



DEPARTMENT OF COMPUTER SCIENCE

NEWS LETTER 2021-2022

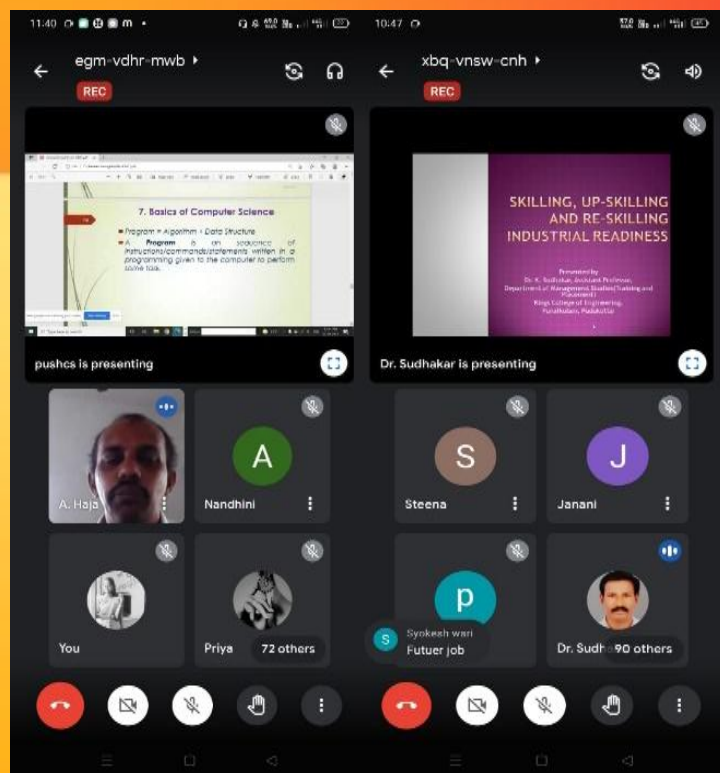
ODD SEMESTER

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 laboratory with latest system configurations. The Department has its 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/conferences/workshops and symposiums to motivate the students. It has earned their reputation for academic excellence by securing top ranks in the University with remarkable Placement record. At present our strength comprises of 361 students in UG and 53 students in PG. We have a good team of faculty members, who are dedicated to promote educational values among the students.

FOUNDATION COURSE PROGRAMME

From September 20, 2021 to September 26, 2021, the staff members of the Department of computer science organised a Foundation Course Programme for UG Freshers. D.Regupathy, A.V.V.M Sri Pushpam College, Thanjavur, Dr.K.Sudhakar, Assistant Professor, Placement Cell, Kings College of Engineering, Punalkulam, and Dr. A. Haja Abdul Khader, Assistant Professor PG & Research Department of Computer Science, Khadir Mohideen College, Adirampattinam were the resource persons. They provided detailed lectures on Industrial Readiness,



Skilling, Upskilling, and Reskilling –Industrial Readiness.

INTERNSHIP PROGRAMME

Thirty students from I M.Sc completed an internship in Android APP Development at Scion Research & Development in Thanjavur from October 5, 2021 to October 30, 2021. A total of one hundred and twenty-one undergraduate students participated in internship programmes at ten different companies.



NAAC VISIT

On December 10th and 11th, 2021, NAAC Peer team visited our college. Peer team members visited our Laboratory and department. Our students enthusiastically participated and present her own inventions and models.

STUDENT ENRICHMENT PROGRAMMES

- ❖ H. BahmedaRuslin, J. Afrose, U. Aishwarya,, B. Jaya Sakthi of II CS ‘A’ participated in the ‘yoga for unity and well being’ 100 daya of yoga pogram ,March 14 to June 21 towards the International Day of Yoga 2021
- ❖ AfraaThilfer& H. BahmedaRuslin, II CS ‘A’ participated in World environment Day – Quiz PainthamilEllakkiyaPeravai
- ❖ S. Ashrath, Z. AfraaThilfar, H. BahmedaRuslin, T. Leona, S. Gunavarthini, U. Aishwarya, and I. Afrose II CS ‘A ‘ participated in the Online Quiz on Covid - 19 Awarness programme on 06.08.2021 organised by Youth Red Cross, conducted at Rajah Serfoji Govt. College, (Auto), Thanjavur .
- ❖ AfraaThilfar II CS ‘A ‘successfully completed the2 Hrs ONLINE Master Class on P2B#151 Google Colab Machine Learning App at Perfect Plan B Elearning Private Limited dated on 19.08.2021

