DECRYPTED

A PUBLICATION OF DEPARTMENT OF COMPUTER ENGINEERING

ANJUMAN - I - ISLAM'S KALSEKAR
ENGINEERING & TECHNOLOGY
TECHNICAL CAMPUS, NEW PANVEL
ARCHITECTURE
PHARMACY

AKTC

NAVI MUMBAI - INDIA

JAN-JUNE 2024

ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS

SCHOOL OF ENGINEERING AND TECHNOLOGY

The Anjuman-I-Islam, a prominent educational conglomerate in Mumbai has started its 150-years of successful journey. The educational institute that started with a modest one school in February 1874, now has more than eighty institutions. The educational conglomerate and social organization was founded by a small group of devout and progressive Muslims led by Dr. Badruddin Tyabji, Third President of the Indian National Congress and the First Acting Indian Chief Justice of Bombay High Court, with a "desire to see the Muslim Community advance in education and social standing".

President's Message

DR.ZAHIR.I.KAZI
President,
Anjuman-I-Islam, Mumbai

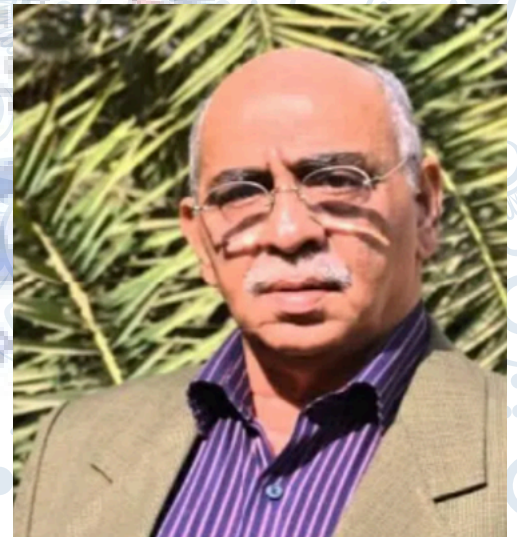*"The art challenges the technology, and the technology inspires art."*

All progress takes place outside the comfort zone

Dear aspiring students,

I welcome you to Kalsekar Technical Campus (AIKTC), a role model campus of Anjuman-I-Islam and a high-tech educational campus of Navi Mumbai. AIKTC came into existence by the progressive approach and efforts of Anjuman-I-Islam Mumbai, the foremost prestigious educational and social organization committed for nation building services since 1874.

Chairman's Message

Escape the Ordinary!

My dear students,

Hearty welcome to Anjuman-I-Islam's Kalsekar Technical Campus. It is one of the highly acclaimed institutions in the history of Anjuman-I-Islam. From the beginning of this campus, we have been remarkably successful in imparting quality technical education through sincere and honest practices, thus building a culture of great work. We enable every student to explore new realms of knowledge, skills, attitude and wisdom. At this campus, we produce knowledgeable technical professionals with the right attitude, character, and inspiring mindset, thus making them lifelong learners. For this, we do all that is required to be done for you.

MR. BURHAN HARRIS
Hon. Executive Chairman, BINM

"With You…. Till You Do Not Need Us – In Any Way"

Director's Message

DR. RAMJAN AHAMAD KHATIK
Director - AIKTC, New Panvel

"Do what you have to do until you can do what you want to do! Ask yourself if what you're doing today is getting you closer to where you want to be tomorrow."

"The distance between Dreams and Reality is called Action"

My dear students,
We have completed a decade of Innovative Teaching, Leading, Learning and Growing. If you have a passionate desire, believe in yourself, ready to visualize and push yourself with 1% extra effort (action) compared to others, then you are at the right place (AIKTC) to make it happen. We are committed to provide education par excellence to our students to become graduates with strong globally acceptable attributes in the exponentially evolving world. It is our innate pride for having attained the status of being "Role model campus" of Anjuman-I-Islam, Mumbai. We honestly impart technical education par excellence leveraging knowledge & skills, nurturing values & characters for holistic human development and global well-being.

Dean's Message

"Dream, Believe, Act, Achieve."

