

MGIT'S QUARTERLY

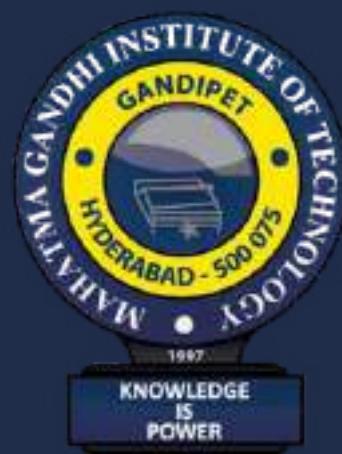
# NEWS LETTER

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY



## ABOUT US

MGIT envisions, inspires and motivates its students to imbibe knowledge with which they can excel and serve the nation with great elan. To nurture students into disciplined young citizens of irreproachable character, coupled with hands – on training and to make them readily employable by fostering social, cultural and environmental consciousness.



# TRAINING & PLACEMENTS

## I.PLACEMENTS AND TRAINING ACTIVITIES

### (I) DETAILS OF PLACEMENTS:

Details of B.Tech. Placements								
S.No	CSE	ECE	EEE	IT	MECH	MCT	CIVIL	MME
1	126	50	5	12	4	6	1	1

Details of M.Tech. Placements							
S.No	CINS	SE	DECE	PEED	MCT	CASE	
-	-	-	-	-	-	-	-

### DETAILS OF COMPANY VISITED:

S.No	Name of the Company visited	No of Students Recruited by the company	Details of package offered
1	Arth Design Build	1	2.80
2	TCS (Digital)	27	7.02
3	TCS(Prime)	1	9.00
4	TCS (Ninja)	25	3.50
5	Castlight India (intern)	1	27000PM
6	Modak Analytics	4	6
7	Corizo	8	6.5
8	Inspira Enterprise(Intern)	1	-
9	Elemina Solutions (Intern)	1	-
10	DataBeat	9	5
11	Sigma Advanced Systems	2	6
12	Kanerika Solutions	2	6.05
13	Intrainz Innovation	18	6
14	Intense Technologies(Intern)	1	-
15	Bluesapphire Cyber Systems	1	5
16	DeltaX	0	9
17	PalTech	4	6
18	LTI Mindtree (2024 YoP)	39	4.05
19	Mthree	2	8
20	Schneider Electric	1	5.5
21	LTI Mindtree	40	4.05
21	OSI Digital (Intern)	1	-
22	Ascendion India	6	5
23	Renault Nissan Technology	2	4.25
24	Cognida.ai	0	7
25	eInfochips	5	5
26	Crowe	3	7
27	Reliance GET	0	7.2

**M/s. ZeroCodeHR Drive**



**M/s. eInfochips-An Arrow Company Drive**



(iii) Details of Training activities given to the students to support the placements.

S.No	Details of the Training Activity/Workshop	Details of Training organization	Duration of Training
1	CRT Program (Campus Recruitment Training)	M/s. Triumphant Training Solutions, Hyderabad	29.07.2024 to 10.08.2024
2	Are you Job/Entrepreneurship Ready (Knowledge Sharing Session)	Sri. Vatturi Srinivas (Founder, Vector2Success)	20.08.2024 (10:30 AM to 12:30 PM) 2 hours
3	Insights and experience on emerging technologies and acclimating to corporate markets & Hiring patterns (Knowledge Sharing Session)	Triveni B (Associate Principal, LTIMindtree)	20.09.2024 (11:00 AM to 12:30 PM) 1.5 hour

Ms. B. Triveni, Director, LTIMindtree shared her insights and expertise on Emerging Technologies for the Final Year Students



