



# MUFFAKHAM JAH

## COLLEGE OF ENGINEERING & TECHNOLOGY

( THE SULTAN UL ULOOM EDUCATION SOCIETY )  
Affiliated to Osmania University & Recognised by AICTE  
Banjara Hills, Hyderabad 500 034

# CIVIL ENGINEERING DEPARTMENT NEWS LETTER 2023-2024

### Mission

To attain excellence in imparting technical education from the undergraduate to through doctoral levels by adopting coherent and judiciously coordinated curricular and co-curricular programs

### Vision

To be a part of the universal human quest for development and progress by contributing high calibre, ethical and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature

The Programme Education Objectives of Civil Engineering programmes are as follows:

- PEO 1 Graduates will demonstrate technical competence and leadership by analyzing, designing and executing Civil Engineering Structures using current techniques and tools.
- PEO 2 Graduates will communicate effectively as individual or team members and be successful Civil Engineers in the local and global environment.
- PEO 3 Graduates will demonstrate lifelong learning through continuing education and professional development.
- PEO 4 Graduates will be successful in providing viable and sustainable solutions within societal, professional, environmental and ethical context.



# FROM THE HEAD'S DESK



**Dr. Mohammed Hamraj**  
**professor & Head**  
**Department of civil engineering**

**I**t gives immense pleasure to lead the department of civil engineering.. Our college is one of the leading institution unique like a prism reflecting the manifold shades of learning and Co curricular activities.. The department is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence..

The career opportunities available to civil engineering graduates are indeed broad and diverse. The many specialities within the field allow for careers construction, transportation, environmental assesment and pollution control, hydrology, structural engineering and geotechnical engineering. Construction industry is currently growing with latest technologies and now there is a huge demand for civil engineers for satisfying the demand of infrastructural development.

Civil engineers will always be needed to maintain and repair existing facilities and structures and to consturct new ones. The service of civil engineers is invitable in all the government department in the modern race. Not only in government department but also in private and public sector industries, research and educational institution etc. This college provides excellent quality education and working condition. The department aims to mould the students into excellent engineering professionals by exposing them to different aspect of engineering. Practical training and survey camp are given to the students to improve air practical skills. The department has well equipped laboratories to perform experiments and endeavor to provide better technical facilities in days to come. Our focus in on excellence teaching and training the students with emphasis to well equipped laboratories, teaching faculty of the best kind ensures quality education and bright future of students.

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# STUDENTS ACHIEVEMENTS

## sports achievements



### Mr. Mohammed Abdul Hakeem

Abdul Hakeem, a third-year engineering student, Won Gold and Silver at the 11th AITWPF National Championship 2024.

Hyderabad, Telangana – Mohammed Abdul Hakeem, a 3rd-year Civil Engineering student, made his mark at the 11th AITWPF National Championship, held from February 1st to 4th, 2024, in Hyderabad. Competing in the Senior Men's -80 kg category, Hakeem showcased exceptional strength and skill, securing the gold medal in Mass Wrestling and the silver medal in Qazakh Kureshi, a traditional Kazakh martial art.

In a remarkable performance, Hakeem's contributions helped Telangana secure an overall 3rd place in the team championship standings. His achievements reflect dedication, perseverance, and excellence in sportsmanship.

**Congratulations to Abdul Hakeem and the Telangana team for making the state proud!**





## Mr. Mohammed Abdul hakeem

Mohammed Abdul Hakeem Excels as Athlete and Coach at 11th AITWPF National Championship.

Mohammed Abdul Hakeem, a third-year Civil Engineering student, took on dual roles at the 11th AITWPF National Traditional Wrestling & Pankration Championship, held from February 1 to 4, 2024, in Hyderabad, Telangana. In addition to his responsibilities as a competitor, Hakeem also served as a coach, guiding fellow athletes during the prestigious event.

Despite his coaching duties, Hakeem's performance on the mat remained stellar. Competing in the traditional mass wrestling category at LB Stadium, Hyderabad, he clinched the gold medal in Qazaq Kureshi, a traditional form of wrestling originating from Central Asia.

His dual contribution as both a coach and an athlete showcases his leadership skills, dedication, and commitment to the sport. Hakeem's success not only reflects his personal prowess but also highlights his ability to inspire and mentor other athletes, furthering the tradition of excellence in wrestling in Telangana.

His achievement, along with his contributions as a coach, is a testament to his versatility, determination, and passion for the sport, marking him as a rising star both on and off the wrestling mat.

