



G. VENKATASWAMY NAIDU COLLEGE (Autonomous), KOVILPATTI.

**Re-accredited with 'A' Grade (3.21 out of 4) by NAAC
(Affiliated to Manonmaniam Sundaranar University – Tirunelveli)
(STAR College by DBT, Govt. of India)**



DEPARTMENT OF COMPUTER APPLICATIONS

DEPARTMENT ACTIVITIES (2023 – 2024)

Association Activities are as follows:

- Seminar on “**Career in Future**” was conducted by M. Mohamed Ibrahim, Indian Navy, INS KONDUL, Porbandar, and Gujarat on 19.07.2023. He shared knowledge about working with government companies and Multination Corporation.
- BCA Department association inauguration was organized on 09.08.2023. Dr.A.Bharathilakshmi, Head & Assistant Professor, Department of Information Technology, V.V.Vanniaperumal College for Women, Virudhunagar, she has delivered the inaugural speech and conducted seminar about the “**IOT APPLICATIONS**”.

EXTENSION ACTIVITIES

- BCA Department adopted the government higher secondary school students, Ilayarasanendal. In this connection, III BCA students and two staff members **planted the tree** and conducted game activities for students' moral support on 28.08.2023.

Industrial Visit

- An industrial visit arranged for students at Code Bind Technologies, Coimbatore 57 students with 3 faculties joined the industrial visit from 07.09.2023 to 08.09.2023.
- Seminar on “**Current Trends in the IT Field**” was conducted by Murugeswari.S, Consultant, Ennvee Solutions Private Limited, Chennai, on 14.09.2023. She shared how to choose a certificate course for an IT job and current job opportunities in the IT sector.
- An Intra Departmental Competition was arranged in the name of **BRIGHT SPARK'23** on 25.09.2023 in Seminar Hall. Principal i/c Dr.M.Subbulakshmi and Director Dr. G. Venkadasalapathi has inaugurated the function and motivated the students to exhibit their effective participation. Third year students have organized competitions like paper presentations, software marketing, debugging, quiz, Web Designing, Art From Waste and As You Like It. In the valedictory session, chief guest, Mrs.Mariaselvi, Head Mistress, Govt. Higher. Secondary School, Ilayarasanendal delivered the valedictory address and distributed the prizes and certificates to the winners of various competitions.

The Prize winners are,

| S.No | Events | First Prize | Second Prize |
|------|---------------------------|--|---|
| 1 | Paper Presentation | M.Banupriya (I BCA) | V.Sathishkumar,T.Aathityan (II BCA) |
| 2 | Debugging | K.Karthickkumar (II BCA) | A.Ragul (I BCA) |
| 3 | Software Marketing | V.Sathishkumar S.Singarakesh M.Gobikannan I.Rathish Babu (II BCA) | T.Aathityan S.Karthikeyan S.Chelladurai K.Karthickkumar (II BCA) |
| 4 | Quiz | K.Karthickkumar P.Mahendra (II BCA) | E.Mariselvam A.Muthupandi (I BCA) |
| 5 | Web Designing | K.Karthickkumar (II BCA) | V.Sathishkumar K.Praciya (II BCA) |
| 6 | Art From Waste | V.B.Shri Nivetha K.Vidhya (I BCA) | M.Ganeshkumar T.Aathityan M.Abinaya J.Priya@Logasundari |
| 7 | As You Like it | S.Veni R.Muthulakshmi S.Muthumari M.Muthumari A.Vaishnavi (I BCA) | M.Muthubalamurugan M.Banupriya M.Usharani (I BCA) |

- A one-day international seminar on **“Emerging Technologies: How to Prepare and Be Ready”** was conducted by Arun Radhakrishnan, Director of Engineering and Practice Leader-Cloud @Relevantz, Alpharetta, Georgia, United States. He shared about jobs in the IT field and how to choose a solution engineer in your field.
- Quiz Club and BCA Department jointly organized a Quiz Competition on **“Computer Literacy Quiz’23”** for all department students on 12.10.2023. 32 teams participated in this quiz, 5 teams were selected for the final rounds. Our director delivered the valedictory address and distributed the prizes and certificates to the winners.

| S.No | Event | Student Name | Prize | Department |
|------|-------|---------------------------------|--------|---------------------------------------|
| 1 | Quiz | G.Sureshkumar M.Rajeshkumar | FIRST | Department of Professional Accounting |
| 2 | | S.Mahalakshmi J.Anto Virgina | SECOND | Department of Statistics |
| 3 | | M.Maris R.Santhru | THIRD | Department of Computer Science |

EXTENSION ACTIVITIES

- BCA department staff and students of GVN College, Kovilpatti provided relief goods to flood affected people in Thoothukudi District under the banner of college social responsibility scheme on 27.12.2023.

SKILL TRAINING PROGRAMME

- BCA department and A CSR initiative of Mphasis in association with ICT Academy jointly organizes 40 days **Skill Training Programme on Data Analytics** for CS/IT/BCA Department students from 04.12.2023 to 08.01.2023. 52 students get benefited at G. Venkataswamy Naidu College, Kovilpatti.

SEMINAR

- Seminar on “**Capacity Building Program in Networking**” was conducted by K. Karuppasamy, DevSecOps Engineer, Managing Director, Sankarankovil on 28.02.2024. He shared knowledge about working with Networking field.

NATIONAL-LEVEL SEMINAR

- BCA and IT Department jointly organized a one-day national-level seminar on “Recent Trends and Innovative Ideas in the Computing Environment” on March 1, 2024. Principal (i/c) Dr. M. Subbulakshmi presided over the function, and director Dr. G. Venkadasalpathi felicitated this function. In this connection, in Session I, Dr. I. Gethzi Ahila Poornima, Associate Professor, Department of Computer Science and Engineering, Ramco Institute of Technology, Rajapalayam, shared about the finite automata topic. Session II: Dr. N.G.S. Parameswaran, Assistant Professor, Department of Computer Applications, V.H.N.S.N. College, Virudhunagar. He delivered the topic on IOT and cloud computing. Various college students and staff members participated in this seminar. The director delivered the valedictory address and distributed the certificates to the participants.

