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 Department also runs a Post Graduation course M.Tech (CNIS) with an intake of 18. 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 17 faculties out of which 2 holds a Doctorate and 8 are pursuing Ph.D's and 7 are holding M.Tech degree

Editorial Committee:

**Dr. D Vijayalakshmi,
Professor & HoD**

**Mr. K Harinath,
Assistant Professor**

**Mrs. Nazia Tabassum,
Assistant Professor**

**Mr. B Lokesh,
Assistant Professor**

IT DEPARTMENT'S VISION, MISSION AND PEO'S

Vision:

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

Mission:

To gradually transform into a centre of excellence, adopting cutting edge technologies necessary for nation building while maintaining global standards in education, training and services providing quality environment and technical know-how to all its stake holders.

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 in the technological world.

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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
- ✓ Out of the 240 students around 196 students are enrolled in certificate or diploma or Add-on programs
- ✓ BTech IV/IV Year Shashikant Upadhay holding the highest honor of holding the Best Cadre in Navy from Governemnt of India and was honored by the Prime Minister of India, Mr Narendra Modi.
- ✓ BTech III/IV year Abdesh Pratap Singh, V Sai Ganesh, V Manish and ShivaKumar winning Innovation award from Innovation cell of Government of Telangana.
- ✓ Our Students have won hackthons hosted by JHub and Smart India.
- ✓ 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.
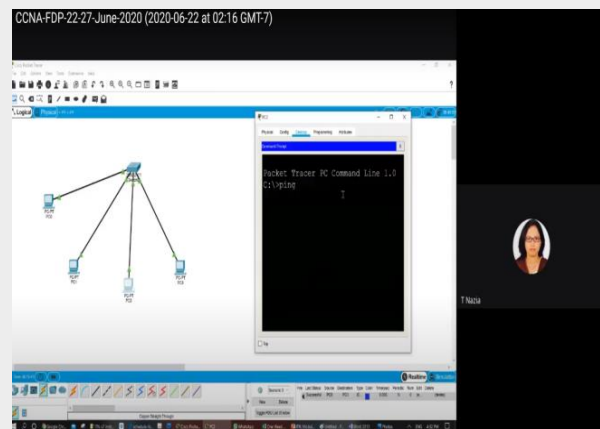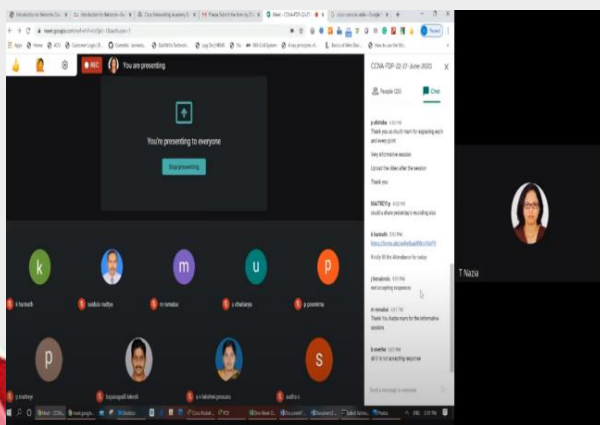
MGIT

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Departmental Activities

Faculty Skill Enhancement Programs

Five Day Workshop on Cisco Networking Academy's Internet of Things Fundamentals: Connecting Things 2.0

One Week Faculty Development Program on

" Cisco Certified Network Associate" CCNA V7"

A number of Workshops and Faculty Development Program from various Institutional and Industrial Experts in the field were organized by the Department for in-depth understanding of the subjects.

Table shows the list of some interesting events organized by the department.