# COLLEGE TOURNAMENTS



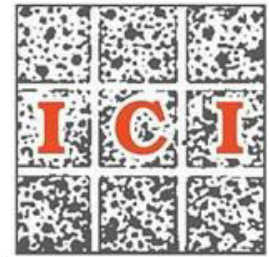
Civil Engineering Department Makes History with Unprecedented Victory in Sports Championship.

The Department of Civil Engineering has etched its name in history by delivering a stellar performance across various sports, marking a golden legacy in the university's sporting annals. In a remarkable display of skill, teamwork, and determination, Civil Engineering students swept the championship, winning an impressive collection of gold and silver cups in multiple sports events.

Leading the charge, the department secured gold cups in basketball, football, and cricket, showcasing their dominance in team sports. Their success extended to individual events as well, with gold medals claimed in javelin, shot put, and discus. Further demonstrating their all-around excellence, they also won the gold cup in table tennis and finished with a silver cup in volleyball and tug of war.

This extraordinary achievement represents the first-ever clean sweep by any department, cementing the Civil Engineering Department's place in university history. The success of the department in this year's championship exemplifies the spirit of dedication and sportsmanship that thrives within its student community.

With their outstanding performance, the Civil Engineering Department has set a new standard, inspiring future generations to aim high and continue this legacy of excellence.



Indian Concrete Institute

The Civil Engineering Department has emerged victorious, winning the gold cup in cricket after an intense competition with teams from other departments. Demonstrating outstanding teamwork and strategic play, every member of the Civil Engineering cricket team played a crucial role in this remarkable achievement.

The team's success was built on unity, discipline, and consistent performances from both the batting and bowling sides, leading to their well-deserved victory. Each player contributed effectively, showcasing their skills and determination, making the win a true team effort.

This cricket championship adds yet another accolade to the Civil Engineering Department's growing legacy of excellence in sports.



# Sports Achievements



## Mohammed Abdullah

Mohammed Abdullah, a first year civil engineering student, has made a remarkable achievement by winning gold medal in boxing at the prestigious Osmania university inter college tournament. The event was held at Nizam College, where Abdullah showcased exceptional skill and determination to the top spot, his outstanding performance has also earned him a spot in the upcoming all India inter university boxing championship, which will take place at Chandigarh University, Punjab, from December 22, 2023 to January 02, 2024. Abdullah's success has brought great pride to his college, and he is expected to excel on the national stage as well.



## Mohammed Abdullah

Mohammed Abdullah, has also won the gold medal in wushu at the Osmania University inter college tournament. The competition was held at LB stadium Hyderabad, where Abdullah displayed outstanding technique and perseverance, securing the top position in the event. His victory has made the college proud and his dedication towards sports is exceptional.



Muffakham Jah College of Engineering recently experienced a proud moment as their Civil Engineering Department students triumphed in an exciting cricket tournament. The competition took place between the students of Muffakham Jah College and Islamia Engineering College, with the civil engineering teams from both institutions giving their best on the field.

After a series of thrilling matches, the team from Muffakham Jah emerged victorious in the final game, showcasing excellent teamwork, skill, and sportsmanship. This remarkable achievement earned them the championship title and the winner's cup, bringing immense pride and honor to the college.

The victory not only highlights the students' talent in sports but also reflects their dedication and spirit of excellence, making Muffakham Jah College proud to nurture such outstanding individuals within its institution.





# DEPARTMENT ACTIVITIES

## FROM CLASS ROOM TO CEO INSPIRING JOURNEYS OF BUSINESS LEADERS.

### EXECUTIVE SUMMARY

The “ From classroom to CEO” event, organized by the ICI team at MJ college on February 7, showcased the inspiring journeys of two successful business leaders, Mohammad Mutee and Mr. Azher Mohiuddin. Mutee , the CEO of Asli Talbina , shared his story of overcoming obstacles and building a health focused company, while Mohiuddin, CEO of bio reform company, detailed journey of innovation in creating eco-friendly products.



### MOHAMMAD MUTEE'S JOURNEY :

Mohammad Mutee, the CEO of Asli Talbina, shared his remarkable journey of resilience and determination. Despite facing numerous challenges, including financial setbacks and skepticism from others, Mutee persevered, driven by his passion for improving health. His company, Asli Talbina , focuses on promoting natural health products, exemplifying his commitment to holistic wellness. Mutee's personal struggles resonated with students, inspiring them to overcome obstacles and pursue their goals with unwavering determination.





