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Dr. SANJAY PANDE M B	Mr. ARUNA KUMAR B T		SHWETHA M M	
Vice President (VP)	Treasurer	Forum Representative's		
PRUTHWIK B S	SHARVANI M P	TANUSHREE R U	VINAY B	
Forum Representative's				
ANANDACHARI M M	RASHMI M C	CHIRIPIREDDY ADARSH REDDY	NEHARAANI D R	

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GM Institute of Technology

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Falcon Timelines

Biannual Newsletter by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

2019-20 (Odd Semester)

Intake 60 | Total students 206 | Boys 89 | Girls 171 | SFR 1:18

Volume 5 | Issue 1 | Date release 08.02.2020



GMIT
DAVANGERE

CET Code: E114



GMIT, Davangere

With blessings of



Late Sri G Mallikarjunappa
 Hon'ble Member of Parliament
 Founder President

Vision of the Department

To build excellent Technocrats in Computer Science and Engineering by continuously striving for excellence in IT industry to meet the challenges of society.

Mission of the Department

1. To train students by adopting effective teaching-learning approach.
2. To establish collaborative learning approach with Industry and Professional bodies.
3. To develop engineers with Professional-Social ethics and creative Research Culture.

Programme Educational Objectives

1. Graduates able to apply the knowledge of Basics Science and Core Computer science to analyze and solve real world problems.
2. Graduates possess professional skills needed for IT employment and pursue higher education in Computer Science and Engineering.
3. Graduates engage in life-long learning and adapt to changing Environment.
4. Graduates who can succeed as an individual or team leader in multidisciplinary avenues.

HoD's Desk



Dr. Sanjay Pande M B
 HoD, Dept. of CSE

Each and every one of you will one day have to ascribe a meaning to your life. As Swami Vivekananda said, "Truth can be stated in a thousand different ways, yet each one can be true." Your education here, in this department and outside it, during your time here and long after you graduate, will help you find that truth. The true hallmark of that education would be one "by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet." So, seek out that education, discover that truth and remember to use it well.

Principal's desk



Dr. Y Vijaya Kumar
 Principal

It gives me an immense pleasure to know that the **Computer Science & Engineering Department** is presenting the activities of the Odd Semester 2019 – 20 through Newsletter. It is a fact that the Higher Education is a dynamic process in which new-fangled thoughts are supplemented persistently to construct the Education system in progressive approach. Faculty in Educational Institution plays a very indispensable role in developing personality of students. Faculty makes planning of activities in education system which is highly vulnerable today, to make the students as all rounders. I am proud to say that the faculty of the Department are actively involving by following pre planned calendar, semester planning as well as daily planning by conducting New innovative activities, seminar, symposium, debate, games and sports etc. These are actual indicators of quality education that is imparted by the any Department. The publication of the Newsletter has been continuously done after each semester to present the various curricular and Co-curricular activities for students and Faculty in the department. I congratulate staff and students involved in publication of this Newsletter.

Editorial Board

1. **Dr. Sanjay Pande M B**
2. **Mr. Santoshkumar M,**
¹Head, ² Assistant Professor, Department of Computer Science & Engineering

Graphics by: **Dr. Mouneshachari S**, Associate Professor, Dept. of CS&E
Ms. Asha M Kathare, Instructor, Dept of CS&E

Programme Specific Outcomes :

Graduates of Computer science & engineering are able to :

1. Use new technology in solving professional problems.
2. Competent in problem solving techniques.
3. Use the creativity and software design knowledge in the development of Information & Technology.

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. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. 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.

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.

About department

The department was started in the year 2001. The department is progressing dynamically in both academic and research areas. Currently the department offers a 4-year Under Graduate B.E degree in Computer Science and Engineering with an intake of 60 students, under the affiliation of Visveswaraya Technological University, Belgaum.

The objective is to educate, train and develop world class research and IT professionals with a mastery of not only hardware and software skills but also soft skills for professional success. The Department is well equipped with state-of-the-art laboratories in the areas of Computing, Systems Programming, File Systems, Computer Networking, Microprocessor and Electronic Circuits along with a department library.

The Department has CSE Forum called "Falcon" which provides a platform for students to showcase their talents in both technical and extracurricular activities. The Forum helps in all-round development of the students through various Technical and non-Technical activities conducted throughout the year. The faculties of the department are actively involved in research activities in various technical areas. The department is regularly conducting workshops for faculty and students.

