# MIET

# Annual Report

# Academic Session: 2023-24

# Mangalmay Institute of Engineering & Technology

**AN INSTITUTION OF MANGALMAY FOUNDATION TRUST**

Campus: 8, Knowledge Park-II, Greater Noida (U.P.)  Ph.: 0120-2328400, 2328401
e-mail: info@mangalmay.org.  Website: www.mietengineering.org

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## Vision and Mission of Institution

### Vision

Mangalmay Institute of Engineering & Technology – Greater Noida, is committed to be the front-runner in the field of Engineering Education and to nurture students to attain the highest degree of professional competence in their respective fields.

### Mission

The mission of the Engineering Programme of the Institute is to nurture students' leadership traits in the field of their domains,

1. To educate students from various dimensions & facete of engineering knowledge to compete with the professional world,
2. To look forward to foreseeing the future needs of the engineering technology and prepare students to take the challenges of respective domains in the most befitting manner.
3. To develop a robust natural knowledge in the field of engineering and technical education.
4. To Create a transformative system capable of accurately predicting market trends by using engineering and technology.

## Vision and Mission of Computer Science and Engineering Programme

### Vision

Department of Computer Science and Engineering aspires to become a center of excellence for quality technical education by keeping pace with new technologies to create competent undergraduate professionals.

### Mission

1. To develop professionals with analytical and technical competency for productive career in industry, academia and as entrepreneurs.
2. To build theoretical and applied skills of faculty and student in computer science and engineering through need based training, research and development on industrially and socially relevant issues.
3. Continuously improve and provide state-of-the-art laboratories to keep up with the new developments in the area of computer science and engineering.
4. Create nurturing environment through competitive events, industry interactions, global collaborations and creating concern for lifelong learning.

Director
Mangalmay Institute of Engineering & Technology
Plot-8 & 9, Knowledge Park-II, Greater Noida-201310 (U.P.)
College Code: 786

# Mangalmay Institute of Engineering & Technology

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## Vision and Mission of Data Science Programme

### Vision

To be a premier Department in the field of Data Science by providing high quality Education, Research, Employability and Ethical Values to enable graduates to be a Data analytic expert, entrepreneurs and expand their capacity to contribute in the field of Data Science.

### Mission

1. To develop industry conducive environment by providing state-of-art infrastructure to compete in data-driven world.
2. To empower students to provide innovative and cognitive solutions with the help of data analytical skill set and new advancements in high performance computing
3. To build data intensive system through socio-economic aspect by promoting cross-disciplinary thinking that expands expertise in cutting edge technologies.
4. To inculcate professional behavior, strong ethical values, innovative research capabilities and leadership abilities.

## Vision and Mission of Artificial Intelligence Programme

### Vision

To achieve excellent quality-education by using the latest tools, nurturing collaborative culture and disseminating customer-oriented innovations to relevant areas of academia and industry to impart creative, learning and research skills to students in the domain of artificial intelligence.

### Mission

1. To develop professionals who are skilled in the area of Artificial Intelligence and Data Science,
2. To impart quality and value based education and contribute towards the innovation of computing, expert system, Data Science to raise satisfaction level of all stakeholders.
3. To guide the students in learning and creative for developing intelligent technology based solutions to societal problems.
4. Create nurturing environment through competitive events, industry interactions, global collaborations and creating concern for lifelong learning.

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1. Number of sanctioned seats: 270

2. Student Enrolment: 249 (Excluding supernumerary)
   Student Enrolment: 267 (Including supernumerary)

3. Number of students admitted from the reserved categories: 01 (Exclude supernumerary)

| Programme | SC | ST | OBC | Gen |
|---|---|---|---|---|
| B.Tech CSE | 0 | 0 | 4 | 161 |
| B.Tech CSE AI | 0 | 0 | 0 | 59 |
| B.Tech CSE DS | 0 | 0 | 1 | 24 |

4. Student – Full time Teacher Ratio

| Total Number of Students | Total Number of Teachers | Students : Faculties Ratio |
|---|---|---|
| 770 | 54 | 14:1 |

