



# IT Chronicle

July 2021



## 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 15 faculties out of which 1 holds a Doctorate and 8 are pursuing Ph.D's and 4 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



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## 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
- ✓ 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.





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## PATENTS:

S. No	Title of the Paper	Name of the Author(s)	Designation	Date of Publication	Patent Application No.	National / International
1.	DIMA-Dataset Discovery: Dataset Discovery In Data	N. Sree Divya	Assistant Professor	16/09/2020	2020101987	International
2.		K. Harinath	Assistant Professor			
3.		Nazia Tabassum	Assistant Professor			
4.	Real-Time Signal Generators for Cellular Jammer With dynamic Switching Of Frequency Bands	J. Hima Bindu	Assistant Professor	05/05/2021	2021101590	International
5.	A Method Of Text Mining In Ranking Of Web Pages Using Machine Learning	J Aruna Santhi	Assistant Professor	19/05/2021	2021100441	International
6.		Ch. Lakshmi Kumari	Assistant Professor			
7.	Detection Of Nutrients In Soil Using IoT	Dr. D.Vijaya Lakshmi	Professor & HoD	31/07/2020	2020410289 34 A	National
		Nazia Tabassum	Assistant Professor			
8.	Air Quality Monitoring Device Using IoT	A.V.L.Prasuna	Assistant Professor	21/08/2020	2020410319 47A	National
9.		P.Maitreyi	Assistant Professor			
10.		B.Meenakshi	Assistant Professor			
11.		B. Swetha	Assistant Professor			
12.	Hand Written Digit Recognition Using Ai Based Programming	Ch. Sudha	Assistant Professor	04/09/2020	2020410334 31	National
13.	Red Deer Algorithm For Anomaly Detection In Sensor-Based Cyber-Physical Systems	V.Veena	Assistant Professor	23/04/2021	2021410176 69 A	National



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## Publications of Staff:

List of research publications from Faculty members of IT Department.

Papers Published in Journal	Papers Published in Conference	Total
52	13	65

## Books/Book Chapters Published

List of Books / Chapters Published from Faculty members of IT Department.

S.No	Name of the Faculty	Title of the Book / Chapter	Name of the Publisher	Year of Publication	ISBN
		<b>Book</b> Titled “Authentication and Access Control for Secure Communication in Mobile Cloud Computing”			
1.	B. Meenakshi	<b>Chapter 5</b> on	Elsevier SSRN Imprint Immortal Publications	2020	978-93-5407-019-8
2.	Nazia Tabassum	“Authentication and Data Security in Mobile Cloud Environment (MCE): Approaches, Models and Issues”			
3.	A.V.L.Prasuna	<b>Chapter 7</b> on			
4.	K. Harinath	“Data Security with Authentication in Mobile Cloud Computing			
5.	Nazia Tabassum	:Methods & Techniques with Capabilities, Limitations”			
		<b>Book</b> Titled “Women Empowerment: Challenges & Strategies”			
6.	Ch. Lakshmi Kumari	<b>Chapter 3</b> on “Women Empowerment: Issues and Challenges”	K.G.R.L.College, Bhimavaram	2021	978-81-950163-5-8



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## Student Achievements

### Prizes/awards received in such events

Academic Year	No. of Students Received
2020-21	98

### Placement Details

Academic Year	No. of Students Placed
2020-21	32

### Higher Studies

Academic Year	No. of Students
2020-21	10



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## Student Internships

Academic Year	No. of Students Participated
2020-21	22

## 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	29	25	54



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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 Pantech e-Learning	Two Days Online workshop on IoT& Embedded Systems	24th-25th April 2021	Students(474)
2	Department of M& H, CSE & Other Core Branches of Engineering, MGIT	One Week Online International Webinar/FDP on Relevance of Mathematics to Core-Engineering Sciences	12th to 16th October, 2020	Staff (592)
3	Department of IT, MGIT in association with AppTronix Technologies	One week online workshop on Deep Learning	3rd to 7th August 2020 (4:30PM to 5:30 PM)	Staff & Students (806)
4	Department of IT, MGIT in association with Pristine Info Solutions	One week Online Faculty Development Program on "Ethical Hacking and Data Security"	27th July,2020 to 31st July,2020 (11 am to 1.00 pm)	Staff (333)
5	Department of IT, MGIT in association with Indian Servers.	One week Online Faculty Development Program on "Cyber Attacks & Digital Forensics"	20th July 2020 to 24th July 2020(10 AM to 12 PM)	Staff(983)