- ❖ Our Six faculty Members participated in Rashtragaan an initiative by the ministry of culture to mark AZADI KA AMIT MAHOTSAV on 15th August 2021
- ❖ Ms B.Asha, Assistant Professor, Dept of Computer Science has participated in the NPTEL E-Awarenessworkshop,IIT MADRAS
- ❖ 17 students participated in the Online Quiz Programme of 152nd Gandhi Jayanti at Arputha College of Arts & Science for Women, Pudukkottai 02.10.2021
- ❖ S. Gayathri, K. Srividhya, Sr. L. Reetha, and R. Susmitha of II M.Sc attended Two day National Level Faculty Development Programme on IPR by IQAC St. Anne's Arts & Science College 08.10.2021 – 09.10.2021

STAFF ENRICHMENT PROGRAMMES

- ❖ The Six Staff members from Department of computer science participated in the NPTEL E-Awareness workshop,IIT MADRAS conducted on 21.08.2021.
- ❖ Ms. S.Puspavalli Assistant Professor, Dept of Computer Science participated in the National Level Online Hands on Workshop on Effective Presentation under Scrollwell Campus Connect Programme organized by St.George's Arts and science College, Chennai on 18.10.2021.
- ❖ Ms B.Asha and Ms. S.Puspavalli Assistant Professor, Department of Computer Science participated in the NPTEL E-Awarenessworkshop,IIT MADRAS conducted on 01.11.2022.
- ❖ Ms. B. Asha MCA, M. Phil, MA Published a paper on COLLEGE LAB MATERIAL ANTI THEFT ALARM in the International Journal of Research and Analytical Reviews (IJRAR) ISSN:2349-5162, Volume 9 Issue 2 May 2022, Impact factor:7.17 &Date of Publication: 06-05-2022
- ❖ Ms. B. Asha MCA, M. Phil, MA Published a paper on ULTRASONIC BLIND WALKING STICK International Journal of Scientific Research in Science and Technology (IJSRST)ISSN:2395-6011, Volume9 Issue 3 May 2022, Impact factor:7.214&Date of Publication: 13-05-2022.



BON SECOURS COLLEGE FOR WOMEN

Accredited with 'A++' Grade by NAAC in Cycle II

Affiliated to Bharathidasan University, Trichy

Recognized by UGC under section 2(f) & 12(B)

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DEPARTMENT OF COMPUTER SCIENCE



NEWS LETTER

DECEMBER 2021



DEPARTMENT OF COMPUTER SCIENCE

NEWS LETTER 2021-2022

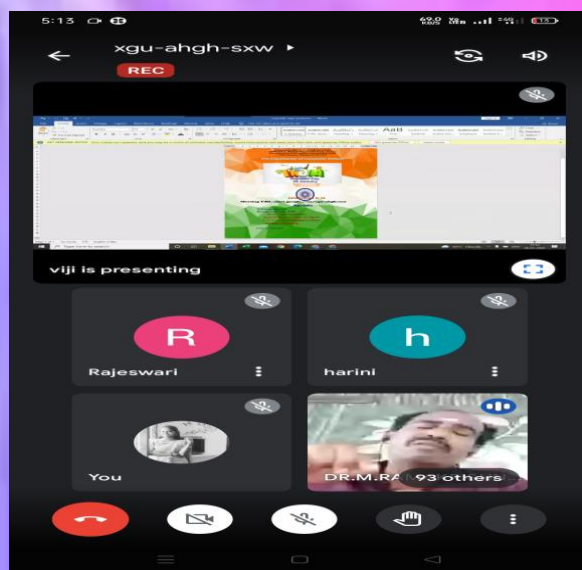
EVEN SEMESTER

ABOUT THE DEPARTMENT

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International day

On January 26, 2022, an international day was observed during the Republic Day Celebration. Meeting URL: meet.google.com/xgu-ahgh-sxw. Dr. M. Ramakrishnan, Assistant Professor, Department of Tamil, A.V.V.M Sri Pushpam College, Poondi, Thanjavur, was the resource person.

