

# MAHATMA GANDHI MISSION'S COLLEGE OF ENGINEERING, NANDED



## ABOUT US

Mahatma Gandhi Mission, a public charitable trust that started its journey in a modest way with a rural health care center at Nila and hospital at Nanded; has emerged as a 5000-member family during last 42 years with more than 50 educational institutions, health care centers and social welfare units functioning under her umbrella at 5 cities i.e. Nanded, Aurangabad, Navi Mumbai, Noida and Parbhani.

## ABOUT MGM's COLLEGE OF ENGINEERING, NANDED

MGM's College of Engineering Nanded established in 1984, by the inspiration and under the leadership of our founder chairman Shri Kamalkishor Kadam. Our institute imparts U.G. education in Computer Science Engineering, Electronics & Telecommunication Engineering, Information Technology, Civil Engineering, and Mechanical Engineering & Post Graduation in computer science, Electronics & Telecommunication,



Civil & Mechanical Engineering. MGM has also got research centre for Computer Science Engineering & Mechanical Engineering. Since inception, MGMCEN has made remarkable progress in all walks of socio-academic arena and has established a strong footprint as one of the leading technical institutions in Marathwada region. We are accredited by NBA, graded 'A' by DTE and graded B++ by NAAC. Our institute is affiliated to DBATU, recognized by State Government of Maharashtra and approved by AICTE.

## CHAIRMAN'S MESSAGE



DEAR SIR/MADAM,

IT IS IMMENSE PLEASURE TO WRITE FOR VISIOTECH-2024, A TECHNICAL EVENT ORGANIZED BY THE STUDENTS OF MGM'S COLLEGE OF ENGINEERING, NANDED. THIS HAS BECOME A REGULAR FEATURE OF THIS CAMPUS WITH ENCOURAGING PARTICIPATION OF STUDENTS FROM ALL OTHER ENGINEERING COLLEGE. KNOWLEDGE, APTITUDE AND SKILLS TOGETHER MAKE THE EDUCATION COMPLETE. ALONG WITH REGULAR COURSE, EVENTS LIKE VISIOTECH PROVIDE OPPORTUNITIES TO THE STUDENTS TO ENHANCE THEIR POTENTIAL MAKING THEM AWARE OF THE CURRENT TRENDS IN THEIR CHOSEN FACULTY FOR THEIR ENGINEERING EDUCATION

THROUGH THE VARIOUS COMPETITIONS ORGANIZED, EXPLORING THE CREATIVE TALENTS OF BUDDING ENGINEERS. VISIOTECH PROVIDES A COMMON PLATFORM FOR ALL ENGINEERING STUDENTS, TO COME TOGETHER, SHARE THE IDEAS, ACCEPT THE CHALLENGES AND PROVE THEIR TALENTS, WORKING TOGETHER IN THE BETTERMENT OF TECHNICAL EDUCATION.

ON BEHALF OF MGM FAMILY I AM VERY HAPPY TO EXTEND A WARM WELCOME TO ALL STUDENTS FOR PARTICIPATING IN THIS EVENT, AND GRAB THE AWARDS PROVING YOUR TALENTS.

LOOKING FORWARD FOR YOUR ACTIVE PARTICIPATION

A handwritten signature in blue ink, appearing to read "Kamalkishor Kadam".

Best regards

**Kamalkishor Kadam**  
**Chairman**

## DIRECTOR'S MESSAGE



SINCE 1984 MGM'S COLLEGE OF ENGINEERING IS FUNCTIONING IN THIS REGION MAINTAINING A STEADY PROGRESS. WITH THE UG, PG COURSES IN FIVE FACULTIES OF ENGINEERING, THE RESEARCH CENTERS IN MECHANICAL AND COMPUTER ENGINEERING ALSO MADE THEIR MARK ALONG THE WAY. WE TAKE PRIDE IN OUR PASS OUTS WORKING IN ORGANIZATIONS OF REPUTE ALL OVER THE WORLD. WHILE EDUCATING TODAY'S ENGINEERS ALONG WITH THE KNOWLEDGE OF DIFFERENT SUBJECTS, INCLUDING THE APPROPRIATE SKILL- SETS HAS BECOME ESSENTIAL. TO THINK CREATIVELY, TO WORK ON IDEAS, TO COMMUNICATE WELL,

