



BON SECOURS COLLEGE FOR WOMEN

Nationally Accredited with 'A' Grade by NAAC
UGC Recognized 2(f) & 12(B) Institution
Affiliated to Bharathidasan University, Trichy.
Vilar Bypass, Thanjavur



NOVEMBER 2018

DEPARTMENT OF COMPUTER APPLICATIONS

“Computer Applications is the knowledge of Abstraction - Creating the Correct reproduction intended for a problem and devising the right mechanizable techniques to solve it”

The Department of Computer Applications has been functioning in the college since 2004. The department strives for strengthening the students to build a prosperous society. We started department Association in the name of **BIOS** in the college since 2004 and renamed as **BIOS CA**. It also contributes to the IT fields by conducting conference, lectures and workshop most frequently. The department has earned their reputation for academic excellence by securing ranks in the university and also our students got placement in the various companies. At present we have strength of 356 students. We have a good team of faculty members dedicated to the cause of higher education.

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CURRICULAR ASPECTS:

- New version of **Bon SMS software** was developed for sending message regarding students CIA performance to their parent.
- Introduced add-on course as Internet of Things for the final year students.



RESULT & RANK HOLDERS:

- 99 % of result was produced in this year.
- Eight students secured University Ranks.



Ms. A.SUMAIYABANU

2nd Rank



Ms. S.MONIKA

9th Rank



Ms. U.S.ASWINI

10th Rank



Ms. H.SALHA

11th Rank



Ms. B.SUGANYA

12th Rank



Ms. S. PRIYANKA

19th Rank



Ms. K.KOWSALYA

19th Rank



Ms. A.MONIKA SELES

19th Rank

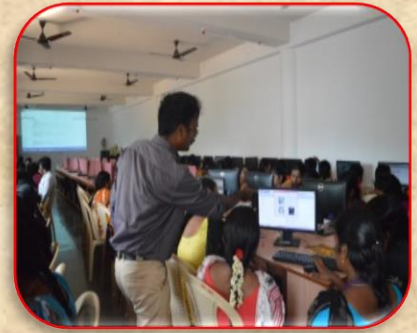
STUDENT INDUCTION PROGRAMME:

- The department organized Student Induction Programme from 19.06.2018 to 20.06.2018. In this programme, we could be identified the area of Strength and Weakness of the students by conducting different modules. On 21.06.2018 we have conducted the entry level test; through that test we could be known the level of student's knowledge.

WORKSHOP, SEMINAR, SKILL DEVELOPMENT PROGRAMME AND FDP:

WORKSHOPS:

- The department organized two days National Level Workshop on “**Modeling, Simulation and Implementation using MATLAB**” on 31.08.2018 and 01.09.2018. Mr. V. Karthikeyan, Managing Director, Sigpro Technologies, Coimbatore, was the resource person.



Totally, 109 participants were attended.

- On 16th October 2018, our department organized Workshop on “**Data Structures using C**”. Mr.M.Ramesh, Assistant Professor, Department of Computer Science, EnathiRajappa College of Arts & Science, Pattukottai, was the resource person. Totally, 112 students are benefited in this workshop.



SKILL DEVELOPMENT PROGRAMME:

- Skill Development Programme on “**Photoshop**” for final year students was conducted on 29.09.2018. The resource person is Mr.Arunkumar, Photoshop Designer, ISYSWAY Technologies, Thanjavur.



FACULTY DEVELOPMENT PROGRAMME:

- On 9th November 2018, our department organized a Faculty Development Programme on “**Internet and Multimedia Technologies**“. Mr.V.Rajkumar, Managing Director, Step InfoTech, Thanjavur, has engaged the session. Totally, 30 faculties from various institutions were attended.

FDP&WORKSHOP ATTENDED BY FACULTY MEMBERS:

- Ms.M.JancyPriya, Asst. Prof. of CA, has attended “**Orientation Workshop on SWAYAM**” at Dept. of Library & Information Science and UGC - HRDC, Bharathidasan University, Trichy, held on 29.06.2018.

