

MAR BASELIOS CHRISTIAN
COLLEGE OF ENGINEERING & TECHNOLOGY
KUTTIKANAM, PEERMADA

INTELLIX



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ABOUT THE DEPARTMENT

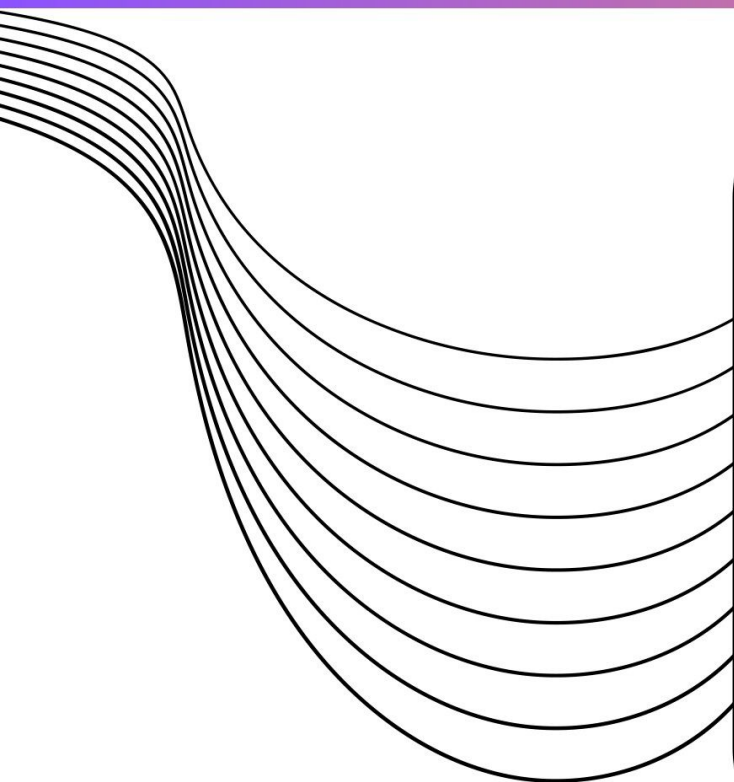
THE COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE) DEPARTMENT FOCUSES ON INTEGRATING TRADITIONAL COMPUTER SCIENCE WITH THE LATEST ADVANCEMENTS IN ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML). THIS SPECIALIZED BRANCH IS DESIGNED TO EQUIP STUDENTS WITH THE KNOWLEDGE AND SKILLS REQUIRED TO DEVELOP AI-DRIVEN SOLUTIONS FOR REAL-WORLD PROBLEMS.

KEY AREAS IN CSE (AI):

CORE COMPUTER SCIENCE SUBJECTS
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING
MATHEMATICAL AND STATISTICAL FOUNDATIONS
DATA SCIENCE AND EMERGING TECHNOLOGIES
PROGRAMMING & DEVELOPMENT

CAREER OPPORTUNITIES FOR CSE (AI) GRADUATES:

AI/ML ENGINEER, DATA SCIENTIST, SOFTWARE DEVELOPER (AI/ML), NLP ENGINEER, ROBOTICS ENGINEER, AI RESEARCH SCIENTIST, BUSINESS INTELLIGENCE ANALYST, CYBERSECURITY ANALYST (AI-DRIVEN SECURITY) WITH AI REVOLUTIONIZING INDUSTRIES LIKE HEALTHCARE, FINANCE, E-COMMERCE, AND AUTONOMOUS SYSTEMS, CSE (AI) GRADUATES HAVE STRONG CAREER PROSPECTS IN BOTH RESEARCH AND INDUSTRY.



PROF. ANNIE CHACKO

HEAD OF DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
(ARTIFICIAL INTELLIGENCE)

MESSAGE FROM HOD

IT GIVES ME IMMENSE PLEASURE TO WELCOME YOU ALL TO THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE).