INTERNATIONAL CONFERENCE

- Department of Botany, Computer Applications, Electronics, Information Technology and Statistics Jointly organize One Day International Conference on “Innovations in Computing Science and Technology: Exploring New Perspectives” Hybrid mode on 19.03.2024. Principal (i/c) Dr. M. Subbulakshmi presided over the function, and director Dr. G. Venkadasalapathi felicitated this function. Session I Resource Person Dr.S.Sudhakar, Professor & Head, Department of Biotechnology, M.S.University,Tirunelveli key note address of this function. Start with II session Resource Person Mr. Shankar B Narayanan, Technology Partnership & Sales, Amazon Web Services (AWS), Sanfransico, USA. He shared about AI technology. Technical Session I: Chair Persons Dr.V.Vallinayagi, Technical Session II Dr.V.Selvalakshmi and Technical Session III: Dr.S.Subburayalu is monitoring the all-conference presenter. Various college students, research scholars and staff members participated in this Conference. All chair persons distributed certificates to the participants.

STAFF ACHIEVEMENTS:

- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.S.Sivasakthi Asst.Prof, Mrs.A.Rajeswari Asst.Prof and Mrs.J.Rubha Asst.Prof** for participating in the State Level Technical Workshop on “**Intellectual Property Rights**” conducted during 21.07.2023 and 22.07.2023, held at G.Venkataswamy Naidu College,Kovilpatti
- **Mrs.S.Sivasathi, Asst.Prof**, has Participated in the “**User Awareness Programme on EResource of NDLI**” held on Aug. 12, 2023 organized by the NDLI Club of G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.A.Rajeswari, Asst.Prof**, has Participated in the “**User Awareness Programme on EResource of NDLI**” held on Aug. 12, 2023 organized by the NDLI Club of G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.J.Rubha Asst.Prof** has Participated in 3 day FDP on “**Setting Goals and Managing Time**” conducted by ICT Academy on 28.08.2023 to 30.08.2023 at G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.J.Rubha Asst.Prof,Mrs.R.Bhuvana Lab.Asst** coordinate the students successfully for an “**Industrial Visit (IV)**” organized by **Code Bind Technologies, Coimbatore on 07.09.2023 to 08.09.2023**.The Industrial Visit program provided a detailed introduction of the content authoring for **Web Development** during the Industrial Visit the performance of the staff was found to be excellent.

- **Mrs.S.Sivasakthi Asst.Prof** has Presented A Paper “**MACHINE LEARNING AND DEEP LEARNING APPROACH FOR DISEASE DETECTION:ANALYZING THE MEDICAL IMAGES**” in online and technical solo exhibition, recognition and appreciation of research contribute to 5. International Dicle Scientific Research and Innovation Congress Diyarbakir/Turkey held from 09.09.2023 to 10.09.2023.
- **Mrs.A.Rajeswari Asst.Prof** has Presented A Paper “**A DEEP LEARNING APPROACH TO CRIMINAL IDENTIFICATION USING MASKED HUMAN FACE RECOGNITION**” in online and technical solo exhibition, recognition and appreciation of research contribute to 5. International Dicle Scientific Research and Innovation Congress Diyarbakir/Turkey held from 09.09.2023 to 10.09.2023.
- **Mrs.S.Sivasathi, Asst.Prof**, has Participated in the “**Guest Lecture on Books and Journey**” held on Sep. 13, 2023 organized by the NDLI Club of G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.A.Rajeswari, Asst.Prof**, has Participated in the “**Guest Lecture on Books and Journey**” held on Sep. 13, 2023 organized by the NDLI Club of G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.S. Sivasakthi**, Asst.Prof has attended the III.International Architectural Sciences and Applications Symposium held on September 14 – 15 ,2023 / Naples Italy in Collaboration with University of Naples Federico – II, Journal of Architecture Sciences and Applications & Institute of Economic Development and Social Research with an oral presentation entitled “**X-Ray and Ct Images in Covid-19 Detection Using Image Processing and Deep Learning Techniques:A Comparative Study**”.
- **Mrs.A.Rajeswari**, Asst.Prof has attended the III.International Architectural Sciences and Applications Symposium held on September 14 – 15, 2023 / Naples Italy in Collaboration with University of Naples Federico – II, Journal of Architecture Sciences and Applications & Institute of Economic Development and Social Research with an oral presentation entitled “**A Survey of Machine Learning-Based Prediction Methods For Heart Disease**”.
- **Mrs.S.Sivasathi, Asst.Prof**, has attended the oral and technical presentation, recognition and appreciation of research “2. BİLSEL INTERNATIONAL WORLD SCIENCE AND RESEARCH CONGRESS” 16-17 SEPTEMBER 2023, İSTANBUL/TÜRKİYE with the paper entitled “**MEDICAL IMAGE ANALYSIS USING DEEP LEARNING FOR COVID-19 DIAGNOSIS**”.
- **Mrs.A.Rajeswai, Asst.Prof**, has attended the oral and technical presentation, recognition and appreciation of research “2. BİLSEL INTERNATIONAL WORLD SCIENCE AND RESEARCH CONGRESS” 16-17 SEPTEMBER 2023, İSTANBUL/TÜRKİYE with the paper entitled “**MACHINE LEARNING AND DEEP LEARNING**”.

