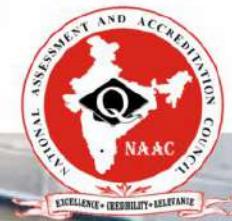


NAAC A+
(CGPA 3.32)
ACCREDITED
INSTITUTE



*Building the future
on A Foundation
of Excellence !*

INSTITUTE CODE : EN6223



Nagesh Karajagi

ORCHID

Pradnya Niketan Education Society, Pune.

**COLLEGE OF ENGINEERING
AND TECHNOLOGY, SOLAPUR**

The Degree Engineering College

- Approved by AICTE, New Delhi
- Recognized by Govt. of Maharashtra
- Affiliated to State Technological University DBATU, Lonere



**National Education
Award - 2018**

Outstanding Education
Institute (West) - ABP News



AICTE-CII Survey

Industry Linked Technical Institute Ranked in
Platinum Band consecutively for Last 3 years (2018-20)



4.5 STAR

MHRD Ministry Ranked for
Institute-Innovation Council



May 2015
Digital Learning
Magazine

Rated Orchid amongst
Top Engineering
Colleges of India



May 2014
Digital Learning
Magazine

Rated Orchid amongst
Top 250 Engineering
Colleges of India



June 2012
Bhaskar-Lakshya
Magazine

Ranked 36th in Top 50
Private Engineering
Colleges of India



Jan 2023
Partnership
with Polytechnic NANCY

Student Exchange
Programme with
Polytechnic NANCY, France



- Well planned & state-of-art infrastructure.
- Book-Bank facility for every student.
- Well equipped Laboratories.
- Collaboration with industry for research project.
- Wi-Fi enabled green campus.
- Special classes for GATE, PSU & State Govt. Exams.
- Special efforts for Higher Education through Study Abroad Cell.

- Soft-Skill & Aptitude classes are included in the regular time table.
- Earn and learn scheme.
- Fully furnished hostels & excellent Canteen facility.
- Campus covered with CCTV surveillance.
- Student gymnasium & sports facility.
- Transport facility.



Vision • Mission • Quality Policy

Vision : To emerge as a leading technological institute ensuring academic excellence, fostering industry readiness, and developing globally competent technocrats.

Mission :

- To strive for excellence in our teaching learning process, encouraging creativity and critical thinking.
- Strengthening industry-institute interaction.
- Providing holistic education for the student's personality development.
- To imbibe universal values of respect, commitment, & team spirit.
- Providing employable education.
- Promoting innovation, research, and consultancy.

Quality Policy :

- Peaking excellence in technical education.
- Providing holistic education for the students.
- personality development.
- Performance assessment of students and faculty on continuous basis.
- Providing employable education.
- Professionalizing faculty development.
- Promoting research and consultancy.
- Pursuing Industry - Institute interaction.



• About the Institute

Nagesh Karajagi Orchid College of Engineering and Technology (NKOCET), approved by AICTE, New Delhi, opened its gates for Technology Education from the academic year 2008-2009.

It is recognized by Government of Maharashtra & affiliated to DBatu, Lonere, Dist. Raigad and this is publicly known as Orchid Engineering College.

The institute spreads over picturesque, sprawling land, in the vicinity of beautiful Hipparaga Lake.

NKOCET is well equipped with state of the art infrastructure with laboratories, classrooms, seminar halls, video conferencing, library and other learning spaces.

It also superlatively speaks of the IT enabled environment. Students' needs like recreation, sports, hostel facilities etc. are also provided.

NKOCET derives its name and inspiration from the Orchid flower. Orchids are among the most successful and adaptable family of plants. They are often cited as great examples of peaceful and mutually beneficial co-existence in nature.

Orchids were here long before humans. The Orchid has survived the different stages of evolution by adapting to the changing climate, waiting for the right time & opportunities to bloom.

NKOCET recognizes the fact that all learners have potential, like Orchids. They are waiting to be unfolded and discovered . When given an appropriate, rich, supportive and nourishing environment, learners can blossom and evolve - as beautiful, exquisite & UNIQUE as The Orchid Flower.

The land in which NKOCET is located is donated by Mr. Kumar Shankar Karajagi. As a mark of gratitude, Pradnya Niketan Education Society (PNES) named the Orchid College along with the name of his son Late Mr. Nagesh Karajagi. Currently PNES has two institutions - The Orchid School in Pune & NKOCET in Solapur.



A prolific academician with a blend of research publication, patents and awards, completed his Ph.D in Mechanical Engineering from NITK, Surathkal. He is passionate towards, working on various models for holistic development of the students to foster the industry needs and to enhance the employability of the students.

• From the Principal's Desk •

At N. K. Orchid College of Engineering and Technology, Solapur, we believe that students and teachers work together to develop and bring name and fame to the institute. Our faculty members and students engage in project based learning, competition-based learning, and internship-based learning, which consistently bring glory to our institution. Through these practices, we have achieved remarkable success, including outstanding University results, over 400 Placements each year, and leading R & D activities. Our faculty interactions aim to establish an innovation and incubation ecosystem to prepare our students for entrepreneurial ventures.