# NSS ACTIVITIES

S. No	Date	Name Of the Event/Program	Program Details	No. of Participants	Page Numbers
1	10-08-2024	Swachadanam-Pachadanam	Organized <i>Swachadanam-Pachadanam</i> . Students actively participated in cleanliness and plantation drives, promoting hygiene, environmental sustainability, and a greener future through dedicated efforts and community engagement.	19	75-78
2	10-08-2024	Vana Mahotsavam	Organized <i>Vana Mahotsavam</i> . Students actively participated in tree plantation drives, spreading awareness about afforestation and environmental conservation, fostering a greener and more sustainable future for the community.	42	70-74
3	14-08-2024	Drug Abuse & Anti Ragging	Organized a <i>Drug Abuse &amp; Anti-Ragging</i> campaign. Students participated in awareness sessions, promoting a drug-free lifestyle and a safe, respectful campus environment through discussions and pledge-taking.	250	59-69
4	15-08-2024	Har Ghar Tiranga Campaign	Activities conducted: Flag Hoisting by the Departments, Selfies with National Flag. Competitions in Cultural and Literary activities, Games & Sports, Closing Ceremony with prize distribution and cultural programs	45	57-58
5	23-08-2024	National space day	Organized the <i>National Space Day</i> campaign, where students participated in the activities like celebrating space exploration, enhancing their knowledge of astronomy, and fostering curiosity about scientific advancements and the universe.	19	53-56

6	25-08-2024	Hydra Support Walk	actively participated to raise awareness about water conservation and sustainability, promoting responsible water usage for a better and eco-friendly future.	60	51-52
7	23-09-2024	Dental Camp	Organized Dental Camp in collaboration with Digital Dental Hospital.	94	45-50
8	24-09-2024	Campus Cleaning	Organized Clean & Green awareness program in connection with Plant4Mother including a plantation program.	35	40-44
9	28-09-2024	Swachhta Hi Sewa Campaign	Organized the <i>Swachhta Hi Sewa</i> campaign. Students actively participated in cleaning public spaces, spreading awareness on hygiene, and promoting a cleaner, healthier environment through	21	34-39

## SWACHCHADANAM-PACHCHADANAM



10th August 2024,  
No. of students participated:250

# VANA MAHOTSAVAM



10th August 2024

No. of students participated:250

# **DRUG ABUSE & ANTI RAGGING**



14th August 2024,  
No. of students  
participated:250

# NATIONAL SPACE DAY



23th August 2024,  
No. of students participated: 250

## HYDRA SUPPORT WALK



25th August 2024 No. of students participated: 250



## DENTAL CAMP



**ABN**  
ఆంధ్రప్రదేశ్

దంత సమయాల్లో అవగాహన కార్యక్రమంలో ప్రాధీకార్క వంప్రమాణవరట్టి, మిశ్యార్డులు, మాక్సిప్సు

## దంతాలపై అవగాహన సద్గులు

నార్సింగ్, సిప్పిపాల్ 23 (అంధ్రప్రదేశ్): యంతెలో కొంతాలో దియల్వరీ దెంటలో అస్క్రి వారిదే దంత వెంటందిత సమస్యల్లో అవగాహన కార్యక్రమం సేమావారం ఎన్నివెన్నవీ అప్పర్స్ట్రింగ్లో అరిగింది. ఈ కార్యక్రమంలో మాట్లాడ అప్పింగ్ కొ కాం ప్రైవేట్ కెరంప్రమాణవరట్టి పార్లా స్టూడీ ఈ వంప్రమాణవాంప్రమాణవరట్టి తన చిన్నాల్చి ఆప్టిషాలను విడ్యూల్యూలతో సెమరుచేసు కున్నారు. వేప, కాసుగ్ పెల్లులను గ్లాషియా వాకే పారమని, అప్పుదే విడ్యూల్యూలప్ప అటి తెరియమని అయిన అణ్ణార్, వేప, కాసుగ్ పెల్లులలో దుశ్శాయ శాఖలే ఎంతో ఘటణా ఉండవని వెచ్చారు. ఈ కార్యక్రమంలో దియల్వరీ దెంటలో అస్క్రి దాక్షర్య కె అయిరాడెద్ది, అర్ట్ సుటం పొందే, మిశ్యార్లు, ఎన్నివెన్నవీ ప్రొగ్రామ్ ఆటికార్ ట్రైనర్ ఉపాయిరట్టి తదితరులు పోల్చాన్నారు.

