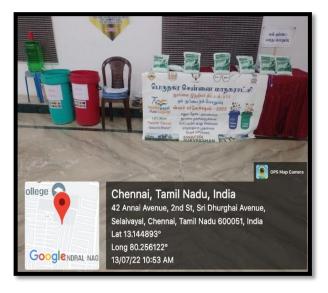
Thiruthangal Nadar College Knowledge is Power

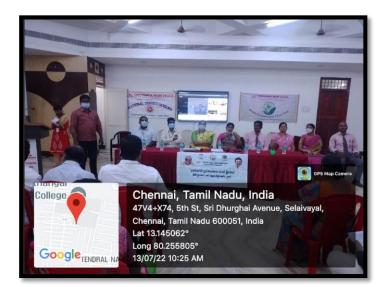
NAAC CYCLE III – AQAR 6.5 Internal Quality Assurance System 6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Solid waste management and Eco friendly environment" Date: 13-07-2022 Department: ECO Club & NSS Participant Count: 75

As a part of the Environment awareness campaign to make the country garbage free, we have organized an awareness programme on "Solid waste management and Eco friendly environment "on 13h July 2022 at 10.00 AM. Special talk was given by the Chennai corporation officials to create awareness among the students to segregate waste and explained about the evils of dumping garbage in public places. All the students were educated about the various aspects of solid waste management such as Wet waste /Bio degradable waste, Dry waste/ Non Bio degradable waste and Domestic Hazardous waste. Students have taken pledge to keep our city clean. A total of 75 Students were attended the programme.









Title: "Current Growing Trends in AI- Smart Voting System" Date: 01-09-2022 Department: PG Dept of Computer Science Participant Count: 75

The PG Department of Computer Science organized the National Level Seminar sponsored by ICSSR entitled " Current Growing Trends in AI- Smart Voting System" today (1/9/2022). The inaugural address was proposed by Dr. S. Santhosh Baboo, Member- Syndicate, University of Madras & Principal of DG Vaishnav College, Chennai. He stated the evolution and need of AI and need of smart voting system.

The seminar includes 2 session in which session 1 was held by Dr. V. B. Kirubanand, Associate Professor, Dept. Of Computer Science, Christ (Deemed to be University), Bangalore. He points out the differences between wired and wireless technologies and the role of internet in Voting System. The session 2 was held by Dr. S. Sasikala, Associate Professor, IDE Head i/c, Center for web based learning, Dept. Of Computer Science, University of Madras, Chennai. She explain the lifecycle of Machine Learning and Big Data Analysis in brief. The valedictory session was presided over by Dr. A. Murugan, Associate Professor, PG & Research Dept. Of Computer Science, Dr. Ambedkar Govt. College, Chennai. We would like to thank our honorable Secretary & Correspondent Thiru. A. Narayana Murthy, M. Tech., our Principal in- charge Dr. K. C. Lalithambika, our vice- principal Dr. S. Asaithambi, Heads & Faculties of various depts, non- teaching staffs, students and Research scholars for making this event a grand success.







Title: "Data Science Using Python" Date: 21-07-2022 & 22-07-2022 Department: B.Sc Computer Science Participant Count: 95

The Department of Computer Science has organized a workshop on "DATA SCIENCE USING PYTHON" for two days (21-07-2022 to 22-07-2022). Dr. Dr. K B Priya Iyer, Additional Controller of Examinations, Associate Professor& Head B.Sc. Data Science, Department of Information Technology, M.O.P. Vaishnav College for Women (Autonomous), Chennai, conducted the workshop from 10.A.M to 12.45 PM for the first day in Thiruthangal Gnaniyar S.Arumuga Nadar Meenammal Trust (A/C) Conference Hall & followed by a demonstration section on 22.07.2022 @ Lab-6 from 10.00 a.m. to 12.45 p.m.

The Session was inaugurated by Dr. K.B. Priya Iyer, accompanied by Vice-Principals. During this session on (21-07-2022), she explained about Data Science Definition and its various processes. She explained the difference between Data Analysis and Data Analytics. She also explained about Internet of Things, Artificial Intelligence and its types, Machine Learning, Augmented Reality, and Datasets with various real-time examples. On (22-07-2022) she took a sample dataset of plants and plotted various types of graphs. She taught Google Collab to all students and our students were able to plot the graphs in live session. All the participants appreciated the session. As much as 95 participants including the staff joined in this workshop.







Title: "Performance on efficiency of OLSR and AODD protocols in Manet". Date: 19-07-2022 Department: Research Cell Participant Count: 44

On 19th July 2022, Tuesday inauguration function of TNC-RESEARCH CELL was held in a pleasant manner. Dr.S.Srividya, Respected Principal addressed and motivated the faculty members to contribute in research cell activities enthusiastically. The Introduction and Welcome address is given by Dr.A.J.Rajeswari Joe, Chairperson of TNC-Research cell. Dr.P.T.Kasturi Bai , Head of the Department of Computer Science presented the paper on her research topic "Performance on efficiency of OLSR and AODD protocols in Manet". In the presence of Vice Principals Dr.K.C.Lalithambika and Dr.S.Asaithambi the inaugural function was over successfully. Around 44 staff members from various departments of science stream participated and benefited. The session was interactive and informative. Vote of thanks is given by Dr.N.SanthanaVadivu, Head of the Department of PG & Research Department of Commerce.





