



MAHATMA GANDHI

INSTITUTE OF TECHNOLOGY (Autonomous)

(Gokulapally Village), Gandipet, Hyderabad, Telangana – 500075. www.mgit.ac.in

DECEMBER, 2024



MOTIVATE
INNOVATE
EMPOWER

27

YEARS

IT CHRONICLE



DEPARTMENT OF IT

B.Tech Information Technology (IT) discipline was initiated with an intake of 40 in 1997 and the Department at present has an intake of 60 annually. The state of art facilities and well qualified faculty are taking care of all round development of the students and make them industry as well as job ready. In addition to quality teaching, students are exposed to certification courses and workshops along with personality development programs. The gradual increase in the number of participants and competitors for various programs and the growing number of placements reflects the impact of these programs. The department is strengthened with a total of 14 faculties out of which 3 holds a Doctorate and 7 are pursuing Ph.D's and 4 are holding M.Tech degree



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IT CHRONICLE

Editorial Committee of Information Technology



Dr. D. Vijaya Lakshmi
Professor & Head of IT Department



Mr B Lokesh
Assistant Professor



Mr K Harinath
Assistant Professor



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HOD MESSAGE OF INFORMATION TECHNOLOGY



Dr. D. Vijaya Lakshmi
Professor & Head of IT Department

Information Technology is also called Innovation Technology or Invention Technology. The scope of Information Technology is flourishing with no ends. The Department of Information Technology was started in MGIT in the year 1997 with an annual intake of 60 students. The Department has well qualified faculty members and experienced non teaching staff. Most of the faculty members pursuing their Ph.D with reputed Institutions.

The Department has well established independent laboratories with well equipped systems. The Laboratories have all required facilities to make students learn the new Emerging Technologies like Data Analytics, Data Mining, IoT, AI, Machine Learning, and Open Source Technologies.

The faculties of Department are working on sanctioned research projects by AICTE. The students work with various clubs/ professional chapters like ASME, ISTE, IEEE and Innovation Club. They showcase their potential knowledge in the form of development of product and organize various workshops /seminars/conferences.

Our students are favorites of industry because of the consistent hands-on approach of our curriculum, our excellent laboratories, the long-time connections between Department and the Industry. Whether you are a student, parent, prospective faculty member or a curious member of the public, I invite you to read our web pages and find a way to become part of the MGIT Family. We hope you will also have the opportunity to visit us in our state-of-the-art facilities.



VISION

To keep abreast of the latest developments with an aim to nurture and to equip students with tools and applications, to develop socially useful technologies and to transform students into future global technocrats.

MISSION

- ♦ To transform the department progressively into a Centre of Excellence.
- ♦ Familiarize all the stake holders with cutting edge technologies necessary for nation- building.
- ♦ Maintain global standards in education, training and services through quality environment and technical know-how.

PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

- I. To provide students with a sound foundation in the fields of English, Mathematics, Science and Technology so as to work productively as IT Professionals, in leadership roles.
- II. To train students in order to develop the ability to design, construct, install and optimize the use of electronic devices, informatics, automation tools and Communication Skills to use in a variety of applications.
- III. To equip students to recognize and understand the social, cultural, Ethical, global and environmental responsibilities of the professional engineer, and the need for sustainable development.
- IV. To provide opportunities for students to engage them in continuous academic lifelong learning and to update them in their profession to groom them as leaders the in technological world.



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Program Specific Outcomes (PSOs)

- ♦ Foundation of Computer System: Ability to understand the principles and working of computer systems. Students can assess the hardware and software aspects of computer systems.
- ♦ Foundations of Software development: Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open-source platforms.
- ♦ Foundation of mathematical concepts: Ability to apply mathematical methodologies to solve computation task, model real world problem using appropriate data structure and suitable algorithm.
- ♦ Applications of Computing and Research Ability: Ability to use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations.