## SWACHHTA HI SEWA CAMPAIGN



28th September 2024,  
No. of students participated: 250

ନାକି

ప్రాణాన్ధీ సామాజిక సమాజాలు



ఎంచేపేర్లో 'ప్రాచీన క్రీ సేవల్లో ఇంగ్లీషు

# CLUB ACTIVITIES

- Rangoli- as part of ISTE student chapter inaugural have done Rangoli art work Students of the Art club- MUSE 13th and 14th September 2024- A block foyer
- INDUCTION(CLUB INTRODUCTION) The college clubs of MGIT were introduced to the newly joined students from 3rd September, 2024 to 5th September, 2024, as part of the Induction Program. SYMPHONY (MUSIC CLUB OF MGIT)
- INDUCTION(CLUB INTRODUCTION) Introduction of Persona and technology club to the first year newly joined students of MGIT Persona and technology club, MGIT 3RD SEPTEMBER, 2024 to 5TH September, 2024
- Induction Program (CLUB INTRODUCTION) Has presented overview of the club to freshers, Spotlight- Drama and filmmaking club 3rd, 4th, 5th September 2024



## CLUB ACTIVITIES

---



# DEPARTMENTAL ACTIVITIES

## CSE

1. "Data Science using R Programming", 5-days (6th- 10th August 2024), FDP, C. Soundaryaveni, Senior Technology Specialist at Quantum Nique Solutions. 60 participants from outside MGIT and inside MGIT.
2. "UIFlutter", 4-days (30th July- 2nd August 2024), FDP, Mr. Praveen Fernandes, Senior Associate Mentor at Quantum NIQUE Solutions. 60 participants from outside MGIT and Inside MGIT.
3. "Full Stack Development", 6-days (July 8th-13th, 2024), FDP, Renowned Speakers from Educults Consulting pvt ltd. 60 participants from outside MGIT and Inside MGIT.

### New Staff Details:

- Ms M Samyuktha joined as an Assistant professor in the department of CSE in July 2024.
- Ms D Renuka joined as an Assistant professor in the department of CSE in July 2024.

### Alumni activities

- GRithin Surya Sai, a 2017 graduate and currently working as Senior Engineer in Service Now, interacted with CSE final year students on Career Guidance on 3rd September 2024



# DEPARTMENTAL ACTIVITIES

## CSE



# DEPARTMENTAL ACTIVITIES

---

## IT

1. One Week Faculty Development Programme on Full Stack Development (08-07-2024 to 13-07-2024) Organized by the Departments of CSE, ET, and IT at MGIT, this programme was conducted in collaboration with Edcults Consulting Private Limited. The session featured Alur Basha and Harshad Hafeez as the eminent speakers. It took place in room D-110 and was attended by faculty members.
2. 4-Day Faculty Development Programme on "UI Flutter" (30-07-2024 to 02-08-2024) This programme, aimed at enhancing the faculty's skills in UI development using Flutter, was conducted by Mr. Pravin Fernando, Sr. Associate Mentor at Consensus Academy. It was held in room D-110 and targeted faculty members.
3. 5-Day Faculty Development Programme on "Data Science Using R Programming" (06-08-2024 to 10-08-2024), The Departments of CSE, ET, and IT hosted a 5-day training on data science, focusing on R programming. The session was led by C. Soundaryaveni, Senior Technology Specialist at Quantum Nique Solutions. This event took place in room C-002 and was intended for faculty members.
4. Training Program on Database Programming with SQL (27-08-2024 to 29-08-2024), A training programme on SQL database programming was conducted by the Department of IT in association with TASK. M. Kalpana, Tech Trainer at TASK, led this session. It was held in room D-209 and was attended by TASK-registered students from the 5th semester of CSB and IT.
5. Guest Lecture on "Language Models in NLP: A Comprehensive Overview" (22-07-2023) The IT Department hosted a guest lecture presented by Dr. KVSN Rama Rao, Tenured Leader at Brane Enterprises. The lecture was held for IV-semester B.Tech IT and CSB students.

