



A session on 'Ramanujan's life and work' at Ravji Sakharam Highschool of Commerce in Solapur by Prof. S D Jadhav.



Dr. S. S Metan has conducted the Session on Career Opportunities after 12th for the students of Shri Siddheshwar High School.



On 30th December 2023 30 students along with class teacher Prof. V. Dhage from Study Point Classes visited to NKOCET. Dr. V. S. Shirwal conducted the session on "Career in Engineering".

CAMPUS CONNECT, ALUMNI TALK



Rafat Azima Nadaf

Application Development Specialist (Team Lead) @ Accenture, Bangalore (CSE-Batch)

"It has been fantastic 4 years of my life filled with learning and fun here at Orchid. The staff has been very kind and supportive. Each faculty member has played a role of mentor towards identifying our strengths and charting a successful career path.

College management has given us the right platforms and ample of opportunities to outshine beyond academics.

I will always cherish the visits of Dr. ABJ Abdul Kalam and Mr. Shiv Khera to our campus which was once in a lifetime experience."- Rafat Azima Nadaf

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

Pradnya Niketan Education Solapur, Pune.



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

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

Orchid Insights

Monthly News letter
For Private Circulation only

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EDITORIAL TEAM-

Dr. B. K. Sonage (Principal)
Prof. A. I. Nadaf (Chief Editor)
Prof. A. S. Adhatrao (Guest Editor, Jan 2024)



STUDENT 'S
ACHIEVEMENTS



Outstanding Victory in Chess
Tournament!

In an exhilarating display of skill and strategy, Ms. Diksha Kulkarni, a student of SY AI&DS, and Ms. Shambhavi Mhamane have emerged triumphant, securing the 1st position and 4th Position respectively in the fiercely contested DBATU INTERZONAL Chess Tournament.

Moreover, Ms. Kulkarni's exceptional talent has earned her a prestigious spot on the DBATU Chess Team for the Interuniversity Competition.

Glory on the Court: 2nd Place
Triumph at DBATU Inter -zonal
Basketball Tournament

Our college team soared high at the DBATU Interzonal Basketball Tournament held at R.C. Patel Institute of Technology, Shirpur, Dhule securing a commendable 2nd position. The outstanding performances of Mr. Parth Udnoor, Mr. Danish Shaikh, Mr. Omkar Kamalpure, Mr. Pavan Ratnakar, and Mr. Zaid Khan showcased remarkable sportsmanship and skill. Their dedication and teamwork illuminated the tournament, bringing pride and acclaim to our institution.



"To emerge as a leading Technological Institute ensuring Academic Excellence, fostering industry readiness and developing globally Competent Technocrats ."

PLACEMENTS

"PLACEMENT CHRONICLES : BRIDGING DREAMS TO CAREERS "

Sr. No	Name of Department	Name of Industry	No of Students
1	Computer Science and Engg.	Cyber Success,Pune	14
		Sciqus Infotech Pvt.Ltd,Pune	3
		Pentagon Space Pvt. Ltd, Pune	2
2	Electonics and Telecommunications	Cyber Success,Pune	5
		Subros Limited Pune	7
		LEI India Pvt. Ltd, Pune	2
		Pentagon Space Pvt. Ltd, Pune	1
3	Electrical Engineering	Subros Limited Pune	4
		LEI India Pvt. Ltd, Pune	1
		Pentagon Space Pvt. Ltd, Pune	1
4	Civil Engineering	Shubhshree Engg and Const. Pvt Ltd, Aurangabad	6
		Generic Engg Construction and Projects Ltd., Mumbai	
		Envirosafe Consultant, Pune and Solapur	4
5	Mechanical Engineering	LEI India Pvt. Ltd, Pune	4

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



INDUSTRY INSTITUTE INTERACTION



Industry Insights: Exploring Gujrat Rubber with Dr. N R Patil

Dr. N R Patil, along with project students, embarked on a fruitful visit to Gujrat Rubber, marking a significant milestone in the ongoing sponsored project. The unit head, Mr. Deshpande, graciously agreed to offer internships to two students, paving the way for invaluable hands-on experience. With optimism high, the anticipation is for two more students to secure internships, fostering a promising partnership between academia and industry.

Forging Forward: Collaborative Steps in Electric Vehicle Education

On Saturday, December 3rd, 2023, a pivotal exploration unfolded as our team ventured to MITCON, engaging in discussions with Mr. Akbar Shaikh, Mr. Suraj Rewale, and Mr. Swapnil Pawar. Plans materialized for an M Tech program in Electric Vehicle Technology, internships, and job placements, with Mr. Shaikh slated to visit our college for further deliberations. Following this, a visit to the "India EV International Exhibition" unveiled the cutting-edge advancements in Electric Vehicle Technology. Dr. V S Shirwal, Prof. V. Bhosale, Prof. K A Shaikh, and Prof. S S Kale spearheaded this insightful visit, paving the way for an exciting collaboration in this burgeoning field.



"In a world driven by connections, visits and collaborations are bridges to progress. Let's build together, explore together, and achieve together."