Program Outcomes (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

IT CHRONICLE

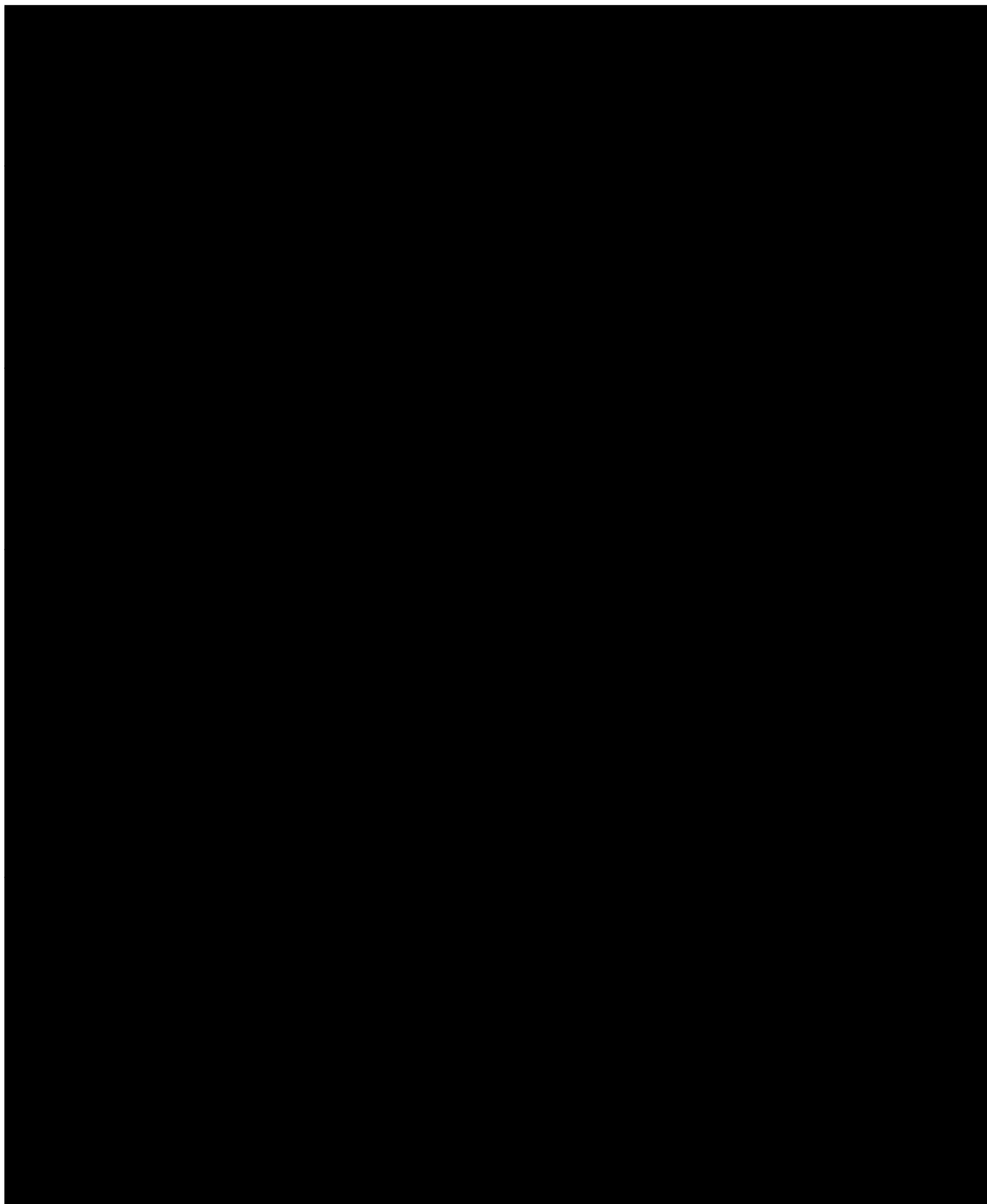


The Department Salient Features:

- MoUs with Industry
- Training and Certification Programs
- TASK (Telangana Academy for Skill & Knowledge), Cisco certification, Oracle Java Certification, SSSIT (core java), Amazon etc
- Student Professional Bodies
- IEEE, IETE, CSI, ISTE Student Chapters, Glug Club
- Free Software Foundation (FSF) have been intensely involved in Co-curricular activities giving full benefit and encouragement to the students-SWECHA
- International, National Workshops/Webinars
Public Profile
- Our Faculty holding the Awards for Mentoring the NPTEL MOOCS courses.
- Many of the students and faculties have achieved Elite and Gold Certification for MOOCS courses under NPTEL.