TO WORK IN A TEAM ARE THE INEVITABLE PARTS OF EDUCATION IF IT IS TO BE THERE FOR 'VALUE ADDITION' IN TRUE SENSE. TO ENHANCE THE CAPABILITIES YOU HAVE TO GO ON CHALLENGING YOURSELF AND THE OPPORTUNITY OF HAVING SUCH A CHALLENGES IS PROVIDED THROUGH THE ACTIVITIES LIKE "VISIOTECH". THIS YEAR IT HAS BEEN PLANNED ON 27TH & 28TH MARCH 2024. THIS YEAR ALONG WITH POPULAR EVENTS LIKE BLIND C, CODE IT, TROUBLESHOOT IT, DOMINATORS LEAGUE IN COMPUTER SCIENCE AND ENGINEERING; BUG MUNCH, QUERY MANIA, WEB MAGIC, PYTHON STRIKER IN INFORMATION TECHNOLOGY; MINUTE TO WIN IT, CIRCUIT DESIGNING, CIRCUIT DEBUGGING, CRYPTIC CROSSWORD PUZZLE IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING; CAD WAR, BRIDGE IT, TRAVERSING, LAB EXPERT IN CIVIL ENGINEERING; CNC PROGRAMMING , DRONE TECHNOLOGY, CAD WAR, ROBOTIC IN MECHANICAL ENGINEERING

SOME INTERDISCIPLINARY EVENTS LIKE PROJECT COMPETITION, CLICK THE BEST, PICASSO, POSTER PRESENTATION, PAPER PRESENTATION HAS BEEN ORGANIZED.

I WELCOME THE STUDENTS WITH CREATIVE TALENTS TO COME FORWARD AND BE A PART OF HUMMING ENTHUSIASM OF MGM STUDENTS IN OUR CAMPUS.

CHALLENGE YOURSELF AND BE THE WINNERS. SHARE THE IDEAS AND LEARN FROM EACH OTHER. COME TOGETHER AND CONTRIBUTE FOR THE DEVELOPMENT OF ENGINEERING EDUCATION.

I LOOK FORWARD TO SEE YOU ALL HERE.



**Dr. Geeta S. Lathkar**  
**Director**

## VICE-PRINCIPAL'S MESSAGE



WE ARE PROUD TO ANNOUNCE INTER INSTITUTIONAL VISIOTECH 2024 TO BE HELD ON 27TH & 28TH MARCH, 2024. THE MAIN AIM OF THIS EVENT IS TO PROMOTE SCIENCE AND TECHNOLOGY AMONG STUDENTS AND INSTILL IN THEM THE SPIRIT OF COMPETITION.

THIS FEST IS A FORUM FOR SIMILAR MINDS TO INTERACT AND SHARE THE DEVELOPMENT IN THE FIELD OF SCIENCE & ENGINEERING. APART FROM THE TECHNICAL EVENTS PAPER PRESENTATION, POSTER PRESENTATION & DRAWING COMPETITION HAS BEEN ORGANIZED.

**Dr. Shirish L. Kotgire**  
**Vice-Principal**

## ABOUT VISIOTECH

TODAY'S VISION TOMORROW'S TECHNOLOGY!! THIS YEAR MGM'S COE IS CELEBRATING ITS 39TH YEAR OF ESTABLISHMENT. WE ARE ORGANIZING A TECHNICAL EVENT- VISIOTECH 2024. THE NAME VISIOTECH WAS COINED AS IT REPRESENTS VISION OF TECHNOCRATS. VISIOTECH WILL BE PACKED WITH MULTIPLE EVENTS TESTING KNOWLEDGE AND CAPABILITIES OF WOULD BE ENGINEERS.