Dr. B. K. Sonage
Principal
Ph.D. (NITK, Surathkal)



● NKOCET Distinctiveness & Best Practices

Enhancing Students' Academic Performance

- ICT enabled Teaching-Learning Using Videos / Animations.
- Book Bank Scheme For Every Student.
- Well Planned Counseling For All New Entrants.
- Additional Lectures For Difficult Subjects.
- Study Session For FE & DSE Students.
- Innovative Teaching-Learning Pedagogy.
- Recorded video lectures of faculty members are made available to students.
- Project Based Learning.

Enhancing Students' Employability

- Soft Skill As a Subject In Time Table.
- Two Hours Of Aptitude Training From SY onwards.
- VIIIth Sem. Internship in the Industry.
- Industry Oriented Training Courses.
- Focused Industrial Training.
- Final Year Projects On Industry Problems.
- Industry mentor for projects.
- Programming skill enhancement.

Efforts For Higher Education

- Extra Classes For GATE Examination.
- Active Study Abroad Cell to Guide For IELTS, GRE and TOEFL examinations and for Seeking Admission Abroad.
- Awareness about the Public Sector Opening through Career Guidance Cell .





● Eligibility Criteria



First Year (FE) : Engineering / Technology (4 Years duration)

Eligibility conditions and requirements for admissions

Maharashtra State Candidature Candidate

- The Candidate should be an Indian National;
- Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical Vocational subject or Computer Science or Information Technology or Informatics Practices or Agriculture or Engineering Graphics or Business Studies or Electronics or Entrepreneurship and obtained at least **45% marks** (at least **40% marks**, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) in the above subjects taken together and The Candidate should have appeared in all the subjects in MHT-CET 2024 and should obtain non zero score in MHT-CET 2024;

Or

- Passed minimum 3 years Diploma in Engineering and Technology and obtained at least **45% marks** (at least **40% marks**, in case of Backward class categories, Economically Weaker Section and Persons with Disability candidates belonging to Maharashtra State only) ; Or (ii) Passed three years D.Voc. Stream in the same or allied sector;

Direct Second Year (Lateral Entry) : Engineering / Technology (3 Years duration)

Maharashtra State Candidature Candidate and All India Candidature Candidate

- The Candidate should be an Indian National;
- Passed minimum three years or two years (Lateral Entry) Diploma Course in Engineering and Technology with at least **45% marks** (**40% marks** in case of Candidates of Backward Class categories, Economically Weaker Section and Persons with Disability category belonging to Maharashtra State) in any branch of Engineering and Technology from an All India Council for Technical Education or Central or State Government approved Institution or its equivalent;

or

- Passed B.Sc. Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least **45% marks** (**40% marks** in case of candidates of Backward Class categories, Economically Weaker Section and Persons with Disability category belonging to Maharashtra State) and passed HSC or its equivalent examination with Mathematics as a subject;

or

- Passed three years D.Voc. Stream in the same or allied sector (refer Schedule III)
- Any other criterion declared from time to time by the appropriate authority as defined under the Act.

Various Scholarship Schemes :

- G.O.I. (Backward Class) Scholarship : SC/ST, VJNT, SBC, OBC & Physically Handicapped (PH)
- Rajarshi Chhatrapati Shahu Maharaj Scholarship (EBC/ EWS)
- Scholarship for students of minority communities
- Dr Panjabrao Deshmukh Hostel Maintenance Allowance
- Maharashtra Swadhar Yojana for SC candidates
- Pandit Dindayal Upadhyay Swayam Yojna for ST candidates
- AICTE Pragati and Saksham Scholarship
- AICTE-Swanath Scholarship Scheme (Parents- either or both died due to Covid-19)

Institute Level Admission :

- As per directives of DTE, Mumbai 20% seats of sanctioned intake are to be filled by the Institute.
- For Admissions Eligible Candidates should contact the Principal of the College.

2024 - 350 Students Placed and Still Going on

2023 - 415 Students Placed

(14 Students got selected in TIAA with 10.48 LPA)

2022 - 470 Students Placed

(106 Students got selected in Wipro Technology)

2021 - 474 Students Placed

(72 Students got selected in TATA Consultancy Services)

Outcome Based Activities

- Profiling of the Students
- Expert Talk by Industry People
- Distance Ready Engineer Program by TATA Technologies
- Employability Skill Development (ESD) by Zensar Technologies
- Skill Enhancement Program

OUR TOP RECRUITERS

TATA CONSULTANCY SERVICES	Atos Syntel	ZenSar TECHNOLOGIES	Tech Mahindra	TIAA	Persistent	L&T Infotech
amazon	wipro	BYJU'S The Learning App	jaro education	Infosys®	IDBI iotech Integrating Disruptive Technologies	KINETIC GREEN Think Electric... Think Kinetic...
Capgemini CONSULTING, TECHNOLOGY, OUTSOURCING	accenture	CIALFOR	ADVIK HI-TECH PVT. LTD.	KPIT	eywa	CODITAS CODE IS ART CODE IS US coditas
EvoSys	Faurecia	WebTech DEVELOPERS	crave™ INFO TECH	virtusa	CRMnext	Kanaka
Cognizant	ugam	FIS	Dynomerk	CODITAS CODE IS ART CODE IS US	Digicom	SCIQUIS INFOTECH PVT. LTD.
XORIANT	Kolbro Group	Quest global	SHELKE GROUP	HP HP Peizer Automotive Systems	Lei INDIA's Wiring Harness	
bibox labs	ITC INFOTECH Business-friendly Solutions	Choice The Joy of Earning	bitwise	EXCEL VLSI APPLYING SKILL	T-Systems	SUROJ
Collabera Value. Accelerated.	FUKOKU	Hexaware TECHNOLOGIES		WINNTUS	aquachill	

