



NKOCET A  
DESTINATION  
FOR

- Quality Education
- Innovation
- Practical Exposure
- Modern Infrastructure
- Research Opportunities
- Career Placement Services
- Industry Connections
- Global Exposure

# ORCHID Insights

The Monthly Chronicle of

Pradny Niketan Education Society, Pune



**NAGESH KARAJAGI ORCHID COLLEGE OF  
ENGINEERING & TECHNOLOGY, SOLAPUR.**

**Approved by AICTE, New Delhi & Affiliated to DBATU, Lonere, NAAC Accredited.**

Jan. 2024 Issue 3

## STUDENT 'S ACHIEVEMENTS



### **Tech AI Team Excels: Advances to Finals in Rajasthan Police Hackathon 2024!**

In a thrilling development, the student team "Tech AI" from the TY AI&DS class has been selected for the final round of the prestigious "Rajasthan Police Hackathon." Organized by the Rajasthan Police Force, Government of Rajasthan, the Hackathon is scheduled to take place on the 17th and 18th of January 2024 in the vibrant city of Jaipur, Rajasthan. The Tech AI team, comprising highly talented individuals, includes Shirraj Vasudev Vallamdeshi, Vinay Ravindranath Hipparge, Sairam Narayan Gudeli and Rahul Ambadas Chavan



### **Innovate Hackathon in Pune Yields Ground-breaking Java-Based Agricultural App: 'Kisan Ki Duniya'**

In a remarkable display of innovation and collaboration, the recently concluded Innovate Hackathon in Pune witnessed a team of talented individuals, including Samarth Sarvade, Parth Kugaonkar, Onkar Sawant, Namrata Jadhav, and Nupur Deshpande (TY AI&DS), creating a Java-based Agricultural Application named "Kisan Ki Duniya." The application's potential to empower farmers and improve agricultural practices makes it a promising addition to the growing realm of agri-tech solutions.



*"Education is the key to unlocking the doors of opportunity and unleashing the full potential within each student at N.K. Orchid College of Engineering."*

## STUDENT'S ACHIEVEMENTS

### CIIA-3 Innovation National Competitions 2024 Runners Up Award

The Project "Solar Floating Power Plant for Rural Ecosystem" won the Runners Up Prize in Innovative and Start Up Ready Product in the Engineering Category. Students received Trophy, Certificate and Cash Prize of 25000/- Rs for Product Development. Project Guides and Institute also received Certificates and Trophy.

**Students Members:** Aditya S Metan (**Captain** / Student Innovator), Mayur S Katgaonkar, Pratima Gophane, Vishal Masane, Samarth Pawar

**Project Guide :** Dr S. S. Metan & Dr A. B. Magar



### January-2024 Placements

Sr. No	Name of Company	No. of Selected	Package Stipend
1	Yash Technologies	7	6
2	AppRely Technology	4	3
3	Raviraj Hi Tech	13	2.4
4	Shree Om Techno Services	13	1.8
5	Mind Scripts	11	After Internship 3
6	Shidore Microsys	4	2.16
7	ICONIC Structure	4	1.2
8	K.T Buildcon	1	1.44
9	Agsa Spring	4	1.8
<b>Total</b>		61	-

*"In the garden of knowledge, N.K. Orchid College of Engineering is the nurturing soil where minds bloom and intellect flourishes."*







**Prof. D. D. BHOGE received GURU Award from SAEINDIA FOUNDATION**

Prof. D. D. Bhoge received GURU Award from SAEINDIA FOUNDATION by the hands of Mr. David Schutt, Chairman SAE INTERNATIONAL. This award is given to him for supporting students and promoting SAEINDIA ACTIVITIES.

Along with him our Mechanical Engineering students Ms. Pratima Gophane received Kalpana Chawala Award and scholarship of 10,000Rs for outstanding achievement and participating in SAE activities

**Prof. V. D. Gaikwad Honored by MOE's Innovation Cell for Fostering Innovation and Entrepreneurship at NKOCET Campus**

Prof. V. D. Gaikwad has received Appreciation Letter from MOE's Innovation Cell, GOI for the continuous support and contribution towards building the innovation and entrepreneurship culture development in NKOCET campus and also extending support to help other IIC institutions towards growth of the IIC network during the academic year 2022-23.

**Dr. N. R. Patil Successfully Completes NEP 2020 Orientation and Sensitization Programme under UGC's Malaviya Mission Teacher Training Programme**

Dr. N. R. Patil has completed the NEP 2020 orientation and sensitization programme under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) organized by UGC - Malaviya Mission Teacher Training Centre, Sant Gadge Baba Amaravati University, Amravati from 15th Jan to 24th Jan 2024.



