

St. JOSEPH'S COLLEGE OF ARTS AND SCIENCE FOR WOMEN

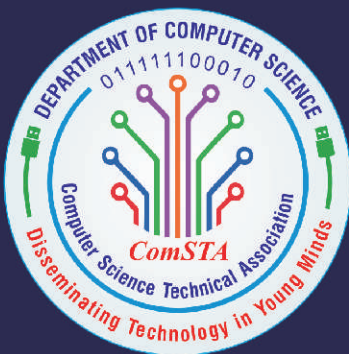
(Affiliated to Periyar University, Salem)

Mookandapalli, Hosur.



Department of Computer Science

HAND BOOK 2018-19





ABOUT THE COLLEGE

St. Joseph's College of Arts and Science for Women was established in the year 2006 with the motto "Knowledge Purifies and Charity Enhances". It is affiliated to Periyar University, Salem and managed by the FSPM Sisters, Coimbatore. We empower young women with knowledge, skills, holistic approach and enable them to face the present society. The college offers various UG, PG and Research courses with a strength of more than 2000 students. The study at St. Joseph's College will certainly fetch a joyful and memorable experience of escalation in the aesthetics of education and ethnicity provided by the multi-cultured and multi-faceted presence of faculty and students who are persistent with the quest for excellence in proficiency. Its quiet surroundings, comprising of architecturally designed buildings, playgrounds and lush greenery make it one of the most preferred destinations for the aspirants.

In today's era, the world anticipates a nourishing education. St. Joseph's College of Arts and Science for Women is a renowned educational family having the inclination to offer quality education to women. It carries a rich history, holding the pride of gaining a far-famed reputation under the Periyar University.

ABOUT THE DEPARTMENT

The department was established in the year 2006. We offer B.Sc [CS], B.C.A, M.Sc [CS] and M.Phil [CS] courses with 380 students. The department functions with highly qualified teaching staff to inculcate knowledge and make our students secure excellent results. The computing lab is well furnished with all the required softwares and peripherals as per Periyar University Syllabus. In accordance with our motto “Disseminating Technology in Young Minds”, we bestow the young women to attain technical excellence in the field of Computer Science and Technology. The department provides opportunities and infrastructures for workshops, technical seminars and hands-on training. We strive on imparting self-learning ability, leadership qualities, good career and placement opportunities for our students.

Motto

Disseminating Technology in Young Minds.

Vision

To endow young women to acquire specialized knowledge in Computer Science so to succeed in their profession, and contribute to society at large.

Mission

- ❖ Concentrate on the overall development of the students.
- ❖ To meet the challenges of industrial needs.
- ❖ Better the nation through research in science and technology of computing.

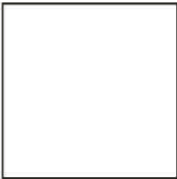
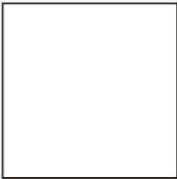

STAFF PROFILE

Sl. No.	DETAILS OF THE STAFF	
1.	Dr. Dhina Suresh, M. Sc., M.Phil., Head of the Department	
2.	Sr. Sagaya Mary James, M. Sc., M.Phil., M.B.A., B. Ed., Asst. Professor	
3.	Ms. S. I. AntoRamya, M.C.A., M. Phil., Asst. Professor	
4.	Ms. S. Bobby, M. Sc., M. Phil., Asst. Professor	
5.	Ms. S. Zindhu, M.C.A., M. Phil., Asst. Professor	
6.	Ms. G. AmalRedge M.C.A., M. Phil., Asst. Professor	

STAFF PROFILE

Sl. No.	DETAILS OF THE STAFF	
7.	Ms. G. Aswini, M.Sc., M.Phil., B.Ed Asst. Professor	
8.	Ms. P. Jayanthi, M.Sc., M.Phil., Asst. Professor	
9.	Ms. I. AnushaPrem, M.Sc., M.Phil., Asst. Professor	
10.	Ms. V. Niranjana, M.C.A., M. Phil., Asst. Professor	
11.	Ms. N. Mageswari, M.Sc., M.Phil., Asst. Professor	
12.	Ms. M. Suguna, M.C.A., M.Phil., Asst. Professor	

STAFF PROFILE

Sl. No.	DETAILS OF THE STAFF	
13.	Ms. M.Geethanjali, M.Sc., M.Phil., B.Ed Asst. Professor	
14.	Sr. Valanrani, M. Sc., M.Phil., Asst. Professor	
15.	Ms. M. Logeswari, M. Sc., M.Phil., Asst. Professor	

COURSES OFFERED IN THE DEPARTMENT

B.Sc., (Computer Science)

Allied	Elective	SBEC	NMEC	Eligibility for Admission
<ul style="list-style-type: none"> • Allied Statistics – I • Allied Statistics – II • Principles of Accounting • Cost and Management Accounting 	<ul style="list-style-type: none"> • Elective – I Multimedia • Elective – II Web Technologies • Management • Elective- III Internet working with TCP /IP 	<ul style="list-style-type: none"> • SBEC- I System administration and maintenance • SBEC- II Internet and its Applications • SBEC- III Shell Programmin • SBEC- IV Multi Skill Development • SBEC- V Image Editing Tool • SBEC- VI PHP Scripting Language 	<ul style="list-style-type: none"> • Principles of Management • Human Resource Management 	+2 with Mathematics (or) Business Mathematics (or) Computer Science (or) Statistics

