BON SECOURS COLLEGE FOR WOMEN
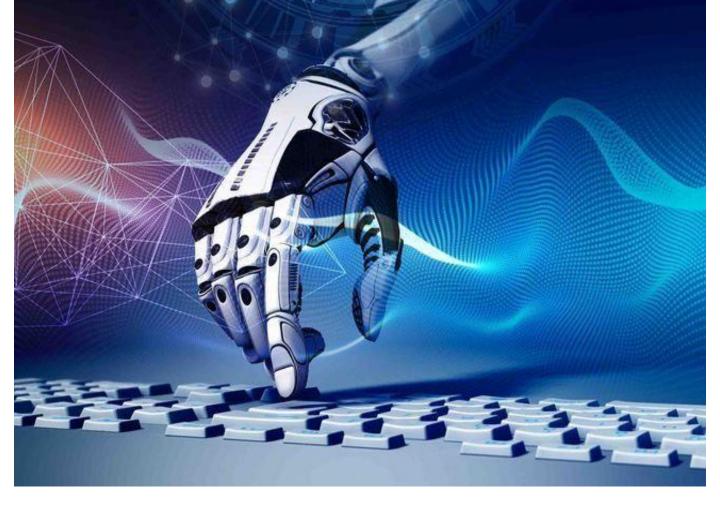
VILAR BYPASS, THANJAVUR – 613 006, TAMIL NADU

DEPARTMENT OF COMPUTER APPLICATIONS

NEWSLETTER

DEC 2022 – APR 2023

ABOUT THE DEPARTMENT

"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. The Department Association was started in the name of BIOS-CA in the college in 2004 and it has been functioning successfully. It organizes conference, seminar, symposium, workshop and faculty development programme at regular intervals. The Department has earned their reputation for academic excellence by securing top ranks in the university and also our students got placement in various companies. At present we have the strength of 353 students. We have a good team of faculty members dedicated to the cause of rendering quality education to the student community.

DEPARTMENT ORGANIZED PROGRAMMES

EXTENSION PROGRAMME
On account of world computer literacy day, the Department of Computer Applications conducted Hands-on Training on Ms-Word on 02.12.2022. The 57 students from 9th to 11th standard, Thirumagal Higher Secondary School, Thanjavur, attended and benefitted.

SEMINAR
A **Seminar on Research and Publication Ethics** was organized on 06.12.2022. Dr. S. Manimozhi, Assistant Professor, Department of Computer Science and Applications, Periyar Maniammai Institute of Science and Technology, Thanjavur, was the resource person. 118 students of final year BCA students participated in this seminar.

CAREER GUIDANCE PROGRAMME
The Department of Computer Applications organized a **Career Guidance Programme on Industry Readiness** on 21.12.2022. The resource person was Mr. Shanbagaraj, Associate Software Engineer, Eminent Technology Solution, Madurai. Totally 118 final year students got benefitted.

SOFT SKILL TRAINING PROGRAMME
A **Soft Skill Training on Team work and Problem Solving** was organized on 06.01.2023. Mr. Anumanth, Trainer, Eminent Technology Solution, Madurai. was the resource person. Totally, 118 students were trained and benefited.

SEMINAR
The Department of Computer Applications organized **Seminar on Entrepreneurial Opportunities for Computer Studies** on 20.01.2023. Mr. Prakash, Brahan Technologies, Software Development Service, Thanjavur, India. 115 students of final year BCA students participated in this seminar.

SKILL DEVELOPMENT PROGRAMME
A **Skill Development Programme on .NET Programming** was organized on 08.02.2023. Mr. Sathish Kumar Ramar, Software Engineer, Associate Software Engineer, Eminent Technology Solution, Madurai, has addressed in this programme. 118 students were trained and got benefitted.

RENOVA'23 - TECHNICAL SYMPOSIUM

The Department of Computer Applications organized **Intercollegiate Technical Symposium RENOVA'23** on 09.02.2022. Dr. J. Jeyachidra Professor & Dean, Faculty of Computing Science and Engineering, Periyar Maniammai Institute of Science & Technology, Vallam, Thanjavur delivered the valedictory address. Totally 183 students participated and the overall championship was bagged by AVVM Sri Pushpam College, Poondi.

