FALCON 2017-18

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Dr.Sanjay Pande M B

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Maruthi S T

General Secretary

Tejaswini N

Vice President

Pavan U Pai

Treasurer

Mohan Patil

Forum Representatives

Aldrin Diaz

Rubina K

Karishma T

Darshan C H

Forum Representatives

Pavan S V

Anupashree

Lekhana M

Gauri N S

Vinay B

Department contact

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GM Institute of Technology
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Falcon Timelines

GMIT
DAVANGERE
CET Code: E114

GMIT, Davangere

With blessings of

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

HoD 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.

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.

Dr. P Prakash
Principal

I feel extremely happy to understand that computer Science & Engineering department of our Institution is bringing out its magazine **Falcon Timelines**. I understand that all the students have contributed for bringing out this magazine in an excellent format. the records like Academic achievements, sports achievements, extra curricular achievements of the students along with the career progress of the faculty or documented at regular intervals in the magazine. selected technical articles, research, authored by the students and faculty will impart a weightage to the Newsletter. I congratulate the editorial team and wish them Good luck in their future endeavours

Editorial Board

Program 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.

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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.

Placements

Year	PLACEMENT DATA			GRADUATION DATA		
	Number of Students Eligible	Number of Students Recruited	Percentage of Students Selected	Number of Students Admitted	Number of Students Graduate	Percentage of Students Graduated
2015-16	34	55 *	100%	75	72	96.0%
2016-17	30	25	83.33%			

Results From INCEPTION till Date [Semester-Wise]

BATCH	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH	EIGTH
2001 - 2002	76.0	73.9	65.0	70.0	70.0	87.5	94.7	100.0
2002 - 2003	75.5	92.4	76.4	52.7	42.3	40.0	75.0	100.0
2003 - 2004	71.2	61.0	44.2	54.0	54.0	81.4	80.3	100.0
2004 - 2005	68.9	50.2	48.0	30.4	53.8	64.1	86.2	94.1
2005 - 2006	61.7	71.7	68.2	68.2	68.0	59.1	96.8	94.0
2006 - 2007	82.0	83.6	45.0	76.8	58.4	70.0	84.2	89.7
2007 - 2008	86.9	86.9	67.6	79.0	79.4	86.7	85.9	94.2
2008 - 2009	96.0	96.0	80.3	77.6	90.7	100.0	80.5	94.0
2009 - 2010	75.0	84.0	57.8	79.3	69.6	88.0	86.7	98.5
2010 - 2011	87.2	64.4	55.7	62.3	76.6	93.3	87.9	100.0
2011 - 2012	84.0	80.0	78.5	69.3	88.4	94.8	91.0	97.4
2012 - 2013	88.5	70.5	68.8	59.7	74.0	92.1	88.3	94.8
2013 - 2014	64.9	86.0	67.6	75.7	85.7	90.4	93.1	96.5
2014 - 2015	40.3	41.9	67.1	53.2	91.0	71.0		
2015 - 2016	74.6	81.0	67.1	66.1				
2016 - 2017	83.9							

New Server added to department

Acer Rack Server Aw360/
Processor type Up to 2 x Intel® Xeon® E5-2600 v3 /
Chipset Intel® C612 chipset Graphics/ Integrated 2D video controller/
OS support Microsoft® Windows Server® 2012 R2

Cost : INR 253200.00

Acer Server Rack

Faculty Achievements

Date	Awards / Achievements	Faculty
01-12-2017	Infosys Bronze certificate was given recognizing the work done as a resource person in Infosys Campus Connect program	Kotreshi S N
01-12-2017	Infosys Bronze certificate was given recognizing the work done as a resource person in Infosys Campus Connect program	Santosh kumar M
17-05-2017	"Best Project" Award in Department Project Exhibition	Maruthi S T

