

DEPARTMENT OF COMPUTER SCIENCE

NEWS LETTER-(2022-23) EVEN SEMESTER

ABOUT THE DEPARTMENT

The Computer Science department has been functioning in the college since 2002 .It has become wider with the introduction of PG-M.Sc., CS in the academic year 2010. It has a well equipped UG & PG lab with latest system configurations. Department have their own association named “BIOS-CS – Bon Secours Integrated Operating System- Computer Science”. and it strives to mould the students as digital professionals to build a prosperous society and contributes to the IT fields by conducting various seminars/conference/ workshops and symposium to motivate the students. It has earned their reputation for academic excellence by securing top ranks in the university with remarkable placement of our students in various companies. At present our strength comprises of 415 students in UG & PG. We have a good team of faculty members, who dedicated and involved to promote educational values among the students.

ADMINISTRATIVE TRAINING PROGRAMME ON COMPUTER HARDWARE AND MAINTENANCE FOR NON-TEACHING STAFF

The Programme was organized by the Department of Computer Science on December 15, 2022. 15 non-teaching employees benefited from this programme. The hardwassssre and

networking person at Bon Secours College for Women in Thanjavur is Mr. A. Sathrock Major. He gave a practical lesson on computer parts and the proper way to connect peripherals to the system. He also imparted knowledge regarding system upkeep.



WORKSHOP ON DATA HANDLING USING PYTHON AND VISUALIZATION

The Department of Computer Science hosted Workshop on Data Handling using Python and



Visualization. A workshop's goal is to perform data handling and visualisation using Python. Mr.N.Logeshwaran works for Scion & Research Development ,Thanjavur as a technical trainer. He offered technical training to students in order to help them

develop core technical skills using the most recent industry trends and technologies. He also works as a project developer. The Program taught the students how to develop projects in Python and encourages them to explore new areas of interest. Data mining tools such as python pandas, matplotlib, and seaborn can be used to analyse, visualise, and interpret data. Data visualisation creates an organised pictorial representation of the data, making it easier to understand, observe, and analyse Python includes a number of libraries with various data visualisation features. This programme attracted 150 students.



HACKATHON-2022



The Department of Computer Science hosted Hackathon-2022 on December 20, 2022 at 10 a.m. in St. Joseph's Auditorium. The hackathon was divided into five themes. The hackathon's goal was to complete working software or hardware by the end

of the event. It usually has a specific focus, such as the programming language used, the operating system, an application, an API, or the subject and demographic group of the programmers. Dr. Kalaivani, IQAC Co-ordinator, Bon Secours College for Women, Thanjavur, and Mrs. Kathioli, IIC - Coordinator,

Bon Secours College for Women, Thanjavur served as Judges for the Program. The Activity's Outcome .It was a series of time-limited events in which participants worked in groups to develop projects that interested them. It was used in a variety of fields to develop creative ideas, encourage learning, create and grow communities, and address technology problems. Students actively shared their ideas about leveraging sensors and developing applications during this hackathon programme. The majority of students provided creative ideas to the sphere of technology. The resource person had a conversation with the children about their concepts and how they wished to see the new ideas developed. 190 people took part in the programme, and the most creative concepts received overall prizes.

INTERCOLLEGIATE TECHNICAL SYMPOSIUM TECHINFLR-2K23

The Department of Computer Science organized Techniflr-2K23 on 02.02.2023 .

The main objectives of intercollegiate activities centre on the levels of the individual student, the institution, and the larger community. The Programme was inaugurated by the blessings of Secretary, Director and Principal of Bon secours College For Women. Thanjavur. The event's chief



guest was Dr. S. Chithra Devi, principal of Queens College of Arts and Science for Women in Punalkulam. She praised our students' accomplishments as rank holders in her speech, as well as Bharathidasan University in Trichirappalli and the motivational ideas regarding today's modest

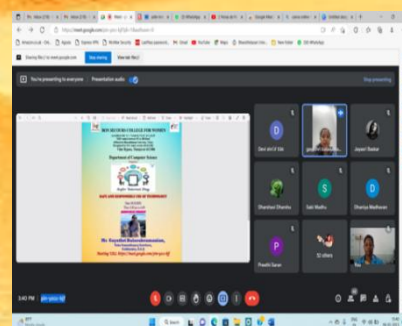


world. The activity's end result was the development of numerous talents, which are crucial to the college experience. knowledge gained via technological events. It not only gives information about non-technical events, but it also

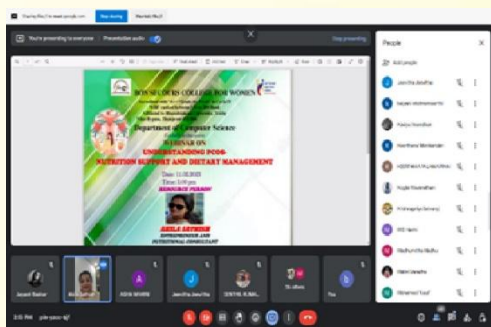
aids in the development of organising abilities, such as mentoring, conflict resolution, leadership, marketing, and public relations and Community building. There were 240 students who took part in this programme. In terms of overall champion, Bishop Heber College triumphed.