As a dean of the School of Engineering and Technology (SoET), I take great pride in sharing that the school has state-of-the-art infrastructure and laboratories. Our faculty members are from diverse domains; they are highly qualified, having decades of teaching and industrial experience. We have set a tradition of soaring high with academic excellence and overall personality development of the students. The very purpose of education is to inculcate among the students an ability to think and develop logic to reason out facts, and this is achieved by providing them with an excellent academic environment

DR.RAJENDRA MAGAR
Dean, SoET
AIKTC, New Panvel

"Quality education is a partnership between students, teachers, and leaders, and together, we can achieve greatness."

HOD's Message

"Dreams fuel the journey, but action paves the way."

Dear Learners,

I am thrilled to extend a warm welcome to all of you to the Computer Engineering Department at AIKTC. It is with great pride that I serve as the Head of this dynamic and forward-thinking department.Our dedicated faculty members are not only experts in their respective fields but also passionate educators, committed to providing you with an exceptional learning experience. They bring a wealth of research and industry experience that enriches our curriculum and ensures that our students are exposed to the latest advancements in the field.

PROF . TABREZ KHA N
HOD, Computer Engineering
AIKTC, New Panvel

"In education, we don't just impart knowledge; we empower the next generation to shape a better world."

Editorial Head

We are delighted to present this edition of our department's technical magazine, showcasing the innovative ideas and research contributions of our students and faculty. This magazine serves as a platform to inspire curiosity, creativity, and technological excellence. We extend our gratitud to all contributors and hope this edition ignites a passion for learning and innovation among readers.

Prof. Muhib Lambay
Assistant Professor - CO

MESSAGE FROM
Editorial Board

With the successful release of this edition of our Department's Technical Magazine, we now look forward to the upcoming issue with renewed enthusiasm. The magazine has always been a platform to share ideas, innovations, and knowledge, and we warmly invite contributions from students, faculty, and alumni for the next edition.

We encourage articles, research insights, project reports, case studies, technical write-ups, creative content, and thought-provoking perspectives that reflect the spirit of innovation and excellence. Whether it is a breakthrough in research, an interesting project, or a fresh outlook on emerging technologies, your contribution will add immense value to the magazine.

Our aim is to make the forthcoming edition even more engaging and informative, and for that, we seek your active participation and support. Together, let us continue to foster a culture of knowledge sharing, creativity, and collaboration.

We eagerly await your contributions and look forward to your ideas shaping the next edition.

– Editorial Board

STUDENT EDITORIAL TEAM

Muzammil Ansari

Sumaiya Dadnak

Umair Faquih

SCHOOL OF
ENGINEERING &
TECHNOLOGY

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STUDENT ACHIEVEMENTS

TechnoScope 2k24

A team of students – Mohammad Shahid, A. A. Mullaji, Jawale Mohasin Dawal, Shaikh Arbaz Ali, and Tripathi Anubhav Ashok – showcased their skills at TechnoScope 2K24, hosted by AIKTC, where their innovative efforts earned them a prize of Rs. 20,000.

STUDENT ACHIEVEMENTS

TechnoScope 2k24

A talented group of students – Khan Bushra, Sarfaraz Ansari, Mohammad aalam, Momin Rojina, Shirgaonkar Laiba, and Munaf – showcased their skills at TechnoScope 2K24, hosted by AIKTC, where their innovative efforts earned them a prize of Rs. 10,000.

2 FACULTY ACHIEVEMENTS

Prof. Nusrat Jahan successfully published a book titled "Software for Bank Lead Management System: LMS Case Study" with LAP LAMBERT Academic Publishing.

Prof. Muhib A. Lambay published a research paper in the reputed SCI Journal, Multimedia Tools and Applications.

Dr. Shivaji Pawar was invited as an Expert at Dipex-2024, a State-level Project Competition hosted by Terna Engineering College.

TRAINING AND PLACEMENT

Training & Placement

Prof. Ashfaq Jamkhandikar
Head of TPO

Training and Placement Cell – AIKTC
The Training and Placement Cell at AIKTC facilitates student placements through regular campus recruitment drives by renowned multinational companies and conglomerates.
The institute is equipped with dedicated facilities for:
- Written and online tests
- Group discussions
- Interviews
- Other placement-related activities

A committed faculty and student committee, under the guidance of the TPO, ensures systematic training and continuous preparation for interviews and workplace readiness.
Thanks to strong industry connections, all eligible students are placed annually, with many securing multiple offers. Over 75+ companies visit the campus yearly, offering 200+ job offers to B.E. students, with pay packages ranging from ₹3 to ₹12 LPA.