*"At N.K. Orchid College of Engineering, we believe that education is not just about acquiring facts but about learning how to think and solve problems."*

## FDPs/STTP Courses attended by Faculty Members

Sr. No	Name of faculty	Title of FDP/STTP Course	Duration
1	Mr. V. D. Gaikwad	FDP on "Research Paper Writing & I.P. Rights"	18 <sup>th</sup> Jan -20 <sup>th</sup> Jan 2024
2	Prof. Vijay Sangolagi	10-hour FDP on "Blockchain Technology"	8 <sup>th</sup> Jan 2024
3	a) Prof. V. B. Bhosale b) Prof. Adarsh Mehta c) Prof. D. D. Pawar d) Prof. K B Tamboli e) Prof. Manisha Kokare	FDP on "Innovations & Recent Advancements in Electrical and Electronics Engineering"	15 <sup>th</sup> Jan – 19 <sup>th</sup> Jan 2024
4	a) Prof. Adarsh Mehta b) Prof. D. D. Pawar c) Prof. K B Tamboli d) Prof. M. Kokare e) Prof. J. B. Patil	FDP on "Recent Trends in Teaching and Learning Pedagogy"	16 <sup>th</sup> Jan – 20 <sup>th</sup> Jan 2024
5	a) Mr C. Mallareddy b) Prof. S. K. Bodapatla c) Prof. Jivan Patil	FDP on "Electrical Vehicle"	15 <sup>th</sup> Jan – 20 <sup>th</sup> Jan 2024
6	Prof. A. B. Auti	ATAL FDP on "Building Smarter Cities: Strategies for Sustainable Future"	15 <sup>th</sup> Jan – 20 <sup>th</sup> Jan 2024
7	Prof.S.V.Chavan	03 days International Conference on "Analysis and It's Application"	19 <sup>th</sup> Jan – 21 <sup>st</sup> Jan 2024
8	a) Dr. U. K. Jadhav b) Dr. R. R. Patil	01 days International Conference on "Reshaping the Nuances of Literature, Language and Culture"	11 <sup>th</sup> Jan 2024
9	a) Prof. D. D. Bhoge b) Prof. B. R. Birajdar c) Prof. A. S. Dhobale	05-days Workshop on "Integrating Autodesk Fusion 360 with Additive Manufacturing for Generative Design Application in Medical and Mechanical Engineering Field"	9 <sup>th</sup> Jan – 13 <sup>th</sup> Jan 2024
10	Prof. B. R. Birajdar	Two Weeks STTP On "Recent Developments in Materials and Manufacturing Processes"	15 <sup>th</sup> Jan – 27 <sup>th</sup> Jan 2024

*"Education is the compass that guides us through the uncharted territories of knowledge. N.K. Orchid College of Engineering is committed to providing a true north for its students."*





### Enhancing Innovation: Mechanical Engineering Dept. Acquires FDM 3D Printer for Product Innovation Centre

Mechanical Engineering Dept. has purchased a new FDM 3D Printer - Pratham Desktop for the Product Innovation Centre under MODROB. It is installed in Product Innovation Centre on 25th January 2024 and following faculty members have undergone the training: Prof. A. S. Dhobale, Prof. S. K. Khillare, Prof. B. R. Birajdar & Dr. S. E. Gudur. The 3D Printing facility is now available for projects or any other academic or research related work of students and faculty members.

Project Coordinator: Prof. S. S. Kale

### NKOCET and IITB Collaboration continues...

Department of Civil Engineering extended lab facility for a team of research scholars from IIT Bombay for carrying a study on 'carrying capacity of cities in Maharashtra. A team of 5 research scholars visited and used the environmental lab facility for five days. This is the second collaboration with IIT Bombay through Dr. V. K. Patki and Dr. S. S. Jahagirdar.



*"Knowledge is the light that dispels the darkness of ignorance. Let N.K. Orchid College of Engineering be the beacon that lights the path to wisdom for every student."*

*Publication by Faculty Members*

<b>Sr. No</b>	<b>Name of Author &amp; Dept.</b>	<b>Title of Research Paper</b>	<b>Name of journal/ book/ conference</b>	<b>Date</b>
1	Dr. V. V. Bag Dr. M. B. Patil	Frequent CNN based Ensembling for MRI Classification for Abnormal Brain Growth Detection	Journal of Integrated Science and Technology	17 <sup>th</sup> Dec. 2023
2	Prof. V. D. Gaikwad	Health Care Using AI and Deep Learning: Covid-19 Prediction and Bone Fracture Prediction and Identification	National Patent Journal	12 <sup>th</sup> Jan 2024
3	Mr C. Mallareddy	Design and Development of 21 Multi-level Inverter with Reduced Switches and Sources for Renewable Energy Applications	National Conference on Science, Engineering, Technology and Management 2023-24	24 <sup>th</sup> Jan – 25 <sup>th</sup> Jan 2024
4	Prof. S. K. Bodapatla	Electric Vehicle Applications in Frequency Regulation of Standalone Microgrid Systems	Future of Hybrid Electric Vehicles (Nova Science Publishers)	15 <sup>th</sup> Jan 2024
5	Prof. S. K. Bodapatla	Analytical Approach for Sub Synchronous Resonance(SSR) in PMSG Based Wind Farm Under Weak Grid: A Review	National Conference on Science, Engineering, Technology and Management 2023-24	24 <sup>th</sup> Jan – 25 <sup>th</sup> Jan 2024
6	Dr. M. S. Shaikh	Navigating the Virtual Classroom: Challenges and Pedagogies in Teaching English Language Online: A Case Study	International Conference on "Reshaping the Nuances of Literature, Language and Culture"	11 <sup>th</sup> Jan 2024