B.C.A., (Basic Computer Applications)

Allied	Elective	SBEC	NMEC	Eligibility for Admission
<ul style="list-style-type: none"> Allied Statistics – I Allied Statistics – II Principles of Accounting Cost and Management Accounting 	<ul style="list-style-type: none"> Elective – I E Commerce Technologies Elective- II Multimedia Elective- III Image Processing 	<ul style="list-style-type: none"> SBEC I Internet and its Applications SBEC II HTML and JAVA Script SBEC III Image Editing Tool SBEC IV Multi Skill Development SBEC V Android Programming SBEC VI Shell Programming 	<ul style="list-style-type: none"> Principles of Management Human Resource Management 	+2 with Mathematics (or) Business Mathematics (or) Computer Science (or) Statistics

M.Sc., (Computer Science)

Allied	Elective	SBEC	NMEC	Eligibility for Admission
<ul style="list-style-type: none"> Business Communication (Extra Discipline Course) 	<ul style="list-style-type: none"> Elective-I E-Technologies 	<ul style="list-style-type: none"> Human Rights (Common for all PG) 	-	<ul style="list-style-type: none"> BCA., B.Sc(CS), B.Sc(IS) B.Sc(IT), B.Sc(CT)

M.Phil., (Computer Science)

Allied	Elective	SBEC	NMEC	Eligibility for Admission
<ul style="list-style-type: none"> Research Methodology Advanced Computing Techniques Specialization Course, Dissertation and Viva Voce 	-	-	-	<ul style="list-style-type: none"> M.Sc(CS) MCA or Any PG with Computer Major

LABORATORY FACILITIES

The department has good Computer Laboratories equipped with 3 servers and 186 nodes. To ensure continues usability of computers to the students, all the computers have a power backup with uninterrupted power supply (UPS) up to 5 hours. Essential licensed software is provided to all systems to support the academic and University curriculum. The details of the la are as follows:

S.No	Name of the equipment	Quantity
Mary's Block Computer Lab		
1	Servers	2
2	Systems	129
3	LAN facility	All systems
4	Internet Connections	All Systems
5	UPS Facility	3 Inverters (10KVA, 10KVA ,7.5 VKA)
6	Printers	2
7	LCD Projector	5
Joseph's Block Computer Lab		
1	Servers	1
2	Systems	57
3	LAN facility	All systems
4	UPS Facility	1 Inverter (15KVA)

AUDIO VISUAL AID

The department is equipped with projectors and audio visual aids in two rooms for providing interactive teachings. One of the classroom is also equipped with projector display for providing audio visual aided teaching.

SEMINARS/WORKSHOPS/COURSES

Seminars and workshops provide latest information about the things which are happening in science and technology. Students cannot improve their knowledge from textbooks alone. They must be take part in various seminars on latest topics. Our department has conducted seminars and workshops on

The following are the details of the seminars and workshops conducted in the academic year 2017-2018.

#	Date	Topic	Resource Person	Beneficiary
1	1.8.17	Enlightening E - Commerce Entrepreneurship with Amazon	Mr.G.SaravanaRajan&Mr.Rajagopal DHS – Solutions Banglore.	Our Dept Students
2	3.8.17	HTML and Web designing	Dr.BeulahSoundarbai Professor, Christ University, Banglore.	45 students
3	24.8.17	R-Programming	Mrs.Aswini.G& Mrs.Mageshwari.N	47 Students
4	24.1.18	Cyber security & Prevention	Mr. VibinChandar	Our Dept. 2 nd and 3 rd year Students

The following are the details of the seminars and workshops conducted in the academic year 2018-2019.

On 18th July, a workshop on “Let her Code” was conducted by Dr. Shaleema M.Sc. M.Phil, Christ University Bangalore. All the students of our department participated in the workshop.

Our department PG final year students attended a workshop on “Machine Learning” on 29th November 2018 at JothiNivas College, Bangalore.

Our department staff Mrs. Ashwini, Mrs. Mageswari conducted a certificate course on “R programming” (theory and practical) for final year from 12th to 14th December 2018. 14 students participated and benefitted from this course.



On 31st January, Our department staff Mrs. Zindhu attended “Web Training program on URKUND anti-Plagiarism” at MGR college, Hosur.

CONFERENCES

Conferences will provide a unique forum for the practitioners, developers and users to exchange ideas, present their observations, models, results experiences with the researchers who are involved in real-time projects that provide solutions for research problems of recent advancements in Information Computing Technologies.

Our department has conducted two national level conferences on “Prominent Challenges in Information Technology” (NCPCIT-18) in the previous years.

On 18th September 2018, Our department conducted National Conference on “Prominent Challenges in Information Technology” (NCPCIT-18). Mrs. Rose Abraham, Scientist, F, LRDE, DRDO, Bangalore was the chief guest of the conference.