5. Full-time teachers against sanctioned posts: 54, Left : 09 during the year,  Joined during the year: 18

| Sr. No. | Name of the Full-time teacher |
|---|---|
| 1 | Dr. PRADEEP KUMAR |
| 2 | Mrs. AKANKSHA KAMBOJ |
| 3 | Ms. ANSHUL |
| 4 | Ms. MONIKA |
| 5 | Ms. PRIYA SINGH |
| 6 | MR. SHUBHAM GOEL |
| 7 | Ms. AMRITA KHATI |
| 8 | Mr. REYAZUDDIN |
| 9 | Ms. LUCKY RAJPOOT |
| 10 | MR. ANUJ KUMAR |
| 11 | MS. JYOTI MAHUR |
| 12 | DR. CHETAN KHEMRAJ LANJEWAR |
| 13 | DR. DHARAM SINGH |
| 14 | MS. RACHNA SHARMA |
| 15 | MS. NISHA PANDEY |
| 16 | DR. PRAGATI SINHA |
| 17 | MR. MANOJ SINGH |

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| | |
|---|---|
| 18 | MS. KM IKRA |
| 19 | MS. GARIMA SINGH |
| 20 | MS. SRINKHALA MADDHESIA |
| 21 | MR. PRABHAT KUMAR |
| 22 | MS. SANCHITA SHAW |
| 23 | MS. LUCKY SHARMA |
| 24 | Mr. AMIT KUMAR MOURYA |
| 25 | Ms. PRERNA MAHAJAN |
| 26 | MS. RADHA |
| 27 | Ms. POOJA SHARMA |
| 28 | Mr. DHANANJAY SINGH |
| 29 | Ms. AMBICA YADAV |
| 30 | Dr. ISHWAR SINGH KHARI |
| 31 | Mr. RAJIV KUMAR MISHRA |
| 32 | Ms. VIDHI BHARDWAJ |
| 33 | Mr. RAVI BHUSHAN |
| 34 | Ms. JYOTI |
| 35 | Mr. AJAY KUMAR |
| 36 | Mr. AJAY NANDAN |
| 37 | DR. YUVRAJ BHATNAGAR |
| 38 | Ms. ALPNA SINGH |
| 39 | Ms. SONAM |
| 40 | Mrs. SHWETA CHAUHAN |
| 41 | MS. RASHMI RICCHARIYA |
| 42 | Dr. GAURAV SINGH |
| 43 | Mr. HIMANSHOO TIWARI |
| 44 | Mr. SARVESH KUMAR MISHRA |
| 45 | Mr. HIMANSHU SHEKHAR |
| 46 | Mrs. KIMMI GUPTA |
| 47 | Ms. MALA YADAV |
| 48 | Ms. MEHA MATHUR |
| 49 | Mrs. MONIKA MANN |
| 50 | Mr. PANKAJ ANAND |
| 51 | Mrs. POONAM SINGH |
| 52 | Mr. PRAFULL GOSWAMI |
| 53 | Mr. DILEEP KUMAR G |
| 54 | Ms. DEEPTI GAUTAM |

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6. Number of full time teachers with NET/SET/SLET/Ph. D.: 9

7. Students Passed

| Number of students appeared in the final year examination | Number of students passed in final year examination |
|---|---|
| 88 | 49 |

8. Add- on certification program

| Name of Add on /Certificate programs offered | Number of students enrolled | Number of Students completed |
|---|---|---|
| Advanced C++ | 79 | 79 |
| Advanced Python | 252 | 252 |
| Applied Cloud Computing for Software Development | 81 | 54 |
| IR4.0 Foundation Course | 72 | 65 |

9. Number of workshops/seminars/conferences/FDP/Industrial Visit (Entrepreneurship, Innovation & Research): 16

| Name of the Workshops/Seminars/Conferences/FDP/Incubation & Industrial Visit |
|---|
| International Conference on Recent Trends in Engineering, Management & Technology (ICRAEMT-2024) |
| International Conference on The Interpretation of Engineering and Management (Exploring The Latest Advancement & Development) - ICTIEM (ETLAD)-2024 |
| National Conference on Advancements in Science, Engineering & Technology |
| Workshop on Robotics for beginners |
| Workshop on Entrepreneurship and Prerequisite Traits |
| Session on Problem Solving and Ideation Workshop |
| Workshop on Prototype/ Process Design and Development |
| World Intellectual Property Day |
| Session/Workshop on Business Model Canvas (BMC) |