Training & Placement Cell



Career Guidance & Grooming

Internship

Soft Skill & Aptitude Training

Resume Building

Programming Skill Enhancement

Company Specific Training (CST)

Mock GD / PI

Preplacement Workshop (PPW)

LAST 5 YEARS TOP TEN RECRUITERS

TIAA 63

TATA CONSULTANCY SERVICES 203

wipro 140

accenture 26

Cognizant 26

ZenSar TECHNOLOGIES 21

Persistent 35

Infosys 61

Capgemini CONSULTING TECHNOLOGY OUTSOURCING 46

Hexaware TECHNOLOGIES 35



Solar Research Centre inaugurated at the hands of AICTE Chairman Prof. Anil D. Sahasrabudhe.



MOU with Zensar Technologies Ltd., Pune



S.E. Civil Students visit to Ready Mix Concrete Plant and Tushar Industries at Tamalwadi.

● Industry Connect



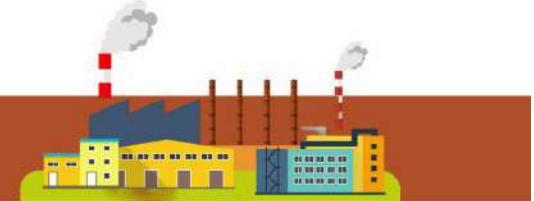
Sweden Students Visit to Solar PV Plant



Visit to Swargate Metro Station



Visit of Mechanical students to Mahindra & Mahindra, Pune.



MoU with Industries :

- Well Planned industrial training to students & faculty members.
- MOU with TTL, Pune and successfully training batch of 80 students of Mechanical Engineering every year under the Distance Ready Engineering Program (DRE).
- MOU with Dassault System Foundation for Solar Innovation & Skill Development Program for students.
- MOU with Zensar Technologies Ltd. Pune for student training.
- MOU with Texas Instruments, Bangalore, Oasis Technologies, Pune, Campus Component, Pune and Techniq Design Group, Secunderabad for industrial training, Campus opportunities and sponsored projects.
- MOU with Spartan Solar Solutions.

Additional Courses Beyond University Curriculum.

Additional courses enrich the curriculum and meets the industry needs in terms of skill development. The courses are institutionalized and it is a regular feature of our academic programme.

- **Civil Engineering** : STAAD PRO, MS Project, Revit, AutoCAD, QGIS
- **Computer Science & Engineering** : Android App. Development, Software Testing, PHP Programming, Ethical Hacking, Bigdata and Hadoop.
- **Electronics & Telecommunication Engineering** : Internet of things using Arduino, C Programming, Java Programming.
- **Mechanical Engineering** : CATIA, ANSYS, CNC, Product Design Engg., C++, Core Java, Solar Ready Engineers.
- **Electrical Engineering** : Solar Energy, PLC and SCADA, MATLAB, AutoCAD.



Product Aasan- A device to prevent Backpain
Won first prize at Social Impact Challenge
by Fuusion Academy



2nd Rank at International Level
Quad Bike Competition



• Project Based Learning



Hand-on Session on
DC Solar Cooler



RC Aircraft



GMRT Exhibition



Portable Refrigeration System for Vaccine
Distribution at Rural and Remote Location



Dipex 2023-2024



EXCELLENT GATE RESULTS

Uptill now 142 students qualified GATE Exam.



Ayan Shaikh
AIR - 167
GATE - 2022 (ME)



Saiprasad Chintakindi
Score - 296
GATE - 2022 (ME)



Pramod Bhadkumbe
Score - 296
GATE - 2022 (ME)



Rishikesh Marathe
Score - 319
GATE - 2013 (ME)



Balkrishna Paskanti
AIR - 208 (Pl)
GATE - 2022 (PO)



Amit Babanagare
Score - 324
GATE - 2021 (ME)



Laxman Mane
Score - 239
GATE - 2021 (ME)



Sohailkhan Patel
Score - 373
GATE - 2021 (ME)



Shubham Gorande
Score - 417
GATE - 2019 (ME)



Vinayak Karkale
Score - 554



Ankush Madur
GATE - 2024



Vidya Mane
GATE - 2023

- Students Admitted in Renowned Universities



EFFORTS FOR HIGHER EDUCATION STUDY ABROAD CELL

Number of Students Admitted to MS Abroad

Sr.	Branch	No. of Students	USA	Germany	France	Canada	Other
1	Civil Engg. Dept.	05	04	-	-	01	-
2	Comp. Sci & Engg. Dept.	05	04	-	-	-	01
3	Electrical Engg. Dept.	02	01	01	-	-	-
4	E & TC Engg. Dept.	10	08	-	-	01	01
5	Mechanical Engg. Dept.	40	11	15	05	02	07
TOTAL		62	28	16	05	04	09

#3 Students got prestigious Erasmus Mundus Scholarship in which they completed their Masters in three different European Countries (Germany, France, Sweden & Belgium)



Portable
Refrigeration System for
Vaccine Distribution
at Remote Location

Second Prize in
State Level
Avishkar Competition



International Award - Dassault Project of the Year



Students' Achievements



Ashutosh Udata secured 4th rank at National level in
Mechanical CAD and got awarded with "Medallion for Excellence"