## Mr. AZHER MOHIUDDIN'S ENTREPRENEURIAL ENDEAVOR:

Mr. Azher Mohiuddin, the CEO of Bio Reform Company, captivated the audience with his entrepreneurial journey. He recounted how his innovative idea of plastic-free bags stemmed from a desire to address environmental concerns. Despite facing initial skepticism and logistical challenges, Mohiuddin remained steadfast in his vision. Through perseverance and innovative thinking, he successfully launched his eco-friendly products, contributing to sustainability efforts. His story served as a testament to the power of innovation and the importance of addressing pressing environmental issues.



## IMPACT ON STUDENTS

The "from classroom to CEO" event left a lasting impression on MJ college students, providing them with valuable insights and motivation. Mutee and Mohiuddin's stories of resilience, creativity, and success resonated with aspiring entrepreneurs, instilling in them a sense of purpose and determination. The event served as a platform for empowerment and enlightenment, igniting the entrepreneurial spirit within students and encouraging them to pursue their dreams fearlessly.





## **ICI TEAM'S CONTRIBUTION:**

The success of the event can be attributed to the meticulous planning and dedication of the ICI team. Their efforts in organizing a seamless and impactful event created a conducive environment for learning and inspiration. By bringing together students and accomplished business leaders, the ICI team facilitated meaningful connections and sparked conversations that will undoubtedly shape the future endeavors of attendees.

## **CONCLUSION:**

The “From classroom to CEO” event at MJ college showcased the transformative power of perseverance, innovation, and determination. Through the inspiring stories of mohammad Mutee and Mr. Azher Mohiuddin, students gained valuable insights into the entrepreneurial journey and the importance of pursuing one’s passion. The event served as a catalyst for personal and professional growth, leaving a profound impact on all who attended as students embark on their own entrepreneurial ventures, they carry with them the lesson learned and the inspiration gleaned from this memorable event.



# DEPARTMENT ACTIVITIES

## On Campus recruitment program (Batch 2024)

### Company details

Peketi Ventures Private Limited  
Gypsum Plastering Company

An ISO certified and IGBC Accredited with experience of having executed 4 crore sft of internal walls Plastering with Gypsum Plasters in last 5 years. Professionally managed Mineral Gypsum

Plaster Consultants, Suppliers and Turnkey Works Company based in Hyderabad. Give builders, architects to opt for Mineral Gypsum Plastering instead of sand-cement plasters.

Date of campus recruitment; 7th Feb 2024

Venue : Smart class room ( adjacent Computer lab) CED, MJCET

Time : 10.00 a.m

The interviews taken place in Smart room .

- 1.Group Discussions.
- 2.Students shortlisted
- 3.One to One Interviews conducted



# DEPARTMENT ACTIVITIES

## TRIP TO INDIAN GREEN BUILDING COUNCIL(IGBC)



The Indian Green Building Council (IGBC) was formed by the Confederation of Indian Industry (CII) in 2001. The council is based out of the CII - Sohrabji Green Business Centre, Hyderabad which is India's 1st Platinum rated green building and a Net Zero Energy Building. The vision of the council is to enable a 'Sustainable built environment for all. IGBC certifies the green projects which are conceptualized, designed, constructed and operated as per IGBC Ratings .

The team IGBC in collaboration with team ICI and team IEI facilitated a visit to the IGBC. A bus was arranged for the site visit by the logistics branch of the team. A total of 36 members from the team along with one faculty member Mr. Barkat Ali Khan were present for the site visit which was on the 6th of February, 2024. During the site visit to the Green Building Association, with 36 members, We observed sustainable practices, innovative technologies, and collaborative efforts to promote ecofriendly construction.





The association emphasizes on energy efficiency, renewable resources, and environmental conscious design, showcasing a commitment to creating a more sustainable built environment. The entire Establishment was powered by solar panels and could run completely off grid. The tour guide at IGBC even mentioned that if excess power was generated, they could sell the power to the State grid. The entire establishment was built only on 20 percent of the total land. The remaining 80 percent of the land was an undisturbed forest. the double panel glass used for natural lighting would keep the interior cool.

saw wastewater generated from the facility was treated and filtered by the use of plants. Honeycomb shaped plastic mats were placed in the soil. These were used to collect the topsoil which is a crucial layer of soil from the water runoff during rainfalls so that the soil remains fertile. They had also a column like

structure which collected the air from the top and cooled the air inside the chamber using water sprinklers. This air was then directed towards the compressors of the air conditioning units to minimize the power drawn.

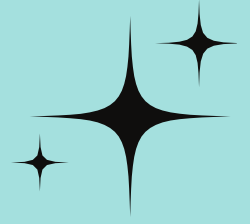
Overall the site visit was a success for the team. A big thanks to the GBs of the team for facilitating such an insightful sight visit to the IGBC.



