



KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Affiliated to Bharathiar University, Coimbatore

Approved by UGC & AICTE, New Delhi, Re-accredited by NAAC & DBT STAR College Scheme

(An ISO 9001:2015 Certified Institution)

NANJANAPURAM, ERODE – 638 107.



DBT SPONSORED STAR DEPARTMENT



DEPARTMENT OF COMPUTER SCIENCE (U.G)

&

DEPARTMENT OF COMPUTER SCIENCE WITH DATA ANALYTICS

YEAR PLAN

2024 – 2025



Year Plan (2024- 2025)

The President of Today's function - Honorable Correspondent, Respected Principal, Chief Guest cum Alumnus of today's function, learned colleagues and dear students, a warm Good morning to all of you.

I deem it a great privilege to present the year plan for the year 2024-2025 of our department.

The Department of Computer Science and Department of Computer Science with Data Analytics has student strength of 505 with 20 Faculty members, 01 Programmer and 02 Laboratory Assistants.

To cope with the expectations of the stakeholders, we have incorporated more student centric and faculty centric activities in our year Plan 2024 - 2025. Before getting into the details of the year Plan, let me brief about the regular activities and best practices which are being carried out by the department throughout the year. Even though these activities are very familiar to the Second and Final Year students, it is our duty to make aware of the details of these activities, the stakeholders and the benefits of the activities, especially to the First Year students.

Every year, the department begins the academic year by **inaugurating the Cyber Crews association** in the month of July.

An Entrance Examination for the freshers has been conducted to assess the fresher's performance in the fields of Basic Mathematics, Fundamentals of IT, General Aptitude Skills. Based on the result, a **Bridge Course**, consists of the needy fields such as "**Communicative English**", "**Foundations of Mathematics**" is organized to bridge the knowledge gap so as to cope with the course in which they are enrolled. The freshers are oriented by our Faculty Members towards the Environment of the College and its activities through various sessions.

In addition, they are fine-tuned with Student Induction Programme (SIP) and Training Programmes on need based topics such as Physical activities, Mentoring, familiarization to departments, Creative Arts and Culture, Literary activities, Lectures by Eminent People, Visits to Local Area and Extra-Curricular Activities in College. In addition, the students were given lectures on "**Introduction and Importance of Subjects / Course of Study, Foundation of Mathematics, Moral and Ethical values**" by our faculty members. Through this Programme, the freshers will have the opportunity to meet other new students, current student leaders, faculty and staff, and to be successful at Kongu Arts and Science College.

This department encourages and trains the students to accept responsibilities. The students of computer science have the talent to publish a magazine too. **“IT UNLIMITED”** is the Bi-Monthly magazine published by our student editors. This is the oldest golden activity of our department being carried out for the **past 21 successful years** and we are very proud to mention that the releasing of **the 100th issue of our magazine** is certainly going to be a memorable event in today’s function.

A Newsletter, as a communication tool, disseminates information to our department members and others and keeps them informed of all planned activities and functions. The **11th Issue** of the Department Newsletter **“Cyber Traces”** is also going to be released on this inaugural day.

The department is trying to acquire the best from each and every academic activity that is being done. Our faculty members are giving non repetitive assignment topics to the students, collecting them and compiling them into a form of book – a monograph called **Computer Information Gallery** is also going to be released on this inaugural day. **Twelve** volumes of this book were published and kept in our department library for reference. We are very proud to mention that it is indeed a unique and the best practice of our department.

Every year at regular intervals, many activities are carried out. They are,

Number One, the **Online Aptitude Test** – is an activity exclusively designed and conducted by our faculty members, **once in a week** for the benefit of the final year students’ in order to improve and to test their numerical, technical and analytical skills. Noticeably, this best practice plays a crucial role in placing the students in various multinational Companies. At this juncture I would like to mention that 53 students out of the 96 eligible students (55%) have been placed in various reputed multinational companies with a highest salary package of Rs.03 Lakhs / annum for the academic year 2023-2024

The next activity is **IT News World**. This is a daily activity which is intended to enable the learners inclined with the latest technology in computer science and to acquire all the important aspects needed to be known to excel with their career. Through this activity, the students are encouraged to prepare articles in the current trends of IT. The articles are exhibited in the class rooms and common notice boards of the department. Every student in the department will be getting his chance of preparing the articles at least twice in a semester.

News Corner – is another daily activity which enables the learners as well as the teachers to cope up with the contemporary drift in IT. Articles to stimulate the young minds are prepared by our faculty members and will be published on the notice boards of the department.

The department encourages the students to share their knowledge through the twin activities **Cyber Prodigies Forum (CPF)** which is a student's forum and **Think Fest** which is an intra department Competitions meet.