World Championship 2023, Canada
Won Bronze Medal



Received Award at National Level
Toyathon 2021 Competition



2nd Rank in University Level
Chess Championship



"Football Mission One Million"
Celebrated at our Institute



Department of

Artificial Intelligence & Data Science

UG
Intake
→ 60

26.03.2024

ACHIEVEMENTS

- Industry Partnerships
- Competitive Success
- Real-World Experience
- Academic Excellence
- Expert Faculty
- Professional Development
- Online Learning and Research

SCOPE

- Diverse Career Opportunities
- Technological Advancements
- High Demand and Growth
- Witness the booming demand for skilled professionals in Computing & Data Science, with abundant opportunities for career advancement.
- International Job Market
- Higher Education Pathways
- Government Sector Opportunities
- Top Recruiters





Department of
Computer Science

ENGINEERING

UG
Intake
→ 120

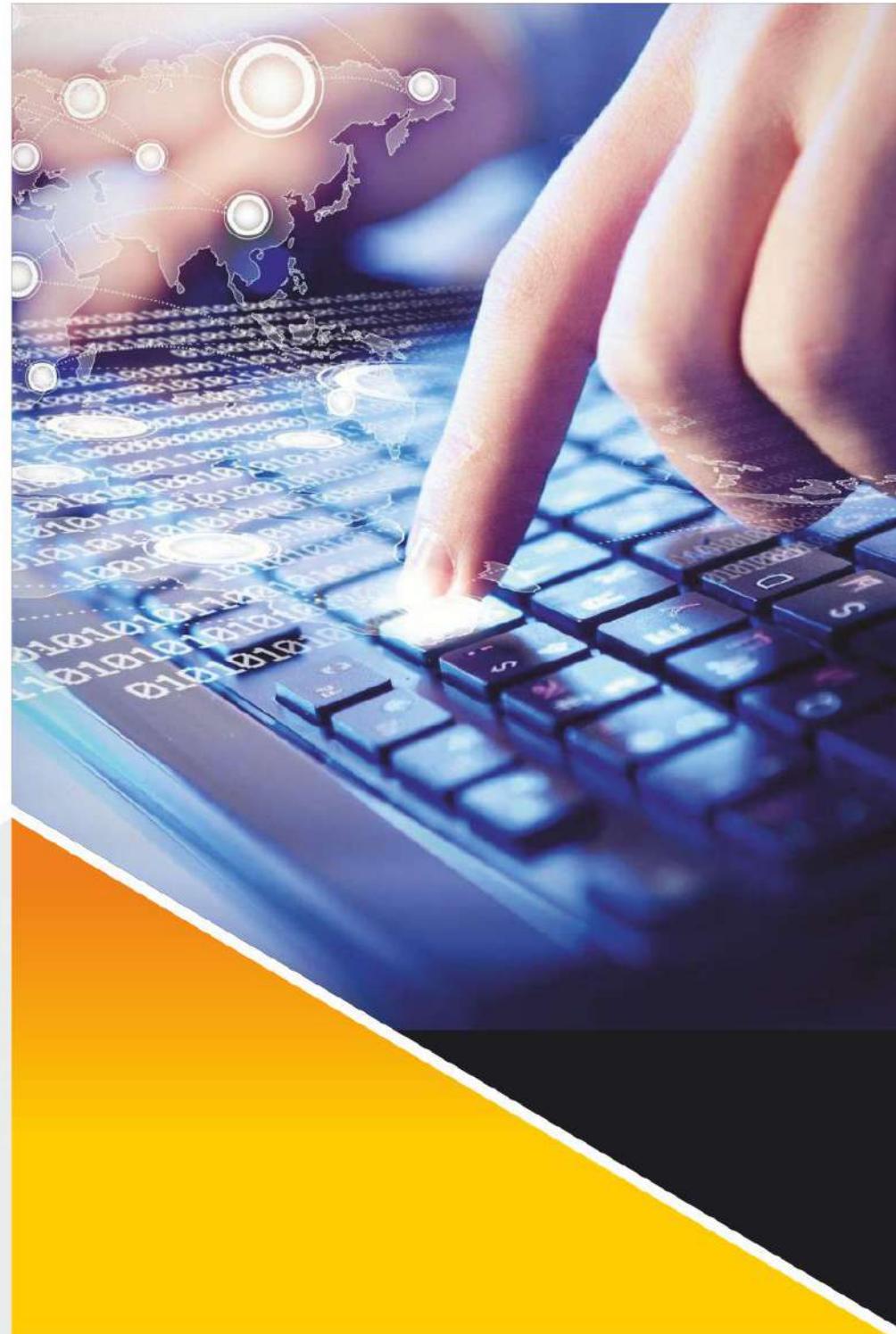
26.03.20

ACHIEVEMENTS

- Excellent Placements
- MoU with Zensar Technologies for Employability Skill Development Program to make Industry ready software Engineers.
- 16+ Students Completed M.S. from Foreign Universities.
- Active Participation in Hackathons.
- Industry Internship by students in India and Abroad.
- Excellent University Results.
- Highly Qualified Faculties.
- Additional Professional Courses : Enhancing Skills for Career Success.
- Remarkable results on Online Portal like NPTEL, Coursera, Udmey.