Departmental Activities



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and IT

students

Departmental Activities

Public Profile

Faculty Participation in National/International Conference

Public Profile

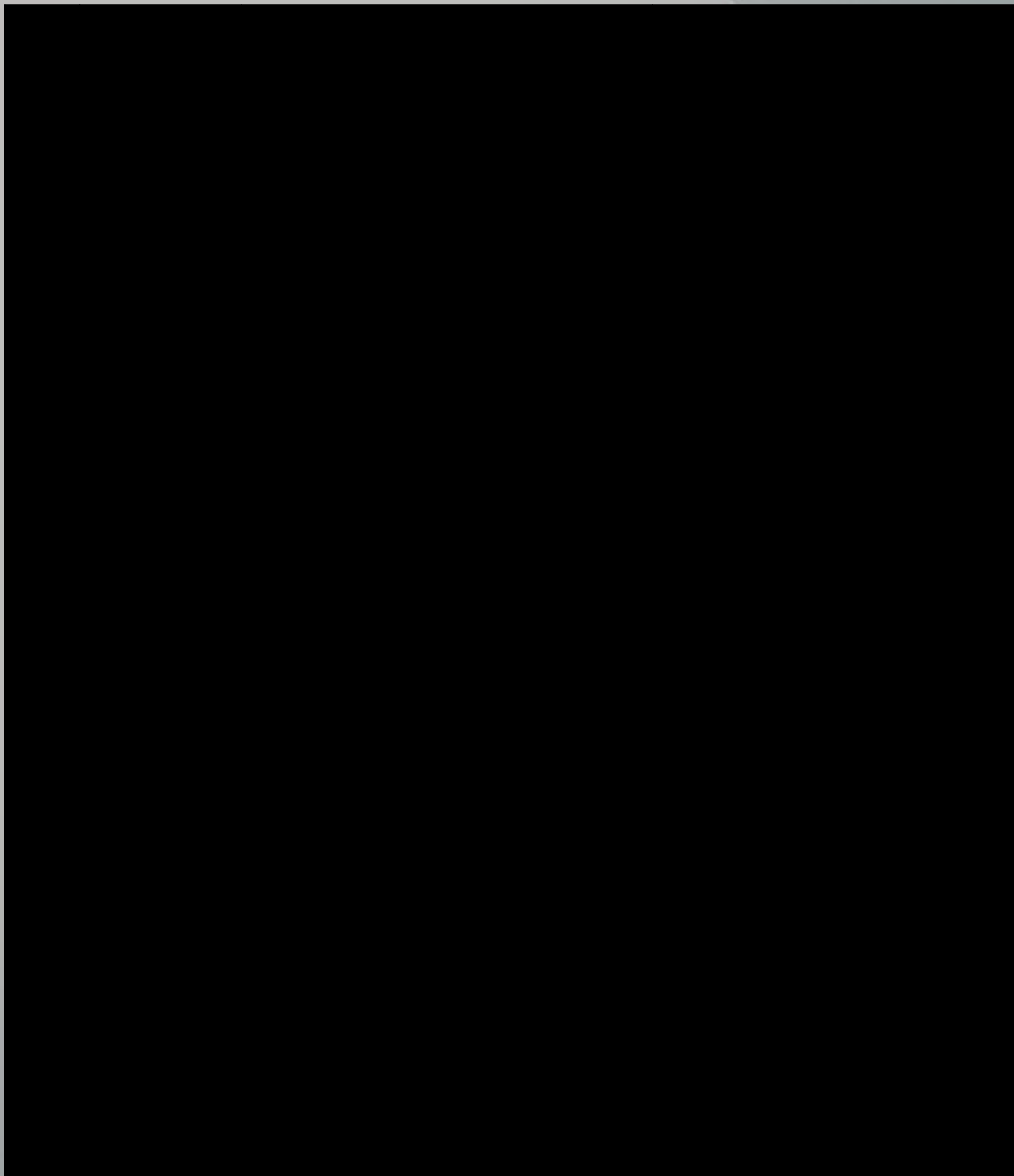
Details of Faculty Publication

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S. No.	Name of the Faculty Member	Title of the Paper / Book Published/Patent	Name of the Journal / Conference /Publisher, Date of Issue, Volume, Page Nos.
9	J. Hima Bindu	Image Segmentation and Classification for 3D MRI Images Using ConvLSTM to Detect Brain Tumor	Science, Technology and Development, Volume XII, Issue VI, June 2023, Pg. No. : 36 – 44, ISSN: 0950 – 0707
10		Depression Detection Using Machine Learning	International Journal for Research in Applied Science & Engineering Technology, Volume 11 Issue VI June 2023, Pg. No. : 3495 – 3500 ISSN: 2321 – 9653, DoI: https://doi.org/10.22214/ijraset.2023.54326
12	B. Meenakshi	COPD Patients' Readmission Using Machine Learning	International Journal for Research in Applied Science & Engineering Technology, Vol 11 Issue VI June 2023, Pg. No. : 778 – 781 ISSN: 2321 – 9653, DoI: https://doi.org/10.22214/ijraset.2023.54326
13	Ch. Lakshmi Kumari	Knee Osteoarthritis Severity Detection Using CNN 15Algorithm	International Journal of Research Publication and Reviews, Vol 4, No 6, June 2023 pp 3708-3710, ISSN: 2582-7421