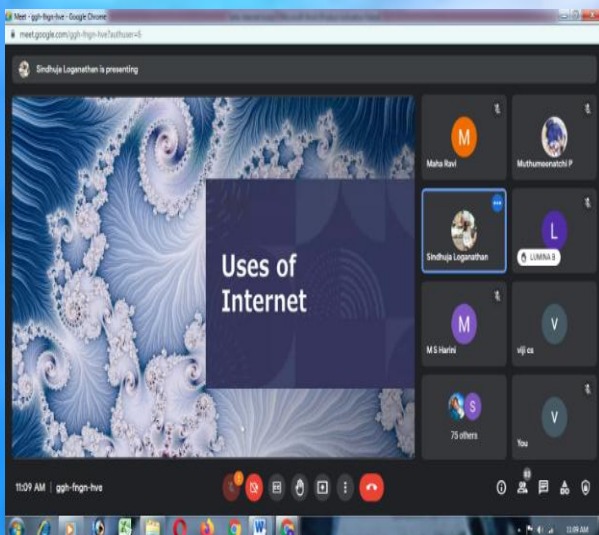
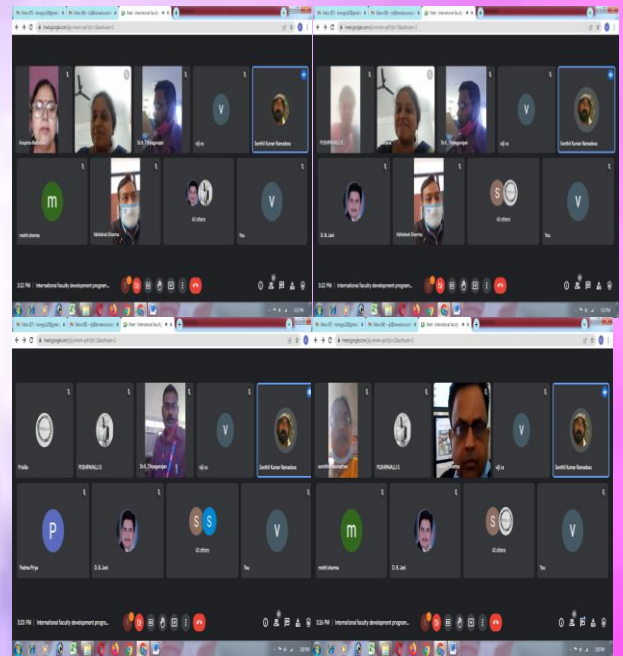
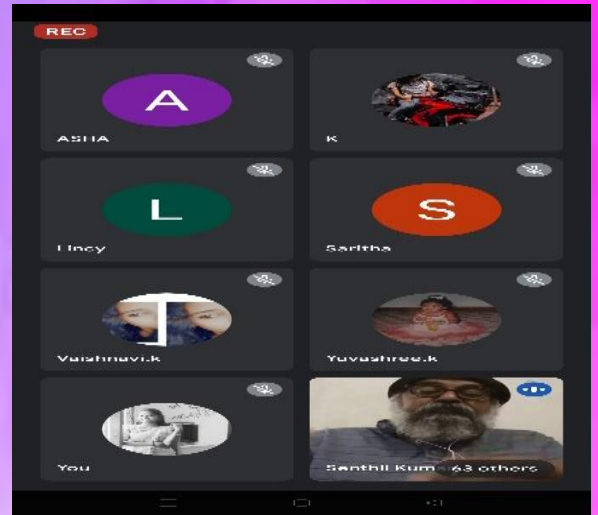


International Workshop

The Department of Computer Science organized International Workshop on Machine Learning in Artificial Intelligence on 28th January, 2022 with Meeting [URL:Meet.google.com/wjn-dpvs-sxb](https://meet.google.com/wjn-dpvs-sxb). Dr.Senthil Kumar Ramadoss, Associate Professor, Department of Computer Science, Ambo University, Ethiopia, NE Africa, gave an enriching talk on Trends and patterns identification of AI.