- **Mrs.S.Sivasathi, Asst.Prof**, has attended the 6th World Women Conference held on September 17- 19, 2023/Ankara, Turkiye in Collaboration with Mata Sundari College for Women, Delhi University, Baku Girls University, Institute of Economic Development and Social Research & Ankara Metropolitan Municipality with an oral presentation entitled **“POLYCYSTIC OVARY SYNDROME DIAGNOSTIC SYSTEM FOR WOMEN USING DEEP LEARNING”**.
- **Mrs.A.Rajeswai, Asst.Prof**, has attended the recognition and appreciation of research 2. International Cankaya Scientific Studies Congress” September 28-29,2023 / Ankara – Turkiye with the paper entitled **“DETECTION OF BREAST CANCER USING MACHINE LEARNING TECHNIQUES”**.
- **Mrs.S.Sivasakthi, Asst.Prof** has attended the oral and technical presentation, recognition and appreciation of research “1. BİLSEL INTERNATIONAL GORDİON SCIENCE RESEARCHES CONGRESS” 29-30 SEPTEMBER 2023, ANKARA/TÜRKİYE with the paper entitled **“A DEEP NEURAL NETWORK FOR COVID-19 DETECTION BASED ON MEDICAL IMAGES”**.
- **Mrs.M.Gandhimathi, Head & Asst.Prof**, has Participated One Day International Virtual Seminar in “Securing the Future: Machine Learning and Data Analytics in Cybersecurity “on 30.09.2023
- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.S.Sivasakthi, Asst.Prof, Mrs.A.Rajeswai, Asst.Prof** has participated in the National Level Webinar on **“Gandhi’s Vision our Voices”** organized by the Department of Statistics and English in collaboration with the Linguaholic Forum, G.Venkataswamy Naidu College (Autonomous) ,Kovilpatti held on 4th October 2023 to commemorate the 152th birth anniversary of Mahatma Gandhi.
- **Mrs.S.Sivasakthi, Asst.Prof**, has participated in the **RESEARCH METHODOLOGY** workshop organized by the faculty of computer applications, Marwadi University on 8th October 2023.
- **Mrs.S.Sivasakthi, Asst.Prof**, has attended the VI. International Ankara Multidisciplinary Studies Congress held online and in-person on October 13-14, 2023 / Ankara, Türkiye with an oral presentation entitled **“COVID-19 DETECTION WITH DEEP LEARNING TECHNIQUES USING 3D CT SCAN IMAGES”**.
- **Mrs.A.Rajeswai, Asst.Prof**, has attended the VI. International Ankara Multidisciplinary Studies Congress held online and in-person on October 13-14, 2023 / Ankara, Türkiye with an oral presentation entitled **AN IMPLEMENTATION OF PYTHON FOR DATA SCIENCE AND MACHINE LEARNING**.

- **Mrs.A.Rajeswari, Asst.Prof**, has attended in oral and technical presentation, recognition and appreciation of research contributions to 2. Bilsel International Efes Scientific Researches and Innovation Congress 14-15 OCTOBER, 2023, İZMİR/TURKEY with the paper entitled **“BLUE EYE TECHNOLOGY AND THE INTERNET OF THINGS ARE USED IN A PATIENT HEALTH MONITORING SYSTEM”**.
- **Mrs.M.Gandhimathi, Head & Asst.Prof**, Participated in 5 days **Virtual FDP on :Innovative Technologies Lead the Academicians**” from 17.10.2023 to 21.10.2023 organized by IQAC and the Department of Computer Applications at Sri Kanyaka Parameswari Arts and Science College for Women,Chennai.
- **Mrs.S. Sivasakthi, Asst.Prof**, has attended the oral and technical presentation recognition and appreciations of research contribution to II. INTERNATIONAL TOPAKI CONGRESS, held on October 20 – 21, 2023, Istanbul / Turkiye with this paper entitled **“COMPARATIVE ANALYSIS OF 3D CT SCAN IMAGES AND X-RAYS IN COVID-19 DETECTION USING DEEP LEARNING TECHNIQUES”**.
- **Mrs.S. Sivasakthi, Asst.Prof**, has attended in oral and technical presentation recognition and appreciation of research contributions to 5th International Black Sea Modern Scientific Research Congress held on November 8-10,2023,Rize.Turkiye with the paper entitled **“ COVID-19 DETECTION IN EARLY STAGE FROM LUNG 3D CT IMAGES USING ADVANCED DEEP LEARNING TECHNIQUES”**.
- **Mrs.A.Rajeswari, Asst.Prof**, has attended in oral and technical presentation recognition and appreciation of research contributions to 5th International Black Sea Modern Scientific Research Congress held on November 8-10,2023,Rize.Turkiye with the paper entitled **“AN OVERVIEW OF AI’S FUNCTIONS IN THE INTERNET OF THINGS”**.
- **Mrs.S. Sivasakthi, Asst.Prof**, has attended in oral and technical presentation, recognition and appreciation of research contributions to 2. BİLSEL INTERNATIONAL SUMELA SCIENTIFIC RESEARCHES CONGRESS held on NOVEMBER 11-12,2023, Trabzon / Türkiye with the paper entitled **“COVID-19 DETECTION USING DEEP LEARNING TECHNIQUES METHODS, CHALLENGES, AND FUTURE WORKS : AN OVERVIEW”**.
- **Mrs.A.Rajeswari, Asst.Prof**, has attended in oral and technical presentation, recognition and appreciation of research contributions to 2. BİLSEL INTERNATIONAL SUMELA SCIENTIFIC RESEARCHES CONGRESS held on NOVEMBER 11-12,2023, Trabzon / Türkiye with the paper entitled **“A REVIEW OF PYTHON IN THE DATA SCIENCE FIELD”**.

