



# St. Francis

College for Women  
Begumpet, Hyderabad-500016

(Autonomous & Affiliated to Osmania University)

## ACADEMIC YEAR 2018-19

### DEPARTMENT OF COMPUTER SCIENCE ANNUAL DEPARTMENT REPORT

#### Departmental Profile:

1. Dr.Sr.SujathaYeruva
2. Ms.Padmasree
3. Ms.B.Kavitha
4. Ms.D.B.Rekha
5. MsD.Sowjenya
6. Ms.B.Jyothi
7. Ms.Prabhmeet
8. Ms. Afeefa
9. Ms. Shobana
10. Ms. Savitri
11. Ms. Tabassum
12. Ms. A. Navya
13. Ms.P. Kalpana
14. Ms.P. Renuka
15. Ms.B. Vyshnavi
16. Ms. P. Rajeshwari
17. Ms.D.Swetha
18. Ms.Sudha
19. Ms.T.Mounika

#### Guest lectures conducted:

1. Guest lecture was was conducted on the topic: Networks in Mass Communication by Ms.B.Kavitha on September 2018

#### Events Conducted:

Academic year 2018-19 is very special to the department of Computer Science as it marks the celebrations of Pearl Jubilee (30 yrs) of UG and Vicennial Jubilee (20 yrs) of PG Computer Science courses. Under the able guidance of DrSrSujathaYeruva, newly appointed HoD for the academic year, department launched celebrations through series of "C@nnect".



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#### **1. C@nnect 1.0 (20th July 2018)**

On 20<sup>th</sup> July 2018, the Computer Science department of our college grandly inaugurated its Pearl Jubilee and Vicennial Jubilee. This memorable day was filled with events held in the CSC block. The mega event was named C@nnect 1.0

The joyous event started with a warm inaugural initiated by the Principal Dr. Sr. Sandra S Horta, the Vice Principal Dr. Sr. Sherly ED, and the correspondent SR. Alphonsa P Kunjuvareed, Head of the Department Dr. Sr. SujathaYeruva, Asst. HOD Ms. Sowjanya, PG coordinator Ms. Padmashree and Event coordinator Ms. Vyshnavi.

C@nnect 1.0 had the participation of students from UG, PG and faculty with 14 spectacular events making it a colourful event. The event ended with a valedictory session which had the presence of the honourable Principal, Vice Principal and Mallika Madam. The tremendous response of students from various streams made this event truly a mesmerizing one.

#### **2. C@nnect 1.1( 31<sup>st</sup> August -1<sup>st</sup> September 2018)**

Aiming to provide an intense training, on the trending fields in today's world of learning – IoT and Robotics, the department of computer science hosted C@nnect 1.1 two-day parallel workshops on August 31 to September 1, 2018 in association with KriyativeEdge, Hyderabad. Mr.Surya, Managing Director of Kriyative Edge and his team were the resource persons for the workshop. On this occasion our dynamic principal Sr.SandraHorta released this academic year's first edition of the bi-annual e- newsletter SFC-Bytes 2.1.

#### **3. ICT (23<sup>rd</sup> October 2018)**

On 23<sup>rd</sup> October 2018, the Department of Computer Science has organized faculty training Programme on File Management on cloud. The session started with introduction to the cloud followed by hands on experience. The Programme intends to develop the knowledge of participants on cloud storage which includes working with Google sheets and Google docs on the drive. The ICT was attended by 114 participants from faculty members of Arts, Commerce, Sciences and Management.



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#### **4. C@nnect1.2(20<sup>th</sup> and 21<sup>st</sup> December 2018)**

The department of computer science organized the event C@nnect 1.2 - a seminar on “Information Security” on 20<sup>th</sup> December 2018 and 21<sup>st</sup> December 2018.

M.Sc Computer Science and final year B.Sc Computer Science students attended the seminar on the first day. Second year B.Sc Computer Science students attended the same on the second day.

The resource person for the seminar was Mr.Subhash who is a young entrepreneur and co-founder of the organization Primeauth – a cyber security company headquartered in Hyderabad, with a mission to provide affordable cyber security solutions for the enterprises. The main theme of the seminar was importance of securing information on electronic devices especially while using the internet. It was an interactive session with inclusion of subject relevant fun activities, videos and a live demo. All aspects of information security like social engineering, tips to protect data on the internet, broken authentication, sensitive data exposure, broken access control etc were introduced to the students encouraging them to explore jobs in field of information security and ethical hacking.

On the second day of the event all first year B.Sc. Computer Science students were given a live demo on PC Assembly by our college network engineers Mr. Krishna Murthy and Mr.Shraavan. The girls learnt about the various hardware components of the computer system and their functionality.

On this occasion, department released this academic year’s second edition of the bi-annual e-newsletter “SFC-Bytes 2.2”. The 2 days were an enriching experience for the participants getting to know about the latest industry trends.



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#### **5. C@nnect 1.3 (28<sup>th</sup> February and 1<sup>st</sup> March 2019)**

A two day National Workshop on Quadcopter, was organized by the Department of Computer Science and Dept of Electronics, St. Francis College for Women in association with American Corner on 28th February and 1st March, 2019.

On the first day the inaugural program started with a prayer by Ms.Navya, Asst Professor, Dept of Computer Science, followed by the college song sung melodiously by the college choir.

The Chief guest for the inaugural was Ms. Padma Priya, Additional General Manager (SLRDC), Hindustan Aeronautical Limited, Hyderabad. Guest of honor for the inaugural was Mr.DrewGublin, Public Affairs Chief for the U.S Consulate General, Hyderabad, Telangana. Sr.SandraHorta, Principal, St.Franciscollege, declared the workshop open. The Vice- Principal Dr.Sr.Shirley, Correspondent Sr.Alphonsa K, graced the occasion with their presence. The Convener of the seminar Dr. SujathaYeruva and Organising Secretaries of the National workshop Dr.Shubha and Ms. Padmasree were also present.

