



# **BON SECOURS COLLEGE FOR WOMEN**

*Accredited with A++ Grade by NAAC in Cycle II*  
*Affiliated to Bharathidasan University, Tiruchirappalli*  
*UGC Recognized 2(f) and 12(B) Institution*  
**VILAR BYPASS, THANJAVUR - 613 006**



## **COMPUTER APPLICATIONS**

**NEWSLETTER | NOVEMBER 2021**

***My BCA, My Honor.....***

## 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 seminar, symposium and workshop 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

### SEMINAR

The Department of Computer Applications organized Seminar on Intellectual Property Law and Policy held on 10.08.2021. Dr.K.Krishna Kumar, Associate Professor and Head i/c, Department of Commerce, Periyar University, Salem. 129 final year BCA students participated in the seminar.

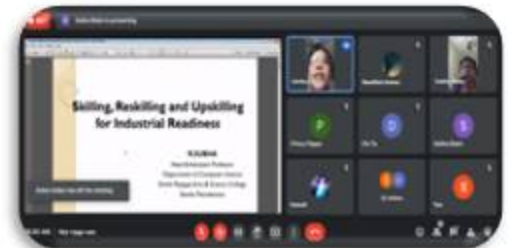


### WORKSHOP

National Workshop on Research Tool was organized for final year students on 26.08.2021. Dr.V.Prasanna Venkatesasn, Associate Professor, Pondicherry University, Puducherry, was the resource person.

### STUDENT INDUCTION PROGRAMME

The Department organized Student Induction Programme (SIP) from 20.09.2021 to 25.09.2021. In this Programme, we identify the area of strength and weakness of the students through different modules. On 25.09.2021 the Department conducted the entry level test through which the department identifies the level of students' knowledge.



### INSTALLATION OF BIOS CA ASSOCIATION

BIOS CA Association was installed and 14 office bearers were selected for various posts on 18.10.2021. Dr.Joseph Pandian was the Chief Guest for the programme

### INTERNSHIP PROGRAMME

Internship Programme was arranged for second year students from 01.10.2021 to 03.11.2021. The students take over their internship at Shenll Technology Solutions Pvt. Ltd, Chennai, WebEdz, Thanjavur, Sky Tech Solution, Thanjavur, Resultics Digital India Pvt. Ltd., Chennai under the core courses like Operating System, Database System, Java Programming, PHP and Cloud Computing.

Computer Literacy Programme Level - VII was conducted with the Introduction to Networking for 15 days from 04.10.2021 to 20.10.2021. Thirty five Students of 10, 11 and 12th standard participated from Mother Terasa Anbu Illam, Thanjavur. 15 students from III BCA have engaged classes along with Ms.N.Ruba, Assistant Professor, Dept. of Computer Applications & Ms. S. Arista, Assistant Professor, Dept. of Computer Applications.

### EXTENSION ACTIVITY



## FACULTY DEVELOPMENT PROGRAMME

The Department of Computer Applications organized Faculty Development Programme on E-content Development on 15.11.2021. Dr.K.Thangaraj, Assistant Professor, Sona College of Technology was the resource person. Totally 57 participants from various organizations attended this FDP.