NATIONAL SAFER INTERNET DAY

As a Celebration Activity, the Department of Computer Science organised the Safer Internet Day Programme on February 8, 2023. The day's goal is to promote safe and secure internet use. The Resource Person was Ms Gayathri Balasubramanian, Tata Consultancy Services, California, U.S.A. She talked about protecting your privacy, preventing cyberbullying and harassment online, and providing information and resources to help you stay safe online. To build a safer and more secure internet, where everyone can use technology responsibly, respectfully, and creatively. The widespread use of technology has sparked a heated debate about how new technologies should be managed and governed. This programme has 93 students enrolled.



WEBINAR ON UNDERSTANDING PCOS- NUTRITION SUPPORT AND NUTRITIONAL MANAGEMENT



On Tuesday, February 11, 2023, the Department of Computer Science hosted a Webinar on Understanding Pcos- Nutrition Support and Nutritional Management. The day's objective is to spread awareness of the most recent, empirically supported studies on PCOS through

dietary management and nutrition support. The Resource Person was Akila Sathish ,Entrepreneur and nutritional consultant from Chennai. She works as a business coach, traveller, and motivational speaker in addition to being an entrepreneur and nutritional consultant in Chennai.

INTERNSHIP PROGRAMME

The Twenty Students of I M.Sc has successfully completed the Internship Training in Distributed Architecture from 14-02-2023 to 10-03-2023 in Periyar Maniammai Institute of Technology, Vallam, Thanjavur & 112 students from II B.Sc Computer science has also successfully completed the Internship Training in Advance Database Management Systems in Scion Research & Development, Thanjavur & Infosystems, Thanjavur.

FIELD TRIP

The Department of Computer Science organized Field Trip, on 17th February 2023 at “Periyar Maniammai University”, Vallam, Thanjavur. The 120 students of Ist Year B.Sc (Computer Science) along with 3 faculty members visit the Eco-System Greenly environment, Recycling Methods , solid waste Management and Robotics Lab.

NATIONAL SCIENCE DAY

Deanary of Science and Technology & Institution innovation cell of Bon Secours College for Women, Celebrated National Science Day on Feb 28,2023.The Theme of the Event was “Action plan On Sustainable Development Goals 2023”.on that day all around 4000 students carried pamphlets about 17 Sustainable Development goals, in order to create awareness and action plan towards Sustainable development. The Students were educated about the 17 goals, and its importance. We created a record by raising the pamphlets of the 17 Sustainable Development goals in the blueprint, which were captured by the drone camera which is held in our college terrain in the presence of our secretary, Director and all the faculty members.

EXTENSION PROGRAMME

Department of Computer Science conducted on “**Extension Programme on Skill Enhancement Training in Computer Science**” at Government Seva Ilam, Thanjavur, on 15.03.2023. Ms.S.Pushpavalli and Ms.A.Daisy Rani, Assistant Professor Dept of CS, went & took the classes for 12th Standard students. We taught them prescribed syllabus for the 12th Standard students. Total 23 students participated and got benefited.



EXTENSION PROGRAMME

Department of Computer Science conducted on “**Extension Programme on Computer Literacy**” at Government Seva Ilam, Thanjavur from 16.03.2023 to 17.03.2023.

Day 1: The Programme began with a welcome speech by Dr.S.Sahana. Dr.K.Kalyani Assistant Professor Dept of CS, delivered the lecture on Computer Hardware and Software Installation. She discussed about precaution taken to avoid risks when replacing, installing, upgrading hardware components and Applications.

Day 2: Ms.M.Saritha and Ms.S.Bruntha Assistant Professor Dept of CS, given valuable



guidance to all participants about installation skills social awareness of Hardware and



Software Installation and opportunities. She expresses her view on basic installation process and replacing, upgrading hardware components and also to help them be better Computer Identify, install, configure, and upgrade various computer components.

OUTREACHED PROGRAMME

The Department of Computer Science conducted an “**Outreached Programme on Safe Internet Banking &UPI transaction**” at Bon Secours College for Women, Thanjavur on 21.03.2023

The Resource Person **Mr. Aswath Raman K,Chief Manager, Indian Overseas Bank,Regional Office**, Thanjavur delivered the Speech on how the handle the transactions in the authenticated way and make the username and password in the secure manner inorder to make our digital transaction on safe internet banking and we created hundred accounts of our students in Indian Bank as a Outreached Programme.



STUDENT ENRICHMENT PROGRAMMES

- ❖ On 07.01.2023 at Thiruvaiyaru, R.Kiruthika 1st b.sc (cs) played violin in the Thiruvaiyaru Thiyagarajar Aradhanai Vizha.



