NOVEMBER 2020

DEPARTMENT OF COMPUTER APPLICATIONS

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. We started department Association in the name of **BIOS-CA** in the college since 2004. It also contributes to the IT fields by conducting seminar and workshop most frequently. The department has earned their reputation for academic excellence by securing top Ranks in the university and also our students got placement in the various companies. At present we have strength of 372 students. We have a good team of faculty members dedicated to the cause of higher education.

DEPARTMENT ORGANIZED PROGRAMMES

INSTALLATION OF BIOS CA ASSOCIATION

- BIOS CA Association was installed with 20 office bearers on 25.01.2021.

STUDENT INDUCTION PROGRAMME

- The Department of Computer Applications hosted the Student Induction Programme cum Orientation Programme, through online. The seven days phase commencing from 2nd September 2020 to 9th September 2020. Totally 120 students participated enthusiastically and obtained benefit from the programme. Dr. K. Muthuramalingam, Assistant Professor in Computer Science and Engineering, Bharathidasan University, Trichy was handled the session on "Programme outlook & avenues". Mr. G. Mohan Senior Software Quality Assurance Engineer, Nissi, Software Systems, Bangalore was handled the session on "Skilling, Up skilling & Reskilling –Industrial Readiness" on 08.09.2020. Final day session on "Research Insights" was handled by Dr. K. Sujith Assistant Professor in Computer Science, Annai Veilankanni Arts and Science College, Thanjavur.
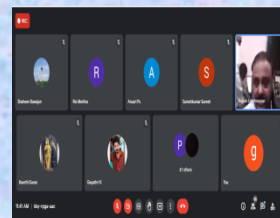
SEMINAR

- National Seminar on Intellectual Property Rights & Research Ethics was held on 24.09.2020. Dr. Dinesh Babu, Senior Data Scientist, BrainSwig Edutech Pvt. Ltd., Chennai, was the Resource Person. Totally, 72 participants were attended and benefitted.

TALENT HUNT'21

- Department of Computer Applications organized "Online Talent Hunt'21" on 27.10.2020. The Chief Guest Dr. S. J. Sathish Aaron Joseph, Research Supervisor in Computer Science, Assistant Professor and Head, Department of Computer Applications, J.J College of Arts and Science, Pudukkottai delivered the valedictory address. Totally 95 students participated the 5 different events.

NATIONAL LEVEL WORKSHOP

- Department of Computer Applications organized one day Online Workshop on "Advanced Python Programming" on 28.10.2020. The Chief Guest was Ms. C. Sivagami, Project Engineer, Novitech R&D Private Ltd., Trichy. There are 130 students participated in the workshop.

INTERNATIONAL E – SEMINAR

- On 29th October, International E-Seminar on "Advanced Computing Techniques in Machine Learning and IoT" was organized by Department of Computer Applications. Totally 100 students participated from our department.
  Technical Session 1: Mr. A.Tony Ignatius, Senior System Engineer/Architecture, IBM, USA handled a session on the topic "IoT Enabling Technologies".
  Technical Session 2: Mr.A.Arun Gnana Raj, Software Project Manager and solution Architect, Qanawat FZ L.L.C, Dubai, UAE delivered a lecture on the topic "Recent research Advances on interactive machine learning".

FACULTY DEVELOPMENT PROGRMME

- Two days FDP on emerging trends in Data Science was organized on 12.11.2020& 13.11.2020. Dr. A. Shaik Abdul Khadar, VP & Associate Professor, PG & Research Dept. of CS, Khadir Mohideen College, Adirampattinam, has engaged all the sessions.

STUDENT ACHIEVEMENTS

RESULT & RANK HOLDERS

- 100 % of Result was produced this year.
- 10 students from our department secured University Ranks.