STUDENT'S ACHIEVEMENTS

Team Krushi Manthan Advances to Finals of SAE INDIA TIFAN-2024 with Automated Multi Vegetable Transplanter Project

Team Krushi Manthan from the Mechanical Engineering Department, guided by Prof. C. V. Papade, has qualified for the final round of the 6th Edition SAE INDIA TIFAN-2024. On December 27, 2023, six team members presented their project, the Automated Multi Vegetable Transplanter, out of a total of 25 participants at SCOE, Pune.



Electrifying Ingenuity: Omkar Nampalli Shines at University -Level Avishkar Event"

BE Electrical Engineering student, Mr. Omkar Nampalli, showcased his commitment to academic excellence by participating in the University-level Avishkar event and training at DBATU University, Lonere, from December 24 to 27, 2023. His active involvement underscores his dedication to staying informed and enhancing his skills within the field.



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



FACULTY
ACHIEVEMENT



Dr. M. B. Patil & Dr. S. S. Jahagirdar Led Ground -breaking FDP: Research grants and Patents"

On December 7th, 2023, KBP College of Engineering in Satara initiated a week-long Faculty Development Program on "Research Grants and Patents" under the guidance of Dr. M B Patil from NKOCET Solapur. Dr. S.S. Jahagirdar led sessions focused on crafting funding proposals and utilizing AI tools for literature review, enhancing the academic experience at KBP COE.



Exploring Dassault System Funding: Insights by Dr. S S Metan

Dr. S S Metan orchestrates a session on Dassault System Funding Opportunities scheduled for December 30th, 2023, at 10:30 am in the AI&DS Classroom 01. This session aims to unveil crucial insights into funding opportunities offered by Dassault System, fostering an environment where attendees can gain valuable knowledge and explore potential avenues for financial support in their respective fields.

Mechanical Engineering Department Conducted one-day Workshop on A World in Motion MTTP

The Mechanical Engineering Department organized a one-day workshop on A World in Motion MTTP on December 13, 2023, in collaboration with SAE India for school teachers. The event saw the participation of 14 school teachers and eight volunteers. Prof. A. S. Kashid and Prof. S. S. Kale inaugurated the workshop, while the valedictory session had the presence of I/c Principal Dr. B. K. Sonage. Prof. D. D. Bhoge, Prof. Rutika Sanga, and Mr. Rishi Marathe efficiently coordinated the workshop.



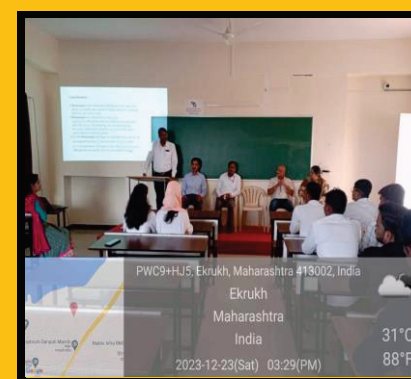
Prof. V.B. Bhosale and Dr. S. S. Jahagirdar at IIC Regional Meet, DY Patil University"

Prof. V.B. Bhosale, representing the Electrical Department, and Dr. S.S. Jahagirdar from Civil Engineering showcased their expertise at the IIC Regional Meet held at DY Patil University, Pimpri, Pune. Their active participation contributed valuable insights to the event, fostering knowledge exchange and collaboration among professionals.



Celebration of National Mathematics Day

The First Year engg. Department observed National Mathematics Day in honor of Srinivasa Ramanujan's birth anniversary. Distinguished guests, including Prof. S.D Jadhav and Prof. S.S.Newale, joined the celebration, emphasizing tribute to the renowned mathematician. The event aimed to recognize and commemorate Srinivasa Ramanujan's profound contributions to the field of mathematics.



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" At NKOCE&T, we celebrate not just accomplishments but the spirit that drives our students to exceed expectations. Congratulations on your remarkable achievements, showcasing the excellence that defines our



CULTURAL,
SOCIAL RESPONSIBILITY



"Igniting Hope: NKOCE T Volunteers Unite for World AIDS Day Rally!"

In a resounding display of solidarity, NKOCE T NSS volunteers joined forces with Janjagruti organizers at the District Surgery Hospital in Solapur for an impactful World AIDS Day Public Awareness Rally. Together, they amplified the call for awareness, education, and support in the fight against HIV/AIDS. Their enthusiastic participation marked a powerful step towards spreading crucial awareness and fostering a community dedicated to eradicating the stigma surrounding this global health issue.

Empowering Entrepreneurship: EAC Camp Ignites Business Insights

The one-day EAC camp orchestrated by the EDP cell, in collaboration with Mitcon and DIC, unfolded as an enriching experience for students. Industrial Inspector Mr. Vaibhav Shaste from DIC and Mr. C.R. Londhe, Manager at MITCON Solapur, lent their expertise to guide attendees through crucial aspects of starting, identifying, and planning a business. The camp's focus on government schemes and entrepreneurial guidance provided invaluable knowledge.