- **Mrs.S.Sivasakthi, Asst.Prof, Mrs.A.Rajeswai, Asst.Prof,** has participated in a Seven Day Virtual International Level FDP on “Exploring Technological Advancements: A Voyage into Emerging Horizons” organized by the Department of Computer Science (Under DBT Star College Scheme), Sri.S.Ramaswamy Naidu Memorial College, Sattur held from 20th November 2023 to 27th November 2023.
- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.S.Sivasakthi, Asst.Prof, Mrs.A.Rajeswai, Asst.Prof, Mrs.R.Lavanya, Asst.Prof,** has participated in the Faculty Development Programme on “**NAAC Accreditation Process and SSR Preparation**” organized by the IQAC, G.Venkataswamy Naidu College (Autonomous), Kovilpatti held on 09.12.2023.
- **Mrs.M.Gandhimathi, Head & Asst.Prof,** has Participated in 5 day FDP on “**Cloud Practitioner(AWS)**” conducted by ICT Academy on 26.12.2023 to 30.12.2023 at National Engineering College, Kovilpatti.
- **Mrs.M.Gandhimathi, Head & Asst.Prof,** has Publishing the paper in the title: “**Image-Based Plant Disease Detection Using Deep Learning**” the Journal of Inventive and Scientific Research Studies (JISRS) at G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.S.Sivasakthi, Asst.Prof,** has participated and successfully completed an online Faculty Development Programme on “**Amazon Web Services**” organized by the Computer department of Engineering from 8th to 10th January 2024 at Matoshri Institute of Technology, Yeola.
- **Mrs.R.Lavanya Asst.Prof,** has participated in the two days National Level Technical Workshop on “**BLENDED LEARNING AND TOOLS FOR EFFECTIVE TEACHING**” organized by the Department of library and IQAC, G.Venkataswamy Naidu College (Autonomous), Kovilpatti held on 24 & 25th January 2024.
- **Mrs.S.Sivasakthi, Asst.Prof,** has participated in the seven days International Faculty Development Programme on “**Latest Trend and Techniques in Software Engineering : An Industry perspective**” organized by the Department of Computer Science, CHRIST (Deemed to be University), Bangalore during 20th – 27th January 2024.
- **Mrs.M. Gandhimathi, Head & Asst.Prof,** has presented a paper titled “**DIGITAL EDUCATION IN INDIA: ENCOUNTERS AND OPENINGS**” in two days National Level Conference on Sustainability and Technology in the BFSI Sector organized by PG and Research Development Cell, G. Venkataswamy Naidu College, Kovilpatti held on 6th & 7th February 2024.
- **Mrs.S. Sivasakthi, Asst.Prof,** has presented a paper titled “**THE IMPACT OF ARTIFICIAL INTELLIGENCE IN E-COMMERCE: TRANSFORMING TECHNOLOGY**” in two days National Level Conference on Sustainability and Technology in the BFSI Sector organized by PG and Research Development Cell, G. Venkataswamy Naidu College, Kovilpatti held on 6th & 7th February 2024.

- **Mrs.A.Rajeswai, Asst.Prof** has presented a paper titled **“INTERNET OF THINGS IN HIGHER EDUCATION : A STUDY ON FUTURE LEARNING”** in two days National Level Conference on Sustainability and Technology in the BFSI Sector organized by PG and Research Development Cell, G. Venkataswamy Naidu College, Kovilpatti held on 6th & 7th February 2024.
- **Mrs.S.Sivasakthi, Asst.Prof**, is a presenter/co-author of the paper titled **“COVID 19 CLASSIFICATION USING DEEP LEARNING MODELS ON 3D CT IMAGES OVER X RAY IMAGES/2D CT IMAGES: A COMPREHENSIVE REVIEW”** in the 7th International Conference on Innovative Computing and Communication (ICICC-2024), organized by Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi, India in association with National Institute of Technology Patna, India and the University of Valladolid, Spain on 16th -17th February 2024.
- **Mrs.M. Gandhimathi, Head & Asst.Prof**, has Publishing the paper in the title: **“Scalable Machine Learning Algorithm for patient Outcome Prediction in Heart Diseases”** in the National Conference on Introducing Novel Ideas on Science & Technology in Advanced Materials (INSTA '24) on February 23 ,2024 at Christopher Arts and Science College,Soorangudi.
- **Mrs.A.Rajeswai, Asst.Prof**, has Publishing the paper in the title: **“Automatic Diagnosis Of Skin Cancer Using Dermoscopic Images By Deep Learning”** the Journal of Inventive and Scientific Research Studies (JISRS) ISSN: 2584-0630 (Online) at G.Venkataswamy Naidu College, Kovilpatti on Volume: 1 issue 2: January 2024.
- **Mrs.A.Rajeswai, Asst.Prof**, has Successfully organized the course on 21 Days Masterclass on c++ Programming to our I BCA students organized by Pantech e learning from 26.02.2024 to 16.03.2024.
- **Mrs.S.Sivasakthi, Asst.Prof**, has presented the paper in the title: **“”** in the **One Day International Conference on “Innovations in Computer Science & Technology: Exploring New Perspectives”** organized by the Department of Botany, Computer Applications, Electronics, Information Technology & Statistics, held on 19.03.2024(Tuesday) at G.Venkataswamy Naidu College, Kovilpatti.
- **Mrs.A.Rajeswai, Asst.Prof**, has presented the paper in the title: **”Comparative Analysis of Disease Detection Using Enhanced Deep Learning Techniques”** in the **One Day International Conference on “Innovations in Computer Science & Technology: Exploring New Perspectives”** organized by the Department of Botany, Computer Applications, Electronics, Information Technology & Statistics, held on 19.03.2024(Tuesday) at G.Venkataswamy Naidu College, Kovilpatti.

- **Mrs.S.Sivasakthi, Asst.Prof,** has presented in oral and technical presentation on paper titled **“DESIGN OF AN INTEROPERABLE ELECTRONIC HEALTH RECORD(EHR) APPLICATION THAT USES DEEP LEARNING TECHNIQUES”** in the 11th International ZUUGMA Conference on Scientific Research held on 18.03.2024.
- **Mrs.S.Sivasakthi, Asst.Prof,** has presented a paper on titled **“COVID 19 DETECTION AND CLASSIFICATION WITH X-RAY AND 3D CT IMAGES USING DEEP LEARNING TECHNIQUES”** in the 11th International ZUUGMA Conference on “Innovations in Computing Science & Technology: Exploring New Perspectives” organized by the Department of Botany, Computer Applications, Electronics, Information technology & Statistics held on 19.03.2024.
- **Mrs.S.Sivasakthi, Asst.Prof,** has attended International **One Week Faculty Development Programme (Online)** on Deep Learning Techniques for Social Media Analytics from 15-20 April 2024 organized by University of Technology and Applied Sciences-Ibri, Oman and Kongu Engineering College, Tamil Nadu, India.