S.No.	Name of the Workshop/FDP	In Colloboration/ Association with
1	One Week Online Faculty Development Program on "Cisco Certified Network Associate (CCNA)"	Department of IT, MGIT in Association with Cisco Networking Academy
2	Yukti '20 A National Level Technical Symposium	Department of IT, MGIT
3	Two day workshop on DATA ANALYTICS	Dept. of IT, & SWECHA
4	Hackathon : One Day Internal Hackthon for "Smart India Hackathon'2020"	Department of IT,CSE &ECE MGIT
5	Hackathon : Theme on "Cyber Security"	Department of CSE & IT MGIT-JHUB in association with J-HUB, JNTUH
6	TECHASTRA-2019 A National Level Technical Symposium	Department of CSE & IT MGIT in association with CSI Student Chapter
7	One day National workshop on Relevance of Vedic Mathematics to Real world Computing	Dept. of M&H in collaboration with Dept. of CSE & Dept. of IT
8	one day Workshop on Data Structure Virtual Lab	Department of CSE & IT MGIT in association with Virtual Labs
9	5 day workshop on CISCO Networking Academy's IOT Fundamentals : Connecting Things 2.0	Dept. of IT & CISCO Networking Academy

Patent:

Proud to announce the staff of IT Department under the esteemed leadership of the Head of the Department

Dr. D.Vijaya Lakshmi, has published a National Patent.

Name of the Authors: Dr.D.Vijaya Lakshmi, Dr.M. Shanmukhi, Mrs.N.SreeDivya, Mrs.NaziaTabassum, Mr.K.Harinath Patent on Agricultural IOT was published on 13 March, 2020. Patent Application Number: 202041010147 A.

Title of the invention: **IAEC- SYSTEM: INTELLIGENT IOT SYSTEM FOR AGRICULTURE ENVIRONMENT CONTROL**

Publications of Staff:

No. Of research publications from Faculty members of IT Department.

Papers Published in Journal	Papers Published in Conference	Total
32	25	57

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Student Achievements

B.Tech IV/IV Year IT Student **Shashikant Upadhay** holding the highest honor of holding the **Best Cadre in Navy** from **Government of India** and was honored by the **Prime Minister of India, Mr. Narendra Modi.**

B.Tech III/IV Year IT Student **Abdesh Pratap Singh** won Innovation award from Innovation cell, Government of Telangana.

IT Students have won hackthons hosted by JHub and Smart India.

Student Awards

List of students received Awards

S. No.	Roll No.	Student Name	Event Name	Awarding organization	Date of certificate issue	Title of the innovation
1	17261A1202	Abdesh Pratap Singh	36 hour hackthon on cyber security	Mahatma Gandhi Institute of Technology in Association with JHUB, Government of Telangana	21.12.2019	Security Rules for Database
2	18265A1201	A Shiva Kumar				
3	17265A1207	V Sai Ganesh				
4	18265A1207	V Manish				
5	17261A1202	Abdesh Pratap Singh	Internal hackthon for smart india hackthon202	Mahatma Gandhi Institute of Technology in Association with Smart India Hackthon	21.01.2020	Make it App'n
6	18265A1201	A Shiva Kumar				
7	17265A1207	V Sai Ganesh				
8	18265A1207	V Manish				
9	17261A1202	Abdesh Pratap Singh	HackthonV1.0 Student Hackthon	ISL Engineering College, Hyderabad	07.03.2020	Make it App'n
10	18265A1201	A Shiva Kumar				
11	17265A1207	V Sai Ganesh				
12	18265A1207	V Manish				
13	17261A1202	Abdesh Pratap Singh	AIKYANational Level Hackthon	Sreenidhi Institute of Technology, Hyderabad	01.03.2020	Smart City
14	18265A1201	A Shiva Kumar				
15	17265A1207	V Sai Ganesh				
16	18265A1207	V Manish				

Events Attended by Students within the state & outside the state

Academic Year	No. of Students Participated within the State	No. of Students Participated outside the State	Total
2018 – 19	178	89	267

Student Internships

Academic Year	No. of Students Participated
2019 – 20	43

Motivation to promote Innovative Reforms

Name of the Scheme	Number of Students Benefited by Career Counseling Activities	Number of Students Placed
Zero to Maker: Free Tools to Make	16	20
Artificial intelligence and machine learning algorithms in edge computing and 2applications to internet of things	16	20
Life skills coach and motivational	127	20
Rational Decision making and university selection outwitting bias with Data Science	57	20
Block chain Technologies	59	20
Entrepreneur Talk	56	20