### ADDRESS

MGM'S COLLEGE OF ENGINEERING  
NEAR AIRPORT NANDED-NAGPUR HIGHWAY NANDED. PIN – 431605

### HOW TO REACH

THE COLLEGE IS LOCATED NEAR AIRPORT, OFF NANDED-NAGPUR HIGHWAY, THREE KILOMETERS AWAY FROM THE HEART OF THE CITY.

## **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



**Dr. Mrs. A.M.Rajurkar  
Head of the Department**

**Faculty Coordinator:**  
Mr. Md Ajaz Ahmed

**Student Coordinator:**  
Mr.Angulwar Omkar (7447523950)  
Mr.Vedant Kahalekar (9373641669)

## **COMPUTER SCIENCE & ENGINEERING EVENTS**

### **1. BLIND C:**

PARTICIPANTS ARE EXPECTED TO COMPLETE THE PROGRAMMING TASK IN C LANGUAGE WITHOUT SWITCHING ON THE MONITORS.

### **2. CODEIT**

PARTICIPANTS ARE EXPECTED TO COMPLETE THE GIVEN PROGRAMMING CHALLENGE USING PROGRAMMING LANGUAGE OF THEIR CHOICE.

### **3. TROUBLESHOOT:**

PARTICIPANTS ARE EXPECTED TO DEBUG THE GIVEN PROGRAM BY REMOVING POSSIBLE ERRORS AND EXECUTE THE CODE SUCCESSFULLY.

### **4. DOMINATORS LEAGUE:**

MULTIPLAYER GAMING EVENT  
(BGMI,VALORANT)



## **DEPARTMENT OF MECHANICAL ENGINEERING**



**Dr. M.G. Harkare  
HEAD OF THE DEPARTMENT**

**Faculty Coordinator:**

Dr. R.S. Hingole

**Student Coordinator:**

Mr.Dipak Devanpalle (7499015939)  
Mr.Swarup Jambhlikar (78209 95070)

### **MECHANICAL ENGINEERING EVENTS**

#### **1. CNC PROGRAMMING:**

CNC PROGRAMMING (COMPUTER NUMERICAL CONTROL PROGRAMMING) IS UTILIZED BY MANUFACTURERS AND INDUSTRIAL EXPERTS TO CREATE PROGRAM INSTRUCTIONS FOR COMPUTERS TO CONTROL A MACHINE TOOL. CNC IS HIGHLY INVOLVED IN THE MANUFACTURING PROCESS AND IMPROVES AUTOMATION AS WELL AS FLEXIBILITY.

#### **2. DRONE TECHNOLOGY:**

DRONES ARE A COMBINATION OF HARDWARE AND SOFTWARE COMPONENTS TO ACHIEVE SUCCESSFUL TAKEOFF, FLIGHT AND LANDING. DRONES ARE EQUIPPED WITH ROTORS OR FIXED WINGS, SENSORS, NAVIGATION SYSTEMS AND GYROSCOPES, AND ARE OPERATED BY GROUND CONTROL STATIONS.

#### **3. CAD WAR:**

WORLD OF DESIGNING IS RUNNING MORE THAN THE SPEED OF LIGHT. NOW IT'S TIME TO EXPRESS YOUR IMAGINATION POWER THROUGH CAD. HERE "CAD WAR" IS CHALLENGING YOUR DESIGNING BRILLIANCE.

#### **4. ELECTRIC VEHICLES:**

AN EV INCLUDES BOTH A VEHICLE THAT CAN ONLY BE POWERED BY AN ELECTRIC MOTOR. A VEHICLE CAN BE POWERED BY AN ELECTRIC MOTOR THAT DRAWS ELECTRICITY FROM A BATTERY AND BY AN INTERNAL COMBUSTION ENGINE (PLUG-IN HYBRID ELECTRIC VEHICLE).