CSE(AI)DEPARTMENT IS ESTABLISHED IN THE YEAR 2023 WITH 60 INTAKES. IN THIS ERA OF RAPID TECHNOLOGICAL ADVANCEMENTS, AI HAS EMERGED AS A TRANSFORMATIVE FORCE SHAPING THE FUTURE OF INDUSTRIES, RESEARCH, AND SOCIETY AT LARGE. OUR DEPARTMENT IS COMMITTED TO PROVIDING CUTTING-EDGE EDUCATION, INNOVATIVE RESEARCH OPPORTUNITIES, AND INDUSTRY COLLABORATIONS TO EQUIP STUDENTS WITH THE SKILLS REQUIRED TO THRIVE IN THE FIELD OF ARTIFICIAL INTELLIGENCE.

OUR DEDICATED FACULTY MEMBERS AND STATE-OF-THE-ART INFRASTRUCTURE ENSURE THAT STUDENTS RECEIVE HANDS-ON EXPERIENCE IN MACHINE LEARNING, DEEP LEARNING, NATURAL LANGUAGE PROCESSING, COMPUTER VISION, AND AI-DRIVEN APPLICATIONS. WE BELIEVE IN FOSTERING A CULTURE OF CREATIVITY, CRITICAL THINKING, AND ETHICAL AI DEVELOPMENT TO CREATE PROFESSIONALS WHO CAN CONTRIBUTE TO GLOBAL TECHNOLOGICAL ADVANCEMENTS RESPONSIBLY. WE ENCOURAGE OUR STUDENTS TO ACTIVELY PARTICIPATE IN RESEARCH PROJECTS, HACKATHONS, INTERNSHIPS, AND INDUSTRY-DRIVEN INITIATIVES TO GAIN PRACTICAL EXPOSURE.

I INVITE ALL ASPIRING MINDS TO EXPLORE THE LIMITLESS OPPORTUNITIES THAT AI OFFERS AND EMBARK ON THIS EXCITING JOURNEY WITH US. LET US WORK TOGETHER TO BUILD A SMARTER AND MORE INCLUSIVE TECHNOLOGICAL FUTURE.

BEST WISHES,

PROF ANNIE CHACKO

HEAD OF DEPARTMENT

COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE)

VISION

TO EVOLVE AS A CENTER OF EXCELLENCE IN ARTIFICIAL INTELLIGENCE, FOSTERING COLLABORATIVE CULTURE AND SHAPING INDUSTRY-READY ENGINEERS COMMITTED TO SERVE THE SOCIETY.

MISSION

- TO PROVIDE ADVANCED AI TRAINING, EMPHASIZING MODERN TECHNOLOGIES AND RESEARCH TO SOLVE REAL-WORLD PROBLEMS.
- TO CREATE A STRONG ENTREPRENEURIAL ECOSYSTEM THAT UNITES INDUSTRY AND ACADEMIA TO DRIVE INNOVATION.
- INSPIRE STUDENTS TO FACILITATE THE DEVELOPMENT OF PROFESSIONAL BEHAVIOR, ETHICAL VALUES FOR THE BETTERMENT OF THE SOCIETY.

PSO

PSO1: DEVELOP AND APPLY PRACTICAL KNOWLEDGE TO CREATE INNOVATIVE SOLUTIONS AND CONTRIBUTE NEW IDEAS.

PSO2: ANALYZE AND DESIGN COMPUTATIONAL MODELS AND SYSTEMS IN DOMAINS RELATED TO ARTIFICIAL INTELLIGENCE AND ROBOTICS.

PSO3: UTILIZE ADVANCED ARTIFICIAL INTELLIGENCE CONCEPTS, METHODOLOGIES, AND STRATEGIES TO DEVELOP SUSTAINABLE, HIGH-QUALITY PRODUCTS LEVERAGING AI TECHNOLOGIES.

PEO

PEO1: THINK ANALYTICAL SKILLS TO DESIGN INNOVATIVE SOLUTIONS FOR REAL-LIFE CHALLENGES, PREPARING PROFESSIONALS FOR INDUSTRY OR ENTREPRENEURSHIP.