P. Nandhini Devi
2nd Rank

J. G. Nandhini
2nd Rank

C. Jananibharathi
4th Rank

V. Shalini
5th Rank

A.Iswarya
7th Rank

N. Girija
11th Rank

J. Gayathri Devi
14th Rank

A. Archana
15th Rank

B. K. Sindhu
16th Rank

N. Monisha
17th Rank

- Ms. M. Thendral of III BCA 'B' has participated and completed Online Quiz –III on Information Technology Skills conducted on 01.06.2020 by the Department of Information Technology, J.J. College of Arts and Science (Autonomous), Pudukkottai.
- Ms. M. Thendral of III BCA 'B' and Ms. G. Madhumitha, Ms. K. Divyadharshini of II BCA 'A' has participated in Online Quiz on Programming in C organized by the Department of Computer Science and Engineering, Vaagdevi College of Engineering (Autonomous), Hyderabad on 01.06.2020.
- Ms. M. Thendral, Ms. M. Priyanka, Ms. V. Varsha of III BCA 'B' and Ms. R. Charulatha, Ms. A. S. Jothiprabha of II BCA 'A' were attended Computer Science quiz program conducted through online on 02.06.2020 and secured above 70% marks by PG and Research Department of Computer Science, Rajah Serfoji Govt. College (Autonomous), Thanjavur.
- Ms. M. Thendral, Ms. R. Ranjani of III BCA 'B' has participated and completed in Online Technical Panel Quiz (Revolution – I) 2020 organized by the PG Department of Computer Science, T.U.K. Arts College, Karanthai, Thanjavur on June 2020.
- Ms. M. Priyanka of III BCA 'B' has participated in the online National Quiz Competition 2020 organized by Raman Science and Technology Foundation Aryabhatt Science Club, Ranka on 05.06.2020.
- Ms. M. Priyanka of III BCA 'B' and Ms. R. Charulatha, Ms. A. Karishma Fajarina of II BCA 'A" were completed online test on Knowledge buzz in Java – 2020, organized by PG & Research Department of Computer Science, Enathi Rajappaa Arts and Science College on June 2020.
- Ms. V. Varsha, Ms. R. Ranjani of III BCA 'B' has competed "Computer Awareness Quiz – 2020", conducted through online mode by Department of Computer Science, Govt. Arts and Science College, Peravurani during the period from 30.05.2020 to 03.06.2020.
- Ms. M. Aarthi of II BCA 'A' has participated in the webinar on "Basic Linux Commands" organized by Department of CSE, Govt. College of Engineering, Thanjavur on 04.06.2020.
- Ms. M. Aarthi and Ms. N.S. Devadharshini of II BCA 'A' were participated in an International Webinar on Future Perspective organized by Department of Management Studies, Nehru Institute of Information Technology and Management, Coimbatore from 10.06.2020 to 12.06.2020.
- Ms. A. S. Jothiprabha and Ms. A. Karishma Fajarina of II BCA 'A' has participated in five days international webinar on Career Development Opportunities in IT field conducted from 10.06.2020 to 14.06.2020 by Rajah Serfoji Govt. College (Auto), Thanjavur.
- Ms. M. Gajalakshmi and Ms. A. Karishma Fajarina of II BCA 'A' has participated in 2 days webinar on "Develop a Chatbot for Google Assistant and get rewards from Google" (25.06.2020 & 26.06.2020) organized by MCA Department, Nehru Institute of Information Technology and Management, Coimbatore.
- Ms. N.S. Devadharshini, Ms. A. Karishma Fajarina and Ms. Dayana Nancy of II BCA 'A' has completed "Quiz-5 Programming in C++" conducted through online mode by the Department of Computer Science during the period from 26.06.2020 to 30.06.2020.
- Ms. N. S. Devadharshini Ms. E. Dinusha, Ms. R. Y. Hemapriya and Ms. A.S. Jothiprabha of II BCA 'A' has completed the E-Quiz on Recent Trends in Information and Communication Technology organized by Department of CS, IT and Applications, Shrimati Indra Gandhi College, Trichy on 27.06.2020.
- Ms. M. Gajalakshmi of II BCA 'A' has completed "Angular + NesJS Course" conducted by Sololearn on 27.06.2020.
- Ms. R. Y. Hemapriya of II BCA 'A' has participated in the online "Technical E-quiz on DBMS conducted by the PG & Research Department of Computer Science, AVVM Sri Pushpam College, Poondi, Thanjavur held on 05.07.2020.
- Ms. M. Gajalakshmi of II BCA 'A' has attended the internshala classroom on "How to land your dream internship through internshala", dated on 18.08.2020.