FIELD VISIT

Environmental studies related field visit was arranged for the first year students from 14.02.2023 to 14.03.2023. The students visited Agriculture and Marine Departments, Annamalai University, Chidambaram, mangrove forest at Pichavaram, and Bon Secours College herbal garden. 131 first year students undertook the field visit and got benefited.

INDUSTRIAL VISIT

An Industrial Visit was arranged to the final year students Vikram Sarabhai Space Centre, Trivandrum, Kerala 15.02.2023. Totally 118 students visited and benefited.

ENDOWMENT LECTURE

An Endowment lecture on Cloud Applications was organized on 14.03.2023 for the final year students. Dr. C.N. Umadevi, Assistant Professor, PG and Research Department of Computer Science, Enathi Rajappa Arts and Science College, Pattukkottai, was the resource person.

CAREER GUIDANCE PROGRAMME

The Department of Computer Applications organized **Career Guidance Programme on Explore Career Horizons** on 04.03.2023. Dr. C. Seetharaman, Principal Rtd, M.G.R. Govt. Arts & Science College, Kattumanarkovil, handled the session.

GUEST LECTURE

A **Guest Lecture on Java SWING and OBDC** was arranged on 17.03.2023 for the first year students. Ms. R. Subha, Head & Assistant Professor, PG and Research Department of Computer Science, Enathi Rajappa Arts and Science College, Pattukkottai, was the resource person.

INTERNSHIP PROGRAMME

An Internship Programme was arranged for second year students from 21.03.2023 to 20.04.2023. The students take over their internship at CADD Centre, Nallaiyah Complex and New Bus stand, Thanjavur. They undertook and gained knowledge on Chat applications using networking, PHP mailer using SMTP, Python, Hosting a apache server using LINUX administration, Cloud Services and Phone Direct ory applications using doubly linked list.

NATIONAL LEVEL FACULTY DEVELOPMENT PROGRMME

The Department of Computer Applications organized the **National level Faculty Development Programme on Data Analytics and Transformations** from 27.03.2023 to 31.03.2023. Totally, 125 participants from various institutions attended and were benefited.

GUEST LECTURES

A **Guest Lecture on Normalization using Functional Dependency** was arranged on 28.03.2023 for the second year students. Ms. Viji Parthasarathy**,** Assistant Professor, Department of Computer Science, Shrimathi Indira Gandhi College, Trichy, was the resource person.

A **Guest Lecture on AJAX in PHP** was arranged on 03.04.2023 for the final year students. Dr. D. Nilavu, Guest Lecturer, Department o Computer Science, Government Arts and Science College, Thirukkattuppalli, was the resource person.

WORKSHOP

A **Workshop on Visual Basic** was organized on 05.04.2023 for the final year students. Dr. R. Manimaran, Head, Department of Information Technology, J.J. College of Arts and Science (Autonomous), Pudukkottai was the resource person.

GUEST LECTURE

A **Guest Lecture on NoSQL and MongoDB** was organized on 07.04.2023 for the I M.Sc. Computer Science students. Dr. C. N. Umadevi, Assistant Professor, PG and Research Department of Computer Science, Enathi Rajappa Arts and Science College, Pattukkottai, was the resource person.