### New Staff Details:

- Name of the faculty, designation, date of joining Name of the faculty-SK.ARSHIYA JULMA designation-ASSISTANT PROFESSOR date of joining-12.08.2024

# DEPARTMENTAL ACTIVITIES

## IT



# DEPARTMENTAL ACTIVITIES

## ET

1. 5-Days FDP on “ETL-Kafka”, 6th August to 10th August 2024, Faculty Development Program.

Details of the Speaker :

- Mr. Nethaji nirmal G , Lead Data Engineer, QUANTUMNIQUE
- Mr. Kasthuri raja, Senior Technology Specialist, QUANTUMNIQUE

The ETL (Extract, Transform, Load) in the context of Kafka typically covered the integration of Kafka with various data sources and sinks, data transformation using Kafka Streams or other frameworks, and the process of loading transformed data into target systems. This FDP provided a comprehensive understanding of Apache Kafka, covering both theoretical concepts and practical implementations, tailored for faculty development.



New Staff Details:

- Ms Karuna Verma joined as an Assistant professor in the department of ET in August 2024

# DEPARTMENTAL ACTIVITIES

## ECE

1. Guest lecture organized on “ On-Chip to Career-Bridging Campus to Corporate in the Semicon Industry” by Mr. M.Naga Sitaram, Delivery Manager, BITSILICA, Hyderabad held on 12-08-2024 at C-Block Seminar Hall, MGIT, Hyderabad.
2. Guest lecture conducted on “Career in Management after Engineering” by Mr.Puneeth Sharma, Chief Mentor, IMS, Hyderabad held on 13-08-2024 at C-Block Seminar Hall, MGIT, Hyderabad

## Industry-Academia Partnerships

Collaborations between educational institutions and semiconductor companies are vital in aligning curricula with industry needs. For instance, Rensselaer Polytechnic Institute (RPI) and GlobalFoundries have expanded their partnership to include a new master's degree program in semiconductor technology. Additionally, GlobalFoundries is funding a \$150,000 scholarship program over three years for RPI students pursuing careers in the semiconductor industry, which includes internship opportunities at GlobalFoundries. This collaboration aims to foster workforce development and innovation in the semiconductor sector.



# DEPARTMENTAL ACTIVITIES

# ECE



# DEPARTMENTAL ACTIVITIES

## CIVIL

Civil Engineering Department had organized an Expert Lecture on “Adaptive Urban Infrastructure: Navigating the Complexities of limited space and growing demand” by Sri C A Prasad Director, METEY Engineering Consultancy Pvt. Ltd & President of PSI Hyderabad On the Occasion of Engineers Day on 13th September, 2024 for B.Tech III Sem, V Sem & VII Sem students.



# FACULTY ACHIEVEMENTS

---

## CSE

a) Research Papers published (IEEE format):

- N Musrat Sultana," Data Privacy Protection in Cloud Computing Using Visual Cryptography", *Multimedia Tools and Applications*, Springer Nature, August 2024, DOI: 10.1007/s11042-024-19963-6.

b) Patents: granted / published

- 1. Dr. Gousiya Begum, (2024). METHOD AND SYSTEM FOR MULTI MODE EMOTION ANALYSIS BASED ON AI DEEP LEARNING (India Patent No. 202441066191). National Patent.
- 2. Dr. K. Rajitha, (2024). A SYSTEM AND METHOD FOR AI-ENABLED ANALYSIS OF OCEAN REMOTE SENSING IMAGERY FOR EFFECTIVE NAVIGATION (India Patent No. 202441064165). National Patent.