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

FACULTY
ACHIEVEMENTS



Dr. S. S. Metan is awarded as Shikshak Gaurav Puraskar by Rotary Satellite Club of Latur

Dr. S. S. Metan has been awarded as Shikshak Gaurav Puraskar by Rotary Satellite Club of Latur Aspiration on 30th September 2023 at Latur Maharashtra for his dedicated efforts and contribution for study abroad cell.

Dr S. S Metan received the Citation for his contribution in Aakruti 2023

Dr. S.S. Metan was honoured with a Citation for his significant contributions to Aakruti 2023 over the past four years. The recognition was presented by Mr. Salim Huzefa from Dassault Systemes Pune, acknowledging Dr. Metan's outstanding dedication and achievements in the field.



Prof. Y.B. Patil is awarded by Krantisurya Mahatma Jyotiba Phule Gunwant Shikshak Puraskar

Prof Y.B. Patil received State level "Krantisurya Mahatma Jyotiba Phule Gunwant Shikshak Puraskar" from Sambhaji Brigade and Maratha Seva Sangh on 16/12/2023 for his precious work in educational and social field. The award was presented by Regional President Sambhaji Briged Mr. Abhimanyu Pawar.



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Patents Filed:

- Prof. V.D. Gaikwad & Dr. V V Bag & Team Veerkrushna Dalvi, Kedar Swami, Satyram Chillal, Pruthvi Rathod (final year students) have successfully filed and published the Patent based on project "Healthcare using AI and deep learning: Covid -19 prediction using and bone fracture prediction and identification ". Dated 17 Dec 2023"
- Dr. M B Patil & Team Ms. Vaishanvi KshirsagarMs.Ashlesha Gurrar,Mr Vitthal Gajjal from TY AI&DS have successfully filed a patent on project "Health Monitoring Robot for Continuous Health Management"

Books published:

Prof.Sampath Kumar Bodapatla, published a book chapter with title "Automatic Feedback and Speed Control of Brushless DC Motor for EV by using Raspberry Pi" in book title "Current Approaches in Engineering Science and Information Technology for Society" with ISBN: 978-81-965081-0-4, Published by Tekscience Publishers, Salem.

FDPs NPTEL Courses attended by faculty

Sr. No	Name of faculty	Title of FDP /NPTEL Course	Duration
1	Prof. A S Adhatrao	Recent Trends and Applications of Artificial Intelligence and Deep Learning," sponsored by AICTE TRAINING & LEARNING (ATAL),	1 Week
2	Prof S. C Papade	NPTEL FDP on Programming in java.	12 Week
3	Prof P.D.Jawalkar	NPTEL FDP on Discrete Mathematics	12 Week
4	Prof. R. R. Shriram, Prof. S. S. More & Prof. A. G. Dhanshetti	ChatGPT and Prompt Engineering	1 Week
5	Prof. S. S. More	Cloud (AWS Services)	2 Day
6	Prof. S. A. Kashid	Effective Drafting of Research Paper and IPR	1 Week
7	Prof.Chinala Mallareddy	AI Digital content creation	1 Week
8	Prof. P. A. Vadnal	Effective Drafting of Research Paper and IPR	1 Week

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



INNOVATIONS & RESEARCH

Publication by faculties in Conference

Sr. No	Name of Author & Dept.	Title of Research Paper	Name of conference	Date
1	Prof. V A Sangolgi, Dr. M B Patil, TY AI&DS Students: Shubham Vidap, Swayam Mulmane, Satyam Doijode, and Aditya Vadje.	Enhancing cross-linguistic image caption generation with Indian multilingual voice interfaces using deep learning techniques.	Elsevier-Procedia Computer Science (ISSN 1877-0509)	January 2024
2	Dr.V. V. Bag, Prof. M. B. Rangdal, Prof. P. D. Jawalkar	Empower farmer using smart crop Tech	International conference on advanced in computational intelligence" (ICACI)2023	December 23
3	Prof. A.H. Kambale	Tool Condition Monitoring Techniques:A Review	AIMTDR-2023 at IIT-BHU Varanasi	December 2023.
4	Prof. C. V. Papade, S. G. Ghodke	A review on solar operated milk pasteurization system	International Research Journal of Engineering and Technology (IRJET);Vol.9;12;662-670;	December 2023
5	Prof. S. K. Bodapatla	A Novel Design Approach For A Power System Stabilizer (PSS) Utilizing An Adaptive-Neuro Fuzzy Logic	GIS SCIENCE JOURNAL (ISSN NO : 1869-9391)Volume- 10, Issue12, 2023,Page:90-94.	December 2023
6	Prof. S. K. Bodapatla	The effects of FOPID controller parameters on Subsynchronous Control Interaction type of stability issue in DFIG wind power systems	3rd IEEE International Conference on Power Energy Environment and Intelligent Control PEEIC,GL	December 2023
7	Dr. A V. Sadlapurkar	Application of 2-chlorobenzaldehyde thiocarbohydrazone as a chromogenic ligand for cadmium (II) detection and removal from water and food	Journal of Trace Elements and Minerals (Elsevier)	December 2023

INNOVATIONS & RESEARCH