- Ms. R. Sathya, Ms. N. Ruba, Asst. Professors of CA, have attended FDP on “**Research Tools**”,organized by Bon Secours College for Women, Thanjavur, held on 04.09.2018.
- Ms. M. Florence Dayana, Ms. V. Santhi, , Ms. S. Jamuna, Asst. Professors of CA, have attended FDP on “**Enhancing Teaching and Research Capabilities**”,organized by PG & Research Department of Commerce, Bon Secours College for Women, Thanjavur, held on 06.09.2018.
- Ms.M.Florence Dayana, Head of CA, has attended Indian Academic Research Association Sponsored One Day Workshop on “**Research Progress and Development**”, conducted by Bon Secours College for Women, Thanjavur from 24.10.2018 to 31.10.2018.
- Ms. S. Manimozhi, Ms. J. Anne Shirley, Ms. D. Saritha, Ms. P. Nivetha, Asst. Professors of CA, have attended Faculty Development Programme on “**Moodle Learning Management System**”, organized by Bon Secours College for Women, Thanjavur on 16.11.2018.

AWARDS:

- Ms. M.Florence Dayana,Head of CA, was awarded with **Best Teacher Award** from Inner Wheel Club of Thanjavur on 22.09.2018.



RESEARCH ACHIEVEMENTS:

- Student Project Proposal was sent on 28.08.2018 to TNSCST under the topic “**Smart online verification for registered medicine**”. This Proposal was sanctioned by Tamil Nadu Government and an amount of Rs.7500.00 was received.
- Research project proposal was sent on 28.08.2018 to StepInfotech Technologies, Thanjavur under the topic “**Similarity Identification Algorithm for the cloud**”. This proposal was sanctioned by StepInfotech Technologies, Thanjavur and an amount Rs. 15,000.00 was received.

EDUCATIONAL TOUR:

- Student’s tour was arranged from 10.10.2018 to 12.10.2018 to “**Bangalore**” with 72 students and 4 staff members.



STUDENT ACHIEVEMENTS:

- ❖ Ms. G. Keerthana of III BCA 'A' and her team won the volley ball match conducted by Bon Secours College for Women, Thanjavur on 28.07.2018.
- ❖ Ms. M.A. Aashimashirin of I BCA 'A' won the Badminton match conducted by Bon Secours College for Women, Thanjavur on 28.07.2018.
- ❖ Ms. C. Shanmugapriya and Ms. S. Varsha of II BCA 'B' won third prize in the Multimedia & Animation event and Debugging event respectively in **Xplode'18** conducted by Auxilium College of Arts & science, Thanjavur on 01.09.2018. Our department students won the **overall championship** in Xplode'18 conducted by Auxilium College of Arts & science, Thanjavur on 01.09.2018.
- ❖ Ms. M. Karthika and Ms. A.K. Nabisha Thaslima of III BCA 'A' participated in **Extravaganza'18** and won first prize in the Hook-up event conducted by Rabiammal Ahamed Maideen College, Tiruvarur on 06.09.2018.
- ❖ Ms. K. Sonaa and Ms. J. Gayathridevi of III BCA participated in STET COMPUTERA-2K18 and presented a paper in Grid Computing organized by STET Women's College, Mannargudi on 14.08.2018.
- ❖ Ms. T. Varthini Devi of III BCA 'B' and Ms. K. Sonaa of II BCA 'B' participated in **Smash'18** and won second prize in the Cod-Reflex event conducted by Khadir Mohideen College, Adhirampattinam on 08.09.2018.
- ❖ Our department students won the **overall runner** in Smash'18 conducted by Khadir Mohideen College, Adhirampattinam on 08.09.2018.



FACULTY ACHIEVEMENTS:

- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has conducted a **“Workshop on ‘R’ Programming”**, organized by Department of Computer Applications, EnathiRajappa Arts and Science College, Pattukkottai, held on 09.11.2018.

EXTENSION PROGRAMME:

- Our department was conducted an extension activity on **“Role of smart phone in learning practice”** at Mother Teresa AnbuIllam, Madhakottai, Thanjavur on 10.09.2018. Ms. M.JancyPriya and Ms. S.Manimozhi, Asst. Professors of CA were delivered the lecture.
- Computer Literacy Programme Level – IV was conducted under the topic **“Introduction to HTML”** to Orphanage Students, Mother Teresa AnbuIllam, Madhakottai, Thanjavur from 08.10.2018 to 26.10.2018. Ms. D. Saritha and Ms. R. Gomathi Jayam, Assistant Professors of CA have engaged the sessions.