Paper Publication by Faculties

Faculty Name	Title	Conference / Journal
Deepak D J	IoT Based Intelligent Poultry Management System Using Linux Embedded System (16/9/2017)	International Conference on Advances in Computing, Communications and Informatics (ICACCI) , Manipal Institute of Technology (MIT),Manipal, Karnataka, India
Dr Mouneshachari S	EEG Artifact Detection Model : A Landmark Based Approach (15/11/2017)	Springer Nature – Progress in Advanced Computing and Intelligent Systems

Faculties registered to Ph.D

Faculty Name	USN	Title	University
Mr. Sandeep G S	1RV17 PEA16	A Comparative study to Enhance the quality of Video streaming in social media applications using improved Transform Coding technique and Inter Layer Motion Prediction Technique.	VTU Belagavi

Faculties Completed Ph.D

Faculy Name	Title	Guide	University
Dr. Mouneshachari S	An Efficient Computing Model For the Qualification of Human Intelligence Index using EEG Analysis	**Dr. Sanjay Pande M B** Prof and Head Dept of CSE GMIT	Jain University Bangalore

Technical Articles (From Faculty & Students)

YouTube's new redesign project's codename is "Comic Panda". That's one more addition to the google surprise package with their new social network Google+ and additional changes to Google calendar and redesigns on Gmail. This news has been doing the rounds in the internet fraternity and online circles for quite some time now. In case you've missed it, here's the update in a nutshell.

YouTube has been quite a sore-eye in terms of user friendliness, with a clunky and rather cramped interface. This redesign project is going to change all of that, giving it a fresh and slick look with easy navigation options. Along with a new layout for videos and playlists, YouTube is also throwing in better editing tools.

YouTube has already started inviting users to test the experimental newly designed site and give their feedback. The new version of YouTube by paying a little visit to Cosmic panda and switch back to the classic version whenever you feel like.

The Pros and Cons of YouTube's Cosmic Panda

Pros:

- The look and feel is so much better than the classic version of YouTube.
- Playlists are always visible on the right panel and the organization is neat.
- The viewing experience is totally in your control. You can manually change the size of the video.
- Scrolling through videos of a selected channel is way easier now.
- The top right section gives you a quick view of your channel stats like upload views and subscribers

Cons:

- *Instead of the "Featured Video" showing up when a person visits your channel it's the most recent upload that's visible.*

Users of Google Chrome have the added advantage of moving between channels, videos and playlists. So you see, the +1's out do the -1's. In all, things look bright for this Panda, Cosmic or not !
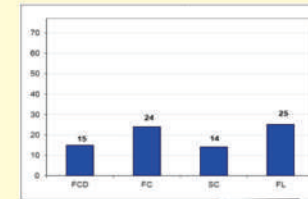
Mrs.G C DIVYA
Assistant professor
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I don't wake up at night to check my email. I automatically have it forwarded to the people in my dreams and they read it to me.

Students' Corner

Result:

3rd Semester - July 2017

Overall Result :
49/77 =66.2%

Soumyashree A P
3rd Topper

Shwetha M M
1st Topper

Mamata B B
2nd Topper

5th Semester - July 2017
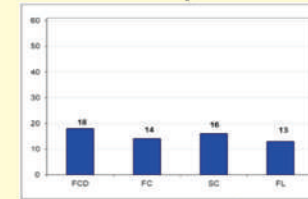
Overall Result :
48/61 = 78.6 %

Sandya S S
3rd Topper

Sournya S Yeli
1st Topper

Shobhitha S
2nd Topper

7th Semester - July 2017
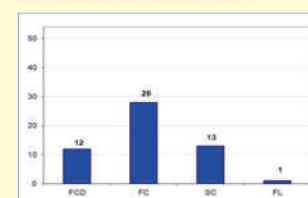
Overall Result :
54/55 = 98.1%