Faculty Development Programme

The Department of Computer Science conducted Five day online Faculty development Programme on “**TRENDS IN TECHNOLOGICAL INTELLECT**” on 08-02-2022-12.02.2022.This programme presented real-world technology trends along with their potential contributions to organisational success.Five eminent experts from various parts of the Country were invited to share their wisdom and vast experience on the topic.The First day speaker of the opening day was Dr. K. Velmurugan, ME., MBA., Ph.D, Head & Associate Prof, AAAMEC, Kovilvenni, Thanjavur, Tamilnadu, INDIA.The speaker for the second day session was Mr. P. Rajapirian, (Ph.D), Asst Prof, Kings Engineering College, Pudukkottai, Tamilnadu, INDIA.The speaker for the third day was Mr. Senthil Kumar Ramadoss, (Ph.D), Asst Prof , AMBO University, Ethiopia, NEAFRICA.The speaker for the fourth day was Dr.D.Hema ,Asst Prof, Lady Doak College, Madurai,



Tamilnadu, INDIA.The speaker for the fifth day was Mr.Er.S.Needhi Devan, Graduate Assistant, California State University, San Bernardino, California, USA.

National Safer Internet Day

The Department of Computer science organized “**Safer Internet Day**” on February 8th 2022 to provide students with cyberbullying to social networking and aims to raise awareness of emerging online issues and current

concerns. The Programme focused on the topic “Internet – Safer Way to Browse”. The Resource Person was Ms. Sindhuja Loganathan, Senior Project Engineer, Wipro Limited, Bangalore. 93 students of our final UG and II PG attended this program. The programme ended with Vote of thanks delivered by Ms. S. Sahana, Assistant Professor, Department of Computer Science.



Career Guidance programme

The Department of Computer science organized the **ICT-Career Guidance programme “Networking and Security on 10.02.2022**. Mr. V.N. Ramalingam, Technocrat, Founder & Director of Entrust Techno Services delivered the lecture on Purposes of Career Guidance Programs, Learning & Life Skills and Professional Personalities.

Endowment Lecture on Internet of Things

21-02-2022: BIOS CS Association, the Department of Computer Science was organized an “**Endowment Lecture on Internet of Things**” for II B.Sc., CS. 112 Students actively attended the lecture and learned recent technologies of Internet of things. Ms. A. Daisy Rani, Assistant Professor, Department of Computer Science, Auxilium Arts and Science College for Women, Regunathapuram, gave an enriching talk on IOT Architecture and enabling technologies for IOT.



Endowment Lecture on Data mining

25-02-2022: BIOS CS Association, Department of Computer Science organized an “**Endowment Lecture on Data mining**” for I & II M.Sc., CS and 48 students participated.

Dr. D. Nilavu, Assistant Professor, Department of Computer Science, Nallikuppasamy Arts & Science College for Women, Thanjavur was the resource person.



ICT Programme

On 18.03.2022 our department organized ICT Programme on “**ICT – Workshop on How to Design Awesome Effects using Photoshop and Digitalized**”. The Resource Person was Sr. Cintrella, B.ScViscom, DFT in Film Direction, IDMC Coordinator, Bon Secours college for Women, Thanjavur. There were 121 students who participated in this session. Enthusiastically.



Extension Programme

BIOS CS Association, Department of Computer Science organized an **Extension Programme on “Using Network Tools”** at Ganesh Vidyalaya Middle School, Thanjavur on 05.04.2022. Students from 6th, 7th and 8th standard energetically participated and learned all the computer peripherals and network Tools.



Administrative Training Programme

The Department of Computer Science organized “**Administrative Training Programme on serviceability of Mobile Era for Non-Teaching Staff**” on 27th April, 2022. Around Fifteen non-teaching staff members participated in the training programme. Dr. S. Sahana Assistant Professor, Department of Computer Science, welcomed the Non teaching members of our college. Ms. S. Pushpavalli, Assistant Professor, Department of Computer Science, handled the session to explore the serviceability of mobile era, sharing the information through smart phones, hiding the profile information and usage of smart phones. At the end of the session, Ms. S. Melita Assistant Professor Department of Computer Science delivered the vote of thanks.



Entrepreneur Programme

Our Department and IIC jointly organized a Session on “**How To Build A Business Model Canvas**” on 28.04.2022. In this Session , the main objective was to motivate people to understand Business Model Canvas

and to make them successful entrepreneur . Inaugural session started through offline by 12.00 P.M to 1.00 P.M presided over by Ms N.Vijayalakshmi , Head of the Department. The Programme started with Welcome address and Introduction of the Resource Person. Student Representative of I M.Sc(CS). 148 Students benefitted by this Programme. Mr S.Saravanan,Assistant Professor ,Marketing & Strategy Gnanam School of Business,Mary’s Nagar, Trichydelivered the lecture on Phases and Importance

of Entrepreneurial Development Programme.