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| |
|---|
| A Seminar on "Corruption Mitigation" in "vigilance Awareness week" |
| Seminar on National Education Day |
| Coca-Cola Moon Beverages Limited |
| Appsquadz Software Pvt. Ltd |
| Industrial Visit at Testbook |
| Springboard Training |
| Drone training |

## 10. Number of research papers published : 28

| Title of paper | Name of the author/s |
|---|---|
| A New Frontier In Wearable Technology - THIRD EYE | Dr. Chetan Khemraj Lanjewar |
| Frame Work of Network Security for Energy Internet | Dr. Chetan Khemraj Lanjewar |
| Determining The Positioning Algorithm for Fingerprinting using WLAN | Rashmi Richhariya |
| Analysing Impact of Skilling India Campaign: A Tool for Reshaping India | Ajay Nandan, Dhananjay Singh, Anuj Kumar |
| Future-Proofing Security: The Imperative for Multimodal Biometrics in Next-Generation Systems | Srinkhala Maddhesia, Radha, Rachna Sharma |
| Sifting Through LSB Steganography to Encrypt JEPG, BMP, and GIF Files | Rachna Sharma, Srinkhala Maddhesia, Radha |
| Machine Learning Algorithm Based Image Recognition Technology Application and Analysis | Rachna Sharma, Jyoti Mahur |
| Autonomous Vehicle Technology Driver Drowsiness Detection System using Machine Learning | Radha, Srinkhala Maddhesia, Rachna Sharma |
| A Comparative Study of Supervised learning Algorithms for Heart Disease Prediction | Ms. Meghali Das, |
| Mathematics, the Exact Science | Prabhat Kumar |
| Construction of Binary Code (28,6)≤ 73,256) | Prabhat Kumar |
| Quantum Computing Algorithms: Unleashing the Power of Quantum Computers for Efficent Problem Solving | Dr. Amit Kumar Bhati |
| Cognitive Radio Networks for Spectrum Sharing in Smart Cities | Anuj Kumar, |

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| | |
|---|---|
| | Ajay Nandan, Shubham Goel |
| System Dynamics Based CVD Management Model for major five risk factors. | Dr. Prem Pal Singh Tomar |
| Behavioral Designs of Low Power Telecommunication Switching Utilizing VHDL | Jyoti Mahur |
| ON $\|V,\lambda,\delta\}$ k Summability Factor of Infinite Series | Dr. Pragati Sinha |
| Multiplication Theorems For $G(N, \rho, \alpha)$ Summability | Dr. Pragati Sinha |
| Multimedia Based Chronic Lung Disease Test Management Model | Dr. Prem Pal Singh Tomar, Dr. Amit Bhati, Mrs. Radaha |
| Navigating Cross-Cultural Leadership Challenges: Understanding the Abilene Paradox and Effective Aggrement Management | Dhananjay Singh |
| Motion Direction Identification Using Pyroelectric Infrared Sensors Utilizing Machine Learning | Jyoti Mahur, Rachna Sharma, |
| Mathematical Construction Of Encoding & Decoding The Codes | Prabhat Kumar, Dr. Pradeep Kumar, & Dr. Ishwar Singh |
| Parameters of Alkali Atoms Using Differential Cross Sections | Dr. Pradeep Kumar, Dr. Ishwar Singh, Dr. Prem Pal Singh Tomar, Mr. Prabhat Kumar |
| Benzimidazole of Green Synthesis and Summarize of Bulk Drug | Dr. Ishwar Singh, Dr. Pradeep Kumar, Mr. Prabhat Kumar, Mr. Shubham Goel |
| A Note On $G(N, \epsilon, \alpha)$ C1 Summability Of Derived Series of Fourier Series | Dr. Pragati Sinha |
| Research Skill & Entrepreneur | Dr. Pragati Sinha |
| Note on ( N, Pn^alpha , beta, del)k Summability factors | Dr. Pragati Sinha |
| About Summability, Its Importance, history and Application in the Fields of Applied Sciences | Dr. Pragati Sinha |
| The Interplay Between Statistics and Data Science | Dr. Pragati Sinha |