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Engineering Events organized under Professional Societies/Chapters

S.No.	Chapter / Society	Event / Workshop	Date	Target Audience
1	Department of IT, MGIT in Association with Cisco Networking Academy	One Week Online Faculty Development Program on "Cisco Certified Network Associate (CCNA)"	22nd to 27th June,2020 (2pm to 4pm)	Staff (30)
2	Dept of IT	Yukti '20 A National Level Technical Symposium	12th March, 2020	Students(120)
3	Dept. of IT, & SWECHA	Two day workshop on DATA ANALYTICS	28th& 29thFebruary, 2020	Students II/IV B.Tech (64)
4	Department of IT,CSE &ECE MGIT	Hackathon : One Day Internal Hackthon for"Smart India Hackathon'2020"	21st January, 2020	Students II/IV, III/IV B.Tech IT(57)
5	Department of CSE & IT MGIT-JHUB in association with J-HUB, JNTUH	Hackathon : Theme on "Cyber Security"	20th & 21st December, 2019	Students(25) III/IV B.Tech IT
6	CSI Student Chapter	TECHASTRA-2019 A National Level Technical Symposium	8th& 9th November, 2019	STUDENTS
7	Dept. of IT	One day National workshop on Relevance of Vedic Mathematics to Real world Computing	24th September 2019	STUDENTS
8	Department of CSE & IT MGIT in association with Virtual Labs	Workshop on Data Structure Virtual Lab	19th September 2019	STUDENTS II/IV,III/IV B.Tech IT (46) and II/ IV CSE
9	Dept of IT, CISCO Networking Academy	Five day Workshop on CISCO Networking Academy's IOT Fundamentals : Connecting Things 2.0	8th to 12th July 2019	STAFF (30)

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Placement Details

The final year students of IT Department are placed in various organizations are listed below:

S.No.	Roll No.	Name of student	Details of Placements
1	16261A1250	Pranusha	TATA Consultancy Services Limited
2	16261A1249	Akanksha	Cognizant Technology Solutions India Pvt. Ltd.
3	16261A1233	Nalla kavya	Cognizant Technology Solutions India Pvt. Ltd.
4	16261A1222	Thanmai	TATA Consultancy Services Limited
5	16261A1216	Durga bhavani	TATA Consultancy Services Limited
6	16261A1212	Keshav nandu	TATA Consultancy Services Limited
7	16261A1205	Sahaja priya	Zeboro Technologies Pvt. Ltd
8	16261A1237	Sowmya	Shresta Analytics Pvt.Ltd
9	16261A1254	Mary prajwala	Modak Analytics LLP
10	16261A1242	Purva pravin Likhar	L&T infotech
11	16261A1238	Meghana Prasad	Infor(india) Pvt.Ltd.
12	16261A1212	Keshav Nandu	Infosys Limited
13	16261A1213	Likhitha Gummi	Amazon Development Center
14	17265A1205	Peddi Shivani	E-Commerce Consultants Pvt. Ltd.
15	16261A1229	Mekala haripriya	TechMahindra Limited
16	16261A1219	K.Sanjana	ivy
17	16261A1224	Kontham Sravani	TATA Consultancy Services Limited
18	16261A1245	Sai priya	NIIT Technologies Limited
19	16261A1256	Upendra Doddi	Netenrich
20	16261A1239	Pavanam Swetha	V-Soft Consulting

YUKTI–2020: A National Level Technical Symposium

The IT Department of MGIT is conducting Yukti. A National Level Technical Symposium yearly once. This Technical Fest helps the students to expose their hidden talents in various activities like Paper Presentation, Poster Presentation, Tech Clicks,Tech Beat, Blind Room...

The Department of IT conducted YUKTI '20- A National Level Technical Symposium on 12th March, 2020. The Department motivates students to take up innovative projects and always strives to help students in molding their career to become future technocrafts.

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.