SCOPE

- Abundant Career Opportunities like Software Engineers, Data Scientist, AI Engineers, Network engineers, Cyber Security Analyst in MNCs
- Technological Advancements in Automation, AI, Machine Learning & Data Science
- Entrepreneurship and Startups.
- Continuous Learning and Skill Development.
- Huge Demand for Skilled Work Force in the area of Computing & Data Science





Department of
Civil
ENGINEERING



UG
Intake
→ 120

26.03.2024 15:00

ACHIEVEMENTS

- 100+ Students GATE Qualified
- 50+ Students Selected in Govt. Sector
- Excellent Placements
- Industry Internships
- More than 1 Crore of Funding
- Co-curricular Courses
- University Rankers
- Well Qualified Faculty Members
- Industrial Visits
- 20+ Students Got Gold Certification in NPTEL

SCOPE

- Entrepreneur
- Building Contractor
- National Highway Authority of India
- Public Works Department
- Public Health & Engineering Dept.
- Rural Development
- Irrigation Department
- Planning & Design
- Consulting
- Town Planning
- Banks and Civil Services
- Army, Navy and Air Force
- Jobs Abroad



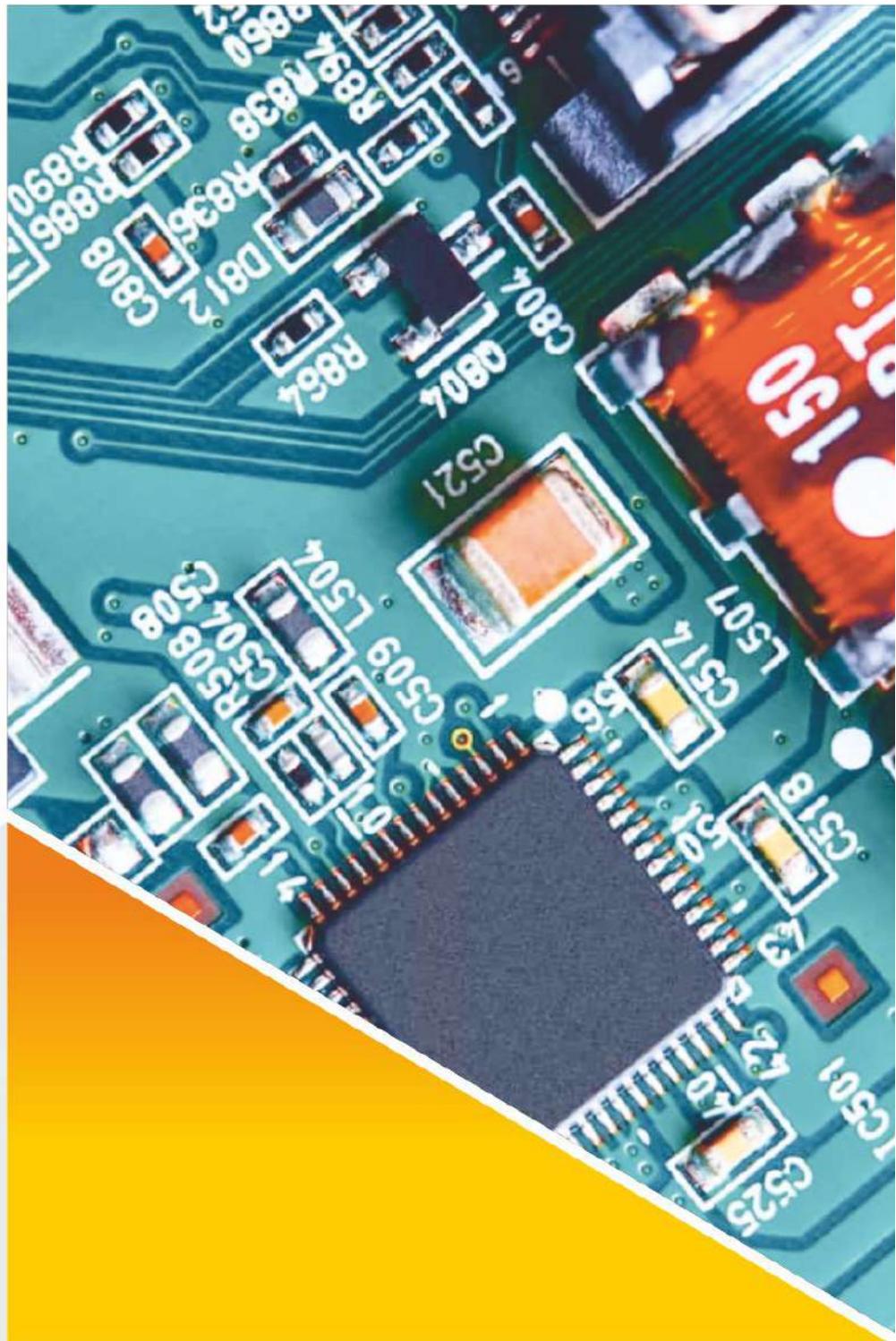


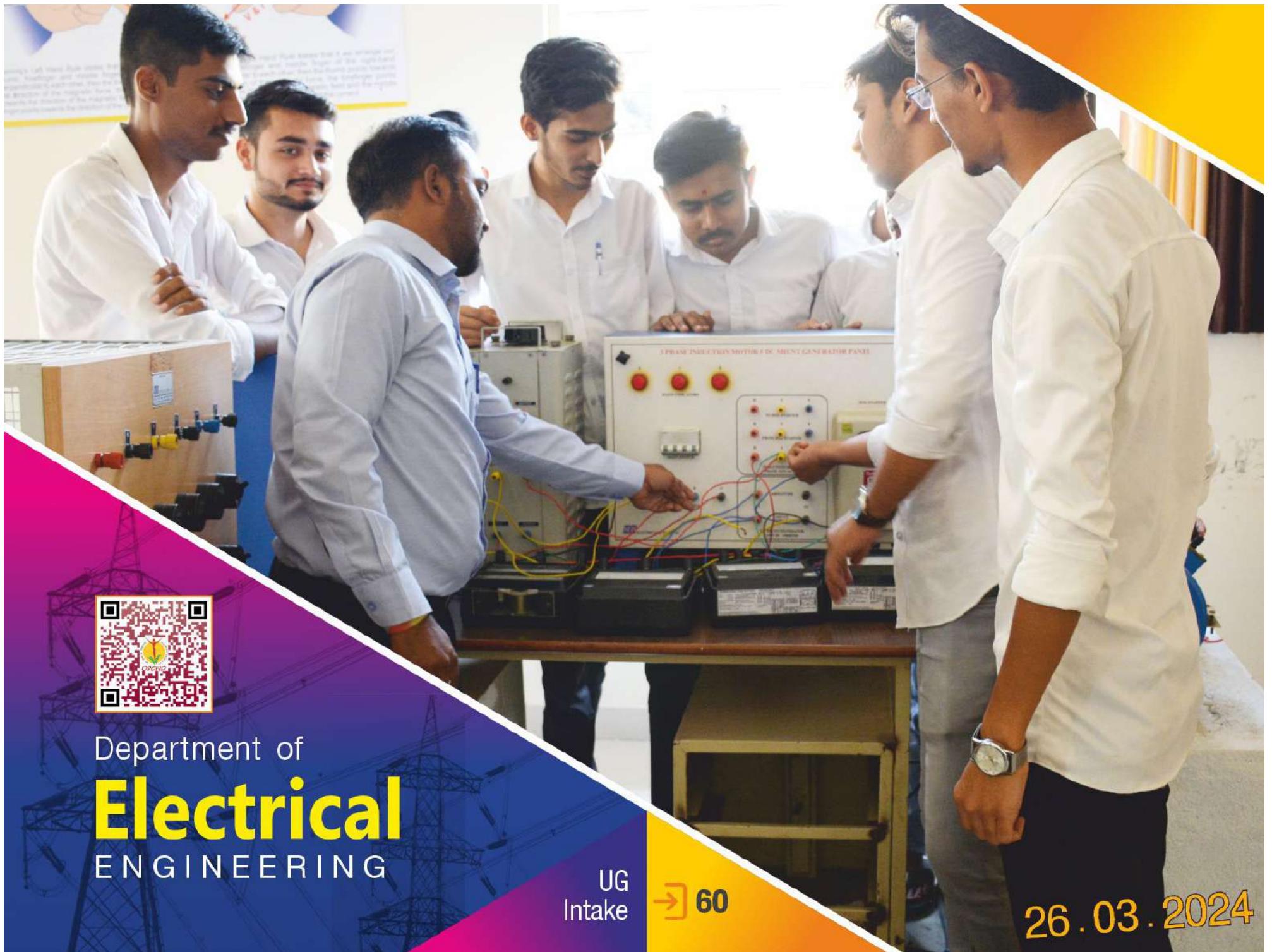
ACHIEVEMENTS

- Track record of placements every year in Software MNCs like TCS, Infosys, Persistent, Wipro, Capgemini, Hexaware etc.
 - Industrial Internships offered to 95% students.
 - University Rankers.
 - Excellent placements in core E&TC Companies.
 - Highly Qualified Staff.
 - Industry Sponsored Labs.
 - Well-equipped labs.
 - Co-curricular and extra-curricular activities in latest technologies.
 - Industrial Visits.
 - 9+ Students Selected for MS in Foreign Universities.
 - Alumni Working at good position in MNCs

SCOPE

- Jobs in software & Core companies
 - Career in latest fields such as AI, IoT, Embedded Systems, Semiconductors, Robotics, Data Science, Cyber Security
 - Competitive exams and government sector jobs
 - Research in core domain.