STUDENT ACHIEVEMENTS

- II BCA students **M.Abinaya** has participated and won the **III prize** in Debugging of **INFOGEN’23** organized by Department of Computer Science, Sri.S.Ramasamy Naidu Memorial College at Sattur on 11.08.2023.
- III BCA students **A.Ariharasudhan** has actively participated and won I prize in the event of Management Games in **SKILLATHON-XX3 Inter Departmental Competitions** organized by Department of BBA, G.Venkataswamy Naidu College, Kovilpatti held on 12.10.2023.
- III BCA student **K.Kavitha** & I BCA student J.Priya has actively participated and won I prize in the event of Face Painting in **SKILLATHON-XX3 Inter Departmental Competitions** organized by Department of BBA, G.Venkataswamy Naidu College, Kovilpatti held on 12.10.2023.
- III BCA students S.Rathi has actively participated and won I prize in the event of **Best Manager** in **SKILLATHON-XX3 Inter Departmental Competitions** organized by Department of BBA, G.Venkataswamy Naidu College, Kovilpatti held on 12.10.2023.
- I BCA students M.Sankareswari & A.Kaviya Akshaya has actively participated and won II prize in the event of Paper Presentation in **SKILLATHON-XX3 Inter Departmental Competitions** organized by Department of BBA, G.Venkataswamy Naidu College, Kovilpatti held on 12.10.2023.
- I BCA Students M.Sankareswari for securing the **Second Position in the Public Speaking Tamil Competition at the Talent Show “Inter Departmental Public Speaking Competition – October’2023 Gandhi’s vision, our voices** organized by the Linguaholic Forum of G.Venkataswamy Naidu College, Kovilpatti.

- I BCA Students M.Muthu Balamurugan in recognition of his exceptional **dedication and captivating performance in the Public Speaking Tamil Competition** at the Talent Show “Inter Departmental Public Speaking Competition – October’2023 Gandhi’s vision, our voices organized by the Linguaholic Forum of G.Venkataswamy Naidu College, Kovilpatti.
- III BCA students attended A CSR initiative of Mphasis in association with ICT Academy jointly organizes **Skill Training Programme on Data Analytics** for CS/IT/BCA Department students from 04.12.2023 to 08.01.2023.14 students get benefited at G. Venkataswamy Naidu College, Kovilpatti.
- I, II & III BCA students S. Veni, M. Ramya, M. Lavanya, S. Jothi Prabha, M.Swetha, S.Subashree, M.Anto Hebsibha, R,Jeyasri, S.Thillai Mithra, K.Kavitha & L.Gejalakshmi won the first prize in KABADI on Annual Sports Meet on 02.03.2024.
- I, II & III BCA students K. Vidya, S. Jothi Prabha, M. Swetha, L. Gejalakshmi, M. Lavanya, M. Rakshana, S. Thillai Mithra, J. Priya @ Logasundari, K.Vidhya, K. Prasiya & R.Jeyasri won the first prize in KHO KHO on Annual Sports Meet on 02.03.2024.
- I BCA student L. Gejalakshmi won the third prize in the 100 Mts Run on Annual Sports Meet on 02.03.2024.
- I BCA student L. Gejalakshmi won the second prize in the 400 Mts Run on Annual Sports Meet on 02.03.2024.
- I BCA student L. Gejalakshmi won the third prize in the 100 Mts Run on Annual Sports Meet on 02.03.2024.
- I BCA student K.Vidhya won the second prize in the Women High Jump on Annual Sports Meet on 02.03.2024.
- I BCA student K.Vidhya won the first prize in the 400 Mts Run on Annual Sports Meet on 02.03.2024.
- I BCA student M.Balamurugan won the second prize in the 100 Mts Run on Annual Sports Meet on 02.03.2024.
- I,II & III BCA student L. Gejalakshmi, K.Vidhya, S.Thillai Mithra ,M.Ramya won the second prize in the Relay 400 Mts Run on Annual Sports Meet on 02.03.2024.
- II BCA student M.Rakshana won the third prize in the 300 Mts Run on Annual Sports Meet on 02.03.2024.
- III BCA student M.Ramya won the first prize in the 200 Mts Run on Annual Sports Meet on 02.03.2024.
- I & II BCA students S.Shiyamganes, V.Sathishkumar, K.Karthick Kumar, B.Selvaguru, M.Gobi Kannan, S.Ravichandran, J.Rahulsingh,S.Singarakesh M.Munees Chandru ,M.Vignesh,J.Dineshkumar & M.Balamurugan won the second prize in KABADI on Annual Sports Meet on 02.03.2024.

- I & II BCA students K.Karpagasurya,S.Ranjithkumar,S.Karthikeyan,S.Chelladurai, V.Sathishkumar,M.krishna,I.Rathish Babu, V.Santhosh, K.Karthick Kumar, S.Ravichandran, J.Rahulsingh,S.Singarakesh & M.Balamurugan won the first prize in Football on Annual Sports Meet on 02.03.2024.
- I & II BCA students S.Singarakesh, M.Balamurugan, J.Dineshkumar & S.Ranjithkumar won the first prize in the Relay 400 Mts Run on Annual Sports Meet on 02.03.2024.
- II BCA student J.Ragul Singh won the second prize in the Men High Jump on Annual Sports Meet on 02.03.2024.
- II BCA student S.Shiyam Ganesh won the first prize in the Javelin Throw on Annual Sports Meet on 02.03.2024.
- II BCA student M.Vignesh won the third prize in the Shot Put – 7.65 Mts on Annual Sports Meet on 02.03.2024.
- II BCA student V.Sathishkumar won the second prize in the Shot Put – 7.65 Mts on Annual Sports Meet on 02.03.2024.
- II BCA student S.Singa Rakesh won the second prize in the 1500 Mts Run on Annual Sports Meet on 02.03.2024.
- II BCA student M.Vignesh won the third prize in the Triple Jump – 9.65 Mts on Annual Sports Meet on 02.03.2024.
- II BCA student J.Ragul Singh won the third prize in the Triple Jump – 9.65 on Annual Sports Meet on 02.03.2024.
- II BCA student S.Shiyam Ganesh won the second prize in the Long Jump – 5.07 mts on Annual Sports Meet on 02.03.2024.
- I BCA Students M.Usha Rani & M.Sankareswari has secured Ist Place in Flameless Cooking Competition in “INFO BLITZ 2K24” organized by Department of Information Technology, G.Venkataswamy Naidu College, Kovilpatti, held on 6 March 2024.
- I BCA Students S.Suba Shree & M.Swetha has secured IInd Place in Flameless Cooking Competition in “INFO BLITZ 2K24” organized by Department of Information Technology, G.Venkataswamy Naidu College, Kovilpatti, held on 6 March 2024.
- I BCA Student K.Vidhya got **Individual Prize Winner** 200 Mts,400 Mts, High Jump for for sports on 28th Annual Day celebration organized by our College, Kovilpatti, held on 14th March 2024.
- BCA Department students got **OVERALL CHAMPIONSHIP** for sports on 28th Annual Day celebration organized by our College, Kovilpatti, held on 14th March 2024.
- II BCA girls students participated in **one day state level workshop on” Soft Skill Development Program”** organized by the Department of Computer Science & Information Technology on 20th March 2024.