MOUS SIGNED:

- Signed MoU between **Department of Computer Applications, Bon Secours College for Women and PG & Research Department of Computer Science, Annai Vailankanni Arts and Science College, Thanjavur** on 12.10.2018 for exchanging faculties and students and for collaborative programs.
- Signed MoU between **Department of Computer Applications, Bon Secours College for Women and ITTOS Photography, Thanjavur** on 16.07.2018 for offering internship training to the students.
- Signed MoU between **Department of Computer Applications, Bon Secours College for Women and Shenll Technology Solutions (P) Ltd., Chennai** on 29.10.2018 for offering internship training to the students.



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MARCH 2019

DEPARTMENT OF COMPUTER APPLICATIONS

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The Department of Computer Applications has been functioning in the college since 2004. The department strives for strengthening the students to build a prosperous society. We started department Association in the name of **BIOS** in the college since 2004. It also contributes to the IT fields by conducting conference, lectures and workshop most frequently. The department has earned their reputation for academic excellence by securing ranks in the university and also our students got placement in the various companies. At present we have strength of 356 students. We have a good team of faculty members dedicated to the cause of higher education.

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| ❖ Gender Sensitization Programme | |

MOUS SIGNED:

- Signed MOU between **Department of Computer Applications, Bon Secours College for Women and Sky Tech Solution, Thanjavur** on 10.12.2018 for exchanging faculties and students and for collaborative programs.

INTERNATIONAL SEMINAR:

On 12th February 2019, International Seminar on “**Advanced Learning Technologies**” was organized by the Computer Applications department.



- **Technical Session1:** Mr. Jenicks Wilis, Program Manager, TCS, USA handled a session on the topic “Big Data Analytics and IOT”.
- **Technical Session2:** Mr. B. Thangapandian, CEO-Certify TN, Certiport Global Division, Chennai, has delivered a lecture on the topic “IPR relevant to Science”.
- **Technical Session3:** Dr. V. R. Sasikumar, Principal SNM Institute of Management and Technology, Ernakulam, Kerala gave talk on “Image processing and its Applications”.
- Totally, 269 participants were attended which included the Faculties and Research Scholars of various institutions.

TRAINING PROGRAMME:

- **Microsoft Training Programme for Students** was conducted from 04.08.2018 to 15.04.2019. Totally, 630 students from various departments of our college were attended and got certificate.

FACULTY DEVELOPMENT PROGRAMME:

- Faculty Development Programme was held on 10.01.2019 in the topic “**E-Content Development**”. Dr.A.Shaik Abdul Khadir, Head, Department of Computer Science, KhadirMohideen College, Adirampattinam, was the resource person, 29 faculties from various institutions were attended.

INTERNSHIP PROGRAMME:

- In order to promote the learning process and enhancing a practical skill of students, our department was arranged **Internship Programme** from 10.12.2018 to 10.01.2019. Totally 124 students of II BCA were attended and benefited. The following industries were offered the training to our students.
 - Wireless Networks – **Step Infotech Technologies, Thanjavur.**
 - I/O Management in C – **Golden Net Computers, Trichy.**
 - Standard Template Library – **HARI Infotech, Thanjavur.**
 - Java Swings - **NRP Technologies, Mannargudi.**
 - Device Management in Operating System – **Radar Technologies, Chennai.**

FIELD WORK:

- The Department of Computer Applications arranged field work to the course “**Environmental studies**” as it mandatory to attain experimental learning in ecosystem. This field visit was done from **07.02.2019 to 07.03.2019**, in order to make the student learn about biodiversity and its conservation. During this period, the students have visited at Sadaiyar Koil and herbal garden in the college campus. Totally, 120 students of I BCA were attended and benefitted.