#### **5. ROBOTICS:**

ROBOTICS IS A BRANCH OF ENGINEERING THAT INVOLVES THE CONCEPTION, DESIGN, MANUFACTURE AND OPERATION OF ROBOTS. THE OBJECTIVE OF THE ROBOTICS FIELD IS TO CREATE INTELLIGENT MACHINES THAT CAN ASSIST HUMANS IN A VARIETY OF WAYS.



## DEPARTMENT OF INFORMATION TECHNOLOGY



**PROF. S.A.Hashmi**  
**HEAD OF THE DEPARTMENT**

**Faculty Coordinator:**  
Mr.A.B.Waghmare

**Student Coordinator:**  
Ms.Aditi Bandewar (9975392467)  
Mr.Sai Kotgire (8180935457)

## INFORMATION TECHNOLOGY EVENTS

### 1. BUG MUNCH:

THERE ARE SO MANY \*BUGS\* AND I BET IF YOU SQUASH ONE AND HEAR CLOSELY ENOUGH, YOU CAN HEAR THE CRUNCH! EXERCISE YOUR BRAIN CELLS AND GET CRACKING, THERE ARE MORE BUGS THAN YOU CAN HANDLE, AND NOT ENOUGH SO GET SMASHING!

### 2. QUERY MANIA:

IN THIS EVENT DBMS AND RDBMS CONCEPTS WILL BE THE PRIMARY KEY TO ADVANCE THROUGH THE PRELIMS. IN THE FINAL ROUND, TEAMS WILL BE REQUIRED TO QUERY A GIVEN DATABASE.

### 3. WEB MAGIC:

EVENT WHERE ACTUAL CREATIVITY IS REQUIRED TO DESIGN. SHOW US WHAT YOU CAN DO WITH ANYTHING FROM THE BASIC HTML TO THE FASCINATING JAVA SCRIPT. AMAZE US WITH YOUR DESIGN AND BE CROWNED THE VICTOR.

### 4. PYTHON STRIKER:

STRIKE WITH THE IRRESISTIBLE AND AMAZING QUESTION OF PYTHON UNIQUELY WITH YOUR KNOWLEDGE.



## **DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING**



**Dr. K.C. Jondhale**  
**HEAD OF THE DEPARTMENT**

**Faculty Coordinator:**  
Dr.Kude V.P.

**Student Coordinator:**  
Mr.Kaivalya Choudhary (9373061814)  
Ms.Sanskruti More(8237121031)

## **ELECTRONICS AND TELECOMMUNICATION ENGINEERING EVENTS**

### **1. MINUTE TO WIN IT:**

STUDENTS WILL BE GIVEN SOME TECHNICAL TASK. THEY HAVE TO COMPLETE IT WITHIN A MINUTE.

### **2. CIRCUIT DESIGNING:**

YOU WILL BE GIVEN ELECTRONIC COMPONENTS AND CIRCUIT DIAGRAM AND YOU WILL HAVE TO DESIGN THE CIRCUIT IN GIVEN TIME

### **3. CIRCUIT DEBUGGING:**

DO YOU BELIEVE YOU ARE AN EXPERTISE IN DEBUGGING ANY CIRCUIT QUICKLY? JOIN THE EVENT AND SHOW YOUR TALENT IN DEBUGGING.

### **4. CRYPTIC CROSSWORD PUZZLE:**

STUDENTS WILL BE ASKED SOME TECHNICAL QUESTIONS AND THEY WILL HAVE TO ANSWER THEM IN GIVEN TIME



## DEPARTMENT OF CIVIL ENGINEERING



**DR. A.K. Hashmi**  
**HEAD OF THE DEPARTMENT**

**Faculty Coordinator:**

Mr. A.A. Bhore

**Student Coordinators:**

Mr.Tushar Rathod (9577087373)  
Ms.Pranita Garad (9673458192)

## CIVIL ENGINEERING EVENTS

### 1. CAD WAR:

IN THIS EVENT ALL YOU NEED TO DO IS DESIGN OUT THE PROBLEM WITH CORRECT DIMENSIONS. SO, NOT ONLY YOU HAVE TO MAKE YOUR DESIGN PROPER BUT ALSO USE THE DIMENSION WITH PERFECTION IN ORDER TO WIN OVER OTHERS.