G. VENKATASWAMY NAIDU COLLEGE (Autonomous), KOVILPATTI.

**Re-accredited with 'A' Grade (3.21 out of 4) by NAAC
(Affiliated to Manonmaniam Sundaranar University – Tirunelveli)
(STAR College by DBT, Govt. of India)**



DEPARTMENT OF COMPUTER APPLICATIONS

DEPARTMENT ACTIVITIES (August 2024 to April 2025)

LIMEX REPORT

Association Activities are as follows:

Association Inauguration and Seminar

- BCA department **ASSOCIATION INAUGURATION** was organized on 07.08.2024 and also conducted a Seminar on “**AI TECHNIQUES**” by Dr.V.PREETHA, Assistant Professor, Department of Computer Science, Sri S.R.N.M College, Sattur.

Intra Departmental Competition

- An Intra Departmental Competition was planned as the name of **BRIGHT SPARK'24** on 24.09.2024 in Seminar Hall. The event was a significant opportunity for undergraduate students from the first and second years of the Bachelor of Computer Applications (BCA) program to showcase their creativity and technical skill across various competitions. The principal i/c Dr.M.Subbulakshmi and the Director Dr. G.Venkadasalapathi has inaugurated the function and motivated the students to exhibit their effective participation. Third year students have organized the competitions like **Paper Presentation, Debugging, Quiz, Fireproof, E-Sports & Hunt Down**. In the valedictory session, chief guest, Mrs.Mariaselvi, Head Mistress, Govt. Higher. Secondary School, Ilayarasanendal delivered the valedictory address and distributed the prizes, certificates to the winners of various competitions.

The Prize winners are,

| S. No | Events | First Prize | Second Prize |
|-------|-------------------|-----------------------------|---------------------------------|
| 1 | SLIDE SHOW | KRISHNA. M MARISELVAM. E | MUTHU KIRUTHIKA.V PADMA SRIM |
| 2 | DEBUGGING | FRANCIS VINOTH. M | KAILASH.J |

| | | | |
|---|--------------------|---|--|
| 3 | MIND PUZZLE | FRANCIS VINOTH. M MUTHUPANDI. A | KALI DASAN.L SARAVANA VEL.G |
| 4 | E-SPORTS | SURYA. J | KAMALESH.M |
| 5 | FIREPROOF | MURUGAVENI. M USHA RANI. M | BHARATHILAKSHMI. M VIDHYA. K |
| 6 | HUNT DOWN | KAILASH.J KALI DASAN.L PALANI KUMAR.S | ANTO HEPSIBHA. M BANUPRIYA. M MUTHUPANDI. A SANKARESWARI. M |

Workshop

- Workshop on “**WEB AND APP DEVELOPMENT**” by Mr.M. BALAMURUGAN,ALPHA LEARNING LUME, PSR ENGINEERING COLLEGE, Sivakasi on 30.12.2024.He shared the process of designing, building, and maintaining web-based applications and mobile apps.

Industrial Visit

- An industrial visit arranged for students At Kerala Electrical Allied Engineering Co.Ltd, Kochi 53 students with 2 faculties joined the industrial visit from 30.01.2025 to 31.01.2025.

On-Campus Placement drive

- On-Campus Placement drive conducted by “**TECHLAMBDAS PRIVATE LIMITED**”, Kovilpatti on 01.02.2025. In this drive totally 192 students are various department participated.

INTERNATIONAL CONFERENCE

- Department of Botany, Computer Applications, Library, Information Technology and Statistics Jointly organize One Day International Conference on “**Convergence of Knowledge and New Frontiers: Exploring IT, Computer Applications, Library Science, Statistics and Life Sciences in Science & Technology**” Hybrid mode on 07.03.2025. The Principal (i/c) Dr.M.Subbulakshmi presided over the function, and The Director Dr.G.Venkadasalapathi felicitated this function.

In Session - I Chair Person **Dr.V.Deneshkumar**,Ph.D.Assistant Professor,Department of Statistics, Manonmaniam Sundaranar University, Tirunelveli, who delivered a keynote address on “**Technical Skill Development**”.

In Session – II, **Dr.Manikandan Gurusamy**,Ph.D.Research Scientist, Pharmaceutical & Bio Tech Advance in Africa,Department of Pharmaceutical Sciences,Tshwane University of

Technology, Arcadia Campus, Pretoria, South Africa, who delivered a keynote address on **“Role of Nanotechnology in unlocking the therapeutic potential of medicinal plants”**.

In Technical Session - I: Chair Person **Dr.R.Madhana Gopal** Assistant Professor, Department of Statistics, The Madura College, Madurai and **Dr.K.Ramasamy** Librarian M.V.M Women's College, Dindigul is monitoring the all-conference presenters.

In Technical Session - II : Chair Person **Dr.K.Merrilliance**, Associate Professor, Department of Computer Applications and Research, Sarah Tucker College, and **Dr.K.Deviga**, Assistant Professor and Head, PG Department of Computer Science, P.S.R.College, Sevalpatti, is monitoring the all-conference presenters in Google Meet. More than 40 professors and students from 13 colleges presented their research papers. All chair persons distributed certificates to the participants.

MoU'S

BCA Departement and **Tech Lambdas Private Limited** mutually signed a **Memorandum of Understanding** for the benefit of department students for skill training, Internship and Placement.