PEO2: EMBRACE LIFELONG LEARNING TO MEET EVER CHANGING DEVELOPMENTS IN ARTIFICIAL INTELLIGENCE IN A SUSTAINABLE MANNER.

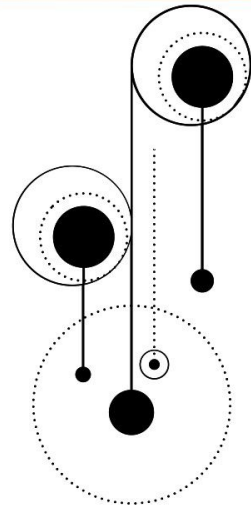
PEO3: BECOME SOCIALLY RESPONSIBLE ENGINEERS WITH GOOD LEADERSHIP QUALITIES AND EFFECTIVE INTERPERSONAL SKILLS WITH ETHICAL RESPONSIBILITIES.

DEPARTMENT ACHIEVEMENTS



NASA SPACE APP CHALLENGE WINNERS 2024

NASA SPACE APP CHALLENGE WINNERS HONORED AT CSE(AI), MAR BASELIOS CHRISTIAN COLLEGE OF ENGINEERING AND TECHNOLOGY, PEERMADE TEAM HOSHIKO OF MEMBERS SHAUN DAVID PRINCE-CSE(AI), MOHIL C-CSE(AI), MANU V-CSE(AI), AND KARTHIK S KURUP-CSE(AI) HAVE BEEN RECOGNIZED FOR THEIR OUTSTANDING CONTRIBUTIONS TO THE NASA SPACE APP CHALLENGE & THEIR PROJECT WAS SELECTED AS ONE OF THE TOP 10 LEADING PROJECT AND SELECTED AS GLOBAL NOMINEES. THE LOCAL EVENT WAS HELD AT VISAT COLLEGE IN ELANJI, ERNAKULAM.



PRIYAM

S4 CSE(AI) STUDENTS(ALKA MARTIN, SNEHA BIJU) HAVE SECURED THIRD POSITION IN THE TINK-HER-HACK HACKATHON HELD AT MBCCT. THE PURPOSE OF PRIYAM WEB IS TO CREATE A DIGITAL PLATFORM THAT SIMPLIFIES LIFE FOR ELDERLY INDIVIDUALS BY ADDRESSING THE CHALLENGES THEY FACE IN ACCESSING AND NAVIGATING TECHNOLOGY.



FIRST PRIZE IN THE DECORATION FROM S2_CSE(AI)

CSE(AI) DEPARTMENT PARTICIPATED IN THE SENERGY CONFERENCE AT MBC AND SECURED THE FIRST PRIZE IN THE DECORATION CATEGORY! THIS ACHIEVEMENT REFLECTS OUR TEAM'S CREATIVITY, INNOVATION, AND DEDICATION. A BIG THANK YOU TO EVERYONE WHO CONTRIBUTED TO THIS SUCCESS.



SECOND PRIZE AT NAKSHATRA 2025

AARON SUNU MATHEW HAS SECURED SECOND PRIZE IN INKLESS MYSTERIES AT NAKSHATRA 2025, A PRESTIGIOUS TECHNICAL AND CULTURAL FEST HELD AT SAINTGITS COLLEGE OF ENGINEERING, KOTTAYAM.



FIRST PRIZE IN EXHIBITION COMPETITION

THE DEPARTMENT OF SCIENCE AND HUMANITY CONDUCTED THE EXHIBITION COMPETITION, IN WHICH THE AI DEPARTMENT SECURED FIRST PRIZE.

DEPARTMENT ACTIVITIES



TECHNICAL TALK- LATEST FRIEND IN AI WORLD CONDUCTED BY MR.SHERIN CHACKO

TECHNICAL TALK SESSION CONDUCTED BY MR. SHERIN CHACKO ON 25 JAN 2025 AT PTA SEMINAR HALL. THE SESSION, HELD ON WAS ORGANIZED TO PROVIDE STUDENTS AND FACULTY WITH VALUABLE INSIGHTS INTO ARTIFICIAL INTELLIGENCE WORLD.