Rekha C
3rd Topper

A S Amshula
1st Topper

Sahana B
2nd Topper

Project Exhibition

Vice-principal, Principal & Chief Guest in student's project exhibition

Inaguaration by Prof. Veerappa B N, Chairman, Department of CSE, UBDTCE

KSCST funded projects

1. APPLICATION OF IMAGE PROCESSING TO DEVELOP AN ADVANCED EMOTION BASED MUSIC PLAYER (41S_BE_0282)

Guided by: **Mr. NIRANJAN MURTHY C**

by
ASHWINI MARUTI JANGALI
KAVYA S PATEL
KAVYA M P
REKHA C

INR 3000/-

2. ADAPTIVE DYNAMIC KEY GENERATION FOR SECURED COMMUNICATION IN WIRELESS MEDIUM (41S_BE_0283)

Guided by: Dr. SANJAY PANDE MB

by
GEETHA G L
HARSHITHA C P
KARISHMA TAJ
M B MONICA

INR 3000/-

3. SAVE FOOD (AN AUTOMATION TOOL TOWARDS WASTE MANAGEMENT) (41S_BE_0284)

Guided by: Dr. MOUNESHACHARI S

by
RUBINA KOWSER
CHANDANA PATIL
VIJAYALAKSHMI G
PASMITHA T A

INR 3000/-

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Workshops

One day Workshop on "NS-2 & Its Applications" 14th Aug 2017

She says the secret to her positivity lies in the simplest of things: gratitude for each and every simple pleasure of life — *Sudha Murty*

You need a commitment which is long term and a commitment to leadership, because that's the only way you build excellence.- **Azim Premji**

Forum Activities - FALCON

Facebook pages of FALCON

Event : Cheftactics

1st Prize:
Divya G B
Lekhana M

2nd Prize:
Megha V
Bindu K M

3rd Prize:
Sandhya K M
Tejaswini M K

Event : Fashio- News

1st Prize: Sakshi Patil, Spoorthi S, Priyanka S S, Varsha, Divya V S, Sahana, Sandhya

2nd Prize: Mamatha B, Nagarathna K, Padma G S, Nagaveni D M, Leelavathi R, Neha, Sushma

2nd Prize: Divya G B, Lekhana, Shravani, Tanushree S G, Usha, Soumya, Varshitha

3rd Prize: Shzaib Khan, Ojus V Tudvekar, Shashank, Dhruva, Bharath, Sujay, Suhas

Event : Pencilo Art

1st Prize:
Sinchana N

1st Prize:
Ananthram K

2nd Prize:
Tanushree R U

Event : Technical Quiz

Participants busy answering questions in the 1st round

1st Prize: Technical Quiz Event

2nd Prize: Technical Quiz Event

Event : Pick and Art

1st Prize: Sanchitha K P, Usha R S, Tanushree S G, Gauri R, Suharika V

2nd Prize: Meghana G P, Amitha B, Sirichanadana, Spoorthi S, Supriya R

Event : Pick and Art

Winners: Anusha S, Tanushree, Sahana, Rachana H B, Shwetha M
Runners: Nagalaxmi C A, Shreyanka S V, Anusha S V, Poornima B R

Faculty Corner

Faculty list

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

Mr. SUNIL KUMAR B S
B.E.,M.Tech.,M.I.S.T.E.
Associate Prof.
20 Years

MR. SANTOSH KUMAR M
B.E.,M.Tech.,M.I.S.T.E.
Asst. Professor
16 Years

Mr. MOUNESHACHARI S
B.E.,M.Tech.,M.I.S.T.E.
Asst. Professor
16 Years

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

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

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

Mr. NIRANJAN MURTHY C
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
09 Years

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

Mr. DEEPAK D J
B.E., M.Tech., M.I.S.T.E.
Asst. Professor
06 Years

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

Mrs. Divya G C
B.E., M.Tech.
Asst. Professor
01 Year

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

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

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

Mr. Veerabhadrappa
Diploma (CSE),
Instructor

Mr. Revanasiddappa
Diploma (CSE),
Instructor