STAFF ACHIEVEMENTS:

- **Mrs.M.Gandhimathi, Head & Asst.Prof**, has published the paper in the title: **“Machine Learning Algorithms for Forecasting Moral Behaviour in COVID-19 Cardiovascular Problem”** the international journal of engineering Applied Sciences and Technology, Vol.9, Issue 02, ISSN No.2455-2143 June 2024.
- **Mrs.S.Sivasakthi & Mrs.A.Rajeswari, Asst.Prof**, has successfully has participated in the one week Online Faculty Development Program on Recent Trends in Artificial Intelligence and Machine Learning organized by Department of CSE and Allied branches, Bonam Venkata Chalamayya Engineering College, Odalarevu from 18th June to 22nd June 2024.
- **Mrs.S.Sivasakthi & Mrs.A.Rajeswari, Asst.Prof**, has actively participated in **“ONE DAY ONLINE FACULTY DEVELOPMENT PROGRAM ON AI TOOLS FOR TEACHING”** organized by Star International Foundation for Research and Education on 22.06.2024.
- **Mrs.S.Sivasakthi, Asst.Prof**, has actively participated in 7 days FDP on **ESSENTIAL SKILLS FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION”** organized by Star International Foundation for Research and Education on 01.07.2024 - 07.07.2024.

- **Mrs.S.Sivasakthi, Asst.Prof**, has attended the International Symposium on Architecture, Engineering and Design held on July 08-09,2024/ Diyarbakir,Turkiye, in Collaboration with Dicle University & Institute of Economic Development and Social Research with an oral presentation entitled **“PREDICTING PNEUMONITIS RELATED TO IMMUNE CHECKPOINT INHIBITOR USING COMPUTED TOMOGRAPHY AND WHOLE-LUNG ANALYSIS DEEP LEARNING”**.
- **Mrs.S. Sivasakthi, Asst.Prof**, has participated in Seven Days International FDP on **“DATA MANAGEMENT USING CLOUD”** organized by Department of Computer Studies, Hindusthan College of Arts & Science, Coimbatore from July 29 to August 04,2024.
- **Mrs.S. Sivasakthi, Asst.Prof**, has participated in the two days FDP on **“CRITICAL AND CREATIVE THINKING SKILLS”** on 5th and 6th August 2024, organized by the IQAC, Michael Job memorial College for Education ,Coimbatore.
- **Mrs.S. Sivasakthi & Mrs.A.Rajeswari Asst.Prof** has participated in the **NPTEL Awareness Workshop** on 07.08.2024.
- **Mrs.S. Sivasakthi, Asst.Prof**, has participated in Five days FDP on **“INTERNET OF THINGS FOR EMERGING TECHNICAL APPLICATIONS”** organized by Department of ECE ,M.P.Nachimuthu M.Jaganathan Engineering College, Chennimalai held from 12.08.2024 to 18.08.2024.
- **Mrs.M.Gandhimathi, Head & Asst.Prof**, has participating in the 59th edition of **BRIDGE 2024-Madurai**(A High Impact Industry-Institute Interaction Event),Organized by ICT Academy held on 30.09.2024 at Courtyard by Marriott,Madurai.
- **Mrs.S. Sivasakthi, Asst.Prof**, has published the paper in the title: **“A CAD system for Covid-19 Identification on CT images with Deep Learning:A Review”** the Contemporary Research Disciplines ISBN:978-81-978738-1-2,published by G.Venkataswamy Naidu College and San International Scientific Publications on September 2024.
- **Mrs.A.Rajeswari, Asst.Prof** has published the paper in the title: **“A Survey on Security and Privacy of 5G Technologies”** the Contemporary Research Disciplines ISBN:978-81-978738-1-2,published by G.Venkataswamy Naidu College and San International Scientific Publications on September 2024.
- **Mrs.R.Lavanya, Asst.Prof** has published the paper in the title: **“Security Issues in Data Mining”** the Contemporary Research Disciplines ISBN:978-81-978738-1-2, published by G.Venkataswamy Naidu College and San International Scientific Publications on September 2024.

- **Mrs.M.Gandhimathi, Head & Asst.Prof**, has participated in the National Level Seminar on Innovations and Future Directions in Space Technology (IFDST-2K24) Organized by the Department of Computer Science, Chemistry & Physics, Sri S.Ramasamy Naidu Memorial College Sattur on October 01, 2024.
- **Mrs.M.Gandhimathi Head and Asst.Prof, Mrs.S.Sivasakthi, Mrs.A.Rajeswari & Mrs.R.Lavanya, Asst.Prof** has attended the Five day FDP on Innovative Approaches in Higher Education and Research Organized by the IQAC, G.Venkataswamy Naidu College(Autonomous), Kovilpatti from 15.10.2024 to 19.10.2024.
- **Mrs.R.Lavanya, Asst.Prof** has attended Seven-Day Self-Paced Online FDP/Capacity Building Programme On **AI-DRIVEN RESEARCH EXCELLENCE** organized by E-Learning, Educational Technology & E-Governance Cell of IQAC at Sri S.Ramasamy Naidu Memorial College, Sattur held from 04.11.2024 to 11.11.2024.
- **Mrs.M.Gandhimathi Head and Asst.Prof**, participated in the International Conference on Current Challenges in Research with Computer Science and Technology (ICCCRCST – 01) and presented the paper on entitled **“EXPLORING MACHINE LEARNING APPROACHES TO PREDICT ETHICAL CHOKES IN HEART PATIENTS DURING THE COVID-19 CRISIS”** organized by SRI SARADHA COLLEGE FOR WOMEN, Tirunelveli on 19.12.2024.
- **Mrs.M.Gandhimathi Head and Asst.Prof**, participated in the International Seminar on the topic of **“Human-Machine Teams: The Future of Work and Innovation”** organized by Department of Computer Applications, Don Bosco College of Arts and Science, in collaboration with Eternal Scientific Publications 27.02.2025.
- **Mrs.R.Lavanya, Asst.Prof** has attended Five days Faculty Development Programme On **REVOLUTIONIZING DIGITAL CONTENT CURATION AND ACCESS** organized by the Research, Library Committee (SFC) & JISRS at G.Venkataswamy Naidu College(Autonomous), Kovilpatti from 17.02.2025 to 21.02.2025.
- **Mrs.M.Gandhimathi, Head & Asst.Prof, Mrs.S.Sivasakthi, Mrs.A.Rajeswari & Mrs.R.Lavanya Asst.Prof**, has participated in the one-day International Conference on **“CONVERGENCE OF KNOWLEDGE AND NEW FRONTIERS,”** organized by the Department of Botany, Computer Applications, Library Science, Information Technology & Statistics, held on 07.03.2025.