### FDP, WORKSHOP & SEMINAR ATTENDED BY FACULTY MEMBERS

- ◆ Dr. M.Florence Dayana, Dean of Computer Studies and Technology, attended two days online workshop on Transformation through NAAC Accreditation Process, A National Level Workshop for Higher Educational Institutions conducted by Institute for Academic Excellence, Hyderabad in collaboration with Collegiate Education & Technical Education Department, Telangana State on 21.06.2021 & 22.06.2021.
- ◆ Dr. M.Florence Dayana, Dean of Computer Studies and Technology, participated in the online quiz on International Plastic Bag Free Day conducted by the National Service Scheme, J.J. College of Arts and Science (A), Pudukkottai on 04.07.2021.
- ◆ Ms.N.Ruba, Assistant Professor of Computer Applications participated in one week National level Faculty Development Programme on Transformation in Indian Education through New Education Policy- Challenges and Opportunities organised by Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru from 05.07.2021 to 11.07.2021.
- ◆ Dr. M.Florence Dayana, Dean of Computer Studies and Technology, attended two weeks online International Faculty Development programme on The Era of Change - Recent Advancements of Machine Learning in Terms of AI & IOT organized by Department of Computer Science and Applications, SRM Institute of Science and Technology, Ramapuram, Chennai from 12.07.2021 to 25.07.2021.
- ◆ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, attended seven days International level online Faculty Development Programme on Research Perspectives on New Age Technologies organized by Department of Computer Science, Nallamuthu Gounder Mahalingam College, Pollachi from 03.08.2021 to 10.08.2021.
- ◆ Ms. R.Gomathi Jayam, Head, Department of Computer Applications, attended four days online National level webinar on Current trends in Research and Innovation conducted by the Institute for Academic Excellence, Hyderabad in collaboration with Collegiate education and Technical Education Department, Telangana State from 27.08.2021 to 31.08.2021.
- ◆ All the faculty from the Department of Computer Applications attended CSI sponsored one week online Faculty Development Programme on Data Science organized by the Department of CSE, Periyar Maniammai Institute of Science and Technology, Thanjavur from 24.08.2021 to 28.08.2021.
- ◆ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, attended State level workshop on Public Financial Management System (PFMS) with Special Reference to TSA organized by A.D.M. College for Women (Autonomous), Nagapattinam from 23.09.2021 to 24.09.2021.
- ◆ All the staff members from the Department of Computer Applications participated one day International seminar on Robotics & Machine Learning organized by Department of Computer Applications, AIMAN College, Trichy on 24.09.2021.



## RESEARCH\_PROPOSALS

- Student project proposal was submitted to TNSCST, Chennai with the topic entitled Advanced Women Security System Based on Android under the guidance of Dr. M. Florence Dayana, Dean of Computer Studies and Technology on 06.09.2021.
- Student project proposal was submitted to TNSCST, Chennai with the topic entitled IOT Temperature and Mask Scan Entry System for COVID Prevention and IOT Smart Mirror with News and Temperature under the guidance of Dr. M. Florence Dayana, Dean of Computer Studies and Technology on 07.09.2021.
- Student project proposal was submitted to TNSCST, Chennai with the topic entitled Real Time College Bus Tracking Application for Students and Bus Entry Time Auto Update in College Gate using Android App and Energy -Efficient Face Recognition Authentication System Using Human Detection IOT Modules under the guidance of Dr. M. Florence Dayana, Dean of Computer Studies and Technology on 08.09.2021.
- Student project proposal was submitted to TNSCST, Chennai with the topic entitled Speed Checker to Detect Rash Driving on Automatic Road Curve Pointer under the guidance of Ms. R. Gomathijayam, Head and Department of Computer Applications on 08.09.2021.
- Student project proposal was submitted to TNSCST, Chennai with the topic entitled Intelligent Shopping Cart using Bolt ESP266 based on IOT under the guidance of Ms. R. Gomathijayam, Head and Department of Computer Applications on 16.09.2021.
- Student project proposal was submitted to TNSCST, Chennai with the topic entitled Voice based Notice Board using Android Application under the guidance of Ms. R. Gomathijayam, Head and Department of Computer Applications on 17.09.2021.



