Department of Information Technology

The Department of Information Technology is one of the first departments established in MGIT in the year 1997 and has got accredited by NBA twice so far. We are proud to say that fourteen batches of students have successfully completed their B.Tech programme and many of them got admissions in Master programme abroad and majority of them have been employed in reputed IT companies, organizations spread across the globe.

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

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.

Special points of interest:

- **Establishment of CSI Student Branch in MGIT.**

- **Many of our students are chosen Masters abroad as their next goal in their career.**

Editorial Committee:

Dr. M. Rama Bai, Prof.

Mr.G. Kasi Reddy, Assoc. Prof.

Mr. D. Vijay Kumar, Asst. Prof.

Columnist:

Mr. D. Koteswara Rao, Asst. Prof.

Inaugural session of CSI Student Branch Establishment.
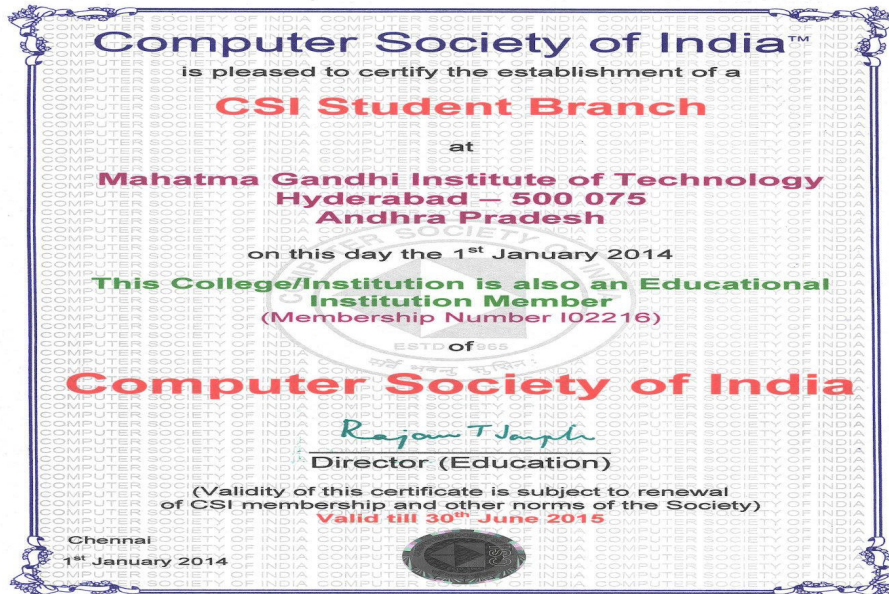
CSI Student Branch Membership Certificate

Professional Development Programmes attended by Faculty
(Orientation/Refresher courses/FDPs/Workshops)

Sl. No.	Name of the Faculty	Name of the course	Place	Date	Duration
1	Dr. M. Rama Bai Mrs. A.V.L Prasuna	JNTUH e-Learning Solutions and Two-Way HD Delivery Mechanism for Teachers	RRS College of Engineering and Technology	31st July, 2014	1 Day
2	Mrs. A.V.L Prasuna	Generation Devices and Computing	CBIT, Hyderabad	28th&29th November, 2014	2 Days
3	Mrs. A.V.L Prasuna	STTP-Refresher Course on "Emerging Trends in Mobile and Cloud Computing "	CBIT, Hyderabad	29th Dec, 2014 to 9th Jan, 2015	12 Days
4	Mr. G. Kasi Reddy Mrs. U. Chaitanya Mrs. J. Aruna Shanthi Mrs. N. Sri Divya Mrs. J. Hima Bindu Mrs. B. Nanditha Mrs. CH. Lakshmi Kumari Mrs. A. Swapna Mrs. B. Swetha Mrs. CH. Anupama	Introduction to Service Oriented Architecture and Cloud Computing	MGIT, Hyderabad	15th November, 2014	1 Day
5	Mrs. U. Chaitanya	Network Simulation Tools	SNIST, Hyderabad	8th to 12th December, 2014	4 Days
6	Mrs. U. Chaitanya Mrs. J. Hima Bindu Mrs. B. Nanditha Mrs. CH. Anupama	Next Generation Devices and Computing	CBIT, Hyderabad	28th& 29th November, 2014	2 Days
7	Mr. D. Vijay Kumar	Recent Trends and Research Opportunities in Big Data under TEQIP-II	Vasavi College of Engineering, Hyderabad	30th& 31st October, 2014	2 Days
8	Mrs. N. Sri Divya Mrs. B. Nanditha	Image Processing and its Applications	MGIT, Hyderabad	15th to 19th December 2014	4 Days