Entrepreneur Programme

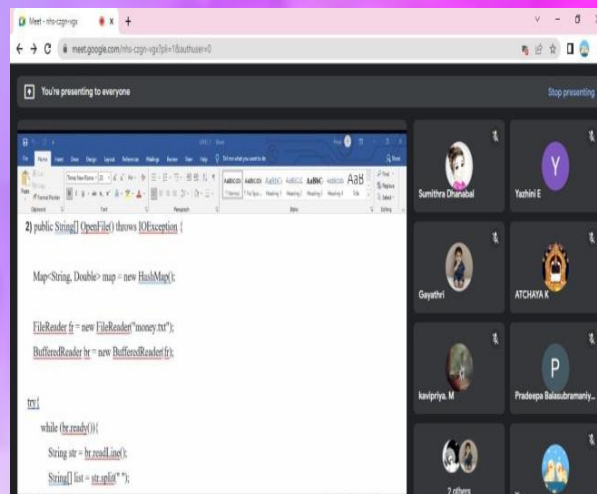
Our Department Of Computer Science and IIC Jointly Organized **Ignition of Experimental Learning To Become An Entrepreneur Using Robotics** on 28.04.2022.In This Session, the Main Objective was“To Motivate People For Entrepreneurship and to make them A Successful Entrepreneurs”.

Mr.RiyasdeenSamsudeen, Entrepreneur, Founder & CEO at Spezar Tech Pvt. Ltd, Junior R & D Lead at INRO Labs & Robotics,Industrial Automation , Space Science & Satellites was the resource person.Inaugural session was started through Google Meet(online) by 11.00 A.M to 12.00 P.M presided over by Ms N.Vijayalakshmi , Head of the Department. The participants during the online inaugural session were all the Faculties of computer science department and the students. The Programme was started with Welcome address and Introduction about the Resource Person delivered by Ms.Archana, Student Representative of I M.Sc(CS).



National Intercollegiate Technical Symposium

The Department of Computer Science organized “TECHINFLR-2022”-ATIONALINTERCOLLEGIATE TECHNICAL SYMPOSIUM on 29.04.2022. This Symposium aimed at offering the students an opportunity to reveal their talents and also exhibit their technical skill. The events such as “Ideathon, Brain buster & Debugging” were conducted. Twenty Students participated through Google meet.E-certificate was given to the Prize Winners.



Career GuidanceProgramme

On 30.04.2022 our department organized “Career Guidance on Trending Technologies”. The Resource Person was Ms. Gayathri, CADD Centre, Thanjavur. 146 students attended and got benefitted.

Field Trip

The Department of Computer Science under took a Field Trip, on 30.04.2022 to “valamarkottai,kattur, Thanjavur. The main concept of the field work was based on land resources like agriculture field, bore well, river and bridge. One hundred and fourteen I UG studentsalong with four Staff gained the real –life information, natural events, observed the place and contextual learning.

National Technology Day

The Deanery of Computer Studies & Technology Organized National



Technology Day on 11.05.2022. Dr. M. Manikandan, Assistant Professor, PG and Research Department of Computer Science, Marudupandiyar College, Thanjavur was the resource person.