c) Others

- Dr. K. Sreekala, Assistant Professor, is Reviewer for the Journal titled "Discover Computing", Springer Nature (02nd September 2024).
- Gousiya Begum was awarded the Best Teacher recognition by the Prof. Dr. Amruth Rao Educational Society, in association with the World Environment Organization, Tax Filing, and Educacio World, on 22nd September 2024 in Telangana.
- Ms. N Musrat Sultana was awarded the Best Teacher recognition by the Prof. Dr. Amruth Rao Educational Society, in association with the World Environment Organization, Tax

# FACULTY ACHIEVEMENTS

---

## CSE

- Dr. K. Sreekala was awarded the Best Teacher recognition by the Prof. Dr. Amruth Rao Educational Society, in association with the World Environment Organization, Tax Filing, and Educacio World, on 22nd September 2024 in Telangana.
- Dr. K. Rajitha was awarded the Best Teacher recognition by the Prof. Dr. Amruth Rao Educational Society, in association with the World Environment Organization, Tax Filing, and Educacio World, on 22nd September 2024 in Telangana.
- Dr. K. MadhuBabu, Reviewer of "Discover Electronics", Springer Nature Journal (29th September 2024).
- Dr. K. MadhuBabu, Reviewer of "Scientific Reports", Springer Nature Journal (19th August 2024).
- Dr. K. MadhuBabu, Reviewer of "International Journal of System Assurance Engineering and Management", Springer Nature Journal (25th July 2024).

# FACULTY ACHIEVEMENTS

---

## ET

1. Aleti Nagitha Reddy, Dr.M. Rama bai, “A Model for Automatic Recognition of Medicinal Plant Properties with AI Driven MobileNet-LSTM Model”, IJARESM, Sep 2024, Volume 12, Issue 9, ISSN:2455-6211, UGC Care, Impact factor-8.536, <https://www.ijaresm.com/> DOI: <https://doi.org/10.56025/IJARESM.2024.1209241042>.
2. Dr. Barnali Gupta Banik has completed certification on “Oracle Cloud Infrastructure Generative AI Certified Professional on 29th July 2024.
3. Dr. Barnali Gupta Banik has served as resource person in the Faculty Development Program on “Cyber Security and Blockchain: Current trends and future directions” on 5th July 2024.
4. Published Inventor Name : J Sreedevi, Year:2024, Title of patent : A COCONUT SHELL (HUSK REMOVED) SURFACE POLISHING MACHINE, Applicant : Vallurupalli Ngeswara Rao Vignana Jyothi Institute of Engineering and Technology, Patent No: 202441050107, url- Intellectual Property India Radhika Vangala (IN/PA 4737) Agent for Applicant(s).
5. Mr. Ch. Shiva Krishna Chary has delivered an Expert Talk on “Cyber Security” at SCITS KNRon11th September 2024.
6. Mr. KKotaiah Swamy has delivered a guest lecture on Computer Networks for III Year CSE and IT students organized by AI Club, Department of CSE, KG Reddy College of Engineering on 20th September 2024.
7. Ms. D.Deepika was awarded the Best Teacher recognition by the Prof. Dr. Amruth Rao Educational Society, in association with the World Environment Organization, Tax Filing, and Educacio World, on 22nd September 2024 in Telangana.

# FACULTY ACHIEVEMENTS

---

## ECE

1. Maheswari, M., Ahamed Ayoobkhan, M.U., Shirley, C.P., Lakshmi, T.R.V., “Optimized attention-induced multihead convolutional neural network with efficientnetv2 fostered melanoma classification using dermoscopic images”, Medical and Biological Engineering and Computing, November 2024, 62(11), pp. 3311–3325 (Scopus).
2. Gollapudi, V.M., Madhuli, A.S., Kartik, R., ... Vijaya lakshmi, T.R., Reddy, C.V.K., “Analysis of Image Quality and Video Denoising Using Convolutional Neural Networks”, Advances in Signal Processing and Communication Engineering (ICASPACE 2023), Lecture Notes in Electrical Engineering, 4th July 2024, 1157, pp. 175–192 (Scopus).