Department of
Electrical
ENGINEERING

UG
Intake
→ 60

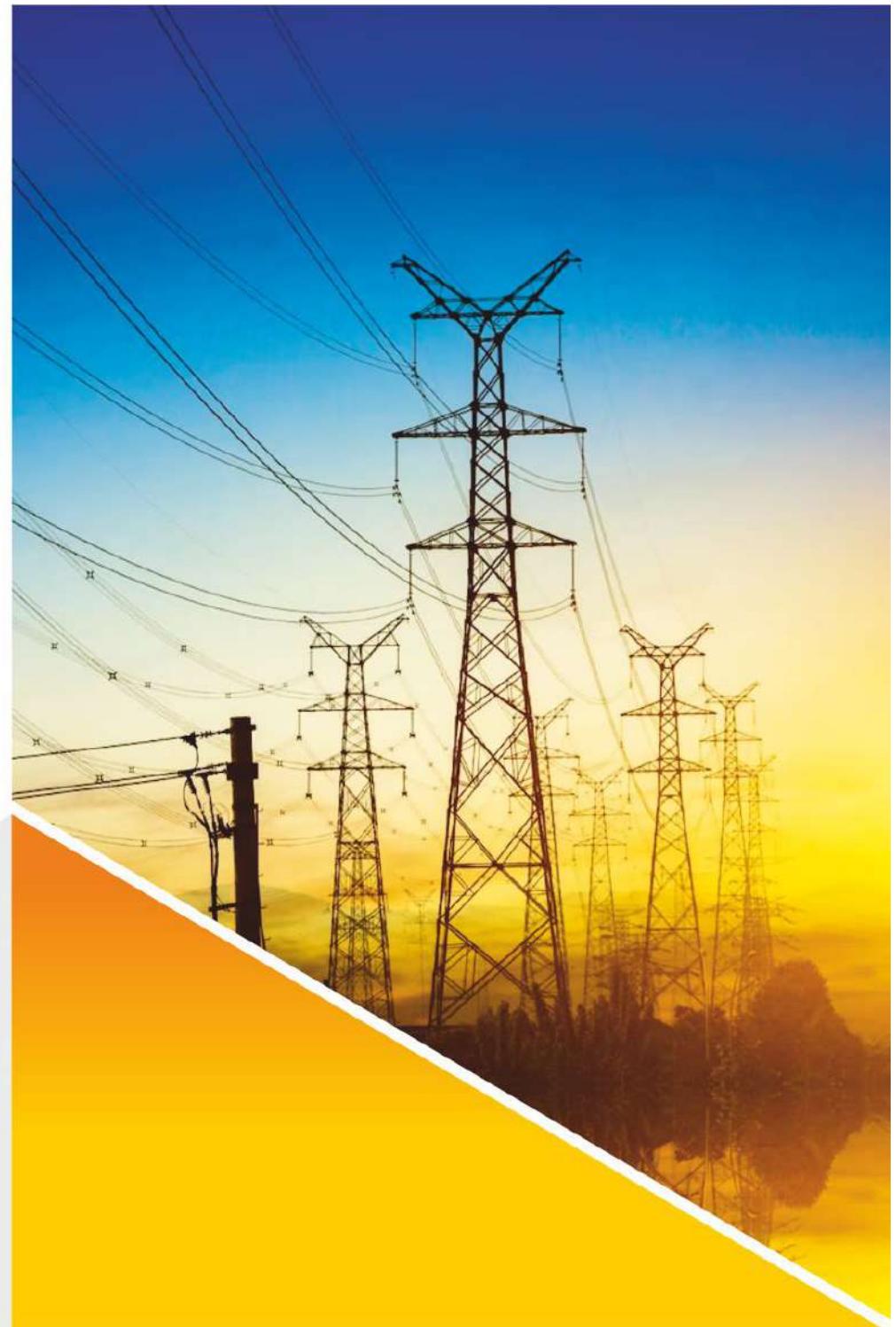
26.03.2024

ACHIEVEMENTS

- Students Selected in Government Sector :
Mahatransco, MahaDiscom,
Pune Metro, Mumbai Metro.
- More than 200 Students Selected in MNCs.
- 9 Students are Entrepreneurs.
- MoU with Foreign Universities.
- Industrial Visits & Internships.
- Exposure to IIT, Bombay Projects.

SCOPE

- Software placements - TCS, Infosys, Wipro, Accenture, IBM, Capgemini, Tech Mahindra etc.
- Core Electrical Placements :
Tata Power, Siemens, L&T, ABB, LHP, Kinetic Green, Adani power etc.
- State Government job MPSC, Mahagenco, Mahatransco, MSEDC, MIDC, MERC etc.
- Central Government job :
UPSC, SSC, DRDO, ISRO, NTPC, BHEL, BPCL, Power Grid, IOCL and many Navratna and Maharatna companies.
- Indian Railway - RRB, Metro etc.
- Banking sector
- Business Opportunities Electrical Contractor, Solar Business, Electric Vehicle Business
- Consultancy - Energy auditor & manager.
- Higher Studies – M.Tech., MS, PhD, MBA