### 2. BRIDGE IT:

WANT TO BUILD THE STRUCTURES IN THE WORLD? IMAGINE YOUR STRUCTURE AND BUILT IT WITH YOUR CREATIVE IDEAS AND CONQUER THE TITLE OF BRIDGEIT.

### 3. TRAVERSING:

TRAVERSE SURVEYING IS A POPULAR METHOD OF SURVEYING. IF YOU ARE SKILLED SURVEYOR THEN HERE IS A CHANCE TO SHOW OFF YOUR SKILLS AND DEDICATION TOWARDS YOUR WORK. SO BE THE PART AND GRAB THE TITLE OF SURVEYOR.

### 4. LAB EXPERT:

CONCRETE IS AN IMMINENT PART OF ANY TYPE OF CONSTRUCTION. HERE COMES 'LAB EXPERT', IT IS TEST FOR CEMENT AND AGGREGATE WITH QUIZ ON CONCRETE TECHNOLOGY



## SPECIAL EVENTS

### 1. PROJECT COMPETITION:

BE CREATIVE!! BE INNOVATIVE!! CONVERT YOUR IDEAS INTO ACTIONS; SHOW YOUR INNOVATION TO THE WORLD. YOU CAN PRESENT YOUR SKILLS AND YOU WORK IN FRONT OF EXPERT.

#### STUDENT COORDINATOR:

Mr.krishna Ardhapurkar (9322449552)  
Mr.Mangesh kattulwad (9503579989)

### 2. CLICK THE BEST:

THIS EVENT IS FOR THOSE WHO LIKE SNAPPING PHOTOS ALL THE TIME. SO, GEAR UP WITH YOUR CAMERAS NO MATTER WHICH ONE, A DIGICAM, A MOBILE, ONLY THE MOMENT MATTERS. THIS EVENT IS ALL ABOUT SUCH MOMENTS HAPPENING AROUND THE DAY OF VISIOTECH 2023. EVERYONE IS INVITED TO JOIN AND START CLICKING.

#### STUDENT COORDINATOR:

Mr.Shivam Merewar (7774885865)  
Mr.Sumit Rathod (9322277560)

## SPECIAL PRIZE FOR PROJECT COMPETITION

FIRST PRICE :- 10K

SECOND PRICE :- 5K

## ALL EVENTS PRIZE

FIRST PRICE :- 2100/-

SECOND PRICE :- 1100/-



### **3: PICASSO:**

AIMS TO OFFER A PLATFORM WHERE STUDENTS CAN DEMONSTRATE THEIR DRAWING SKILLS. FOLLOWING ARE THE THEMES FOR THE DRAWINGS.

- ARTIFICIAL INTELLIGENCE
- ENVIRONMENT AND CLIMATE CHANGE
- ARTWORK CREATED USING DIFFERENT SYMBOLS FROM ENGINEERING STUDIES.
- DIGITAL INDIA
- MAKE IN INDIA
- OPEN (ANY THEME OF YOUR CHOICE)