Amit

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**11. Number of books and chapters in edited volumes/books published and papers published:**
   **35**

| books and chapters in edited volumes/books published and papers published | Name of the Author/s |
|---|---|
| **Title of the Chapter** | |
| Current Trends On Artificial Intelligence & its Application. | Jyoti Mahur |
| A Literature Survey of Cost Minimizing Transportation Problem (CMTP) Mo | Ajay Nandan |
| Digital Marketing and its Role in Economic Growth | Amit Kumar Mourya, Dhananjay Singh |
| A Comparative Study of Sorting Algorithms Shell, Tree, Counting, Bucket and Radix Sorting | Ayushi Gupta, |
| Super imaging in Medical field Using Machine Learning Approach | Km Ikra |
| Scalability Solutions for Blockchain Networks | Radha, Srinkhala maddhesia, Rachna Sharma |
| A study of Newton - like Picard-Mann method with Dynamics and applications. | Manoj K. Singh |
| electronically Tunable Second-Order Biquad filter Using two Transconductance Amplifiers(CFTAS) | Anuj Kumar, Dr. Dharam Singh, Shubham Goel |
| Combining Finger print (minutiae-Based Matching)with Face Recognition (CNN) for Enhanced Biometric Authentication | Srinkhala Maddhesia, Radha, Rachna Sharma |
| Fake News Detection Using machine Learning | Km Ikra |
| Enhancing Security and Privacy on the Internet of Things (IOT) | Rachna Sharma, Radha, Srinkhala Maddhesia |
| Signficanificance of internet of Things in machine Learning and Deep Learning | Km Ikra |
| Construction of Binary Code (32,4≤ 87,378) | Prabhat Kumar |
| Employee Retention in IT Industry Infrastructure | Geeta Sharma |
| Cyber Sezurity:Current Advancements, Challenges or Threat Devence and Future Action | Rashmi Richhariya |
| Management Model of Chronic Lung Disease Tests | Dr. prem pal Singh Tomar, Dr. Amit Kumar Bhati, Mrs Radha |
| IOT-Enabled Drone Technology in Agriculture for Remote Monitoring and Controlling Farming | Monika Mann |

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| Title | Authors |
|---|---|
| Power System Load Compensation by DSTATCOM using HCCT Technique based PI-Controller | Shubham Goel |
| Third Eye a New revolution | Dr. Chetan Khemraj Lanjewar |
| An Empirical Study of Indian Consumers' Preferences and Buying Behaviour of E-Vehicles & Pragmatic Shift in the perception of New Generation | Sukriti Tiwari, Sarvesh Mishra |
| FutureEngineers Intellectual Preparedness - Grasp the Professional Curriculum's Disciplines while Learning Online | Rachna Sharma Joyti Mahur |
| Navigating Cross - Cultural Leadership Challenges: Understanding the Abilene Paradox and Effective Agreement Management | Meha Mathur, Himanshu Sekhar |
| The Menace of Online Trolling: A Threat - Society, its Ramification & Remedies | Dhananjay Singh, |
| Raman, IR and UV Spectral Studies of 4-chloro-3-Nitro Phenol and 2-Chloro-4-Nitro Phenol | Dr. Pradeep Kumar Dr. Ishwar Singh, Prabhat Kumar, |
| Power Quality Issues in Single Phasegrid Connected PV Systems | Dr. Chetan Khemraj Lanjewar |
| Why Industry Aspire for OEMs Market Over Other Potential Markets | Vaishali Nehra, Gaurav Singh |
| Cannibalization Impact: An Empirical Analysis of its Influence on Product Performance and Profit Maximization Strategies | Vikash Wanker, Ambica Yadav |
| Big Data Analysis using Machine Learning | Prerna Mangal |
| Ai-Based Digital Electric Vehicle | Amit Kumar Maurya, Sarvesh Mishra, Vidhi Bhardwaj |
| AI-based Electric Vehicle Charger | Dhananjay Singh, Kapil Kumar, Anand Prakash |
| Indroduction of an Industry 5.0 | Ishwar Singh, Reyazuddin, Ajay Kumar |
| Digital electric and Hybrid Vehicles | Pradeep Kumar, Prashant Kumar, Vaishali Nehra |
| Application of Chemical Engineering | Poonam Singh, Meha Mathur, Gaurav Singh |
| Virtual Reality Technology | Pankaj Anand, Sonam |
| Mobile Learning Technology | Chetan Khemraj, Priya Singh, Sneh kumari |