14		Bitcoin Price Prediction Using LSTM	International Journal for Research in Applied Science & Engineering Technology, Volume 11, Issue VI, June 2023, Pg. No. : 2339 - 2342 ISSN: 2321-9653 DoI: https://doi.org/10.22214/ijraset.2023.54326

Details of Faculty Publication



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Student Internships



Placements Details

Public Profile

YUKTI2K23 A National Level Technical Symposium



The banner for YUKTI2K23 features the Mahatma Gandhi Institute of Technology (MGIT) logo on the left, which includes the text 'MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)' and 'Kokapet(Village), Gandipet, Hyderabad, Telangana - 500075. www.mgit.ac.in'. To the right of the logo is the slogan 'MOTIVATE INNOVATE EMPOWER' followed by a large '26 YEARS' graphic. The central part of the banner has a blue background with a globe and the text 'YUKTI 2K23'. Below this, there are two boxes: 'Technical Events' listing 'Paper Presentation', 'Poster presentation', 'Code dig', and 'Quiz'; and 'Non technical events' listing 'E-Sports', 'Roadies', 'Ma-Ma meme contest', 'Treasure hunt', and '1 minute games'. At the bottom, there are sections for 'Convenors' (Dr. D. VIJAYA LAKSHMI and B. LAXMI VIKAS), 'FACULTY COORDINATORS' (Mr. B. LOKESH and Mrs. A. AMULYA), 'Sponsors' (mg3, MEGA KITCHEN, VETEACH), and 'Treasurers' (T. ARUN KUMAR and M. SRIVYOTHI). The location 'D-BLOCK, MGIT' and date '27th APRIL' are also mentioned.

