



IT Chronicle

A Half-Yearly News Letter

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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 sixteen 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 YUKTI-2016: A National Level Technical Symposium

An engineer is a person, who strives to add value to our mundane lifestyles and makes life more qualitative. What sets an engineer apart is his technical school of thought and analytical mindset.

Yukti'16, the Technical Fest of Information Technology Department unleashes these skills in the budding engineers across the nation. A National Level Technical Symposium

engineered to provide an effective interface between the students and the corporate world, a gamut of presentation, C-Cracker, Thrill Buzz, Encounter it (Mock Placements), Duck Duck Go were successfully conducted with 300 participants from different institutions all over India.

The Department of IT conducted the 2-Day National - Level Technical Symposium, named YUKTI

IT DEPARTMENT'S VISION, MISSION AND PEO'S

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 gradually transform the department 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:

- Many of the Faculty Continuously attending the Faculty Development

Editorial Committee:

Dr. M. Rama Bai, Prof.

Mrs. A. V. L. Prasuna, Assoc. Prof.

Mr. D. Vijay Kumar, Asst. Prof.

Mr. M.Ayyavaraiah, Asst. Prof.

Columnist:

Mr. G. Kasi Reddy, Assoc. Prof.

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Principal, faculty, staff and students (2012-2016)

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	Mr. D. Vijay Kumar	Theory of Computation	CSE Dept., NIT Warangal	18 th to 27 th January, 2016	2 Weeks
2	Dr. M. Rama Bai Mrs .U. Chaitanya Mrs. J. Aruna Shanthi Mrs. J. Hima Bindu Mrs. B. Meenakshi Mrs. CH. Lakshmi Kumari Mrs. B. Swetha	Recent Trends in Digital Image and Video Processing	MGIT, ECE Dept. Hyderabad	22 nd to 27 th February, 2016	2 Days
3	Mr. M. Ayyavaraiah	Teaching Engineering	MGIT, CIVIL Dept.	3 rd & 4 th March, 2016	2 Days
4	Mr. M. Ayyavaraiah	Computational Intelligence & Informatics (ICCII -2016)	JNTUH, Hyderabad	28 th to 30 th May, 2016	3 Days

Research Publications of Faculty

S.No	Faculty	Details of Publication
1	Dr. M. Rama Bai	An Approach for Classification of Images as Centerline or Contour Using Skeletonization Algorithms” in IARJSET, Volume 3, Issue 5, May, 2016.
2	Mrs. P. Maitreyi	Binary Spray and Wait protocol Design for Secured Efficient Routing of Intermittently Connected Mobile Networks, in Proceedings of ICIAC-2016.
3	Mrs. B. Nanditha	Optimized Energy Consumption during Route Discovery for MANETs, in JNCET, Vol.6, Issue 3, Mar. 2016, ISSN: 2395-5317.
4	Mrs. B. Nanditha	Optimal Path Selection for Energy Efficient Communication for MANETs, in JNCET, Vol.6, Issue 3, Mar. 2016, ISSN: 2395-5317.
5	Mrs. B. Meenakshi	Comparative Study on Performance Evaluation of MAC Protocols in Wireless Sensor Networks, in NCEITCS – 2016 held.
6	Mr. M. Ayyavaraiah	Review of Machine Learning Based Sentiment Analysis on Social Web Data, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), ISSN: 2320-9798, DOI: 10.15680/IJIRCCE.2016.0406038, Vol. 4, issue 6.

“Education is not the learning of facts, but the training of the mind to think!”

-Albert Einstein

“A person who won't read has no advantage over one who can't read.”

-Mark Twain

Details of Higher Education for MASTERS in USA and Campus Placement for the Academic Year 2015-2016

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

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

Since its beginning, every year MGIT students get admitted into world class universities, This year, MGIT-Information Technology Students have got admission into M. Tech, MBA courses in India, and M.S in abroad Top Universities in countries like USA, UK; These are the some of the Universities where B. Tech graduate engineers of batch 2012-2016 are admitted: University of Houston- main campus, University of Meruphi's, University of New Mexico, M.S, University of Texas at Dallas.

S. No.	HT No.	Name of the Student	University
1	12261A1202	Aditya Eaturu	Florida Institute of Technology, FIT Orlando .
2	12261A1224	Vineeta Kandala	The University of NORTH CAROLINA
3	12261A1244	Akhil Reddy	North Illinois University
4	12261A1237	M. V. N. Pavana Sindhura	MTech, MVSR Engineering College
5	12261A1239	Nethi Srinivas Rohit	The University of NORTH CAROLINA
6	12261A1210	Vivek Sheetal	College of Graduate Studies at Texas A&M University
7	12261A1259	Abhinoy	University of Illinois
8	1226A11260	Yeruva Praveen Kumar	California State University
9	12261A1227	Krishna sree M	North Illinois University
10	12BH1A1249	Sarath Reddy Singi Reddy	University of Florida
11	12261A1205	B. Srinidhi Reddy	University of Houston
12	12261A1248	SREE Manikanta RR Nakula	George Mason University
13	12261A1234	Mohan Kamal Hassan	M.Tech,VIT ,Tamilanadu

S. No	Company	No. of Students Placed
1	TCS	15
2	CGI	2
3	Tech Aspect	2
4	Google Through Software	1
5	AMAZON	1
6	Persistent Sys.Ltd	2
7	TCS Off Campus	1
8	Pervacio	1
9	Alpha Merchant Navy	2
10	Value Lab	2
11	Broadridge	1
12	Newzenfo Infotech	2
13	Modak Technologies	1
14	Google	1
15	Flexeye	2
	Total	36

Various companies have visited MGIT in the academic year 2015-2016. They have conducted exams, interviews and selected students from different branches of Engineering and Technology. This year, the students of the IT department have got placement in the following companies: TCS,CGI, Tech Aspect, Google Through AMAZON ,Persistent, Sys. Ltd, TCS Off Campus, Pervacio, Google.

The Dept of IT, MGIT is also taking the necessary measures to improve different skills of the students through conduction of training classes to improve placements. Many of our IT students have also written exams such as GRE, TOFEL, IELTS, GATE to seek admission in M. Tech , M.S in India and abroad.

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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 has one Professor, two Associate professors and twelve Assistant professors including the supporting staff: three programmers and one operator .The department of IT boasts a healthy placement record with companies such as TCS, Dell, Deloitte, Franklin Templeton, GGK Technologies, Persistent Sys. Ltd ,ADP.

Forth Coming Events

The Department of IT is planning to conduct One Week FDP on “Internet of Things with Raspberry Pi & Network Simulator (NS-2)” in the month of October, 2016



www.mgit.ac.in

Programme Outcomes

- 1.Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2.Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3.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.
- 4.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.
- 5.Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6.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.
- 7.Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 8.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.
- 9.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.
- 10.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.
- 11.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
- 12.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

Programme Specific Outcomes (PSOs)

- PSO-1: 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.
- PSO-2: 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.
- PSO-3: Foundation of mathematical concepts:** Ability to apply mathematical methodologies to solve computation task, model real world problem using appropriate data structure and suitable algorithm.
- PSO-4: 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.