

DECRYPTED

A PUBLICATION OF DEPARTMENT
OF COMPUTER ENGINEERING

JUL - DEC 2023



Anjuman-I-Islam's Kalsekar Technical Campus

SCHOOL OF ENGINEERING AND TECHNOLOGY

The Anjuman-I-Islam, a prominent educational conglomerate in Mumbai. 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".



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

“The art challenges the technology, and the technology inspires art.”

President's Message

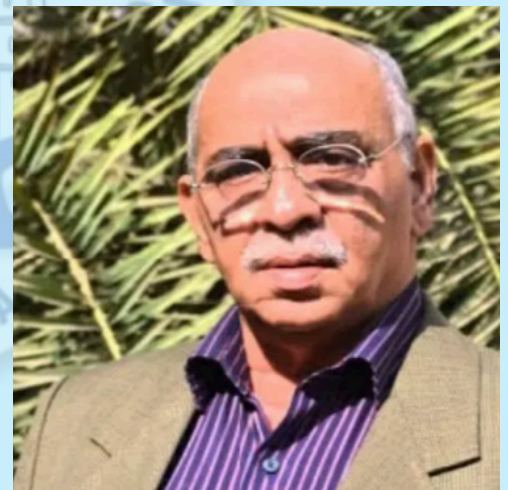
All progress takes place outside the comfort zone

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“



**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.”

Director’s Message

“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.”



PROF . TABREZ KHAN
HOD, Computer Engineering
AIKTC, New Panvel

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

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.

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 gratitude to all contributors and hope this edition ignites a passion for learning and innovation among readers.



PROF. MUHIB LAMBAY
Assistant Professor, CO

Editorial Board

It gives us immense pleasure to present the latest edition of our Department's Technical Magazine. This magazine is a reflection of the creativity, technical knowledge, and innovative spirit of our students and faculty members.

In today's rapidly evolving world, technology continues to shape our future at an unprecedented pace. Through this publication, we aim to showcase insightful articles, research ideas, project highlights, and thought-provoking perspectives that not only capture the essence of technical advancements but also inspire curiosity and innovation among our readers.

The magazine serves as a platform for students to express their technical acumen, creativity, and problem-solving skills, while also highlighting the achievements and contributions of the department. We firmly believe that such initiatives foster a culture of continuous learning and collaboration.

We extend our heartfelt gratitude to the authors, contributors, faculty advisors, and the entire editorial team whose dedication has made this issue possible. We also thank our readers for their encouragement, as your support motivates us to raise the standards with every edition.

We hope this magazine will ignite fresh ideas, encourage knowledge sharing, and strengthen the bond within our academic and professional community.

Happy Reading!

Student Editorial Team



**Mohd. Muzammil
Ansari**



Maseera Rumani



Sumaiya Dadnak



Umair Faquih

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Student Achievements

Technical Treasure Hunt @ Shark Tank and Web Solving.

- Hamza Khalid Baig
1st Position in Technical Treasure Hunt



Programming Contest @ Ballotindia.Com Platform

- Umar Farooq
Received Rs. 100000 funding

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Student Achievements

ACHIEVEMENTS OF B.E. 2023



**Khan Farhaan
Firoz**

- Pointer : 9.64
- Percentage : 83.34%



**Siddiqui Ehtesham
Aslam**

- Pointer : 9.52
- Percentage : 82.45%



**Shikalgar Farhan
Umarfaruk**

- Pointer : 9.45
- Percentage : 81.93%



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Faculty Achievements

Book Publication

Software for Bank Lead Management System: LMS Case Study – LAP LAMBERT Academic Publishing



Prof. Tabrez Khan



Prof. Salim Shaikh

Research Paper Publication

Biomedical Signal Processing and Control – SCI Journal of Autonomous Intelligence – Scopus Journal

Research Paper Publication

Multimedia Tools and Applications – SCI Journal



Prof. Muhib A. Lambay

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Training-Placement & Incubation Center

Training & Placement

Training and Placement – Computer Engineering Department

The Training and Placement Cell of the Computer Engineering Department at AIKTC actively supports students in securing job opportunities 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 through CRTs
- Group discussions
- Interviews
- Other placement-related activities

The cell ensures students are motivated and well-prepared for interviews and future workplaces through structured and continuous training efforts. Along with technical preparation, focus is given to soft skills, communication, and professional ethics. Workshops, industry interactions, and alumni guidance sessions further enhance student's career readiness and broaden their opportunities.