- ❖ Ms. M. Aarthi , Ms. G. Dhivya, Ms. M. Kanishka, Ms. K. Divyadharshini and Ms. G. Madhumitha, Ms. G. Manimala, Ms. G. Kavya of II BCA 'A' has got excellent performance in "COVID-19 Pandemic General Awareness Quiz" presented by association of CSE, Velalar College of Engineering and Technology, Erode on 05.09.2020.
- ❖ Ms. M. Gajalakshmi of II BCA 'A" has completed "Java & Python Course", an online learning initiative by Unschool on 21.09.2020.
- ❖ Ms. M. Aarthi of II BCA 'A' has participated in the "Computer Programming E-Quiz" organized by PG and Research Department of Computer Science, Arignar Anna Govt. Arts College on 06.11.2020.
- ❖ Ms. M. Aarthi and Ms. Hemapriya of II BCA 'A' has completed "C++ Tutorial Course" offered by Sololearn on 18.09.2020.
- ❖ Ms. A. S. Jothiprabha of II BCA 'A' has completed "HTML Course" offered by Sololearn on 03.10.2020.
- ❖ Ms. S. Anusiya of II BCA 'A' has completed "C++ Course" offered by Sololearn on 20.10.2020.

FDP, WORKSHOP & SEMINAR ATTENDED BY STAFF MEMBERS

- Ms.V.Santhi, M.Jancy Priya Assistant professor, Department of Computer Applications, participated in FDP on Big Data Engineering, organized by Kings College of Engineering from 01.06.2020 to 05.06.2020.
- Ms.V.Santhi, Ms. R. Gomathi Jayam, Assistant professors, Department of Computer Applications, participated "National level Webinar on Intellectual Property Rights", organized by Sankara College of Science and Commerce, Coimbatore on 02.06.2020.
- Ms.G.Sripriya, Assistant professor, Department of Computer Applications attended five days free "Online Workshop for Teachers" organized by Universal Teachers Academy, Puducherry from 02.06.2020 to 06.06.2020.
- Ms.V.Santhi, Ms. N. Ruba, Ms. R. Gomathi Jayam, Assistant professors, Department of Computer Applications, participated in online FDP on "Learning Management System", organized by Hindustan College of Arts & Science, Coimbatore on 04.06.2020.
- Ms. R..Gomathi Jayam, Assistant professor, Department of Computer Applications, participated in "Webinar on Introduction to Block chain Technology", organized by Dept. of CS & Engineering, Arasu Engineering College on 06.06.2020.
- Ms.G.Sripriya, Assistant professor, Department of Computer Applications, attended webinar on "Job Prospects in IT Industry:Tools and Techniques you need to learn", organized by St.Joseph's Institute of technology, Chennai on 07.06.2020 .
- Ms.V.Santhi, Assistant professor, Department of Computer Applications, participated in webinar on "Block Chain Technology", organized by Bakthavatsalam Memorial College for Women on 09.06.2020.
- Ms. R. Gomathi Jayam, Assistant professor, Department of Computer Applications attended webinar on "Fundamentals of Computational Fluid Dynamics", organized by Chennai Institute of Technology, Anna University on 09.06.2020.
- Ms.G.Sripriya Assistant Professor Department of Computer Applications attended four days "FDP on Technology towards Common Man", conducted by Sri Manakula Vinayagar Engineering College, Puducherry from 10.06.2020 to 13.06.2020.
- Ms. M. Florence Dayana, Head of Computer Applications attended national webinar on "Role of IQAC in Higher Educational Institutions" organized by IQAC Department, Badruka College of Commerce & Arts, Hyderabad on 12.06.2020.
- Ms.V.Santhi, Assistant professor, Department of Computer Applications, participated in "FDP on Tips and Tricks of Research Publication", organized by Kings College of Engineering on 12.06.2020.
- Ms.G.Sripriya, Assistant professor, Department of Computer Applications attended five days "Online Workshop for Teachers", organized by Universal Teachers Academy, Puducherry on 16.06.2020.

- Ms.V.Santhi, Assistant professor, Department of Computer Applications, participated in one week FDP on "Cyber Security", organized by the Department of Computer Science and Engineering, in association with Supraja Technologies on 19.06.2020 to 24.06.2020.

- Ms. R. Gomathi Jayam Assistant professor, Department of Computer Applications attended "International Webinar on Data Engineering", organized by PG & Research Dept. of CS, Khadir Mohideen College, Adhirampattinam on 5.7.2020.

- Ms. M. Florence Dayana, Ms.M. Jancy Priya , Ms.R.GomathiJayam, Ms.S.Jamuna, Ms.N.Ruba, Ms.G.Sripriya, Ms.D.SeethaLakshmi, Assistant professors of Computer Applications, attended "Online FDP on Open Educational Resources and Blended Learning for Higher Education", organized by Internal Quality Assurance Cell, Bon Secours College for Women, Thanjavur from 06.07.2020 to 12.07.2020.