*"Innovation isn't a choice; it's a necessity. NKOCET stands committed to fostering an environment where research flourishes and ideas transform into impactful solutions."*







### Enchanting Performance: Koodiyattam Classical Dance Organized in NKO CET

SPIC MACAY, Karnataka & Maharashtra chapter, proudly sponsored a captivating performance of Koodiyattam classical dance by Shri Margi Madhu on January 27, 2024 in NKO CET, Solapur. Koodiyattam, recognized as the oldest form of Sanskrit theatre and declared by UNESCO as the Oral and Intangible Heritage of Humanity, mesmerized the audience with its rich cultural heritage and traditional storytelling. Shri Margi Madhu's rendition exemplified the essence of this ancient art form, bringing to life the vibrant narratives and expressions unique to Koodiyattam. Dr. V.S. Shirwal, Dr. P. Ubale, Prof. Y. Kankuntala Coordinated program.

### Celebration of Republic Day

On January 26, 2024, our Institute commemorated the 75th Republic Day with great zeal and enthusiasm. The entire faculty and student body participated in the event, infusing the occasion with patriotic fervour and pride. The celebration resonated with vibrant performances including dance, singing, and heartfelt speeches delivered by students, all exuding a deep sense of patriotism. The spirited atmosphere reflected the unity and dedication of the NKO CET community towards honoring the nation's heritage and commemorating this significant milestone in India's history.



*"In the corridors of N.K. Orchid College of Engineering, every challenge is an opportunity to learn, grow, and achieve excellence."*





## Exploring Skies: Solapur Airport Authority Engages Avengineers in Aircraft Regulations Session

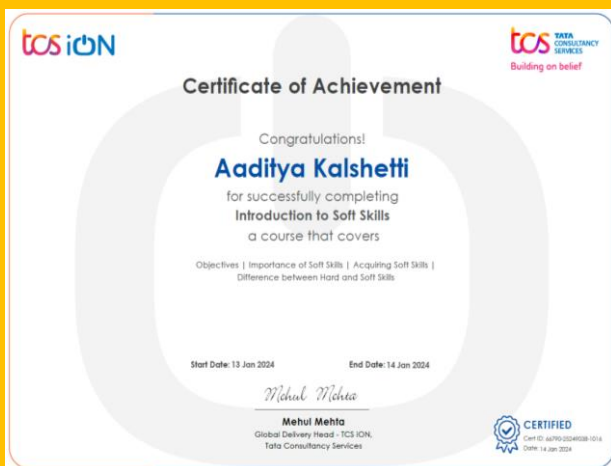
On 29th January 2024, Monday Mr Banoth Champla, Airport Authority, Solapur Airport conducted a Session for Team Avengineers of Mechanical Engineering Department on the Rules and Regulations to fly the Aircraft. He visited Aircraft Room and also Solar Research Center.

He will be one of the Experts on our Aircraft and Drone Advisory Board. Dr S S Metan coordinated this visit with Team Avengineers.



## First Year Engineering Students successfully complete One Week online course on “Introduction to Soft Skills” on Coursera Platform

In January 2024, the First Year Engineering Students accomplished a significant milestone by completing a week-long online course titled "Introduction to Soft Skills" on the Coursera platform. This initiative showcases their proactive approach towards personal and professional development right from the outset of their academic journey. The course, aimed at enhancing essential soft skills, equips them with valuable communication, teamwork, and problem-solving abilities crucial for their future endeavours.