*With Regards*  
*The Head, The Staff and The Students*



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## COMPUTER APPLICATIONS



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## ABOUT THE DEPARTMENT

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## DEPARTMENT ORGANIZED PROGRAMMES

### WORLD COMPUTER LITERACY DAY

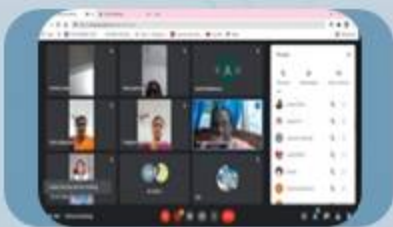
To Celebrate the World Computer Literacy Day, the Department of Computer Applications organized E-Quiz on 02.12.2021. 124 Students participated this E-Quiz and E-Certificates were given to all participants

### WEBINAR

To observe National Innovations Day, the Department of Computer Applications organized Webinar on Innovations, Expectations and Opportunities for Entrepreneurship on 31.01.2022 for the final year students. Dr. S. Saravanakumar, Head, Department of Business Administration, Government Arts College (Autonomous), Salem - 7 was the resource person.



### SENSITIZATION PROGRAMME



A sensitization programme on Ethical Hacking was conducted by the Department of Computer Applications in association with Institution's Innovation Council on 11.02.2022. The Resource person Dr. R. D. Sathiya, Assistant Professor of Computer Science, Bishop Heber College, Trichy enriched the students' knowledge for understanding the science behind ethical hacking. Totally, 51 final year students attended

### INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME

Department of Computer Applications organized an International faculty development programme on Recent Trends in Computational Intelligence on 14.02. 2022 to 18.02.2022. Totally, 648 participants attended this International FDP.

Day 1: Dr.T.Velmurugan, Head & Associate Professor, PG & Research Department of Computer Applications, Dwaraka Doss GoverdhanDossVaishnav College, Arumbakkam, Chennai shared his knowledge in the topic of Technology Developments in AI.



Day 2: Dr. K.David, Associate Professor, PG & Research Department of Computer Science, H.H. The Rajah's College, Pudukkottai delivered a lecture on Advanced Web Technology,

Day 3: A.Melcose, Founder Data Science in Tamil, USA enlightened the participants with his ideas in Data Science & Analytics.

Day 4: Dr.S.S.Manikandasaran, Associate Director,, PG & Research Department of Computer Science, Adaikalamatha College, Thanjavur delivered a lecture on Internet of Things& Security

Day 5: Mr.Pradeep Pattabiraman Senior IT Manager,x-Tata Consultancy Services, Trivandrum, handled a session on the topic Cloud Computing and its Services



## WORKSHOP

One day workshop on .NET with SQL Server was conducted on 12.03.2022. Dr. S. Manimozhi, Assistant Professor, Department of Computer Applications, Periyar Maniammai Institute of Science and Technology, was the resource person. 129 students of III BCA attended and got benefitted



## SENSITIZATION PROGRAMME



Environmental studies related field visit was arranged for the first year students at Rainbow Natures Stay, Nanjikottai, Thanjavur, herbal garden of Bon Secours College for Women. This field visit was done from 29.03.2022 to 30.04.2022. 105 students from I BCA undertook the field visit and got benefitted

## WORKSHOP

A workshop on Photoshop was conducted on 26.04.2022. Sr. Cinrella Mary, IDMC Coordinator, Bon Secours College for Women, Thanjavur handled the session. 118 students of II BCA were trained and got benefitted.



## ENDOWMENT LECTURE



Endowment lecture on Virtualization in Cloud Computing was arranged on 26.04.2022 for the final year students. Dr. P. Rajadurai, Assistant Professor, Department of Computer Science, T.U.K Arts College, Karanthai was the Resource Person.

## SOFT SKILL TRAINING PROGRAMME

Soft skill training programme on Demonstration on Live Project Development was organized on 27.04.2022. Mr. A. Sivakumar, Software Engineer, Quantum Sys Technologies Pvt. Ltd., Singapore and Mr. R. Karthikeyan, Mobile App Developer, Quantum Sys Technologies Pvt. Ltd., India were the resource persons. 128 students were trained and got benefitted.