Technical Events :

- Paper Presentation
- Poster presentation
- Code dig
- Quiz

Non technical events:

- E-Sports
- Roadies
- Ma-Ma meme contest
- Treasure hunt
- 1 minute games

Convenors :
Dr. D. VIJAYA LAKSHMI

Convenors :
B. LAXMI VIKAS
K. V. SRI HARIKA

Co-Convenors :
KAIRA ABHIRAM
P. BHUVANA

Treasurers :
T. ARUN KUMAR
M. SRIVYOTHI

FACULTY COORDINATORS :
Mr. B. LOKESH
Mrs. A. AMULYA

Sponsors : mg3, MEGA KITCHEN, VETEACH

Location : D-BLOCK, MGIT
Date : 27th APRIL

“YUKTI2K23” A NATIONAL LEVEL TECHNICAL SYMPOSIUM organized by Department of Information Technology, Mahatma Gandhi Institute of Technology is aimed to highlighting the technical knowledge & skills of the engineering aspirants by providing them with an enlightening platform. “YUKTI2K23 is a National Level Technical fest held on 27th April 2023. The fest was held in the sprawling Campus of our college. As a part of it technical events such as Paper presentation, Poster presentation, Code Dig, Technical Quiz and non-technical events such as E-Sports, Roadies, Ma-Ma Meme Contest , 1 minute games were organized .Students from various colleges in and around the city participated in various technical and non-technical events, win exciting prizes and exchanged their ideas. 105 students participated in this year.

Student skill presentations on YUKTI-23



Prize and momento Distribution

YUKTI 2023

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (AMG)
MOTIVATE INNOVATE 26 EMPOWER YEARS

DEPARTMENT OF IT PRESENTS

YUKTI 2023
presents
PAPER PRESENTATION

Date: 27 April, 2023 | Venue: D-block 311 (M.Tech Lab)

Scan me To register

Registration Fee: 100/- per head
Team size: 1 or 2

TOPIC: ANY TECHNICAL TOPIC

Mail us abstract: yukti23it@gmail.com

EXCITING CASH PRIZES & PARTICIPATION CERTIFICATES & MUCH MORE

CONTACT US
Afsheen-9618216460
Sujitha-8688525102
Hruthika-9246595588

Convenor: Dr. D.VISAYALAKSHMI

Faculty Coordinators: Mr. B.LOKESH-8019923406

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (AMG)
MOTIVATE INNOVATE 26 EMPOWER YEARS

DEPARTMENT OF IT PRESENTS

YUKTI 2023

QUIZ

DATE: 27 APRIL, 2023
VENUE: D-BLOCK 302 (MWD LAB)

ENTRY FEE: 50/- PER HEAD

WIN EXCITING PRIZES & PARTICIPATION CERTIFICATES & MUCH MORE

CONTACT US:
LOHITA-9100849596
SINDHU-6301281961

AKANKSHA-6309599971
ROHAN-7893445198

Department of IT

YUKTI 2023

POSTER PRESENTATION

27-04-2023 | D-block 306

Registration fee: 200/- per team
Maximum 3 per team

TOPIC: ANY TECHNICAL TOPIC

EXCITING PRIZES & PARTICIPATION CERTIFICATES

IT CHRONICLE



The poster is for the 'YUKTI 2023 CODE DIG' event. At the top left is the Mahatma Gandhi Institute of Technology logo. The header text reads 'MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)' and 'MOTIVATE INNOVATE EMPOWER YEARS 26'. Below this, it says 'DEPARTMENT OF IT presents:'. The event title 'YUKTI 2023' is in large white letters, with 'CODE DIG' in large red letters below it. Registration fees are listed: 'REGISTRATION FEE: INDIVIDUAL - 40/- TEAM - 90/- TEAM SIZE: 2-3'. Contact information for SIREESHA, PRASANNA, SRIHITHA, and BHARGHAV is provided. A QR code is labeled 'SCAN TO REGISTER'. The date is 'April 27, 2023' and the venue is 'D-block 302 (MWD LAB)'. The bottom line says 'WIN EXCITING PRIZES & PARTICIPATION CERTIFICATES & MUCH MORE'.

MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (Autonomous)

MOTIVATE INNOVATE EMPOWER YEARS **26**

DEPARTMENT OF IT
presents:

YUKTI 2023

CODE DIG

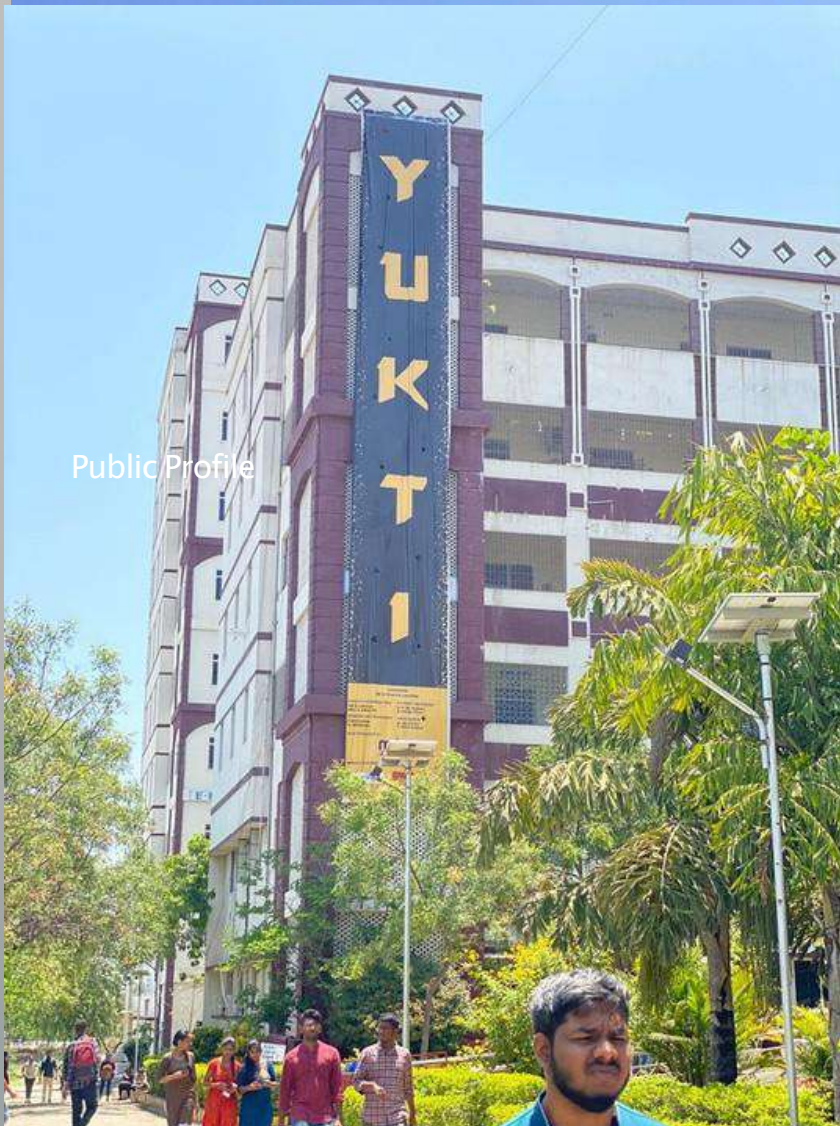
REGISTRATION FEE:
INDIVIDUAL - 40/-
TEAM - 90/-
TEAM SIZE: 2-3

CONTACT US:
SIREESHA-6302851911
PRASANNA -7569688162
SRIHITHA-9014705772
BHARGHAV-8247479951

SCAN TO REGISTER

Date: April 27, 2023
Venue: D-block 302 (MWD LAB)

WIN EXCITING PRIZES & PARTICIPATION
CERTIFICATES & MUCH MORE



CULTURE AND Education HAVE NO BOUNDS OR Limits; NOW man is in a phase in which he must decide for himself how far he CAN PROCEED IN THE CULTURE THAT BELONGS TO THE whole of humanity.



MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (Autonomous)
Engineering | Management | Information Technology | Health Sciences
www.mgi.ac.in

MOTIVATE 26
INNOVATE
EMPOWER YEARS

Department of Information Technology

YUKTI 2023

PRESENTS

ROADIES

Round 1
COLOR SEPERATION


Round 2
GUESS THE SONG


Round 3
FLIP THE BOTTLE


DATE:
APRIL 27, 2023

VENUE:
D-BLOCK 304

Entry Fee :
SOLO: 50/-
TEAM: 70/-

WIN EXCITING CASH PRIZES

TO REGISTER SCAN ME



CONTACT US:
SANDHYA-9908420502 SHALIKA-9676923620
SNEHA SREE-8328611863 HARIKA-9182448061



MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (Autonomous)
Engineering | Management | Information Technology | Health Sciences
www.mgi.ac.in

MOTIVATE 26
INNOVATE
EMPOWER YEARS

DEPARTMENT OF IT PRESENTS

YUKTI 2023



Bro there is a meme contest on 27th

lets register bro where is the link



Public Profile



its down right here
Be on time

DONT MISS OUT THE FUN



SRIJAN-8247402669
KISHORE-9110579931



IT CHRONICLE

EVENTS

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
MOTIVATE 26 INNOVATE EMPOWER YEARS

DEPARTMENT OF INFORMATION TECHNOLOGY
YUKTI 2023
PRESENTS
1 MINUTE GAMES
DATE: APRIL 27, 2023
VENUE: D-BLOCK 307

Scan QR Code to Register

WIN EXCITING CASH PRIZES

CARD BUILDING
ENTRY FEE: 30/-

EATING CHALLENGE
ENTRY FEE: 30/-

BLINDFOLDED ART
ENTRY FEE: 30/-

PICTIONARY
ENTRY FEE: 30/-

COMMUNICATION
ENTRY FEE: 30/-

CONTACT US:
PRANAVAN-937452481
SHAMISTA-9328358250
AKASH-9650059837



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
MOTIVATE 26 INNOVATE EMPOWER YEARS

DEPARTMENT OF IT
YUKTI 2023
TREASURE HUNT

Hunting on: April 27, 2023

REGISTRATION FEE: 100/-

Scan QR Code to Register

PIRATES:
Manish - 9063059504
Abhiram - 9959012507
Satwik - 9989232003
Arshith - 9133826282



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
MOTIVATE 26 INNOVATE EMPOWER YEARS

DEPARTMENT OF IT PRESENTS
YUKTI 2023

VALORANT

On 27 of April

Registration Fee: 500/- (PER TEAM)
Prize pool: 8,000/-

CONTACT US:
Rakesh-7780797286
Sumanth-9391809060
Hemanth-7288925155
Harsith-9398466323



IT CHRONICLE



Culture and Education have no bounds or limits; now man is in a phase in which he must Decide for himself how far he can proceed in the culture that belongs to the whole of humanity.

IT CHRONICLE



IT CHRONICLE



IT CHRONICLE



REMINISCENCE-2023: MGIT Alumni Reunion

The Alumni Reunion Meet, "REMINISCENCE" is regarded to be the most ideal occasion for alumni to meet old friends, forge new connections, and relive the magic of their time spent at the institute. The event aims at celebrating the achievements of alumni, while fostering a strong sense of community and mutual support. The Alumni Reunion Meet provides an invaluable opportunity for former students to network, exchange ideas, and explore potential collaborations. It is a platform where alumni can showcase their achievements, discuss career paths, and offer guidance to aspiring students who are on the cusp of embarking on their professional journeys.

During this momentous occasion, attendees will have the opportunity to reconnect with former classmates and Professors. MGIT Alumni Association envisages a huge turn up of the Alumni of the Institute on this occasion.



December 22, 2023, from 3 PM onwards
MGIT Campus, Hyderabad

Highlights:

- Networking Opportunities with Fellow Alumni
- Inspirational Talks from Distinguished Alumni
- Guided Campus Tours
- Gala Dinner and Cultural Program

REMINISCENCE-2023: MGIT Alumni Reunion



Culture and Education have no bounds or limits; now man is in a phase in which he must decide for himself how far he can proceed in the culture that belongs to the whole of humanity.

REMINISCENCE-2023: MGIT Alumni Reunion