Faculty Corner



Dr. SANJAY PANDE M B
B.E., M.Tech., Ph.D, MBA (HR), (PhD)
Professor & Head



Dr. MOUNESHACHARI S
B.E., M.Tech, Ph.D, M.I.S.T.E.
Assoc. Professor
18 Years



Mr. SANTOSH KUMAR M
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
18 Years



Mr. KOTRESHI S.N.
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
14 Years



Mr. ARUN KUMAR B T
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
13 Years



Mr. SANDEEP G S
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
12 Years



Mr. NIRANJANA MURTHY C
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
10 Years



Mr. SHIVANNA K
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
12 Years



Mr. MARUTHI S T
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
05 Years



Mrs. Rachana N B
B.E., M.Tech.
Asst. Professor
01 Year



Mrs. Sushma S G
B.E., M.Tech.
Asst. Professor
10 Months



Mr. Thippeswamy G N
Diploma (CSE), (AMIE)
Instructor



Mr. Nagarajachar S.R.
Diploma (E.E), (AMIE)
Instructor



Mr. Veerabhadrapa
Diploma (CSE),
Instructor



Ms. Asha M Kathare
Diploma (CSE),
Instructor

Faculty Attended Workshop:

- **Mr. Kotreshi S N**, Two week FDP on "Emerging trends in Medical image processing & its applications", 9th to 21st Dec 2019
- **Santoshkumar M**, "OBE & NBA Accreditation", 23rd to 28th Dec 2019
- **All the staff** attended Two Day Workshop on "Web Application Development using PHP & Mysql" Conducted by CSE in Association with Embiot Technologies, Bengaluru, 11th & 12th October 2019
- **All the staff** attended Three Day Workshop on "Information Security & Cyber Forensics" Conducted by CSE in Association with Sirintel Technologies Pvt.Ltd. Bengaluru,, 20th to 22nd September 2019
- **All the staff** attended Five Day FDP on "Information & Communication Technology(ICT) & OBE" Organized by RVCE, Bengaluru, under the Margadarshan-AICTE Scheme, conducted at GMIT during 21st to 25th January 2020
- **All the staff** attended Three Day FDP on "Hands on Microcontroller and Embedded Systems" Conducted by CSE in Association with Advanced Electronics Systems(ALS), Bengaluru,, 20th to 22nd January 2020

Faculty Awards and Achievements:

- **Santoshkumar M**, Registered for Ph.D in Computer Science & Engineering VTU Belagavi, August 2019
- **Arun Kumar B T**, Registered for Ph.D in Computer Science & Engineering VTU Belagavi, August 2019
- **Maruthi S T**, Appreciation for spreading awareness and holding Software Training, 05 May 2019
- **Shivanna K**, Successfully Completed Open Seminar-1 & Open Seminar-2 of Ph.D Work, January 2020
- **Dr. Mouneshachari S**, Submitted AICTE-STTP Proposal on "Publication and Thesis Guidelines for upcoming Research Community using LATEX", January 2020
- **Santoshkumar M**, Submitted AICTE-STTP Proposal on "Research Avenues in Medical Dataset", January 2020
- **Dr. Mouneshachari S**, Submitted AICTE-Travel Grant Proposal, January 2020
- **Maruthi S T**, Bagged Appreciation from Spoken Tutorial Project, IIT Bombay, 2020



Faculty Publications:

Faculty Name	Title	Conference / Journal
Mr. Sandeepa G S	Recent survey on rate distortion optimization of HEVC & its scalable	2020 2nd International Conference on innovative mechanisms for industry applications (ICIMIA)
Dr. Sanjay Pande M B & Dr. Mouneshachari S	Indexing Intelligence using benchmark classifier	Indonesian Journal of Electrical Engineering and Computer Science (Scopus)
Mr. Shivanna K	Ensure Data Protection in Cloud Computing using ASCII based Encryption Technique	International Journal of Innovative Technology and Exploring Engineering (Scopus Indexed), August 2019, ISSN: 2278-3075, Vol.8, Issue.10

Student Achievements:

- Department of Computer Science & Engineering has bagged **2nd prize** in *College Ethnic event* held on 2nd November 2019.



