंटिकेशन बायोमेट्रिक थ्रीडी निमेटेड कॅप्चा सिस्टम' या प्रबंधासह डॉक्टरेटचा अभ्यास पूर्ण केला. प्रा. बोरा यांनी डॉ. दिनेशचंद्र जैन यांच्या मार्गदर्शनाखाली हे संशोधन पूर्ण केले. या संशोधनामध्ये बायोमेट्रिक्स, थ्रीडी निमेशन आणि वेब ऑथेंटिकेशनच्या क्षेत्रातील अत्याधुनिक तंत्रज्ञानाचा शोध लावला, आणि कृत्रिम बुद्धिमत्ता आणि मशीन लर्निंग पद्धतींसह एकत्रित केले. हे संशोधन विशेषतः वाढत्या सायबर धोक्यांच्या युगात महत्त्वपूर्ण आहे, मजबूत आणि सुरक्षित वेब प्रमाणीकरण प्रणालीच्या गरजेवर जोर देते. प्रा. नेहा बोरा, सध्या चांदवड येथील एस.एन.जे.बी संचलित स्व. सौ के. बी. जैन कॉलेज ऑफ इंजिनीअरिंग मध्ये सहाय्यक प्राध्यापक म्हणून कार्यरत आहे. प्रा. बोरा यांनी संपादन केलेल्या यशाबद्दल संस्थेच्या पदाधिकाऱ्यांनी त्यांचे अभिनंदन केले.

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संक्षिप्त

प्रा. सुचिता चव्हाण यांना पीएच.डी.

चांदवड : कांताबाई जैन अभियांत्रिकी महाविद्यालयातील प्रा. सुचिता चव्हाण यांना संगणक अभियांत्रिकी क्षेत्रातील उत्कृष्ट संशोधनासाठी नुकतीच के. बी. सी. उत्तर महाराष्ट्र विद्यापीठातर्फे पीएच.डी. पदवी प्रदान करण्यात आली. प्रा. चव्हाण यांनी डीप लर्निंग वापरून व्हिडिओ इनपेंटिंगसाठी मजबूत आणि कार्यक्षम संकरित दृष्टिकोन यावर प्रबंध सादर केला होता. प्रा. चव्हाण यांनी डॉ. नंदिनी चौधरी आणि डॉ. राकेश रामटेके यांच्या मार्गदर्शनाखाली हे संशोधन पूर्ण केले. व्हिडिओ इनपेंटिंग हा कॉम्प्युटर व्हिजनचा महत्त्वाचा पैलू आहे. व्हिडिओक्रमामध्ये हरवलेल्या किंवा खराब झालेल्या भागांची पुनर्रचना किंवा पुनर्संचयित करणे समाविष्ट आहे. प्रा. सुचिता चव्हाण यांनी डीप लर्निंग या प्रगत तंत्राचा वापर करून व्हिडिओ इनपेंटिंगच्या क्षेत्रातील प्रमुख आव्हानांना संबोधित केले. या संशोधनाबद्दल चव्हाण यांचे प्राचार्य डॉ. आर. जी. तातेड, उपप्राचार्य डॉ. एम. आर. संघवी, विभागप्रमुख डॉ. के. एम. संघवी यांनी अभिनंदन केले.

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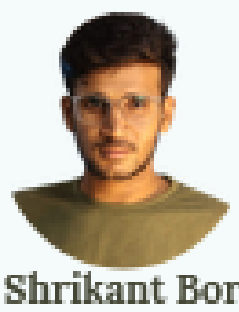

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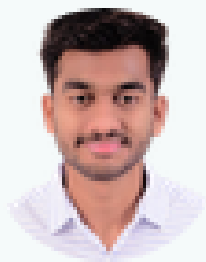

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The Rise and Impact of Robotics: Transforming Industries and Society

Robotics, a field combining engineering, computer science, and artificial intelligence, is revolutionizing various sectors, enhancing efficiency, safety, and automation. Modern robotics began in the mid-20th century with George Devol's invention of the programmable Unimate robot for industrial tasks. Since then, advances in AI, machine learning, and sensor technology have enabled robots to perform complex tasks autonomously. In industrial automation, robots enhance manufacturing and logistics with high precision and speed, increasing productivity and reducing errors. In healthcare, surgical robots like the da Vinci Surgical System enable minimally invasive procedures, improving patient outcomes, while robots assist in rehabilitation and hospital tasks like medication delivery and disinfection. Service robots are becoming common in hospitality, performing tasks such as room service and cleaning, and in homes, where domestic robots like robotic vacuum cleaners automate household chores. The continued evolution of robotics promises to further transform industries and society, driving efficiency and innovation across various domains.

Apeksha kapadnis(BE A)

The Growing Demand for Data Science in Industry

Data science has emerged as a critical field in the modern industrial landscape, driving decision-making, innovation, and efficiency across various sectors. The explosion of data generation in recent years, coupled with advancements in computational power and analytical techniques, has made data science an indispensable tool for businesses aiming to maintain a competitive edge. To excel in data science, professionals must possess a robust set of skills that encompass both technical and analytical capabilities. Key skills include statistical analysis and mathematics, which are crucial for analyzing data patterns, testing hypotheses, and developing models. Proficiency in programming languages such as Python, R, and SQL is essential for data manipulation, analysis, and visualization, with Python being particularly favored for its versatility and extensive library support. Understanding machine learning algorithms and their applications enables data scientists to build predictive models that can forecast trends and identify patterns in large datasets. Additionally, the ability to clean, transform, and preprocess data ensures that it is in a suitable format for analysis, maintaining data integrity and accuracy. Skills in data visualization tools like Tableau, Power BI, and matplotlib allow data scientists to present data insights in a comprehensible and visually appealing manner, facilitating better decision-making.

The data science toolkit comprises various software and platforms that aid in data analysis and model development. Some of the most commonly used tools include programming languages such as Python and R, which are favored for their powerful libraries like pandas, NumPy, scikit-learn, and ggplot2. Big data technologies such as Apache Hadoop, Spark, and Kafka enable the processing and analysis of large-scale datasets, often in real-time. Knowledge of SQL and familiarity with NoSQL databases like MongoDB and Cassandra are crucial for managing and querying vast amounts of structured and unstructured data. Cloud platforms like AWS, Google Cloud, and Microsoft Azure offer scalable solutions for data storage, processing, and machine learning model deployment. Additionally, data visualization tools like Tableau, Power BI, and D3.js are essential for creating interactive and informative data visualizations.

Mayuresh Wani(BE B)

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