Prof. Mukhtar Ansari
TPO Coordinator



Prof. Ashfaque Jamkhandikar
TPO Head



Incubation Center



Prof Abdul Majid Ansari
Head of Incubation Center

Some of our Startups

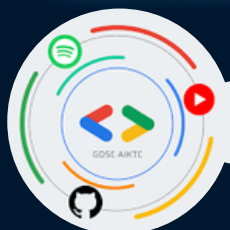


- Anjuman-I-Islam's Kalsekar Technical Campus Incubation Centre (AIKIC) supports early-stage startups by guiding them from the idea stage to funding, offering training, mentoring, and investor opportunities. With collaborations including IIM Jammu, NIT, Dept. of Agriculture (J&K), CIIA, Riidl, and IIT SINE, AIKIC has created strong networks for growth. Notable achievements include organizing the Best Startup Idea Award 2022 with 17 participating startups, presenting 7 startup stalls at the World Trade Center Expo in Mumbai, facilitating participation of 5 startups in the District-level Startup Yatra, and a Dubai business visit by the Head of Business Incubation.

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Students Club



Google Developer Student Club

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.



Saqain Kalokhe
Student Co-ordinator



Shadulla Shaikh
Technical & Event
Management



Ambar Qadri
Documentation &
Content



Adil Ahmed
Web Development



Iman Navdekar
Marketing &
Social Media

05



ALGORITHM 7.0

The Programmers Club at AIKTC (AI's Kalsekar Technical Campus) hosted a thrilling and intellectually stimulating event—the "ALGORITHM 7.0", A National Level Hackathon. This 32-hour coding



extravaganza attracted programmers, developers, and tech enthusiasts from various colleges, with an eagerness to showcase their skills, innovation, and problem-solving abilities. The event, held on 3rd and 4th March 2023 was a resounding success, reflecting the passion and creativity within the tech community. Programmers Club of AIKTC'S COMPUTER ENGINEERING DEPARTMENT provided a remarkable platform for tech enthusiasts to unleash their creativity and problem-solving abilities. It not only showcased the immense talent within the tech community but also encouraged collaboration, learning, and innovation.

We are pleased to highlight the exceptional achievements of our AIKTC students at the recent hackathon event. The team Trailblazers from Anjuman-I-Islam's Kalsekar Technical Campus Computer Engineering department emerged as the winner, demonstrating their remarkable skills and determination. Additionally, the prestigious title of "Best Innovation Idea" went to Workaholic Coders, another team from our campus. These outstanding accomplishments reflect the innovation and talent fostered within our AIKTC community, and we take pride in their remarkable contributions to the field 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.



- Mr. Nadir Shaikh (Alumni) offered placement to two team members of the winning team.



- 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.



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Bonhomie

The Council of Students (CoST) at AIKTC organized the annual Sports, Cultural, and Technical Fest – Bonhomie & Fuerza – from 6th to 14th March 2023, with support from the Director and Anjuman-I-Islam 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 nine days, students participated enthusiastically in various sports, technical, and cultural events. From football and athletics to hackathons, coding, and robotics, and vibrant cultural performances. The fest showcased student's talent across all disciplines. Workshops and expert-led sessions added to the learning experience.

Bonhomie & Fuerza 2023 successfully united students from Architecture, Pharmacy, and Engineering, leaving a lasting impact and fostering a spirit of collaboration and excellence.





Tech Beyond the Screen: The Next Leap

“From clicks and scrolls to thoughts and senses—technology is going beyond devices to shape how we live, learn, and connect.”

Can we really use technology without screens?

Yes — and it's already happening. Devices like Neuralink are decoding brain signals, letting users control machines just by thinking.



Meanwhile, Augmented Reality (AR) contact lenses are being developed to display digital information right onto your eyes — no phone, no screen, just reality enhanced.

This shift is called the Post-Screen Era, and it's all about making technology feel invisible yet intelligent. Imagine walking into a room where the lights, music, and temperature adjust to your presence without you touching a thing. That's Ambient Computing — where tech blends seamlessly into your environment.

Why does this matter now?

Because the next leap in tech will come from people who look beyond the obvious. Whether you want to be an engineer, designer or entrepreneur, embracing this new era early will give you a powerful edge.

What does this mean for students like us?

It means we need to think beyond traditional apps and websites. Tomorrow's innovators will be working on voice-first interfaces, gesture-based controls, and even emotional AI — systems that understand your feelings and respond empathetically.

So while coding still matters, design thinking, psychology, ethics, and neuroscience will soon be just as important. The question isn't "Can you code an app?" anymore. It's "Can you build an experience that thinks, feels, and adapts?"

So here's a challenge: What can you create that doesn't need a screen to feel smart?

ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS



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

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

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