STUDENT ACHIEVEMENTS

- Ms.P.Pavithira has participated and won 3st prize in the Boxing organized by Bharathidasan University, Tiruchirappalli on 04.12.2022.
- Ms.P.Pavithirahas participated and won 3st prize in Sliambam, CM Trophy Match conducted at AnnaiSathya Stadium on 31.12.2022
- Ms.E.Vinothini, Ms.A.Divya, Ms.S.Sivadharshini, Ms.S.ThvyaTarshini and Ms.P.ThangaPapa have participated and won 1st prize in Cricket, CM Trophy Match conducted at Annai Sathya Stadium on 01.02.2023.
- Ms.S.Priya has participated and won 2nd prize in Hockey, CM Trophy Match conducted at Annai Sathya Stadium on 01.02.2023.
- Ms.P.Thanga Papa has participated and won 3rd prize in Foot Ball, CM Trophy Match conducted at Parisutham Institute of Technology, Thanjavur on 01.02.2023.
- Ms.R.Soundarya has participated and won 1st prize in Karate(Kunite) organized by Bharathidasan University, Tiruchirappalli, on 25.02.2023.
- Ms.P.Pavithira has participated and won 3st prize in the U-18 Age group in the 56-70 kg Body Wt.Category in the ThanjaiZonal Boxing Championship-2023 at Sports Authority of India Complex at Mayiladuthurai on 26.02 2023.
- Ms.R.Swetha & Ms.P.Yuvasri have participated and won 1st Prize in Capture The Flag Event in the State Level Intercollegiate Tech Festival MetaFest 2K23 conducted in St.Joseph's College(Autonomous), Trichy on 27.02.2023.

- Ms.S.Priya, Ms.S.JoneFercy, Ms.J.Harshini, Ms.R.Swetha have participated in Quiz event in the State Level Intercollegiate Tech Festival MetaFest 2K23 organized by St.Joseph's College(Autonomous), Trichy on 27.02.2023.

- Ms.B.YuvaShree and Ms.B.DurgaVeevaisDeepa and Ms.R.Chandraleka have participated in Treasure Hunt event in the State Level Intercollegiate Tech Festival MetaFest 2K23 organized by .Joseph's College(Autonomous), Trichy on 27.02.2023.

- Ms.T.Kavya and Ms.S.Keerthiga have participated and won 2nd prize in Digital Kiosk event in the State Level Intercollegiate Tech Festival MetaFest 2K23 organized by St.Joseph's College(Autonomous), Trichy on 27.02.2023.

- Ms.B.DurgaVeevaisDeepa and Ms.R.Chandraleka have participated in Cryptography event in the State Level Intercollegiate Tech Festival MetaFest 2K23 organized by St.Joseph's College(Autonomous), Trichy on 27.02.2023.

- Ms.E.Vinodhini and Ms.A.Nisha have participated in Folk Dance event and won 3rd prize in the Pushpamala 2023, Tech Festival MetaFest 2K23 organized by AVVM Sri Pushpam College, Poondi on 11.03.2023.

- Ms.S.Pavithra, Ms.M.Priyadharshini, Ms.A.Susmitha and T.Thiriksha have attended the workshop on Artificial Intelligence & Machine Learning organized by RRC Technologies, Thanjavur on 25th& 26th March 2023.

- Ms.S.Keerthiga and Ms.T.Kavya have participated in Paper Presentation event in the Inter college Management and Cultural Meet event, M.A.M. B-FEST 2023 organized by M.A.M. B-School, Trichy on 30.03.2023.

- Ms.N.Kamali, Ms.S.Bavadharani, Ms.B.Yuvashree, Ms.A.Ashwini, have participated in Paper Presentation event in the Inter college Management and Cultural Meet event, M.A.M. B-FEST 2023 organized by M.A.M. B-School, Trichy on 30.03.2023.

- Ms.P.Yuvasri, has participated and won 2nd Prize in Poster Making event in the One day National Level Symposium SWARD 2K23 organized by the Department of Software Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur on 31.03.2023.

- Ms.P.Pavithra and Ms.R.Sowmiya, have participated in the Technical Quiz in the One day National Level Symposium SWARD 2K23 organized by the Department of Software Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur on 31.03.2023.

- Ms. P.Yuvasri and Ms.R.Sowmiya, have participated in Photography event in the One day National Level Symposium SWARD 2K23 organized by the Department of Software Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur on 31.03.2023.

FDP, WORKSHOP & SEMINAR ATTENDED BY FACULTY MEMBERS

- Dr. M. Florence Dayana, Assistant Professor of CA, has participated the seven days virtual National level Faculty Development Programme on Research Methodology organized by Department of Commerce, PPG College of Arts and Science, Coimbatore from 12.12.2022 to 19.12.2022.