- Ms.G.Sripriya, Assistant professor, Department of Computer Applications attended five days free online "Workshop for Teachers on Creating Android Apps", organized by Universal Teachers Academy, Puducherry from 16.07.2020 to 20.07.2020.

- Ms. M. Florence Dayana, Ms. R. Gomathi Jayam, Ms. M. Jancypriya, Ms. S. Jamuna, Ms. N. Ruba, Ms. G. Sripriya, Ms. D. Seethalakshmi, Assistant professors of Computer Applications, attended online FDP on "Effective use of Web 2.0 and E-Content Learning" organized by Human Resource Development Cell, Bon Secours College for Women, Thanjavur from 27.08.2020 to 29.08.2020.

- Ms. M. Florence Dayana, Assistant professor of Computer Applications, attended FDP on "Best Practices in Research", organized by Research and Publication Committee of IQAC, Sri Narayana College, Nattika, on 02.11.2020, 04.11.2020 and 07.11.2020.

EXTENSION ACTIVITY

- The staff members and students of BCA were participated in One Tree One Life Movement on 05.06.2020, organized by Department of Bio Technology in association with IQAC, Bon Secours College for Women, Thanjavur.

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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-CA** in the college since 2004. It also contributes to the IT fields by conducting seminar and workshop most frequently. The department has earned their reputation for academic excellence by securing top Ranks in the university and also our students got placement in the various companies. At present we have strength of 372 students. We have a good team of faculty members dedicated to the cause of higher education.

DEPARTMENT ORGANIZED PROGRAMMES

WORLD LITERACY DAY

- Department of Computer Applications celebrated World Literacy Day on 02.12.2020. It aims to create awareness and drive digital literacy in underserved communities worldwide. The department conducted E-Quiz competition through online mode. Totally 150 students participated from our department and all the students got e-certificates through Gmail.

EXTENSION PROGRAMME

- Computer Literacy Programme Level – VI was conducted with the specialization of basic skills in **Introduction to Networking** for 15 days from 07.12.2020 to 19.12.2020. Forty Students of 10, 11 and 12th standard were participated from Mother Terasa Anbu Illam, Thanjavur. Ms. V. Santhi, Assistant Professor, Dept. of Computer Applications & Ms.N. Ruba, Assistant Professor, Dept. of Computer Applications engaged the classes.

INTERNSHIP PROGRAMME

- Internship Programme was arranged for second year students from 11.01.2021 to 09.02.2021. 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.

FACULTY DEVELOPMENT PROGRMME

- Two days FDP on emerging trends in Data Science was organized on 27.01.2021 & 28.01.2021. Dr. A. Shaik Abdul Khadar, VP & Associate Professor, PG & Research Dept. of CS, Khadir Mohideen College, Adirampattinam, has engaged all the sessions.

ENDOWMENT LECTURE

- Endowment lecture on Cloud Applications was arranged on 05.02.2021 for the final year students. Dr. M. Ragupathi, Asst. Prof. of CS, AVVM Sri Pushpam College, Poondi, was the Resource Person.

FIELD VISIT

- Field visit on **Eco-friendly Farming** was arranged from 03.02.2021 to 04.03.2021 through online mode at Agricultural University, Coimbatore and Herbal Garden of our college. 118 students from I BCA attended and benefited.

CAREER GUIDANCE PROGRAMME

- The Department of Computer Applications organized Career Guidance Programme on Full Stack Development, dated on 19.02.2021. The Resource persons were Mr. M. Ramesh, Senior Manager, Quantum sys Tech Pvt. Ltd, Thanjavur and Mr. M. Dhanarajan, Managing Director & Corporate Trainer, Trichy. Totally 137 students participated from our department.

SENSITIZATION PROGRAMME

- A workshop – **Sensitization Programme on Cyber Security** was conducted on 26.02.2021. The Resource Person Dr. J. Selvam, Head & Assistant professor of Computer Science, Annai Vailankanni Arts and Science College, Thanjavur, has addressed. Totally, 124 final year students were attended.
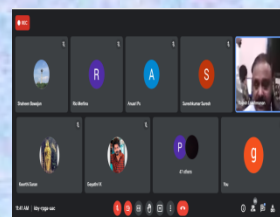
RENOVA'21- INTERNATIONAL LEVEL TECHNICAL SYMPOSIUM

- On 3rd March 2021 Department of Computer Applications organized **International Level Technical Symposium-RENOVA'21**. Mr. B. Thangapandian, CEO – Certify TN, Certiport, Microsoft Training Division, India, was the chief guest. 165 participants from 8 colleges participated in it. The Overall championship was bagged by Bishop Heber College, Trichy.