# DEPARTMENT ACTIVITIES

## TRIP TO SRI SAILAM DAM

### BATCH(2024)



"The batch of 2024, accompanied by esteemed faculty members, Prof. Mrs Qamar Sultana, Prof. Mrs Asma Sultana, and Prof. Mr Barkat Ali khan, embarked on an enlightening industrial tour to the majestic Srisailam Dam in Andhra Pradesh on 26/06/2024. As they explored the mighty dam, spanning over 512 meters, the students gained valuable insights into hydroelectric power generation and water management.

The breathtaking views of the surrounding Nallamala Hills and the serene Krishna River left everyone in awe. Through interactive sessions with experts and hands-on activities, the students deepened their understanding of engineering and environmental concepts. This educational excursion aimed to bridge theoretical knowledge with practical application, fostering a deeper understanding of hydroelectric power generation and water management.

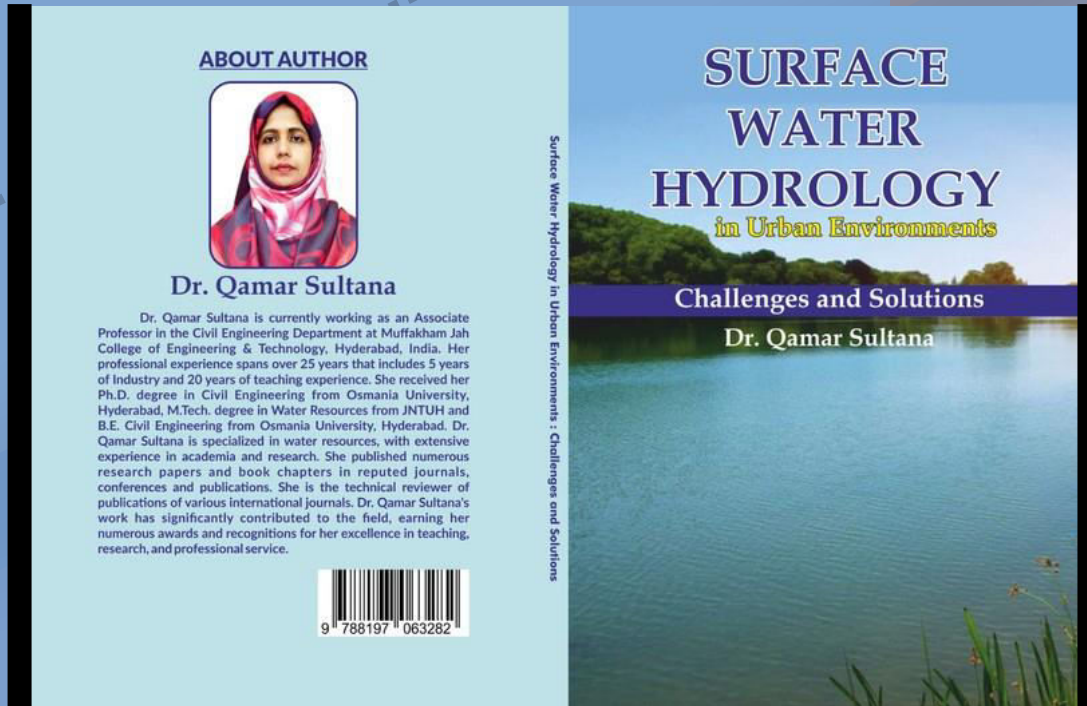
Under the guidance of their faculty mentors, students engaged in interactive sessions with experts, explored the dam's operations, and participated in hands-on activities.



# FACULTY ACHIEVEMENTS

## 2023-2024

### AWARDS & RECOGNITIONS



#### Dr. Qamar Sultana

Dr. Qamar sultana's book, surface water hydrology in urban environments; Challenges and solutions, was released at a significant event called the Grandest Book Launch Extravaganza on 15th June 2024. She was honoured with the "Pen of Authors" and was granted the royalty rights of the book, marking her contribution to the book. This book is an important resource for the students, researchers and practitioners dealing with water management in urban environments.

With a focus on tackling the challenges posed by urbanization and water management, Dr. Sultana's work offers practical solutions, bridging the gap between theory and practice in hydrology. This publication is expected to make a lasting impact on the study and management of surface water in urban environments, addressing the pressing issues of sustainability and resource allocation.