The three major areas focused in CPF are:

- Efficient Programming and Debugging
- Multimedia Presentation and Web Designing
- Paper Presentation and Marketing

Tricks and Tips are taught by the forum trainers periodically in these areas in order to increase the learners' confidence level and their winning ability. The effectiveness of the forum activities are measured through the **Think fest Competitions**. At this Juncture, we are proud to mention that our students have participated in **05** Intercollegiate Meet Competitions held at various premier institutions and won **17** prizes in the Inter – Collegiate meets held at various during the academic year 2023– 2024.

Through the activity, “**Teach While you Learn**”, the student-teachers are encouraged to disseminate their Technical Skill and Knowledge to their Peer counterparts.

Next, I would like to brief on the **activities planned for the academic year 2024 – 2025**.

An **Interdisciplinary Programme (IDP)** - Faculty Development Programme cum Hands on **Workshops on “R Programming” and “Cloud Infrastructure and Services”** for the faculty members of Mathematics, Computer Science and Physics Departments is planned for the months of August and September 2024 respectively.

In order to expose the students to the industry environment, **Industrial Visits for the Pre-Final and Final Year Students** have been planned in the month of August 2024.

Cultural Fests are incredible because they bring students from diverse backgrounds together to showcase their talents. It's a time for celebration and cultural exchange, where students can share their traditions, music, dance and more. Hence, “**Cyber Fest’24**” – an Intradepartmental Cultural Competition is planned in the month of August 2024.

An Interdisciplinary Skill Development Programme “**Enhancing creative thinking and decision making Skills**” for the Final Year Students of Computer Science Stream is planned for the month of August 2024.

There is a plan to conduct a **Guest lecture** on “**Software Development Life Cycle**” for the final year students in the month of September 2024.

The department has planned to conduct a National level Workshop / **Inter-Collegiate meet (DigiFest’24)** in the month of September 2024.

The Department has planned to conduct an Extension Activity on “**E-Waste Management**” in the month of October 2024.

The Department has planned to conduct a Guest lecture on “**Technical and managerial approach in Project Development**” for the Final year students in the month of October 2024.

A Faculty Improvement Programme (Laboratory Staff Training) on “**Open Source / Licensed Software Installation and Hardware Trouble shooting**” for the Non-Teaching Staff members was planned in the month of December 2024.

Two best practices of the department are “**Training by the Trained**” and “**Training by the Alumni**”. Through the activity “**Training by the Trained**”, the eligible students for placement are trained by their peer placed students of the final year. This activity has been planned to be conducted from December 2024 onwards.

The Alumni from corporate world are well aware of the expectation of the industry and the required employability skills. They may impart this knowledge to all our budding IT Professionals of final year and train them. Hence, the department is organizing a Training program “**Training by the Alumni**” by our Corporate Alumni every year. These activities are planned to be conducted in the month of December 2024.

The Department has planned to conduct an **Alumni Meet – “CyberNostoS’24** in the month of December 2024.

In January 2025, Three Days Academic Industry Interface Programme - **Hands on Training cum Workshops on “Machine learning” and “Python Programming “** has been planned for the first year Computer Science and Computer Science with Data Analytics students respectively.

A **Faculty Exchange Programme** with Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous), Coimbatore has been planned for the month of January 2025.

The Department has planned to conduct an **Academic Industry Interface Programme on “Block Chain Technology”** for the Pre final year students in the month of February 2025

The Department has planned to conduct an Extension Activity on **“Web Designing”** for the members of Erode Arima Society Trust, Special school for differently abled, SengodamPalayam, Thindal in the month of February 2025.

The department has planned to conduct an Interdisciplinary Programme (IDP) - **Hands on Training on “Computer Hardware and Networking”** for First year students in the month of February 2025.

The department has planned to conduct an Inter- Disciplinary (IDP) one day Seminar on **“Internet of Things (IoT) ”** for the final year students in the month of February 2025.

Finally, the department winds up its association activities in **February 2025** for the year 2024 – 2025 with the **finals of Think fest competitions** followed by **Valediction of Association Activities**. The **13th** volume of Computer Info Gallery and the **104th issue of “IT-Unlimited”** magazine would also be released on the occasion.

The successful and the effective implementation of the activities of the department would be possible by the constant support of our Correspondent, the encouragement and motivation by the Principal, the cooperation of the faculty members and importantly, the enthusiastic participation of the students as they are at the receiving end.

Dear young Ladies and gentlemen, Dr.A.P.J Abdul Kalam quoted that the **purpose of education is to replace an empty mind with an open one**. He believed that **Science can change our future; and the future of our society lies in the hands of aspiring young people like you**. Young people who can **innovate, cooperate with others, and stay resilient would be able to rise up to the challenge and make our earth a better place**. Dr. Kalam dreamt of this and he had an unshakable hope on the youth of our Nation. It is your duty to make his dream come true and I wish you all, to make use of all these activities in the world of science and Technology and come out with flying colors.

With these key factors and with great dreams, I conclude the year plan report of **2024-2025** and I hope that all these dreams will come true and the department will achieve much more and reach the peak of success in the years to come!!

Thank You Very Much!!!!

Jai hind....!