TINK HER HACK

THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE (AI) & COMPUTER SCIENCE AND ENGINEERING (CSE) IN ASSOCIATION WITH THINKER HUB SUCCESSFULLY ORGANIZED THE TINK HER HACK HACKATHON ON 25TH JANUARY 2025. THIS EVENT AIMED TO FOSTER INNOVATION, PROBLEM-SOLVING SKILLS, AND TEAMWORK AMONG STUDENTS BY ENCOURAGING THEM TO DEVELOP TECH-DRIVEN SOLUTIONS TO REAL-WORLD CHALLENGES.



6-DAY FDP ON INTRODUCTION TO MACHINE LEARNING AND PYTHON & MACHINE LEARNING LAB

THE DEPARTMENT OF ARTIFICIAL INTELLIGENCE (AI) & COMPUTER SCIENCE AND ENGINEERING (CSE) WAS SUCCESSFULLY ORGANIZED A 6-DAY FACULTY DEVELOPMENT PROGRAM (FDP) ON "INTRODUCTION TO MACHINE LEARNING AND PYTHON & MACHINE LEARNING LAB" FROM 12TH TO 16TH NOVEMBER 2024 THROUGH ONLINE MODE. THE FDP AIMED TO PROVIDE FACULTY MEMBERS WITH FUNDAMENTAL KNOWLEDGE AND HANDS-ON EXPERIENCE IN MACHINE LEARNING CONCEPTS, ALGORITHMS, AND APPLICATIONS.

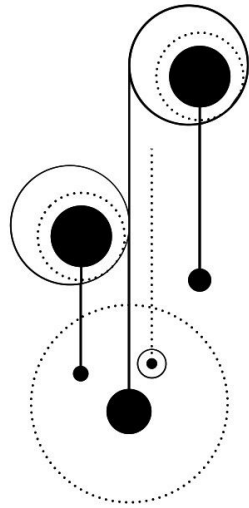


DAB MEETING

THE CSE(AI) DEPARTMENT WAS CONDUCTED THE DEPARTMENT ADVISORY BOARD (DAB) MEETING ON FEBRUARY 25, 2025 THROUGH ONLINE MODE. THE MEETING BROUGHT TOGETHER INDUSTRY AND ACADEMIC EXPERTS TO DISCUSS THE DEPARTMENT'S PROGRESS AND FUTURE INITIATIVES.

DEPARTMENT ACTIVITIES

ANGELS VILLAGE (HOME FOR DIFFERENTLY ABLED CHILDREN AT PONKUNNAM) THE STUDENTS OF CSE(AI DEPARTMENT HAD A HEARTWARMING AND ENRICHING EXPERIENCE DURING THEIR VISIT TO ANGELS VILLAGE, A HOME FOR DIFFERENTLY-ABLED CHILDREN IN PONKUNNAM, ON JANUARY 24, 2025.



DEPARTMENT DECORATION ACTIVITIES FOR SENERGY INTERNATIONAL CONFERENCE



DEPARTMENT ACTIVITIES



MOVIE NIGHT

THE CSE(AI) DEPARTMENT SUCCESSFULLY CONDUCTED A MOVIE NIGHT ON FEBRUARY 16, 2025, AT THE HI-TECH ROOM IN MBC. THE EVENT SAW ENTHUSIASTIC PARTICIPATION AND AROUND 120 STUDENTS ATTENDED. IT WAS AN ENGAGING AND ENJOYABLE EVENING, BRINGING STUDENTS TOGETHER FOR A SHARED CINEMATIC EXPERIENCE.