Training and Placement – Computer Engineering Department
The Training and Placement Cell of the Computer Engineering Department at AIKTC actively supports students in securing jobs through campus interviews. Each year, several renowned national and international companies visit the campus for recruitment.
Students benefit from well-established facilities for:
- Written and online assessments
- Group discussions
- Interviews
- Other placement-related activities like CRTs

The cell ensures students are motivated and well-prepared for interviews and future workplaces through structured and continuous training efforts.

Prof.Mukhtar Ansari
TPO Coordinator

4 STUDENTS CLUB

Google Developer Groups

On Campus • Anjuman-I-Islam's Kalsekar Technical Campus, Panvel

The GDSC program is a grassroots channel through which Google provides development skills, mobile and web development skills for students, towards employability.
For students to learn development skills, solve problems through technology and inspire them to be world class developers and changemakers. GDSC activities are targeted at University students and any others including faculty members who want to learn development skills & work to solve real-life problems.
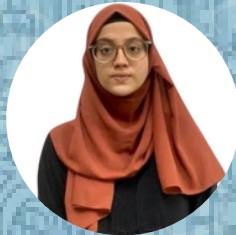
Prof. Samreen Banu Kazi
Faculty Co-ordinator

Raza Shaikh
Student Co-ordinator

Siddiqa Shaikh
GDSC Lead

Bushra Khan
Technical Expert

Nadaf Zakki
Web Expert

Rehan Rangrez
UI/UX Executive

Programmers Club

A club "For the students, by the students" who focus and work to foster a dynamic community of tech enthusiasts, emphasizes student-led initiatives, promotes learning & personal growth also engages in workshops, projects & discussions.
Vision: To create a thriving community of tech passionate students that gather to explore, learn & innovate.
Mission: To provide platform for students to enhance their tech & programming skills through workshops.

Saqlain Kalokhe
Student Co-ordinator

Shahdullah Shaikh
Technical & Event Management

Ambar Qadri
Documentation & Content

Adil Ahmed
Web Development

Iman Navdekar
Marketing & Social Media

5 ALGORITHM 8.0

The Programmers Club of Anjuman-I-Islam's Kalsekar Technical Campus (AIKTC) organized a thrilling and intellectually enriching event – the "ALGORITHM 8.O", A National Level Hackathon. Held on the 1st and 2nd of March 2024, this 32-hour non-stop coding extravaganza brought together programmers, developers and tech enthusiasts from various backgrounds, all eager to exhibit their skills, creativity, and problem-solving prowess.

Hosted by the Computer Engineering Department's Programmers Club, the event served as a dynamic platform for participants to unleash their innovative ideas while tackling real-world challenges. It not only highlighted the immense talent within the tech community but also fostered collaboration, learning, and a spirit of continuous innovation.

We are proud to celebrate the exceptional achievements of our very own students at this national-level event. Team "Desi Coders", representing the Computer Engineering Department of AIKTC, emerged as the winning team with their impactful project titled "Open Source AI for Social Good". Their dedication, innovation, and technical expertise truly set them apart.

These remarkable accomplishments reflect the nurturing environment and culture of excellence at AIKTC. We take great pride in our students' contributions to the ever-evolving world of technology and problem-solving.

OUTCOMES:

- Participants used technology and programming to develop innovative solutions.

- The winning team was selected based on various parameters like technical soundness, and alignment with SDGs.
- Participants gained valuable experience and learned new skills.

- The hackathon raised awareness and created solutions for real-world problems.

- The organizing team also learned various soft skills while coordinating the hackathon, which added to their professional development.

6 BONHOMIE

The Council of Students (CoST) at AIKTC organized the annual Sports, Cultural, and Technical Fest – Bonhomie- from 13th to 17th February 2024, with support from the Director and Anjuman-I-Islam's Management.

The fest was inaugurated on 6th March in the AIKTC auditorium, with Dr. Vijay Kumar (Deputy Commissioner-GST, Maharashtra) as the Chief Guest, who inspired students with his personal journey.

Dr. Zahir Kazi, President of Anjuman-I-Islam, highlighted the importance of communication, public speaking, and participation in such events for holistic development.