- Ms. A. Helina Mercy attended NAAC Sponsored National Level Seminar on Role of NAAC with NEP as a quality tool for higher education conducted by Renganathar Institute of Engineering and technology, Coimbatore from 16.12.2022 to 17.12.2022.

- Dr. M. Florence Dayana, Assistant Professor of CA has participated the National level Faculty Development Programme on Innovations of Research in Artificial Intelligence and Data Science organized by Department of Information Technology, Bon Secours College for Women, Thanjavur from 19.12.2022 to 23.12.2022.

- Dr. M. Florence Dayana, Ms. R. GomathiJayam, Ms. V.Santhi, Ms. N. Ruba, Ms. D. Seethalakshmi, Ms. S. Arista, Ms. R. Pragadeeshwari attended the online Faculty Development Programme on Prominent Challenges in Computer Vision, Data and Intelligence conducted by Navarasam Arts and Science College for Women, Arachalur, Erode from 26.12.2022 to 31.12.2022.

- Ms. V. Santhi attended the Faculty Development Programme on Cloud Practicioner conducted by Jamal Mohamed College, Trichy from 26.12.2022 to 30.12.2022.

- Ms. R. GomathiJayam, Ms. V.Santhi, Ms. N. Ruba, Ms. D. Seethalakshmi, Ms. S. Arista, Ms. R. Pragadeeshwari attended the online Short Term Faculty Development Program on Ethics in Academic Research Writing conducted by AMET University from 30.01.2023 to 04.02.2023.

- Dr. M. Florence Dayana, Assistant Professor of CA, has attended the online Faculty Development Programme on Recent Trends on Information Technology organized by Sri Muthukumaran Arts and Science College, Chikkarayapuram, Chennai from 06.03.2023 to 10.03.2023.

- Dr. M. Florence Dayana, Ms. R. GomathiJayam, Ms. V.Santhi, Ms. N. Ruba, Ms. D. Seethalakshmi, Ms. S. Arist and Ms. R. Pragadeeshwari have attended the online Faculty Development Programme on Enhancing the Research Papers and usage of Research tools conducted by Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur from 06.03.2023 to 11.03.2023.

STAFF PUBLICATIONS

International Conference on Information Technology and Applications organized by the Department of Information Technology, Bon Secours College for Women, Thanjavur. Department of Computer Applications Faculty Members has been published their Papers in Conference Proceeding with ISBN: 978-93-95341-59-2, Edition – I, March – 2023.

1. Ms. R. Gomathi Jayam, Head & Assistant Professor of Computer Applications, has published a Paper on **A Survey: Issues and Challenges on VANET Security**
2. Dr. M. Florence Dayana, Assistant Professor of Computer Applications, has published a Paper on **Attacks and Measures for Secured Routing in Wireless Sensor Networks**
3. Ms. V. Santhi, Assistant Professor of Computer Applications, has published a Paper on **Security Challenges and Issues in Wireless Sensor based Networks**
4. Ms. N. Ruba, Assistant Professor of Computer Applications, has published a Paper on **An Enhanced Applications of Internet of Things and Block Chain Technology**
5. Ms. D. Seethalakshmi, Assistant Professor of Computer Applications, has published a Paper on **A Survey of Image Processing Identification Techniques**
6. Ms. S. Arista, Assistant Professor of Computer Applications, has published a Paper on **Trending on Wireless Technology 5G**
7. Ms. A. Helina Mercy, Assistant Professor of Computer Applications, has published a Paper on **Secure Alphabetical Data in Cloud Computing Environment**
8. Ms. R. Pragadeeshwari, Assistant Professor of Computer Applications, has published a Paper on **Sensor based Cloud Computing**

STAFF ACHIEVEMENTS

- Ms. R. Gomathi Jayam, Head & Assistant Professor of Computer Applications served as a resource person for the **Seminar: An overview of Python** organized by the PG and Research Department of Computer Science, Enathi Rajappa Arts and Science College, Pattukkottai on 07.03.2023.

- Dr. M. Florence Dayana, Assistant Professor of CA is the member of International Association of Computer Science and Engineering Teachers (IACSET) with effect from March 2023 to March 2024.

My BCA, My Honor…..