*"At N.K. Orchid College of Engineering, education is not just about preparing for the future, but about empowering students to shape the future."*



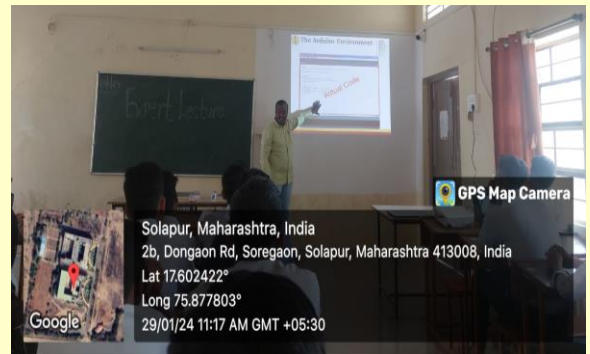


### CSE Students of Government Polytechnic, Dharashiv Visit NKOCET

63 Students of Final Year CSE & 43 Students of Second Year CSE, Government Polytechnic Dharashiv have Visited Orchid College Solapur on 18 & 19 Jan 2024.

### Expert Session conducted by Prof. R. S. Bakare.

On 29/01/24, Prof. R.S. Bakare conducted an expert lecture on Arduino and Embedded C in VVP Polytechnic for SY and TY class. Total 34 students attended the session.



### Empowering Futures: Prof. S. D. Jadhav's Lecture on Institute Introduction & Post-12th Opportunities

Prof. S. D. Jadhav conducted a lecture on "Introduction to the Institute and Opportunities after 12<sup>th</sup>" at Omerga Coaching Institute on 26<sup>th</sup> January 2024.



*"The journey of learning at N.K. Orchid College of Engineering is an endless exploration, where curiosity is the compass and knowledge are the destination."*



## CAMPUS CONNECT

### Empowering Futures: Dr. Mrs. M. S. Shaikh's Lecture on Institute Introduction & Post-12th Opportunities

Dr. M. S. Shaikh conducted a lecture on "Introduction to the Institute and Opportunities after 12<sup>th</sup>" at BQK Girls Junior College on 12<sup>th</sup> January 2024.



### Exploring Academic Horizons: Mashalkar Tutorials Visit NKO CET, Solapur

A visit of Mashalkar Tutorials, Omega to NKO CET, Solapur. Total 78 students accompanied by 5 faculty members Visited the Institute.

Coordinated by Dr. V.K. Patki, Dr. M.B. Patil, and Dr. U.K. Jadhav.

### CET Exam Registration Drive

Dr. U. K. Jadhav and his team, comprising Mr. N. Sutar, Mr. R. S. Mali, and Mr. S. B. Lokhande, coordinated the CET Exam Registration Drive in Omega on January 30, 2024. During the event, 55 students successfully completed their registration process.



*"At NKO CET, placements aren't destinations; they're beginnings of promising careers. We're proud to facilitate opportunities that shape our students' futures."*



## Junior College Connect by NKOCET Faculty Members

Sr. No	Name of College	Faculty Connect	Date
1	Rakhumabai Hatture Science College, Solapur	Prof S S More	02/01/2024
2	Deshmukh Classes, Ubale Classes and Success Classes, Barshi	Prof. A. H. Kangale & N. B. Manjare	29/01/2024
3	SES Jr. College, Solapur	Prof. S. R. Kulkarni	16/01/2024
4	Shri Sushilkumar Shinde Jr College of Arts and Sciences, Bale	Prof. R. A. Patil	17/01/2024
5	Kuchan High School, Solapur	Prof. P. A. Vadnal	18/01/2024
6	Netaji Subhash Chandra Bose Junior College, Nilam nagar, MIDC Solapur	Dr. S. B. More	18/01/2024
7	SJP Jr College, Lohara Bhanudas Chavan Jr College , Lohara Shri Kulswamini Jr. College , Tuljapur YC Jr. College, Tuljapur	Prof. S. M. Kale & Prof. A. B. Auti	18/01/2024 & 19/01/2024
8	Netaji jr Science College Mohol Kanya Prashala, Mohol Garad college, Mohol Nagnath Vidyalay & Junior College Mohol.	Dr. S. S. Jahagirdar Prof. A. S. Jamdar	19/01/2024
9	Shree Balkrishna Vidyalaya & Junior College, Nandeshwar, Mangalwedha	Prof. T. Garande	30/01/2024
10	Chougule Science Classes, Sangola	Dr. A. Kazi	31/01/2024
11	Shri GovindRao Gitte Science college, Pangaon, Dist. Latur Shri Kai. Dagadoji Deshmukh Mahavidyalaya, Babhalgaon, Latur Maharashtra Junior science college, Bori, Tal. Latur Kamala Nehru Science college, Bori, Tal. Latur	Prof. R. G. Maske	31/01/2024



*Lieutenant in Indian Army  
Civil Engg Batch –(2015-16)*

“NKOCET has always remained a better place to develop skills and nurture students. Students needs to take training for core companies. Participate in Career guidance sessions from the start of first year itself. Students may follow different pedagogical methods for course content delivery. Attend Industry supported courses and advance technology courses. Students should do research and may be aware with IPR and patents etc.”

**Lt. Ipu Mena**

## Orchid Insights

Monthly News letter

For Private Circulation only

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