## CAREER GUIDANCE PROGRAMME

The Department of Computer Applications organized career guidance programme on Vision to Future on 28.04.2022. The resource person was Dr. K. Selvakumar, Head & Assistant Professor, Department of Political Science, Periyar Maniammai Institute of Science and Technology, Thanjavur. Totally 129 final year students got benefitted.



## RENOVA'22- TECHNICAL SYMPOSIUM



On 29th and 30th April 2022 Department of Computer Applications organized Inter and Intra level Technical Symposium-RENOVA'22. Dr. D. Ruby, Assistant Professor & Head of the Department, Department of Computer Science and Applications, Periyar Maniammai Institute of Science & Technology delivered valedictory address. Six different events were conducted. Totally 237 students participated and got prizes.

## STUDENT ACHIEVEMENTS

- ❖ Ms. A.T. Swaruparani of I BCA B has participated in the Intercollegiate Science Quest(Essay Writing) organized by PG and Research Department of Mathematics, Physics, Computer Science, Maruthupanidayar College, Thanjavur on 11.03.2022.
- ❖ Ms.S.Gayathri Ishwarya, Ms. Dayana Nancy, Ms.Subasri, Ms.K.Arthi, Ms.P.Kokilavani, Ms.Nishanthi, M.S.Sowbarnika, S.Thangadharani, E.Abinaya, J.Sawathi and N.S.Deva dharshini of BCA has participated various competitions in VYUGAS 2022 a National level technical symposium organized by the Department of Computer science and Computer Applications, SRM Trichy Arts and Science College, Trichy on 11.03.2022.
- ❖ Ms. Bhavani Roshini, K.Abita, Ms.Swetha, Ms.Swathi, N.Nishanthi and Ms.Rahini of BCA have securing III Place in Group Song(Indian) at the BONFEST'22, Interdepartmental Cultural Convergence on 15.03.2022 & 16.03.2022.
- ❖ Ms. Chandraleka, Ms.Atchaya, Ms.Harshini, Ms.Kaviya, Ms.Anusha, S.Priya, Ms.Yuvashree, Ms.Kamali, Ms.Jeevitha and S.M.Priyadharshini of BCA have securing I Place in Folk Dance at the BONFEST'22, Interdepartmental Cultural Convergence on 15.03.2022 & 16.03.2022.
- ❖ Ms.S.Rahini, Ms.Durga Vevis Deepa, S.Bhavadharini, Ms.A.Sibivarshini, Ms.Yuvashree, S.Priya has participated in the event of Adzap and won Third prize at the National Level Intercollegiate Technical Meet ITRIX -22 organized by Annai College of Arts & Science, Kovilacheri, Kumbakonam on 22.03.2022.





- ❖ Ms.Nishanthi, M.Subasri has participated in the event of Debugging and won third prize at the National Level Intercollegiate Technical Meet ITRIX -22 organized by Annai College of Arts & Science, Kovilacheri, Kumbakonam on 22.03.2022.



- ❖ Ms.N.Ashwini, Ms.R.Harshini, Ms.S.Bhavadharani, Ms.S.Priya, Ms.Chandraleka, Ms.K.C.Anusha, Ms.Jeevitha, Ms.Yuvashree, Ms.M.Dhatvashra has participated in the National level technical meet conducted by the Department of Computer Science, Rajagiri Dawood Batcha College of Arts and Science, Papanasam on 11.05. 2022.

## NPTEL COURSE COMPLETION



Ms. R. Swetha of II BCA B has successfully completed NPTEL online certification 8 week course in Data Structures and Algorithms using Python Programming from January to March 2022 conducted by Indian Institute of Technology, Madras.