AICTE SANKALP

DEPARTMENT OF AI AND CSE OF MBC COLLEGE OF ENGINEERING AND TECHNOLOGY, PEERMADE ORGANIZED THE AWARENESS PROGRAM ON HIGH PERFORMANCE COMPUTING PROVIDED BY AICTE SANKALP ON 14 OCTOBER 2024 AT 10AM TO 12PM IN THE COLLEGE MINI AUDITORIUM. THIS SESSION WAS HANDLED BY THE MASTER TRAINER PROF. DR. P V RAJARAMAN, CHIEF TECHNOLOGY OFFICER ADI SANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY, KALADY. IN THIS SESSION THE PARTICIPANTS UNDERSTOOD THE BASIS OF HPC, ARCHITECTURING A SUPER COMPUTER SYSTEM, PARALLELIZATION OF PARADIGMS AND PARALLEL PROGRAMMING



FLASH MOB

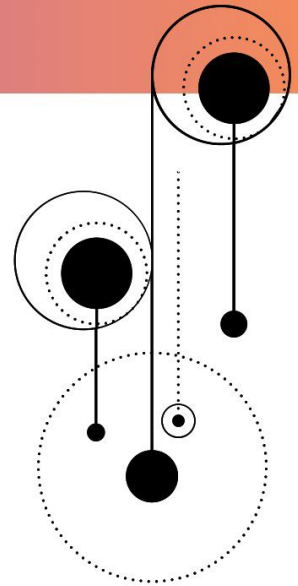
CSE(AI) DEPARTMENT REALLY PUT ON AN EXCITING AND LIVELY EVENT WITH THE FLASHMOB ON FEBRUARY 27, 2025, AT 3:30 PM AS PART OF AI DAY.

DEPARTMENT ACTIVITIES



CHRISTMAS VIBES

SPREADING THE JOY OF THE FESTIVE SEASON, WE CELEBRATED CHRISTMAS BY DISTRIBUTING DELICIOUS CHRISTMAS CAKES TO STUDENTS. THE EVENT WAS FILLED WITH HAPPINESS, LAUGHTER, AND THE TRUE SPIRIT OF TOGETHERNESS.



ADD-ON COURSE ON FULL STACK

SENIOR STUDENTS FROM CSE OF OUR COLLEGE FOR TAKING THE INITIATIVE TO ORGANIZE AND TEACH THE FULL STACK DEVELOPMENT ADD-ON COURSE. A SPECIAL THANKS TO SAFFIN, MATHWES, AKHIL, GAUTHAM, JUSTINE, AND REBEEN FOR THEIR GUIDANCE AND SUPPORT THROUGHOUT THE COURSE.



ADD-ON COURSE ON PYTHON

IN AN EFFORT TO ENHANCE THE PROGRAMMING SKILLS OF JUNIOR STUDENTS, SENIOR STUDENTS AT OUR COLLEGE HAVE TAKEN THE INITIATIVE TO ENROLL IN AN ADD-ON PYTHON COURSE. SHINAS SHAJAHAN AND SAFAL N HAVE PLAYED A KEY ROLE IN TEACHING THE BASICS OF PYTHON TO THEIR JUNIORS.



ADD-ON COURSE ON WEB DEVELOPMENT

SAFAL NOUSHAD, A SENIOR STUDENT WHO TOOK THE INITIATIVE TO ORGANIZE THIS COURSE AND GUIDED US THROUGH THE BASICS OF WEB DEVELOPMENT.