The Session Chairs were:



Dr. D. SanthiJeslet,
HOD - M.G.R.Arts and
Science College, Hosur.



Dr. M. Lilly Florence,
Professor, Dept. of CSE,
Adhiyamaan College of
Engineering-Hosur.



Dr.P. Beaulah Soundarabai,
Associate Professor,
CHRIST University,
Bengaluru

We received 60 Papers and 31 papers were presented on the day of conference.

This conference was a high-quality dissemination forum for new ideas, technology focus, research results and discussions on the evolution of computing for the benefit of both scientific and industrial developments.



COMSTA ASSOCIATION INAUGURATION

On 18th July 2018, our department's Inaugural function ComSTA'18 was organized. The Chief Guest of the day was Dr. Shaleema., M.Sc. M.Phil, Christ University Bangalore.



As a part of the association inauguration paper presentation was conducted for the students of our on 16th July 2018. Students participated in the presentation with enthusiasm. 23 pairs of students participated and presented papers on various topics. Among these three best presentations were chosen and awarded on the day of association inaugural. The details of the best presentations are as follows:

Class	Name	Topic
II BCA	Manisha.K&Tejaswini.K	Night Vision
III BCA	Shri Vidhya.R&G.Pavithra	Humanoid Robots
III BCA	Anusha Raman &Jeevitha.S	Big Data

On 8th& 9th January 2019, our department conduct Inter-Departmental Competition 'COALESE-19'. The students from other department participated.The following events were conducted.

- Techno Race
- Boom Bazaar
- Star of ComSTA
- Techie Talk
- Quisiling
- Movie Making



Students from all the departments participated with enthusiasm and the winners were awarded. These competitions have helped to improve the knowledge, skills, relationship and cooperation among the students from different departments.

INDUCTION PROGRAMME

The main purpose of Student Induction Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

The first year students were welcomed by the senior students with a grand fresher's day celebration. The first year students were then given introduction about the department and rules and regulations of the college by the respective class in-charges. The students went around the campus to get familiar with the campus.

As a part of induction programme bridge courses and value added courses were conducted to the first year students.

On 10th July 2018 our department staff conducted Bridge course to other department students on the topics "E-Mail Creation, and MS-Word".



On 11th July 2018, our department staff conducted Value Added course for our department first year students on the topics "E-Mail Creation and Hardware components".



On 23rd July 2018, staffs from the department of mathematics organized Bridge Course for our department first year students. The Commerce department conducted Bridge to our department second year students from 16th August 2018.

COMSTA ACTIVITIES

Our department staff members Mrs. AnushaPrem, Mrs. Jayanthi, Mrs. Ashwini, Mrs. Maheswari, Mrs. Geethanjali and Mrs. Suguna went to Government Girls High School, Hosur and handled classes for XI students from 25th June 2018 to 27th June 2018. The topics handled were "Introduction to Computers, Computer Organization and Operating System".



On 19th July 2018, 115 student from government school, Hosur came to our college for a Hands on Session in computer lab. Our department staff members with the help of the final year students handled C++ practical classes for them.



GNOSIS ACTIVITIES

VISION

GNOSIS inspires positive action and helps create an environment of love respect and cooperation in society.

MISSION

- ❖ To encourage the marginalized sectors of society.
- ❖ To proliferate the food with mortal by providing relevant and responsive programs.
- ❖ The activities of the GNOSIS club for the academic year 2018-2019 are as follows:

On 4th October, our department staff and final year students went to Government Pallavadischool, Mookondapalli. They taught Story and Rhymes and distributed snacks to the children.



On 7th December 2018, 75 students from our department with 10 staff members went to celebrate Christmas at government school (Physically Challenged), Hosur.





Our department collects feedback from all the students about the teaching staff on all the subjects in written form. This helps in finding the difficulties of the students and provides a way to improve the teaching methods of the staff members.

PLACEMENT

Placement Cell caters to the needs of employment opportunities for all outgoing students. The students receive training through general awareness programs, soft skill training, and personality development and communication skills. We are increasing the placements with the following inputs:

- Personality Development.
- Aptitude Test.
- Positive attitude and self-confidence.
- Self-motivation and dress code.
- Group Discussion.
- Interview skills.
- Resume preparation.
- Mock Interviews.

Students attended job fairs and interviews conducted by various companies. The following are the details of the candidate who got placed in different organizations:

S.No	Name of the Company/ organization	Number of students placed
1	Sarathi Groups	1
2	I Marque Solutions Pvt Ltd	7
3	MS software Solutions	8
4	Digipact	14
5	Wipro	1

REMRKABLE ACHIEVEMETS OF STUDENTS

P. Veena of B. Sc (Computer Science) of 2016 – 19 batch secured the university rank - Third Place.

On 24th August 2018, 13 final year students from Our department attended various events at Uthangarai, Adhiyaman College of Arts and Science for Women and 11 members won the prizes.

On 5th October 2018, H. Hajira of II BCA got first place in Chess competition organized by AVS arts and science college, Salem.

On 19th September 2018, our department final year students attended various events at PMC engineering college, Hosur and won prizes.