NATIONAL LEVEL WORKSHOP

- One day Workshop on AJAX in PHP was conducted on 25.03.2021. Mr. A. J. Sasikanth, Managing Director, Sky Tech Solution, Thanjavur, has engaged the session. 124 students of III BCA were attended and benefitted.

STUDENT ACHIEVEMENTS

- ❖ Ms. V. Varsha of III BCA 'B' and Ms. N.S. Devadharshini of II BCA 'A', Ms. Saathithya of II BCA 'B' were participated in "Awareness Quiz on World AIDS Day", organized by Red Ribbon Club, Bon Secours College for Women, Thanjavur held on 01.12.2020.
- ❖ 31 students from III BCA 'A' & 'B' were completed a course on "Employability Skill Training in Technology and Soft Skills", organized by Bon Secours College for Women, Thanjavur from 22.02.2021 to 10.03.2021.
- ❖ Ms. E. Dinusha and Ms. G. Kavya of II BCA 'A' has participated in the online "National Science Day Quiz" conducted by YRC Unit of Rajah Serfoji Govt. College (Auto), Thanjavur on 28.02.2021.
- ❖ Ms. S. Kavya, Ms. E. Elakkiya and Ms. N. Kiruthika of III BCA 'A' has participated in two days "Virtual National Webinar on Emerging Trends in Technology of Physical Science" on 19th & 20th April 2021, organized by the Department of Computer Science and Mathematics, Bon Secours Arts & Science College for Women, Mannargudi.

FDP, WORKSHOP & SEMINAR ATTENDED BY STAFF MEMBERS:

- Ms. M. Jancypriya, Assistant Professor, Department of Computer Applications, participated in 12 Hours of Faculty Development Program on "Introduction to Angular JS"(Online Live FDP), conducted by ICT Academy on 22nd to 27th Feb. 2021.
- Ms. R. Gomathijayam, Head & Assistant Professor, Department of Computer Applications, participated in 12 Hours of Faculty Development Program on "Introduction to Big Data Analytics"(Online Live FDP), conducted by ICT Academy on 19th to 23rd April 2021.
- Dr. M. Florence Dayana, Ms. M. Jancy Priya, Ms.V.Santhi, , Ms. S.Jamuna, Ms. N. Ruba, Ms. D. Seethalakshmi , Ms. G. Sripriya, Ms. R. Vinodhini, Ms. S. Arista, Assistant professors, Department of Computer Applications participated in FDP on Emerging Trends in Computer Applications, organized by Department of Computer Science and Applications in association with Computer Society of India, Thanjavur Chapter from 19.04.2021 to 24.04.2021.

STAFF ACHIEVEMENTS

- Ms. M. Florence Dayana, Assistant professor of Computer Applications, has acted as an Exam Coordinator for Tamil Nadu Uniformed Services Recruitment Board Written Examination on 13.12.2020.
- Ms. M. Florence Dayana, Assistant professor of Computer Applications has presented her Ph.D., Public Viva-Voce Examination through Online Mode on 24.03.2021.

STAFF PUBLICATIONS

- Ms. R. Gomathi Jayam has published a paper on "Research about College Vehicle Automation", International Journal of Innovative Research in Technology, This paper has been published in International Standard Serial Number (ISSN: 2349-6002, Vol.-07, Issue-11, Apr-2021- UGC Approved Journal Number:47859).
- Ms. M. Florence Dayana has published a paper on "Distance Calculation for Underground Cable Fault", International Journal of Innovative Research in Technology, This paper has been published in International Standard Serial Number (ISSN: 2349-6002, Vol.-07, Issue-11, Apr-2021- UGC Approved Journal Number:47859).

ACADEMIC PROFICIENCY

- Dr. M. Florence Dayana, Ms. R.Gomathi Jayam, Ms. V. Santhi, Ms. S. Jamuna, Ms. N. Ruba, Ms. G. Sripriya, Ms. D. Seethalakshmi and R.Vinothini Assistant Professors of

Computer Applications produced **Cent Percentage Result** during the academic year 2020-2021.

CONCLUSION

- As the nature of computer technologies has a never-ending cycle of innovation rooted in it, our focus is on increasing the standard of the teaching and learning to gain importance in research and academics. To set high standards in teaching and learning, to enable a bright career path for the students, we create a culture that fosters excellence and creativity and we focus to mold the next generations to use emerging technologies for betterment of society and prepare them to solve real-world problems.