Ms. Padma Priya addressed the gathering and highlighted the technologies involved in Unmanned Aerial Vehicles during the inaugural session. She explained how Unmanned Aerial Vehicle (UAV), popularly known as Drone, is operated remotely by a human operator or autonomously by an onboard computer. She also spoke about DRONE SWARM, where a collective group of UAV's achieve mission objectives through Coordinated flying, Mutual learning and communication.

The first session had a talk on Understanding rotary-wing aircraft and their Dynamics, delivered by Mr. Mr.Prabhas Raj from Skyfi Labs, Bangalore. Students were Introduced to the working of components like DC motors, electronic speed controllers, accelerometers, gyroscopes and Embedded control board used in quadcopter.

The second session was on exploring the design of Quadcopter. Students were given extensive information on how to select components for different applications in the design of a Multi Rotor Vehicle. The afternoon sessions, was on Fabrication of Quadcopter frame and its circuit. At the end of this session they assembled a model drone.

On the second day the session started was on Calibration and Testing of the developed Quadcopter delivered by Mr.Kaustab from Skyfi Labs. Students learned to program micro



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controller and were also introduced to embedded C. By the end of this session the students had their assembled drones ready to fly using various radio control systems. This workshop helped participants to understand in depth the concepts of Drone technology.

#### **Innovative methods of Teaching & Evaluation**

1. Teaching on black board & white board
2. LCD
3. Seminars
4. G.D.
5. Quiz
6. Open Book System
7. Skill Test
8. Mini Projects
9. Assignment
10. Games
11. Online exams
12. Presentations

#### **Students Activates / Achievements**

- Inter-college competitions attended / participated by students
- Inter-college competitions hosted by student
- Prizes Won in competition / other events



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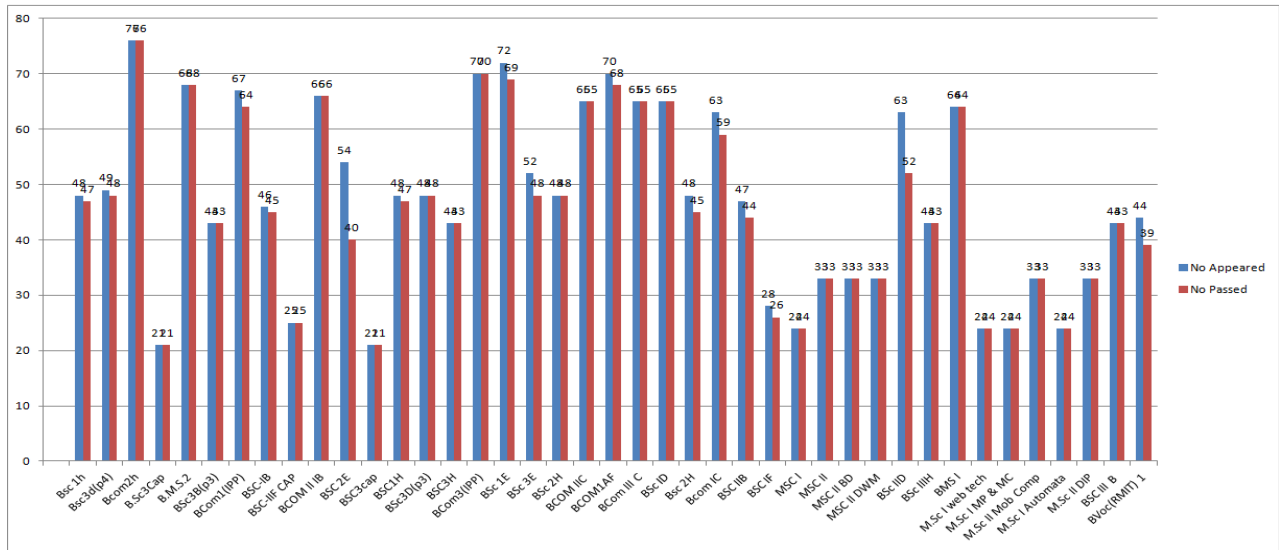
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**Results:**



**Social Outreach Program:**

UG students along with their class teachers visited various places of misfortune in month of Dec 2108 to extend their concern. They distributed goods and money as per their requirement. PG students went to poor school to extend their support in terms of teaching and learning.



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### Staff in committees:

SNo	Events/committee	Faculty	Responsibility
1	IT Admin	DrSrSujathaYeruva Ms. Afeefa Ms. Navya	Administration of the IT needs of the campus : Admissions, Regular / Event Attendance, Online Exams, Registration of OE/IDE/Projects/Add-on etc, Regular and due Fee payments, Feedback, Examination and results processing, leave management etc
2	TimeTable	Ms. Shobana Ms. Prabhmeet	Creation and updation of the timetable and the schedule
3	College Website	DrSrSujathaYeruva	Maintenance and updation of the college website as per the requirement
4	College FB Page	DrSrSujathaYeruva Ms. Tabassum	Updation of the events happening in the campus
5	AV Committee	Ms. B.Jyothi (Coordinator), Ms.B.Vyshnavi, Ms.S. Sudha, Ms.D.Swetha.	Taking care of the Audio, Video, Display boards, Computers(hardware & software), LCDs, Projectors, Public Addressing System etc.
6	Inter College Fest	Ms. Prabhmeet Ms.Shobana	Member Finance
7	Library	Ms.Sowjenya	Member
8	Remedial Instructions	Ms.Savitri	Member
9	Examination	Ms.Renuka	Member
10	Reporting All Events	Ms. Tabassum	Member
11	Magazine	Ms. Jyothi	Member