STAFF ACHIEVEMENTS

PROF. ANNIE CHACKO

- PRESENTED AND PUBLISHED A PAPER TITLED AS “OPTIMIZING CREDITWORTHINESS ASSESSMENT: LEVERAGING PCA AND ESVM FOR IMPROVED CREDIT SCORE ANALYSIS” IN IEEE CONFERENCE AT MODEL ENGINEERING COLLEGE , KOCHI ON 12 -13 APRIL 2024.
- ATTENDED 5 DAYS FDP ON EMERGEINNOVATE: EMPOWERING FACULTY FOR ENTREPRENEURIAL RESEARCH DEVELOPMENT BY MAHAGURU INSTITUTE OF TECHNOLOGY ON 9-13 APRIL 2024.
- ATTENDED 5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND ROBOTICS ,ORGANIZED BY MAHAGURU INSTITUTE OF TECHNOLOGY ON 15-19 JULY 2024.
- THE INTERNAL QUALITY ASSURANCE CELL (IQAC) OF MBC ORGANIZED A 5-DAY FACULTY DEVELOPMENT PROGRAM (FDP) ON “ENRICHMENT OF PROFESSIONAL ENGINEERING EDUCATION” FROM 16 AUGUST TO 20, 2024.
- ATTENDED 5 DAYS FDP ON INTRODUCTION TO MACHINE LEARNING AND PYTHON ,ORGANIZED BY MBC COLLEGE OF ENGINEERING AND TECHNOLOGY, PEERMADE ON 11- 16 NOVEMBER 2024.
- ATTENDED 5 DAYS FDP ON AI TOOLS FOR TEACHING, ORGANIZED BY DEPARTMENT OF ACCOUNTING AND FINANCE, JAIN COLLEGE, CHENNAI ON 20- 24 JANUARY 2025.

PROF. SANDRA S NAIR

- ATTENDED 5 DAYS FACULTY DEVELOPMENT PROGRAM ON RECENT ADVANCES IN COMPUTING.
- THE INTERNAL QUALITY ASSURANCE CELL (IQAC) OF MBC ORGANIZED A 5-DAY FACULTY DEVELOPMENT PROGRAM (FDP) ON “ENRICHMENT OF PROFESSIONAL ENGINEERING EDUCATION” FROM 16 AUGUST TO 20, 2024.

PROF. MERLIN JOSHI

- THE INTERNAL QUALITY ASSURANCE CELL (IQAC) OF MBC ORGANIZED A 5-DAY FACULTY DEVELOPMENT PROGRAM (FDP) ON “ENRICHMENT OF PROFESSIONAL ENGINEERING EDUCATION” FROM 16 AUGUST TO 20, 2024.
- ATTENDED 5 DAYS FDP ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ON FROM OCT 1 TO 5, 2024
- ATTENDED 5 DAYS FDP ON PROBLEM SOLVING AND ADVANCEMENT IN PYTHON PROGRAMMING FROM DEC 2 TO 6, 2024.
- CERTIFICATED OF ACHIEVEMENTS IN INVESTIGATIVE TEACHING METHODS WITH AI TOOLS ON 15 JAN 2025.

PROF. SOBIN MATHEW

- ATTENDED 5 DAYS FDP ON 'APPLICATION OF AI IN ACADEMIC RESEARCH' FROM 27 TO 31 JAN 2025. THE FDP WAS ORGANIZED BY IQAC JPM ARTS & SCIENCE COLLEGE, LABBAKKADA IN ASSOCIATION WITH CHRIST UNIVERSITY BENGALURU.
- RESOURCE PERSON IN THE WEBINAR 'CYBER LAWS IN INDIA' ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE, JPM ARTS & SCIENCE COLLEGE, LABBAKKADA ON 19 FEB 2025. THE WEBINAR WAS CONDUCTED THROUGH GOOGLE MEET PLATFORM.

PROF. JEENA MARY KURIAN

- 5-DAY FACULTY DEVELOPMENT PROGRAM ON “COMPREHENSIVE CYBER SECURITY STRATEGIES: FROM PROTOCOL ANALYSIS TO THREAT MITIGATION FROM JANUARY 10 TO 14, 2025 .