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## 12. Extension and outreach programs conducted: 20

| Name of the activity | Organizing unit/ agency/ collaborating agency | Name of the scheme |
|---|---|---|
| Blood donation camp | Student Welfare Committee | Health and Hygiene |
| Govt of India Campaign: Meri mati Mera Desh | Cultural club | Social Sensitivity and Student Awareness |
| National Cancer Awareness Day Program | Fitness Club | Health and Hygiene |
| Session on World Aids Day | Fitness Club | Health and Hygiene |
| One Day Sanitary Napkins Distribution | Women Cell | Health and Hygiene |
| Awareness Program on Sexual Harassment of Women at Workplace | Women Cell | Gender Sensitization |
| Bharatiya Bhasha Pariwar- Mile Sur Mera Tumhara | EBSB Club | Social Sensitivity and Student Awareness |
| Session on World Heart Day | Wellness Club | Health and Hygiene |
| Anti- Tobacco Day | Wellness Club | Health and Hygiene |
| Nukkad Natak On Beti Bachao Beti Padhao | Women Cell | Gender Sensitization |
| Blanket Distribution Program Collaboration with UNIQUE FOUNDATION | Outreach Club | Social Sensitivity and Student Awareness |
| Innovation & Entrepreneurship Outreach Prog in School/Community | IIC Club | Social Sensitivity and Student Awareness |
| National Voters Day | Student Welfare Committee | Social Sensitivity and Student Awareness |
| Nukkad Natak On Nasha Mukt Bharat Abhiyan | Student Welfare Committee | Health and Hygiene |
| Road Safety Week | Student Welfare Committee | Social Sensitivity and Student Awareness |
| World Tuberculosis (TB) Day | Student Welfare Committee | Health and Hygiene |
| Vigilance Awareness Week | ECO Club | Social Sensitivity and Student Awareness |
| Swachhta Pakhwada | ECO Club | Environment Sensitization |
| Tree Plantation Drive | ECO Club | Environment Sensitization |
| Session on Save Girl Child | Women Cell | Gender Sensitization |

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## 13. MoUs, collaborations / linkages (2023-24): 06

| Name of the MoU / Collaboration / linkage | Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, |
|---|---|
| Linkage | Coca-Cola Moon Beverages Limited |
| Linkage | Appsquadz Software Pvt. Ltd |
| MoU | TESTBOOK EDU SOLUTIONS PVT LTD |
| MoU | INFOSYS Limited |
| MoU | StarX91 |
| MoU | Edunet Foundation (Tech Saksham) |

14. Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs) & Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

| Year | Budget allocated for infrastructure augmentation | Expenditure for infrastructure augmentation | Total expenditure excluding Salary | Expenditure on maintenance of academic facilities (excluding salary for human resources) | Expenditure on maintenance of physical facilities (excluding salary for human resources) |
|---|---|---|---|---|---|
| 2023-24 | 70 | 69.47175 | 397.90417 | 106.23061 | 141.36258 |

15. Scholarships and Freeships

Details

| Name of the scheme | Number of students benefited | Amount (in INR) |
|---|---|---|
| Ashriwad Scholarship Scheme | 179 | 4247000 |
| Scholarship & Fee Reimbursement, UP | 83 | 4674431.2 |

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## 16. Capacity building and skills enhancement initiatives

| Soft skills |
|---|
| Session on E - Mail and Telephone Etiquette. |
| Session on Personality Development and Grooming |
| **Life skills** |
| International Yoga Day |
| No Smoking Day |
| World Asthma Day |
| Blood Donation Day |
| Anti-Tobacco Day |
| World Tuberculosis (TB) Day |
| World Heart Day |
| National Cancer Awareness Day |
| Swachhta Pakhwara |
| **ICT & Communication Skill** |
| Awareness Program on Digital Payment |
| Benefits of ICT in Teching Learning Process |
| Benefits of ICT in E-Social Life |

**17. Students Placed:** 37 out of 88 students during Academic Session 2023-24.

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## 18. Students Placed in following Companies:-