- ❖ Ms K.Ramya II-CS,B secured IV-Prize in Republic day Celebration conducted by National Level held at delhi on 21.01.2023



- ❖ Ms G.KrishnaShree of II B.Sc., Computer Science, Bon Secours College for Women, Thanjavur has participated in National Youth Festival NSS Camp at Karnataka,Hubballi,Dharwad

- ❖ Ms S.Gunavarthini of III B.Sc., Computer Science, Bon Secours College for Women, Thanjavur Won Gold Medal in South Asian Federation of all Sports World Amateur Sports Council held at Bhutan



- ❖ Ms M.Abinaya I-CS,A secured third prize in Dance competition held at Don Bosco School

- ❖ MS K.Ramya II-CS,B secured III-Prize in Skit Programme conducted at BDU Fest,Trichy (21.12.2022)

- ❖ MS K.Vijayalakshmi II-CS,B secured II-Prize in MIME Programme conducted at BDU Fest,Trichy on 21.12.2022



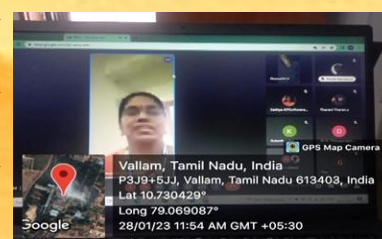
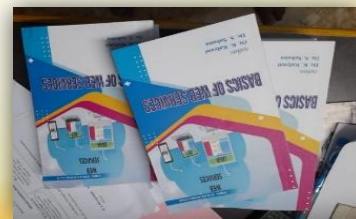
- ❖ MS K.Ramya II-CS,B secured III-Prize in Dance Programme conducted at Sri Pushpam college ,Poondi on 11.02.20023

PAPER PUBLICATION BY THE STUDENTS

| Students | Title | Publication |
|-------------------|--|--|
| V. Devi shri | Visitor detection with integrated name plate | International Conference on Information Technology & Applications Sk Research Group of Companies-SKRGK Publication-20Th MARCH 2023 ISBN: 978-93-95341-59-2 Organized by Department of IT,Bon Secours College,Thanjavur |
| B. Dayana | Automatic preservation system to avoid formalin in fisheries based on artificial intelligence | |
| R. Sneha | An innovative scrap collecting vehicle for class room cleaning mechanism | |
| M. Deepika | Smart library with RFID based book tracking | |
| K. Narmatha | Bus arrival maintenance through sensor for campus | |
| S.Punitha | Automatic accident detection using an android app and notification of all closest locations for user and emergency | |
| N. Swetha | Drinking water power saving system using preprocessing technique based on k-nearest neighbour algorithm | |
| J.Priya dharshini | An innovative approach in college library booting system based on RFID using sequential pattern techniques | |
| K.Keerthana | A single card solution for many activities maximizing smart card for public use | |
| M. Bhuvaneswari | Cellular through electrical appliances control with multi channel controlling system for college | |
| J. Maria Faustina | Automatic intelligent energy metering and digital billing an android and notification | |
| S. Saranya | System for managing records and applications for scholarship online | |
| S. Soumiya | Allotment of hostel room portal for the college | |

Staff Enrichment Programmes

- ❖ On December 12, 2022, Dr. K.Kalyani and Dr. S.Sahana published a book on the fundamentals of web services, which was published by SK Research Group Of Companies in Madurai, with the ISBN 978-93-95341-15-8.
- ❖ Dr.K,Kalyani, Asst Prof, Department of Computer Science, Bon Secours College for Women, Thanjavur acted as a resource person on the topic webinar on data protection via online mode on 28.01.23 organised by the department of software engineering, Periyar Maniammai Institute of Science and Technology, Thanjavur.
- ❖ Dr.S.Sahana along with Advance Learners of Under Graduate students B.Jaya Sakthi, T.Leona, T.Deepa, S.Harini , P.Ammu Sankaravalli and C.Divya was published a book entitled as “**Initial Format of C**” which was published by Notion press on January 2023 in the following ISBN – 13 979-8889515241
- ❖ Ms. S.Bruntha, Assistant Professor, Dept. of Computer Science, participated in FDP on Cyber Security in Naan Mudhazhvan held at Bharathidasan University ,Kajamalai campus from 06-02-2023 to 10-02-2023
- ❖ Ms. S.Pushpavalli, Assistant Professor, Dept. of Computer Science, participated in FDP on Fundamentals of Microsoft Skills in Naan Mudhazhvan held at Bharathidasan University ,Kajamalai campus from 09-02-2023 to 10-02-2023







BON SECOURS COLLEGE FOR WOMEN

Accredited with 'A++' Grade by NAAC in Cycle II
UGC Recognized 2(f) & 12 (B) Institution
Affiliated to Bharathidasan University, Trichy
VILAR BYPASS, THANJAVUR -6.

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APRIL 2023