ENDOWMENT LECTURE:

- On 26th March 2019, BIOS CA Endowment Lecture on “**Cloud Security**” was organized for our final year students. Ms. P.N. Suguna, Asst. Professor, Department of Information Technology, AnnaiVailankanni Arts & Science College, Thanjavur, has delivered the lecture.

TALENT HUNT:

- On 30th March 2019, Intra Department Competitions Talent Hunt’19 was conducted for our students and they got a chance to expose their talents. It comprised with technical and non-technical events. Totally, 82 students were participated and won prizes.

GENDER SENSITIZATION PROGRAMME:

- Department of Computer Applications organized **Gender Sensitization Programme on Mobile Games: Social Interaction and Isolation** on 13.02.2019. Dr.S.Albert Rabara, Associate Professor, Dept. of Computer Science, St.Joseph’s College, Trichy, was the resource person. In this lecture, 112 final year students were participated.

FDP & WORKSHOP ATTENDED BY FACULTY MEMBERS:

- Ms. R. Gomathijayam, has participated a Faculty Development Programme on “**Promotion of API Score and CAS Filing**”, sponsored by Tamil Nadu State Council for Higher Education organized by Training and Placement Cell & IQAC, Periyar E.V.R. College (Autonomous), Trichy, held on 09.01.2019.
- Ms.M.Florence Dayana, Head of CA, has attended Workshop on “**Research Opportunities in Data Science**”, conducted by Annai College of Arts& Science, Kumbakonam on 25.01.2019.

- Ms.M.Jancypriya, Asst. Prof. of CA, has attended National Seminar on “**Best Practices of Top NAAC Accredited Institutions**” at Department of Physics, Annamalai University & NAAC Bangalore, Chidambaram, held on 30.01.2019& 31.01.2019.



- Ms. R. Sathya, Asst. Prof. of CA, has attended Orientation Programme on “**E-Content Development and Smart Remedial Practices**”, conducted from 23.02.2019 to 25.02.2019 at Bon Secours College for Women, Thanjavur.

AWARDS:

- Ms. M.Florence Dayana, Head of CA, was awarded with **Best Teacher Award** from Inner Wheel Club of Thanjavur on 22.09.2018.
- Ms. M. Florence Dayana, Head of CA, got **Best Training Co-ordinator Award** from MACS Academy, Microsoft Training Division, and Chennai on 12.02.2019.
- Ms. M.Florence Dayana, Head of CA, won **Star Performer of the Year 2018 Award** from MACS Academy, Microsoft Training Division, and Chennai on 12.02.2019.
- Ms. M. Jancypriya, Asst. Prof. of CA, won **Star Performer of the Year 2018 Award** from MACS Academy, Microsoft Training Division, and Chennai on 12.02.2019.



Our department received “**Outstanding Community Service Award**” in recognition of continued service for the Student Community as an Extension Activity for Computer Literacy Programme from Mother Teresa Foundation, Madhakottai, Thanjavur.

- Our department received “**Microsoft Digital Literacy Award**” for reaching out digital literacy to rural learners from MACS Academy, Microsoft Training Division, and Chennai.



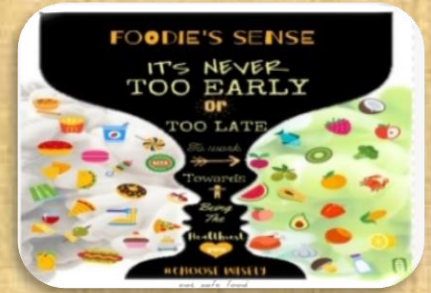
STUDENT ACHIEVEMENTS:

- ❖ Ms. M.A.Aashima Shirin of I BCA ‘A’ participated in National Level Eat Right Creativity Challenge organized by **Food Safety and Standard Authority of India (FSSAI)**, New Delhi, and secured second place (National Level Category2) in Digital Poster event and was awarded



with a medal and a cash prize worth of rupees 10,000 in the grand prize awarding ceremony held at New Delhi on 29.01.2019.

- ❖ Ms. C.Janani Bharathi of II BCA 'A' and Ms. S.Sameera Banu of II BCA 'B' won second prize in Poster making & Elocution respectively in the events conducted by Bon Secours College for Women on 04.02.2019.
- ❖ Ms. R.Sneha Krishnan of I BCA 'B' has won second prize in paper presentation in the Breast Cancer A Life Style among Young Women conducted by Bon Secours College for Women on 04.02.2019.