- ANR Software, ankura@anrsoftware.com
- Qspider, tithi.sarkar@qspiders.in
- Effectual Services Pvt. Ltd., abhishek.vashistha@effectualservices.in
- Kimax, ankit@kimaxcontrols.com
- InternsElite, somya@internselite.in
- Chegg India, campusconnect@chegg.com
- Effectual Services Pvt. Ltd., abhishek.vashistha@effectualservices.in
- Eduwonders Global, gauravsinghsinghal@upsidon.com
- Thoughtsol Infotech, sugandha.bisht@thoughtsol.in
- Q1 Technologies, jaswant.singh@q1tech.com
- Edunet Foundation, info@edunetfoundation.org
- Instant System Inc, divya.mishra@instantsys.com
- Ananta Business Services, abs16914@gmail.com
- Pike India, vishalg@pikeindia.com
- Cloud Analogy, palak.gupta@cloudanalogy.com
- PP International School, info@ppischool.in
- Saral ERP, sales@saralerpsolutions.com
- Certbar Security Pvt. Ltd. , inquiry@certbar.com

## 19. Sports and cultural programs organized: 08

- Fresher Party: Sur- A Musical Saga
- Sports Day "Lets Everybody Play"
- Diwali Celebration
- Fit India Sports Week
- Lohri Celebration
- Republic Day
- Basant Panchami
- Phoolon ki Holi Celebration

Amir

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## 20. Celebrations of national and international commemorative days, events and festivals

| Sr. No. | Name of commemorative days, events and festivals |
|---------|---------------------------------------------------|
| 1 | Anti-Ragging Day |
| 2 | Independence Day (Meri Maati Mera Desh) |
| 3 | Swachhta Pakhwada Diwas |
| 4 | Engineer's Day |
| 5 | International Peace Day |
| 6 | World Heart Day report |
| 7 | Fresher Party |
| 8 | World Food Day |
| 9 | Ek Bharat Shreshth Bharat Day |
| 10 | National Unity Day |
| 11 | Vigilance Day |
| 12 | National Cancer Awareness Day |
| 13 | Diwali Celebration |
| 14 | National Entrepreneurship Day |
| 15 | National Education Day |
| 16 | World Science Day |
| 17 | Janjatiya Gaurav Diwas |
| 18 | National Integration Day |
| 19 | Constitution Day |
| 20 | World Aids Day |
| 21 | National Pollution Control Day |
| 22 | World Computer Literacy Day |
| 23 | Armed Forces Flag Day |
| 24 | National Energy Conservation Day |
| 25 | National Mathematics Day |
| 26 | Road Safety Week |
| 27 | Youth Day |
| 28 | Lohri Celebration |
| 29 | National Startup Day |
| 30 | National Voter's Day |
| 31 | Republic Day Celebration |

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| 32 | Martyrs Day (Saheed Diwas) |
|----|---------------------------|
| 33 | Vasant Panchami |
| 34 | Andhra Pradesh Foundation Day |
| 35 | National Science Day |
| 36 | No Smoking Day |
| 37 | Tuberculosis (TB) Day |
| 38 | World Water Day |
| 39 | Phoolon ki Holi Celebration |
| 40 | Cyber Jagrookta Diwas |
| 41 | World Asthma Day |
| 42 | Blood Donation Day |
| 43 | "Rabindranath Tagore Jayanti" |
| 44 | National Technology Day |
| 45 | ARMED FORCES DAY |
| 46 | National Anti-Terrorism Day |
| 47 | Anti-Tabaco Day |
| 48 | World Environment Day |
| 49 | World Against Child Labor Day |
| 50 | International YOGA Day |

21. Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year.

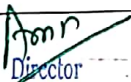| Name of the award/ medal | Team / Individual | University/State/National/ International | Sports/ Cultural | Name of the student |
|--------------------------|-------------------|------------------------------------------|------------------|---------------------|
| Gold Medal (Javelin Throw) | Individual | Dr. Abdul Kalam Technical Inter University Sports Fest, 2023-24 (Zonal Level) | Sports | Ms. Sanya |

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Mangalmay Institute of Engineering & Technology

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e-mail: info@mangalmay.org.                Website: www.mietengineering.org