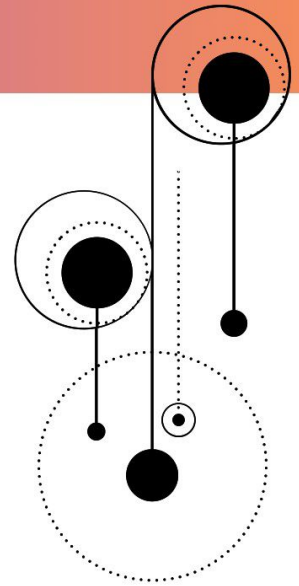
FRAMES FROM FLASHMOB



DEPARTMENT LOGO LAUNCH

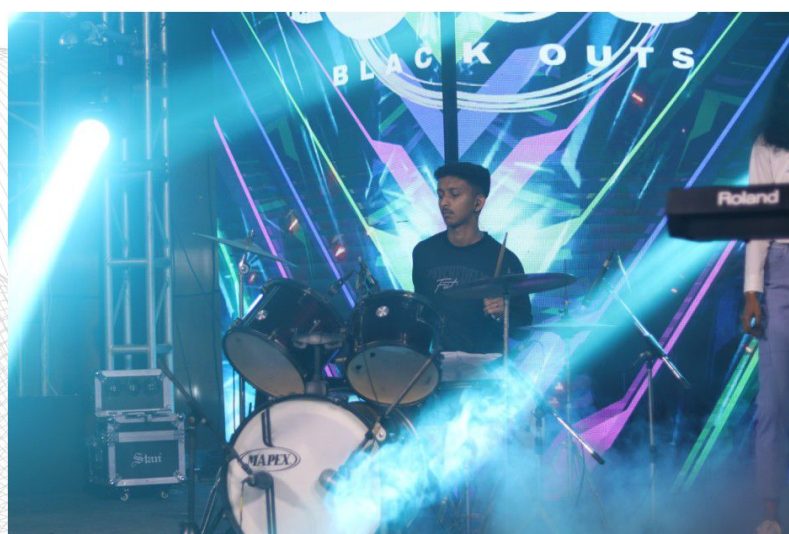
CYNEX

CYNEX IS A PROGRAM NAME OF
AI DAY WHICH IS CELEBRATING
ON 12 MARCH 2025





THANDAVA'24 FRAMES





SPORTS

ACHIEVEMENTS



CHESS TOURNAMENT ACHIEVEMENT

IN THE CHESS TOURNAMENT HELD AT MAR BASELIOS CHRISTIAN COLLEGE, KUTTIKKANAM, AN CSE(AI) FIRST-YEAR STUDENT ALBIN BOSE SECURED THE 2ND PRIZE .



3RD PRIZE | 2ND RUNNER-UP

A PROUD MOMENT FOR MBC AS OUR WOMEN'S KABADDI TEAM SECURED 3RD PLACE IN THE APJKTU ZONAL GAMES ON OCTOBER 14, 2024. SPECIAL MENTION TO ABIAH SHAIJU , ALNA MARY ALEXANDER, LUDIYA BIJU, AND SWETHA CHANDRAN, FIRST-YEAR CSE(AI) STUDENTS, FOR THEIR REMARKABLE PERFORMANCE AND DEDICATION.



3RD PRIZE

OUR TEAM SECURED 3RD PLACE IN THE C-ZONE HANDBALL TOURNAMENT OF APJAKTU! A SPECIAL MENTION TO ELBIN PAPPACHEN, MOHIL C, AND SHAN VARGHESE—SECOND-YEAR CSE(AI) STUDENTS—FOR THEIR REMARKABLE PERFORMANCE AND DEDICATION ON THE COURT.

KTU FIRST SEMESTER EXAMINATION TOPPER'S 2023-2027



SELMA ANNA SAJU



ARSHINA BEEVI



BRITTY S BIJU

KTU SECOND SEMESTER EXAMINATION TOPPER'S 2023-2027



SELMA ANNA SAJU



ADITHYA MADHUPAL



ARSHINA BEEVI

KTU THIRD SEMESTER EXAMINATION TOPPER'S 2023-2027



SELMA ANNA SAJU



ANAMIKA J ANCHERIL



ADITHYA MADHUPAL

CSE(AI) DEPARTMENT



LAB FACILITIES



DEPARTMENT FACULTIES

EDITORIAL TEAM

STAFF EDITOR



PROF. JEENA MARY KURIAN

STUDENT EDITOR



KARTHIK S KURUP S4, AI