Director Dr. Ramjan Khatik emphasized values like teamwork, leadership, and ethics over winning alone.

Over a week, students participated enthusiastically in various sports, technical, and cultural events. From football and athletics to debates, and extempore, and vibrant cultural performances, the fest showcased student talent across all disciplines.
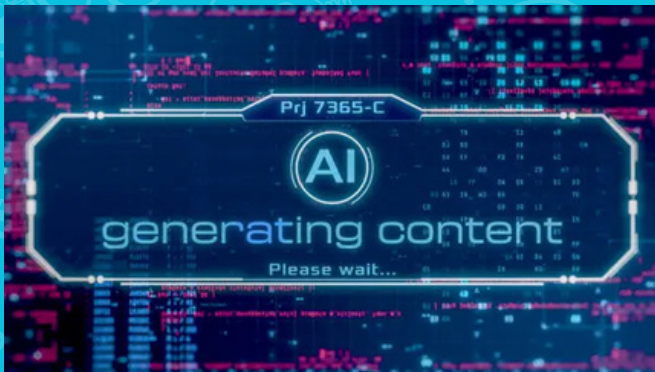
Bonhomie 2024 successfully united students from Architecture, Pharmacy, and Engineering, leaving a lasting impact and fostering a spirit of collaboration and excellence.

7 TECH ARTICLES

Sora – Future of AI Videos

Sora is OpenAI's groundbreaking AI video generation model, unveiled in February 2024, that transforms text prompts into realistic, high-quality videos up to 60 seconds long. Trained on vast datasets using diffusion models, it understands prompts, camera angles, motion, and lighting to create or extend scenes with photorealistic detail. With applications in filmmaking, advertising, education, and game development, Sora represents a major leap in AI-driven content creation. While not fully public yet due to ethical concerns like deepfakes, it offers a glimpse into a future where storytelling becomes faster, cheaper, and more accessible to anyone with an idea.

Gemini – Google's Answer to ChatGPT

Gemini, Google DeepMind's advanced AI model launched in December 2023, is positioned as a direct competitor to ChatGPT, offering a powerful mix of language, vision, audio, and coding capabilities in a single system. Its latest release, Gemini 1.5 (2024), gained attention for processing up to a million tokens at once, allowing it to "read" and analyze entire books, websites, or codebases in one go. While ChatGPT remains stronger in natural conversation, Gemini stands out in logic, math, and complex problem-solving, and its tight integration with Google's ecosystem (Docs, Sheets, Android, and more) makes it especially valuable for productivity. Real-world use already spans education, research, content creation, and coding, with lightweight versions like Gemini Nano running directly on devices such as the Pixel 8. Though concerns remain around factual accuracy and ethical use, Google is rapidly improving the model, and Gemini's multimodal design positions it as a key driver of how we will work, learn, and create in the future.

ANJUMAN-I-ISLAM'S
KALSEKAR TECHNICAL CAMPUS

It is an outstanding technological campus where students are trained & taught by qualifiedteachers and trainers to attain their full potential. AIKTC provides Best of Facilities for quality education, research and practice in all the professional Programes in Engineering & Technology ranging from Diploma to Degree to Postgraduate courses.

The Campus aims at developing students into a complete Human Resource, that needs the highest expectations of the industry and the society at large. It also develops their capabilities to face the challenges of ever changing socal and technical world.

OUR VISION:
"To be the most sought after Technical Campus that others would wish to emulate"

OUR MISSION:
"Creating Exuberant Technical Professionals"

Bachelor Of Engineering (B.E.) 4 years
Civil Engineering
Computer Engineering
Computer Science & Engineering in
Artificial Intelligence & Machine Learning
Computer Science & Engineering in Data Science
Electrical & Computer Engineering (*Proposed)
Electronics & Computer Science
Mechanical Engineering

B.E. Direct Second Year (3 Years)
M.E. (2 Years)
Construction Engineering
& Management
*Structural Engineering (*Proposed)
PH.D
Research Centre In Civil Engineering
B.Sc.IT (3 Years)

With You... Till You Do Not Need Us - In Any Way

CONTACT US

📞 +91 8104363070   ✉ admissions@aiktc.ac.in   📍 Plot No. 2 & 3, Sector - 16, Near Thana Naka, Khandagaon, New Panvel - 410206, Navi Mumbai