### **STUDENT COORDINATOR:**

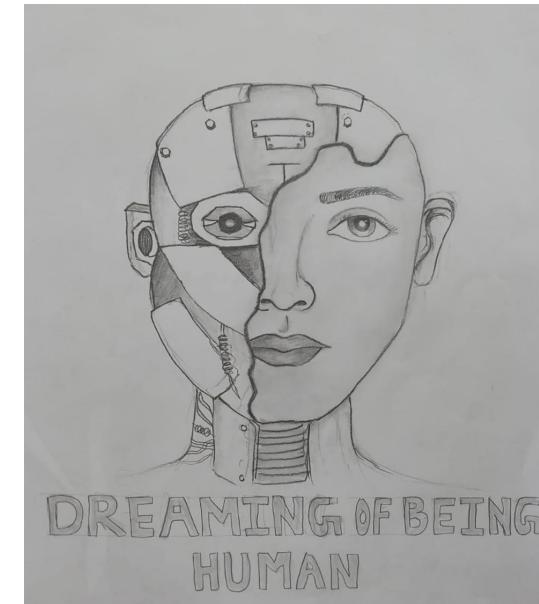
Ms. Shambhavi chandajkar (7058072033)  
Ms. Priya Patil ( 9921998864)

### **4. PAPER PRESENTATION:**

HERE COMES AN OPPORTUNITY TO DISPLAY YOUR TALENT BY PRESENTING A PAPER ON RECENT ADVANCEMENT IN ANY ENGINEERING FIELD.

### **STUDENT COORDINATOR:**

Ms. Sahitya Grunam (7499489168)  
Mr. Vaishnav Sasane (9811297138)



## **5. POSTER PRESENTATION:**

HAVE YOU EVER MADE YOUR THOUGHTS COME INTO EXISTENCE IN FRONT OF YOUR EYES? NOW IT IS YOUR CHANCE TO SHOWCASE YOUR IDEAS THROUGH POSTER PRESENTATION. HERE THE PARTICIPANTS WILL BE ABLE TO BRING THEIR GREAT CREATED POSTERS AND SHOW IT TO COMPUTER INTELLECTUAL WORLD AND TAKE AWAY THE PRIZES. SO COME AND SHOW YOUR SKILLS AND IDEAS. YOUR POSTERS SHOULD BE ON

- IOT/BIG DATA AND HADOOP/GREEN COMPUTING/AI/CYBER SECURITY/MACHINE LEARNING ETC.
- SMART HOMES, INTELLIGENT TRANSPORTATION SYSTEM, ACTIVE CONTROL STRUCTURES ETC.
- CAD/CAM/CAE, AUTOMATION, DESIGN ENGINEERING, ROBOTICS, NANOTECHNOLOGY ETC.
- OPEN (ANY THEME OF YOUR CHOICE)

### **STUDENT COORDINATOR:**

Ms.Vaishnavi Deshmukh (9420541599)

Ms.Sharakshi Kharadkar (7020889448)

### **VISIOTECH STUDENT COORDINATOR**

MR.SHIVLAD RAHUL (7262044688)

### **FAININCIAL HEAD**

MR.DAMKONDWAR SANTOSH (7030247384)



Inaugural Ceremony Of VISIOTECH 2023  
By Dr.M.B.Kokre, Director, S.G.G.S. IE&T and  
Kamalkishor Kadam, Chairman &  
Dr.Geeta S. Lathkar, Director MGM's  
College of Engineering, Nanded

## **VISIOTECH FACULTY COORDINATOR**

**Dr.A.K.Hashmi, Mr.A.A.Bhore, Mr.D.J.Tuptewar**

## **VISIOTECH STUDENT COORDINATOR**

**MR.RAHUL SHIVLAD (7262044688)**

## **FINANCIAL HEAD**

**MR.SANTOSH DAMKONDWAR (7030247384)**

## **SPECIAL EVENT STUDENT COORDINATOR**

### **PROJECT COMPETITION**

Mr.krishna Ardhapurkar (9322449552)  
Mr.Mangesh kattulwad (9503579989)

### **CLICK THE BEST**

Mr.Sumit Rathod (9322277560)  
Mr.Aditya Pawar (7558690589)

### **PICASSO**

Ms.Shambhavi chandajkar (7058072033)  
Ms.Priya Pati ( 9921998864)

### **PAPER PRESENTATION**

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### **POSTER PRESENTATION**

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