- **Mrs.S. Sivasakthi, Asst.Prof,** has published an article on in “**Comparing Feature Extraction Methods with Different Datasets Using Machine Learning Techniques**” Volume III, Issue 1, March 2025 of the Journal of Inventive and Scientific Research Studies(JISRS).

STUDENT ACHIEVEMENTS

- II BCA Students M.Banupriya for securing the **First Position in the Public Speaking Tamil Competition during the Talent Show** “Inter Departmental Public Speaking Competition – August’2024 voices of freedom (Commemorating the 78th Independence Day Celebration) organized by the Linguaholic Forum of G.Venkataswamy Naidu College,Kovilpatti on 09.08.2024.
- II BCA Students M.Sankareswari for securing the **Second Position in the Public Speaking Tamil Competition during the Talent Show** “Inter Departmental Public Speaking Competition – August’2024 voices of freedom (Commemorating the 78th Independence Day Celebration) organized by the Linguaholic Forum of G.Venkataswamy Naidu College,Kovilpatti on 09.08.2024.
- II BCA Students A.Hariharan, M.Francis Vinoth, M.Balamurugan, J.DineshKumar, A.MuthuPandi, P.Dhanush has participated and won the **III prize in the SHORT FILM competition held in “Commerce ACE-2K24”**, State Level Inter-Collegiate Cultural Meet,organized by Department of Commerce(SF) at Kamaraj College,Thoothukudi on 30th August 2024.
- III BCA Students S.Chelladurai, K.Karthick Kumar has participated and **won the II prize in the Star of the Event competition** organized by Department of Computer Science State Level Inter-Collegiate Meet Competitions at Ayya Nadar Janaki Ammal College, Sivakasi on 30th August 2024.
- II BCA Student M.Swetha of T.N has **secured 3rd place in the 69 kg.Weight class** at the **Sb.Junior Benchpress** held at Sonipat during 13.09.2024 to 16.09.2024.
- III BCA Student S.Karthikeyan has **secured the Second Place in the GVN TALENT FEST-2024 Inter-Departmental Drawing Competition** Organized by the Linguaholic Forum & The Fine Arts Club on 19.12.2024 and 20.12.2024 at G.Venkataswamy Naidu College,Kovilpatti.

- III BCA Student S.Karthika has **secured the First Place in the GVN TALENT FEST-2024 Inter-Departmental Public Speaking(Tamil) Competition** Organized by the Linguaholic Forum & The Fine Arts Club on 19.12.2024 and 20.12.2024 at G.Venkataswamy Naidu College,Kovilpatti.
- II BCA Students M.Kalidass, M.Krishna has **secured the Second Place in the GVN TALENT FEST-2024 Inter-Departmental Dance Competition** Organized by the Linguaholic Forum & The Fine Arts Club on 19.12.2024 and 20.12.2024 at G.Venkataswamy Naidu College,Kovilpatti.
- I BCA students K.Marieswari,V.Muthukiruthika,K.Senduselvi and II BCA students M.Banupriya, M.Murugaveni, M.Sankareswari,M.Swetha has **Secured the First Place in the GVN TALENT FEST-2024 Inter-Departmental Mime Competition** Organized by the Linguaholic Forum & The Fine Arts Club on 19.12.2024 and 20.12.2024 at G.Venkataswamy Naidu College,Kovilpatti.
- BCA department students got **OVERALL CHAMPION RUNNER-UP in the GVN TALENT FEST-2024 Inter-Departmental Competition** Organized by the Linguaholic Forum & The Fine Arts Club on 19.12.2024 and 20.12.2024 at G. Venkataswamy Naidu College, Kovilpatti.
- II BCA Students M.Murugaveni,A.S.Meenaloshani has actively participated in inter departmental Competitions and **won the II Prize in Art From Waste** organized by department of Costume Design and Fashion,G.Venkataswamy Naidu College,Kovilpatti held on 27.12.2024.
- III BCA Students I.Rathisbabu, S.Ravichandra has Participated in **Web Designing Competition and won the II Prize** K.Ganeshkumar participated in Virtual Realms and **won the II Prize** in the State Level Technical Symposium at Ayya Nadar Janaki Ammal College, Sivakasi on 04th February 2025.
- III BCA Student J.Priya @ Logasundari Participated in **Reel Creation Competition and won the III Prize** in the Inter-Collegiate Competitions (ICERT'25) at Sri.S.Ramasamy Naidu Memorial College, Sattur on 06th February 2025.
- I BCA Students M.Padmasri ,P.Muthukiruthika has won the **1st Prize** for getting marks in tamil Subject organized by Thiruvalluvar Tamizh mandram,Kovilpatti on 16.02.2025.

- I BCA Student S.Rubadevi Passed the Examination conducted by **Vivekananda Kendra, Kanyakumari** in the subject of **Desiya Kaviyam Ramayanam** held on 18.02.2025.
- III BCA Students V.Sathish Kumar Participated in **Web Designing Competition and won the 2nd Prize** in the State Level Technical Symposium at K.R College of Arts and Science, Kovilpatti on 05.03.2025.
- III BCA Students M.Vignesh, S. Nanthakumar has participated in **Quiz Competition and won the 2nd prize** in the State Level Technical Symposium at K.R College of Arts and Science, Kovilpatti on 05.03.2025.
- II BCA Students R.Soundarya and K.Vidhya has voluntary participation in the **“Womens Day 2025 – Marathon & Walkathon”** organized by the Thoothukudi District Police on 08.03.2025.
- II BCA Students M.Anto Hepzibha and L.Gejalakshmi has won in the event of **third prize on quiz** as part of the **Inter-Department Competition** Organized by the Department of Commerce (Professional Accounting) on 14.03.2025 at G.Venkataswamy Naidu College, Kovilpatti.
- II BCA Students M.Murugaveni and M.Usha Rani and **won in the event of second prize on Flameless Cooking as part of the Inter-Department Competition** Organized by the Department of Commerce (Professional Accounting) on 14.03.2025 at G.Venkataswamy Naidu College, Kovilpatti.
- III BCA Students S. Karthikeyan and V.Sathish Kumar Designed **Students Grievance Form for our college website**. On behalf Our Management, Secretary, Principal, Director and BCA department Staff Members Congratulate both of them.

HOD

DIRECTOR