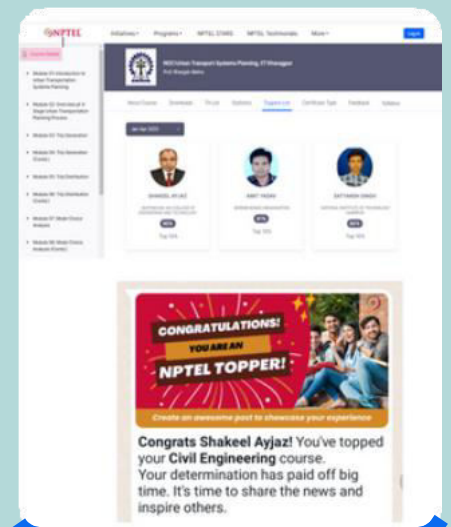


# FACULTY ACHIEVEMENTS



## Mr. Shakeel ayjaz

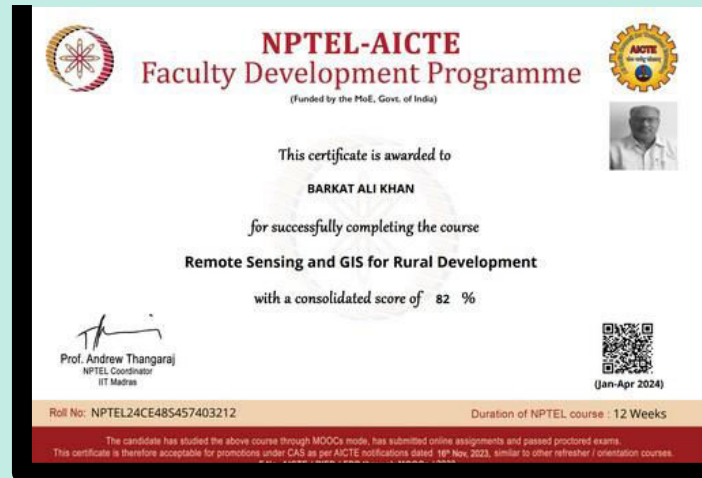
**Mr. Shakeel Aijaz has successfully completed the “urban transportation Systems” course with a consolidated score of 90%. He was a topper of the course among 63 participants. The course was conducted by IIT Kharagpur from jan-april 2023.**



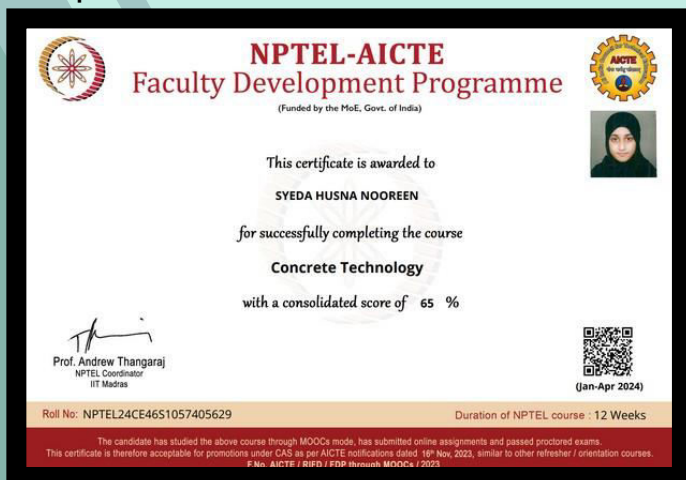
# FACULTY ACHIEVEMENTS



Mr. Shakeel Ayjaz has successfully completed the "Urban Transportation Systems Planning" course with a consolidated score of 90%. He was the topper of the course among 63 participants. He scored full marks in Online Assignments (25/25) and 65/75 in the Proctored Exam. The course was conducted by IIT Kharagpur from January to April 2023.



Mr. Barkat Ali Khan has successfully completed the Faculty development programme in "Remote sensing and GIS for rural development" with securing consolidated score of 82% in the course. The course was held from January to April 2024 and was coordinated by Prof. Andrew Thangaraj from IIT Madras. The certificate is issued under the AICTE's Faculty Development Program.



Ms. Syeda Husna Nooreen has successfully completed the faculty development programme in "Concrete technology" with securing consolidated score of 65% in the course. The course was held from January to April 2024 and was coordinated by Prof. Andrew Thangaraj from IIT Madras. The certificate is issued under the AICTE's Faculty Development Program.

# EDITORIAL BOARD

## FACULTY MEMBERS



**Dr. Mohammed Hamraj**  
Head of the department



**Dr. Qamar Sultana**  
Associate professor



**Mrs. Asma Sultana**  
Assistant Professor

## STUDENTS MEMBERS



**Iqbal Ahmed Khan**  
3rd year



**Mohd Mahmood**  
3rd year