Student Enrichment Programmes

- ❖ H. Bahmeda Ruslin, J. Afrose, U. Aishwarya, B. Jaya Sakthi of II CS 'A' participated in the 'yoga for unity and well being' 100 days of yoga program, March 14 to June 21 towards the International Day of Yoga 2021
- ❖ Afraa Thilfer & H. Bahmeda Ruslin, II CS 'A' participated in World Environment Day – Quiz Painthamil Ellakkiya Peravai
- ❖ 17 students participated in the Online Quiz Programme of 152nd Gandhi Jayanti at Arputha College of Arts & Science for Women, Pudukkottai 02.10.2021
- ❖ S. Gayathri, K. Srividhya, Sr. L. Reetha, and R. Susmitha of II M.Sc attended Two day National Level Faculty Development Programme on IPR by IQAC St. Anne's Arts & Science College 08.10.2021 – 09.10.2021
- ❖ Sr. L. Reetha, K. Srividhya, and P. Suguna participated and successfully completed the "Online Puzzle" to commemorate "National Youth Day" organized by Stella Mary's College of Engineering, Kanyakumari on 12.01.2022
- ❖ P. Suguna participated in "Importance of Planting Trees" webinar held on 24.01.2022 organized by Green Hills Club, Don Bosco College, Yelagiri Hills
- ❖ Ms Varsha.R II CS participated and secured II prize in Science quiz in the National Science Day-2022 competition organized by Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur
 - ❖ V. Archana, V. Devishri, K. Srividhya, Sr. L. Reetha, and P. Suguna successfully completed online Technical Quiz-Internet of things conducted by Khadir Mohideen College, Adirampattinam dated on 15.03.2022
- ❖ S. Malini Sree, III -CS for secured III Prize in Folk Song Solo at BonFest'22, Interdepartmental Cultural Convergence on 15.03.2022 & 16.03.2022.
- ❖ Sr. L. Reetha of II M.Sc CS for secured III place in Collage at BonFest'22, Interdepartmental Cultural Convergence on 15.03.2022 & 16.03.2022.

- ❖ P. Muthu Meenatchi of II CS for secured II Prize in Poster Making at the BonFest'22, Interdepartmental Cultural Convergence on 15.03.2022 & 16.03.2022.
- ❖ Ten Students of under graduate participated in the event Quiz/connexion/Photography conducted as apart of "VYUGAS 2022" a National Technical Symposium organized by the department of computer science, SRM Trichy Arts & Science College on 11.04.2022
- ❖ JayaSakthiBaskar was awarded '**Best poet award**' the great achievement as a self-published author in the literary field in the month of 14th April 2021.

Paper Publication by the Students

- ✓ Ms. A. Preethi & T. Saranya,
VOICE BASED NOTICE BOARD USING ANDROID APPLICATION
Journal of Emerging Technologies and Innovative Research (JETR) ISSN:2349-5162,
Volume 9, Issue 5, May-2022, Impact Factor:7.95.Date of Publication: 10-05-2022.
- ✓ Ms. K. Seetha Lakshmi & P. Dhesika,
ADVANCED WOMEN SECURITY SYSTEM BASED ON ANDROID
International journal of Research and Analytical Reviews (IJRAR) ISSN:2349-518,
Volume 9, Issue 2, May-2022, Impact Factor:7.17.Date of Publication: 03-05-2022.
- ✓ Ms. L. Reetha,
REAL TIME COLLEGE BUS TRACKING APPLICATION FOR STUDENTS AND
BUS ENTRY TIME AUTO UPDATE IN COLLEGE GATE USING ANDROID APP
Journal of Emerging Technologies and Innovative Research (JETR)
ISSN:2349-5162, Volume 9, Issue 5, May-2022, Impact Factor:7.95.Date of
Publication: 06-05-2022.
- ✓ Ms. R. Susmitha,
ENHANCING SOLAR POWER LED STREET LIGHTING WITH AUTO
INTENSITY CONTROL
International journal of Research and Analytical Reviews (IJRAR) ISSN:2349-5138,
Volume 9, Issue 2, May-2022, Impact Factor:7.17.Date of Publication: 03-05-2022.