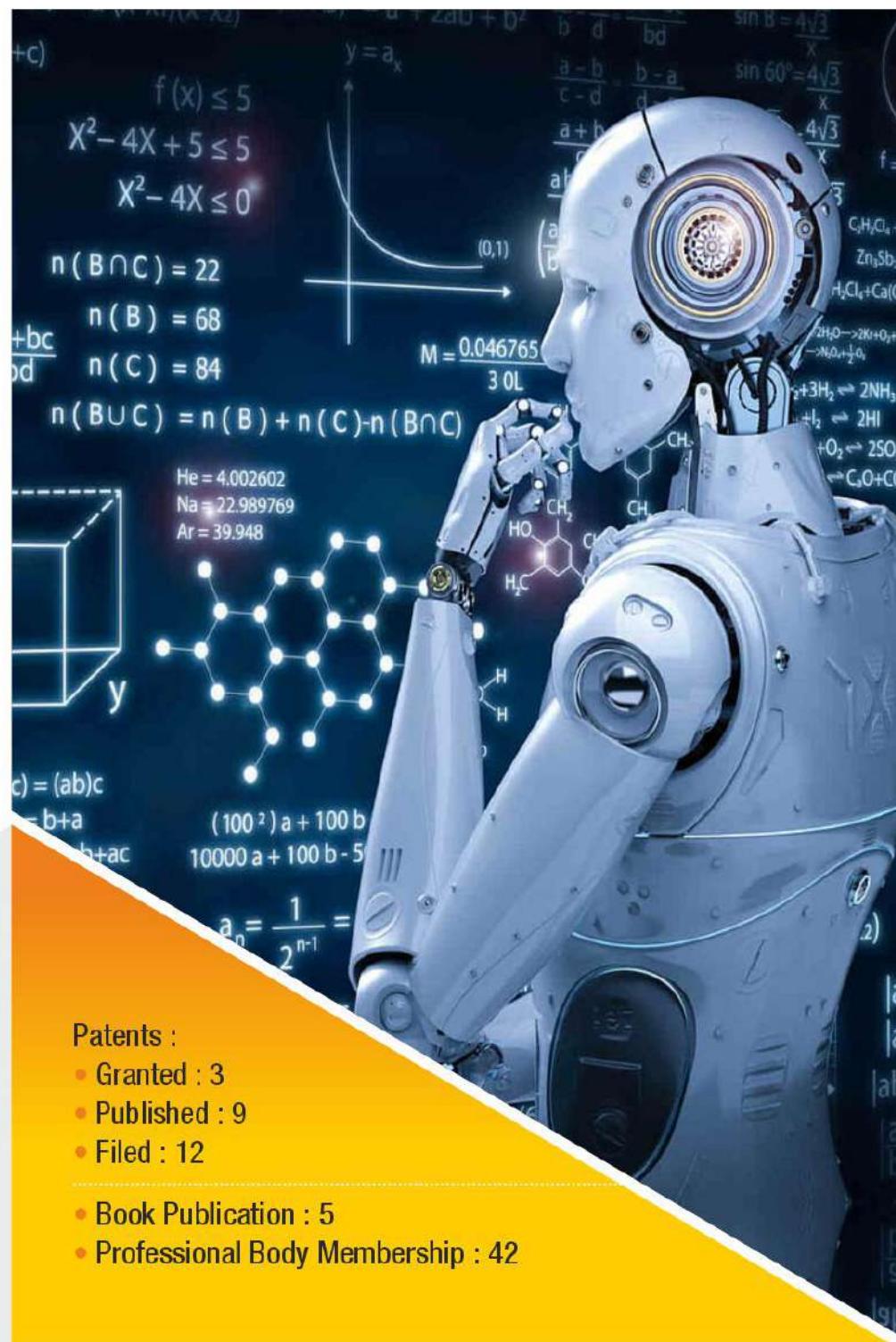


ACHIEVEMENTS

- Highly Qualified and Experienced Faculties (Avg. Exp. 17+ Years)
- 1.42 crore + Funding Received for Projects.
- 113+ Student placed each year.
- Excellent Solar Research Centre.
- Student Gate Qualified
- 42+ Students Selected for Foreign Universities
- National Ranking amongst the Best Mechanical Engg. Dept.
- MOU with different industries
- Aircraft & Drone Excellence

SCOPE

- Government Jobs
MPSC, UPSC, RTO etc.
- Army, Navy, Airforce.
- Research & Development
- Entrepreneur
- Rural Development
- Core Company Jobs.
- Software Company Jobs.
- Design Engineer
- Energy Engineer
- Aerospace Engineer
- Project Engineer





Department of
First Year
ENGINEERING

26 . 03 . 2024 15 : 1

ACHIEVEMENTS

General Engineering Department is the foundation stone with a blend of basics of Engineering and Applied Science. The department has highly qualified, competent & experienced mentors who facilitate students to master technical knowledge & skills.

The academic achievement of this department is a matter of pride for NKOCET- with quality results in first semester of Engineering.

The department focuses on the multi dimensional growth of the students by encouraging them to participate in sports and cultural activities. It also provides students with psychological counseling.

Consistent University Rankers Internship for all FY Students

COURSES OFFERED

- Computer Science & Engineering - 180
- Artificial Intelligence & Data Science - 60
- Electronics & Telecommunication Engg. - 60
- Electrical Engineering - 60
- Civil Engineering - 120
- Mechanical Engineering - 120
- Students Result

2022-23, 2021-22, 2020-21 & 2019-20 - 100%

2018-19 - 99.10%



- Paper Publication : 42
- Book Publication : 02
- Professional Body Membership : 05



03 . 04 . 2024 10 : 26



ज्ञान - विज्ञानं विमुक्तये



- Basket Ball Ground
- Football Ground
- Boys & Girls Hostel
- College Canteen
- Green Campus







• kaleidoscope





INSTITUTE CODE : EN6223

Pradnya Niketan Education Society, Pune.

N.K. **ORCHID** COLLEGE OF ENGINEERING AND TECHNOLOGY, SOLAPUR

The Degree Engineering College

- Approved by AICTE, New Delhi • Recognized by Govt. of Maharashtra
- Affiliated to State Technological University DBATU, Lonere

Locally Rooted... Globally Competent Education...



Reach us

Gat No. 16, Solapur-Tuljapur Road, Tale-Hipparaga, Solapur - 413 002 • Cell : 9423084363
E-mail : office@orchidendg.ac.in • Website : www.orchidendg.ac.in

Visit us