Research Publications of Faculty

S. No	Faculty	Details of Publication
1	Dr. M. Rama Bai	Cyber-Physical Systems Security: To Improve Independent Computing Capabilities of reliable Platforms and Tools", published by International Journal of Advanced Research in Computer Engineering & Technology, Vol 3, Issue 9, Sep. 2014, pp 3102-3110. "Design and Implementation of Chord Algorithm in Wireless Mesh Networks", published by International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 8, August – 2014 Evaluation of Optimal Contrast for Strategies of Secret Sharing", published by International Journal Of Reviews On Recent Electronics And Computer Science, IJRRECS/August 2014/Volume- 2/ Issue-8/3051-3055 ISSN 2321-5461
2	Dr. V. Ramesh	"Design of Novel Energy Conservative Preemptive Dynamic Source Routing for MANET", 5th ICCCNT held during 11-13th July 2014 at China. (Published in IEEE Xplore Digital Library)

Details of Higher Education for MASTERS in USA and Campus Placements

for the Academic Year 2013-2014

Admissions for Masters in USA for Academic Year 2013-14

Most of the students of IT Dept have done well and got good scores in GRE, TOFEL,IELTS and GATE exams. They have applied to universities in USA to do their Masters.

Many of our students have chosen Masters as their next goal in their career. The details of their admission are given below.

The following are some of the Universities where our students got admission into their Masters: – North Eastern University, Massachusetts; California Sate university, Syracuse University, Bradley University, University of Houston, Main Campus and The University of Maryland Baltimore County(UMBC.

S.No	HT NO	NAME OF THE STUDENT	UNIVERSITY
1	10261A1226	K. Reethi	M.S, North Eastern University, Massachusetts, GRE: 321, TOFEL: 115
2	10261A1245	Meghna Reddy. S	M.S , California Sate university Sant Clara, GRE: 307, TOFEL: 105
3	10261A1247	Shrenya Reddy. S	M. S, Syracuse University New York , GRE: 316, TOFEL: 107
4	10261A1248	Teja Reddy. S	M.S, University of Houston, GRE:286, IELTS: 6
5	10261A1250	Sai Kiran. S	M. S, Bradley University, GRE: 305, TOFEL: 85
6	10261A1251	Susmitha. S	University of Houston, Main Campus; GRE: 311, TOFEL: 92
7	10261A1254	Nehasri Reddy. T	M. S, The University of Maryland Baltimore County (UMBC), GRE: 308, TOFEL: 103
8	10261A1258	Sai Kiran. V	M. S, Bradley University, GRE: 300, IELTS: 7/9
9	10261A1223	K.Anuradha Pai	University of North Carolina , GRE::305

"The roots of education are bitter, but the fruit is sweet."

- Aristotle

Placements for the Academic Year 2013-14

S. No	Company	No. of Students Placed
1	TCS	4
2	HSBC	2
3	Persistent systems	1
4	TechAspect	1
5	IBM	1
6	Verizon	1
7	iService globe	1
8	GGK Technologies	1
9	Infosys BPO	5
10	Infosys Ltd	4
11	CTS	2
12	CSC India (P) Ltd	3
	Total	26

Various software companies visited MGIT during this academic year. They have conducted exams and interviews and selected students from different branches of Engineering and Technology. The students of the IT department have got placed in companies: TCS, HSBC, Persistent systems, TechAspect, IBM, Verizon, iService globe, GGK Technologies, Infosys BPO, Infosys Ltd, CTS, CSC India (P) Ltd. Almost all of our IT students have also appeared for exams such as GRE, TOFEL, IELTS, GATE to seek admission in M. Tech , M.S in India and abroad. Ms. K. Reethi got top score in GRE, TOFEL exams in this Academic year. Ms. Shrenya Reddy. S and Ms. Susmitha have got good score in the GRE and TOFEL exams.

"The goal of education is not to increase the amount of knowledge but to create the possibilities for a child to invent and discover, to create men who are capable of doing new things.."

– Jean Piaget

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Department of Information Technology (IT): Established in the year 1997, the department has an annual intake of 60 students. The department as two Professors, two Associate Professors and twelve Assistant Professors including the supporting staff: three programmers and two operators. The department of IT boasts a healthy placement record with companies such as TCS, HSBC, Persistent systems, TechAspect, IBM,   Verizon, iService globe, GGK Technologies,   Infosys BPO, Infosys Ltd, CTS, CSC India (P) Ltd.

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Programme Outcomes

a. An ability to apply knowledge of mathematics, science and engineering.

b. An ability to design and conduct experiments, as well as to analyze and interpret data.

c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

d. An ability to function on multi-disciplinary teams.

e. An ability to identify, formulate, and solve engineering problems.

f. An understanding of professional and ethical responsibility.

g. An ability to communicate effectively.

h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

i. A recognition of the need for, and an ability to engage in life-long learning.

j. A knowledge of contemporary issues.

k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

l. An ability to work professionally in developing software applications including the design implementation and maintenance.

Forth Coming Events

 The Department of IT is planning to conduct Yukti-15—A National Level Technical Symposium in the month of March 2015.