- ✓ Ms. M. Rajalakshmi,
AUTOMATIC BARRIER CONTROL OF ZEBRA CROSSING OF ROADS
Journal of Emerging Technologies and Innovative Research (JETR)
ISSN:2349-5162, Volume 9, Issue 5, May-2022, Impact Factor:7.95.Date of Publication: 06-05-2022.
- ✓ Ms. S. Dharani,
DESIGN OF KNOWLEDGE BASED REAL TIME MONITORING SYSTEM FOR AQUACULTURE USING IOT
Journal of Emerging Technologies and Innovative Research (JETR)
ISSN:2349-5162, Volume 9, Issue 5, May-2022, Impact Factor:7.95.Date of Publication: 06-05-2022.
- ✓ Ms. T. Rajeshwari,
COLLEGE LAB MATERIAL ANTI THEFT ALARM
International Journal of Research and Analytical Reviews (IJRAR)
ISSN:2349-5162, Volume 9 Issue 2 May 2022, Impact factor:7.17.Date of Publication: 06-05-2022.
- ✓ Ms. S. Jamuna,
DESIGN AND IMPLEMENT OF AUTOMATIC FIRE DETECTION AND MONITORING IN FOREST ZONE
International Journal of Scientific Research in Science and Technology (IJSRST)
SSN:2395-6011, Volume 9 Issue 3 May 2022, Impact factor:7.214.Date of Publication: 13-05-2022.
- ✓ Ms. S. Madhumitha,
ULTRASONIC BLIND WALKING STICK
International Journal of Scientific Research in Science and Technology (IJSRST)
ISSN:2395-6011, Volume 9 Issue 3 May 2022, Impact factor:7.214.Date of Publication: 13-05-2022
- ✓ Ms. R. S. Shreeharini& V. Durga Devi
Lab Automation System
International Journal of Research and Analytical Reviews (IJRAR)

ISSN:2349-5138, Volume 9 Issue 2 May 2022, Impact factor:7.17.Date of Publication: 03-05-2022

Staff Enrichment Programmes

- ❖ The Six Staff members from Department of computer science participated in the one-week online FDP ON “RESEARCH METHODOLOGY”, held from 01.02.2022 to 05.02.2022 organized by Sona College of Arts and Science, Salem-05
- ❖ Ms.N.Vijayalakshmi Head & Assistant Professor & Ms B.Asha, Assistant Professor, Dept of Computer Science has participated in the virtual one day International Faculty Development Programme on “Auto ML” organized by the department of computer Science,LadyDoakCollege,Madurai on 4th march 2022
- ❖ Ms.N.Vijayalakshmi Head & Assistant Professor received Rs.7500 from TNSCST Student project scheme on the title Automatic barrier control in zebra crossing of roads
- ❖ Mrs. N. Vijayalakshmi M.Sc., M.Phil., Published a paper on Lab Automation System in the International Journal of Research and Analytical Reviews (IJRAR) ISSN:2349-5138, Volume 9 Issue 2 May 2022, Impact factor:7.17 & Date of Publication: 03-05-2022
- ❖ Mrs. N. Vijayalakshmi M.Sc., M.Phil., Published a paper on Automatic Barrier Control Of Zebra Crossing of Roads in the Journal of Emerging Technologies and Innovative Research (JETR)ISSN:2349-5162, Volume 9, Issue 5, May-2022, Impact Factor:7.95 & Date of Publication: 06-05-2022.
- ❖ Ms. B. Asha MCA, M. Phil, MA Published a paper on Design of Knowledge Based Real Time Monitoring System For Aquaculture Using Iot in the Journal of Emerging Technologies and Innovative Research (JETR)ISSN:2349-5162, Volume 9, Issue 5, May-2022,Impact Factor:7.95Date of Publication: 06-05-2022.
- ❖ Ms. B. Asha MCA, M. Phil, MA Published a paper on COLLEGE LAB MATERIAL ANTI THEFT ALARM in the International Journal of Research and Analytical Reviews (IJRAR) ISSN:2349-5162, Volume 9 Issue 2 May 2022, Impact factor:7.17 &Date of Publication: 06-05-2022
- ❖ Ms. B. Asha MCA, M. Phil, MA Published a paper on Ultrasonic Blind Walking Stick International Journal of Scientific Research in Science and Technology (IJSRST)ISSN:2395-6011, Volume9 Issue 3 May 2022, Impact factor:7.214&Date of Publication: 13-05-2022.

RANK HOLDERS

| | | |
|---|--|-----------------------|
|  | S.ANUSHIYA III-B.Sc.,CS (2018-2021) | 6 th Rank |
|  | R.BIRUNDHA III- B.Sc., CS (2018-2021) | 3 rd Rank |
|  | V.DEVI SHRI III- B.Sc., CS (2018-2021) | 14 th Rank |
|  | K.MALARVIZHI III-B.Sc., CS (2018-2021) | 19 th Rank |
|  | M.HABILA KURAISH III-B.Sc., CS (2018-2021) | 17 th Rank |
|  | MADHUSRI.M II-M.Sc., CS (2019-2021) | 12 th Rank |
|  | HARINI.S II-M.Sc., CS (2019-2021) | 8 th Rank |