Ms. R. Swetha of II BCA B has successfully completed NPTEL online certification 12 week course in Programming in Java from January to April 2022 conducted by Indian Institute of Technology, Kharagpur

## FDP, WORKSHOP & SEMINAR ATTENDED BY FACULTY MEMBERS

- ❖ All staff members from the Department of Computer Applications participated in the one week online Faculty Development Programme on Research Methodology organized by Research club, Department of Commerce, Sona College of Arts and Science, Salem from 01.02.2022 to 05.02.2022.
- ❖ All staff members from the Department of Computer Applications participated in the five days online International Faculty Development Programme on Recent Trends in Computational Intelligence organized by Research club, Department of Commerce, Sona College of Arts and Science, Salem from 14.02.2022 to 018.02.2022.
- ❖ All the staff members from the Department of Computer Applications have participated in the six days Virtual International Faculty Development Programme on Preceptors Perspectives on Revisiting and Redefining Values in Education organized by Bon Secours College for Women, Thanjavur from 25.02.2022 to 03.03.2022.

## STAFF PUBLICATIONS

- ❖ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, has published a Paper on Real Time College Bus Tracking Application for Students and Bus Entry Time Auto Update in College Gate using Android App, in an International Journal of Emerging Technologies and Innovative Research. This Paper has been published in International Standard Serial Number (ISSN: 2349-5162, VoL-09, Issue-05 with the Impact Factor- 7.95, May -2022 UGC Approved Journal Number: 63975).

## **STAFF PUBLICATIONS**

- ❖ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, has published a Paper on Advanced Women Security System Based on Android, in an International Journal of Research and Analytical Reviews. This Paper has been published in International Standard Serial Number (ISSN: 2348-1269, Vol-09, Issue-02 with the Impact Factor- 7.17, May -2022 UGC Approved Journal Number: 43602).
- ❖ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, has published a Paper on IOT Temperature & Mask Scan Entry System for COVID Prevention, in an International Journal of Innovative Research in Computer and Communication Engineering. This Paper has been published in International Standard Serial Number (ISSN: 2320-9801, Vol-10, Issue-05 with the Impact Factor- 8.165, May -2022).
- ❖ Ms. R. Gomathi Jayam, Head, Department of Computer Applications has published a Paper on Voice based Notice Board using Android Application in an International Journal of Emerging Technologies and Innovative Research. This Paper has been published in International Standard Serial Number (ISSN: 2349 - 5162, Volume 9, Issue 5 with the Impact Factor - 7.95, May - 2022, UGC Approved Journal Number: 63975)
- ❖ Ms. R. Gomathi Jayam, Head, Department of Computer Applications has published a Paper on Speed Checker to Detect Rash Driving on Automatic Road Curve Pointer in an International Journal of Computer Science and Engineering. This Paper has been published in International Standard Serial Number (ISSN: 2347 - 2693, Volume 12, Issue 4 with the Impact Factor - 1.251, June - 2022)

## **STAFF ACHIEVEMENTS**

- ❖ Ms. A.Helina Mercy, Assistant Professor of Computer Applications acted as a Guest Lecture for the National level Skill Development Programme on Digital Profeciency Jobs Coalition for the Promotion Technopreneurs 2025, Bon Secours College for Women, Vilar Bypass, Thanjavur 11.03.2022.
- ❖ Ms. M. Jancypriya, Assistant Professor of Computer Applications served as a resource person for the National level Virtual Faculty Development Programme on Advanced Security Mechanism in Networks organized by the Department of Computer Science and Applications, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur 18.03.2022.
- ❖ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, acted as a professional member of International Association of Computer Science and Engineering Teachers (IACSET) powered by International Institute of Organized Research is registered MSME with Ministry of MSME, Govt. of India from 22.03.2022.
- ❖ Dr. M. Florence Dayana, Dean of Computer Studies and Technology, has received National Academic Excellence Award 2021 Instituted by the International Institute of organized Research which is a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India, Ref No. I2DR/2021/NA-163 on 15.04.2022.

## **RESEARCH PROPOSALS**

A proposal was submitted on 21.02.2022 to TANSCHER to organize National seminar on Machine Intelligence with Deep Learning, scheduled on 11.03.2022

With Regards  
The Head, the Staff and the Students