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22. Teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year 2023-24. (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

| Name of teacher | Name of the professional body for which membership fee is provided |
|---|---|
| MR. AJAY NANDAN | The Indian Science Congress Association |
| MR. PRABHAT KUMAR | The Indian Science Congress Association |

| Name of teacher who attended | Title of the program |
|---|---|
| MS. SHWETA CHAUHAN | FDP on Outcome based Education Learning and Assesment under NEP 2020 |
| DR. RIDHIMA | FDP on Outcome based Education Learning and Assesment under NEP 2020 |
| MR. DHANANJAY SINGH | FDP on Exploring Data Science Foundations To Avance Analytics |
| Himanshoo Tiwari | FDP on Mathematics in Engineering and Science Important and Applications . |
| Mr. Prabhat Kumar | FDP on E - Data Analysis with SPSS and AMOS |
| Ms. Radha | FDP on Research Methodology : Art of Writing Research Paper |
| Ms. Radha | FDP on Unfolding secrets of Data through Data Science |
| Mr. Prabhat Kumar | FDP on Introduction to traditional Knowledge Intellectuall Property & People's Rights |
| Dr. Amit Kumar Bhati | FDP on Introduction to traditional Knowledge Intellectuall Property & People's Rights |
| Ms. Jyoti Mahur | FDP on Introduction to traditional Knowledge Intellectuall Property & People's Rights |
| Mr. Himanshoo Tiwari | National Conference on Graph Theory and Additive Combinatorics 2024, by IIT Allahabad |
| Mr. Himanshoo Tiwari | International Conference on Recent Advances in Mathematics and Data Science |
| Mr. Himanshoo Tiwari | FDP on Challenges and Opportunities in National Education Policy for viksit Bharat |

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| Ms. Nisha Pandey | Introduction to Programming in C, NPTEL/ SWAYAM |
| Mr. Himanshoo Tiwari | Basic Calculus - 1, NPTEL/ SWAYAM |
| Ms. Rashmi Richharya | Data Analytics with Python, NPTEL/ SWAYAM |

## 23. Library

(i)    **Library Foot Fall Summery**

| Members | Year | Per day | Weekly | Monthly | Yearly |
|---|---|---|---|---|---|
| Students + Faculty + E Resources | 2023-24 | 108 | 540 | 2376 | 21384 |

(ii)    1003 books and 23 Journals were procured in the session 2023-24. In library, per day usage was 108 and per week usage was 540 in 2023-24. However, Rs. 414346/- were paid towards subscription of journals and Books. The house showed its satisfaction.

## 24. Awards/Recognitions

- **Got 2.0 Stars** rating in Institute Innovation Council (IIC) during the IIC calendar year 2022-23.

25. No cases of Sexual Harassment, Ragging and Grievances have been reported to Internal Complaint Committee, Anti Ragging Committee and Grievance Redressal Committee

## 26. Significant contributions made by IQAC during the current year

- Institute got Accredited with Grade "B++" by NAAC
- Enriching the curriculum with add on certification courses.
- Sensitizing the students towards socially conscientious attitude
- Holistic development of students through Extracurricular Activities such as Cultural & Sports Events
- Organizing National Seminar, FDP & Professional Development Programs

Amir
Director
Mangalmay Institute of Engineering & Technology
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## 27. Quality assurance initiatives of the institution include:

i.    Regular meeting of Internal Quality Assurance Cell (IQAC)

ii.   Feedback collected, analyzed and used for improvements

iii.  International Conference on Recent Trends in Engineering & Technology

iv.   "International Conference on Recent Trends in Engineering & Technology"

v.    "International Conference on The Interpretation of Engineering and Management (Exploring The Latest Advancement & Development) - ICTIEM (ETLAD)-2024"

vi.   "National Conference on Advancements in Science, Engineering & Technology"

vii.  Workshop on Robotics for beginners

viii. Workshop on Entrepreneurship and Prerequisite Traits

ix.   Session on Problem Solving and Ideation Workshop

x.    Workshop on Prototype/ Process Design and Development

xi.   World Intellectual Property Day: Workshop on intellectual property rights (IPRs) and IP management for Startup

xii.  Participation in **NIRF**

xiii. ISO Certification

   a) ISO 50001:2018

   b) ISO 14001:2015

   c) ISO 9001:2015

xiv.  **Collaborative quality initiatives with other institution(s):**

   a) Atal Incubation Centre – BIMTECH

   • Field Visit to pre-incubation unit-BIMTECH ATAL Incubation"

   b) Testbook Edu Solutions Pvt Ltd:

   • Industrial Visit At Testbook

   c) Infosys Limited:

   • Springboard Training

   d) Starx91 :

   • Drone Training

   e) C# Corner:

   • Add-On Certifications

   f) Edunet Foundation (Tech Saksham):

   • Add-On Certification

xv.   Session on Revised NAAC accreditation Procedure

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