- Two Teams** from the Department of CSE has been selected for *National Level IoT Challenge 2020* conducted by **Aakaar'20 IIT Bombay** in Association with i3indya Technologies.



- Shree Ganesh G J** of Final year has applied for the position of Research Intern India at Microsoft (screening process in progress), January 2020.

Placed Students:

Infosys:



Sujay K J



Asha K



Shriganesh G J

IBM:



Sharvani Ravindra



Divya I



Vanka Suharika



Shwetha M M

TCS:



Varshitha C R



Divya I



Shriganesh G J



Soumyashree

Wipro:

SLK Software:



Ojus Tuduvekar



Sushma Deshpande



Cognizant:



Ojus Tuduvekar



Nagaratna K



Oswal M J

Thasmai Automation:



Oswal M J



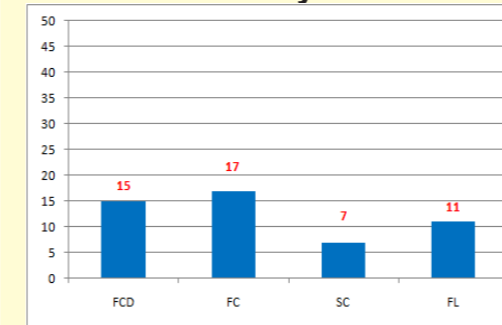
Rachana H B



Students' Corner

Result:

4th Semester - July 2019



Overall Result : **39/50 = 78.0%**



Nirmala A H
1st Topper



Bhoomika Bhat
2nd Topper

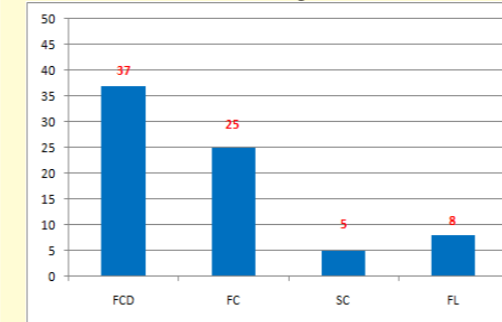


Roopa K J
2nd Topper



Anusha E M
3rd Topper

6th Semester - July 2019



Overall Result : **67/75 = 89.33%**



Shwetha M M
1st Topper

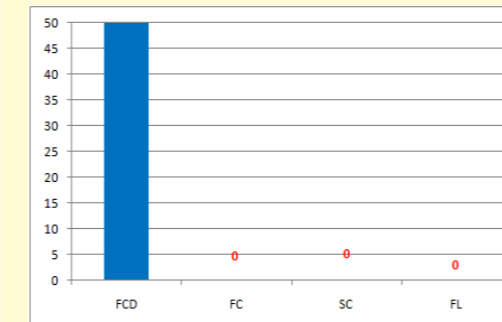


Divya I
2nd Topper



Asha K
3rd Topper

8th Semester - July 2019



Overall Result : **60/60=100%**



Megha S D
1st Topper



Anusha G V
2nd Topper



Anusha S B
3rd Topper



Anusha P
3rd Topper



Shobitha S
3rd Topper

Workshops

One day Workshop on "Explore the PC"



Four Day Workshop on "IoT Challenge 2020" 3rd to 6th November 2019



Two day hands-on "Python for Everyone and Everywhere" 7th and 8th November 2019



Three Day Workshop on "Ethical Hacking" 20th to 22nd September 2019



Two Day Workshop on "Web Application Development using PHP and MYSQL" 11th to 12th October 2019



Class Room Activities:

Roleplay: Santoshkumar M Data Structure



DBMS Case Study design using ER diagram: Kotreshi S N Database Management System



Mnemonics: Sushma S G Management and Entrepreneurship for IT Industry



Idea Presentation: Sushma S G Management and Entrepreneurship for IT Industry



Poster Presentation: Dr. Mouneshachari S Computer Networks



Poster Presentation: Arun Kumar B T Analog & Digital Electronics



Tower of Honai: Santoshkumar M Data Structure



Student Gallery:



Three Day FDP on "Hands-on Micro-controller and Embedded Systems" 20th to 22nd January 2020



Forum Activity: Anthakshari



Fun time