# FACULTY ACHIEVEMENTS

---

## EEE

### **Ph.D's Awarded:**

1. Mr. Ch. Vinay Kumar received Doctor of Philosophy for the Thesis entitled “Analysis of the Performance of BLDC Motor using Advanced Soft Computing Techniques” from JNTUH, Hyderabad on 22-08-2024.



# FACULTY ACHIEVEMENTS

---

## EEE

### Research Activities by the Faculty:

Dr.P.Chandrsekhar, published an article “Enhanced Vehicle-to-Grid and Grid-to-Vehicle Efficiency: Implementing a Three level Inverter with IGBT Switches in DC fast charging systems”, in Journal of Engineering Sciences in July 2024.

Dr.P.Nagasekhar Reddy, published an article “An Intelligent Method for Performance of Air Conditioning System and Vehicle Fuel Economy Trade-offs for a Hybrid Electric Vehicle using SA-CNN-LSTM Model”, in International Conference for Advancement in Technology (ICONAT), September 2024

Dr.P.Ram Kishore Kumar Reddy, Published an article “Power Electronics and Smart Grids”, in IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems(SPICES), September 2024.

Dr.P.Ram Kishore Kumar Reddy, Published an article “Modelling and Stability Analysis of Dynamic Droop Controlled Microgrid based on Dynamic phasor”, in 2024 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), September 2024.

### Awards Achieved by the Faculty:

Dr.P.Ram Kishore Kumar Reddy, Awarded with Best Paper Award for an article published titled “Power Electronics and Smart Grids”, in IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems(SPICES), September 2024.

## FACULTY ACHIEVEMENTS

---

### CIVIL

Dr. Sreeteja Bala Padmaja, Assistant Professor, Civil Engineering Department, Published a Patent titled "DESIGN AND CONSTRUCTION OF A CUSP CATOSTROPHE MODEL TO ANALYSE THE STABILITY OF LANDSLIDE" Patent on 02.08.2024, No. 202441053554 A.

### P&C

1. Dr.G.Kumaraswamy,Assistant Professor and Dr. M. Ravichander, Associate Professor & HoD "One-pot multicomponent approach towards the synthesis of 5-substituted 1H tetrazoles using lanthanum (III) nitrate hexahydrate as a catalyst" Journal of Research on Chemical Intermediates. July 2024.
2. Dr. Archana Jain, Assistant Professor "Mononuclear Aluminum Complexes as Precursors for Cyanosilylation of Carbonyl Compounds" Journal Chemistry Select July 2024.

### CSE

#### a) Academic achievements of the students

- CHIKKUDU CHANDU (22261A0512), NPTEL Certification Course, Jul-Dec 2024, Data Structure and Algorithms using Java. Secured Topper of the course with Elite+Gold Certification.
- VEAMDHEERAJREDDY(23261A05J8), NPTEL Certification Course, Jul-Dec 2024, Problem Solving Through Programming in C. Received Elite+Gold Certification.

# STUDENT ACHIEVEMENTS

## b) Co-curricular achievements of the students

- The Smart India Hackathon (SIH) Internal Hackathon took place from September 3- 4, 2024. A total of 100 teams participated, out of which 30 advanced to the finals. 2. On August 26, 2024, MGIT received the ACM Student Chapter Certificate of Charter, recognizing its commitment to building a vibrant computing community. The chapter will offer student's opportunities to explore computing advancements, participate in competitions, and collaborate on projects.



## STUDENT ACHIEVEMENTS

---

### b) Co-curricular achievements of the students

- On August 26, 2024, MGIT received the ACM Student Chapter Certificate of Charter, recognizing its commitment to building a vibrant computing community. The chapter will offer student's opportunities to explore computing advancements, participate in competitions, and collaborate on projects