CARRER ACHIEVEMENTS:

- Sixty seven students of our department got “**PLACEMENT**” from various companies through on campus.

FACULTY ACHIEVEMENTS:

- Ms. S. Manimozhi, Asst. Prof. of CA, has conducted a “**Workshop on ASP.NET**”, organized by Department of Information Technology, AnnaiVailankanni Arts & Science College, Thanjavur, held on 18.01.2019.
- Ms. V. Santhi, Asst. Prof. of CA, was appointed as syllabus setter for “**Java Programming Course**”, offered by Scion Research & Development, Thanjavur.

PUBLICATIONS:

- Ms.M.Florence Dayana, Head of CA, has published a paper entitled “**Ontology based searching techniques in web environment**”, IJSRR,8(1) Jan. – March 2019, Journal with ISSN NO: 2279-0543.
- Ms.M.Florence Dayana, Head of CA, has published a paper entitled “**An efficient way of relevant data extraction in web content**”, (IJCMS)UGC No: 64718, Journal with ISSN NO: 2347-2693.
- Ms.M.Florence Dayana, Head of CA, has published a paper entitled “**Automatic Railway Gate Control System using RFID**”, IJSRCSEIT, Volume-5, Issue-1, Journal with ISSN NO: 2456-3307, PP-303-306.
- Ms.M.Florence Dayana, Head of CA, has published a paper entitled “**E-tax Information System**”, IJSRCSEIT, Volume-5, Issue-1, Journal with ISSN NO: 2456-3307, PP-289-291.

- Ms.M.Florence Dayana, Head of CA, has published a paper entitled “**Vehicle accident prevention using Eye blink sensor**”, JETIR March 2019, Volume-6, Issue-3,Journal with ISSN NO: 2349-5162, PP-361-365.
- Ms.V.Santhi, Assistant Professor, has published a paper entitled “**Reversible Data hiding in Homomorphic Encrypted Domain by monitoring Ciphertext Group**”, IJSRCSEIT, Volume-5, Issue-1,Journal with ISSN NO: 2456-3307, PP-303-306.
- Ms.V.Santhi, Assistant Professor, has published a paper entitled “**Adblock Usage in Web Advertisement**”, IJSRCSEIT, Volume-5, Issue-1,Journal with ISSN NO: 2456-3307, PP-404-408.
- Ms. V. Santhi, Asst. prof. of CA, has published a paper entitled “**Security Issues of Web Oriented Cloud to Solve the Problem**”, in the International Conference on Advanced Trends in Communication & Technology (**ICATCT’19**) on 22nd and 23rd organized by Vivekanandha College of Art and Sciences for Women.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has published a paper entitled “**Accessing network using secure android applications**”, IJSRCSEIT, Volume-5, Issue-1,Jan.–Feb. 2019, ISSN: 2456-3307, PP. 438 – 442.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has published a paper entitled “**Medical product verify and complaint management system for NGO’s**”, IJSRCSEIT-2019, Volume-5, Issue-1,Jan.–Feb. 2019, ISSN: 2456-3307, PP. 322 – 326.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has published a paper entitled “**Voice based information sharing system for visually impaired people**”, IJSRCSEIT-2019, Volume-5, Issue-1,Jan.–Feb. 2019, ISSN: 2456-3307, PP. 296 – 298.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has published a paper entitled “**Cloud based exploration and precision detection in Big data**”, JETIR, Volume-6, Issue-3, March-2019, ISSN: 2349-5162, PP. 293 – 299.

ACADEMIC PROFICIENCY:

- Ms.M.JancyPriya, Ms.R.Gomathi Jayam, Ms.D.Saritha and Ms.S.Manimozhi, Assistant Professors of CA, have produced **Centum Result** during the academic year 2018-2019.

CONCLUSION:

As the nature of computer technologies has a never-ending cycle of innovation rooted in it, the focus is on increasing the standard of the teaching and learning to gain importance in research and academics.