Title: "Art of Writing a Research Paper" Date: 19-07-2022 Department: Research Cell Participant Count: 81

The PG & Research Department of Commerce organized The Interactive Research Workshop on the topic of "ART OF WRITING A RESEARCH PAPER" on July 22nd, 2022 at 1.00 clocks. Dr.N.SANTHANAVADIVU, Head of the PG & Research Department of Commerce introduced the Resource Person, Dr.ARUL SURESH, Assistant Professor, Loyola College, Chennai. The Session started with a Welcome address by Ms.T.Divya II MCOM student and was attended by 81 participants PG, M.Phil research scholar, and various commerce faculty members. At the end of the workshop our II MCOM Student, Ms.P.S.Lajvandhi presented the vote of thanks. The following points were highlighted by the resource person in the session.

- Importance of Quality research Article.
- Drafting articles without plagiarism.
- Using Mendeley and Grammarly for Effective Research Article.





6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Winning Skills to Succeed in the Corporate World" Date: 21-07-2022 Department: B.Com Accounting & Finance Participant Count: 54

The Department of Accounting & Finance has conducted a Knowledge Enhancement Programme on "Winning Skills to Succeed in The Corporate World" for B.COM 3 year students on 21st July ,2022. A total of 54 students attended the programme. One of the students gave the introduction of the speaker. The lecture was given by our TNC Alumnus Mr. K.M. Rogeeth. He began with an introduction about the importance of communication skills. He shared his views and thoughts about developing communication skills by communicating with various other state people and adopting their lifestyles in order to gain the listening skills as well as to obtain the habit of mingling with different kind of people as and when the students to get a chance of working in team of people with the different background and also shared his own experience during his campus placement. The session was very interactive and students participated enthusiastically and got their queries clarified and also they gained knowledge on skills required to excel in the corporate world.







6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Feature Selection for Machine Learning Model" Date: 29-07-2022 Department: B.Sc Software Applications Participants: 22

The department of Software Applications organized a Knowledge Enhancement Programme entitled "FEATURE SELECTION FOR MACHINE LEARNING MODEL" at Lab IV between 9.00 a. m to 10.00 a. m. today(29/7/2022). Dr. A. UDHAYAKUMAR, M.Sc., M.C.A., M.Phil., Ph.D., SET, NET Head & Assistant Professor, Dept. of Software Applications, A.M. Jain College served as the Resource person. He shared his knowledge on AI and Machine Learning stating real life models and the students also interacted enthusiastically.





6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Business Intelligence with Cloud Computing" Date: 03-08-2022 Department: B.Sc Software Applications Participants: 22

The Department of BCA (Both Shift I & II) organized a Knowledge Enhancement Program on 03-08- 2022 at 11.00 a.m. on Business Intelligence with Cloud Computing. The resource person was Mr. S. Vinoth MCA, Senior Associate Consultant, Cognizent Technology, ETL Testing, Chennai. and has made the session very informative with a lot of knowledge sharing and presentation. While Mrs.S.Sathya Assistant professor Host of the session Mrs. J.Karthiga, Assistant Professor, welcomed the gathering, our beloved Principal granted and lead the program. Mrs.T.Rekha, Assistant Professor, introduced the resource person in a formal manner. Mr.G.Jeyakumar, Asst.Professor, thanked the gathering, their support and every effort that has been made to make the session a grand success. Students attended with enthusiasm and made the program active. On this auspicious occasion, We would like to thank our honourable Secretary & Correspondent Thiru.M.G.E. Selapalam , our Principal Dr.S.Srividhya, our Vice Principals - Dr.K.C.Lalithambika and Dr. S. Asaithambi for their continuous support and guidance. The session is so much useful to the students as it being a current trend and it was so interactive.





Title: "Data Analytics & Cloud Computing" Date: 08-08-2022 Department: B.Sc Computer Science Participants: 63

The Department of Computer Science has organized Knowledge Enchancement Programme on "DATA ANLYTICS & CLOUD COMPUTING" on 08th August, 2022 at 11.00 am. Our Alumni Mr.Jagan Janakaran, MCA, Data Engineer, Accenture AI, Bengaluru, Karnataka, was the Chief Guest for the Occasion. The Session was inaugurated by our Alumni, Mr.JaganJanakaran. Welcome speech was given by Mrs.D.Lissy, Associate Professor, Department of Computer Science and followed by Introduction of chief guest by Our Head of Department, Dr.P.T.Kasthuribai. During this session, He explained Data Analytics and way of using the data from cloud. He described the cloud types and companies which they used. He also explained about current opportunities about data analytics to the students. The session is very Inter active. The participants appreciated the session. As much as 63 participants joined in this event. The Valedictory Speech was presented by Mr.P.Jayachandran, Assistant Professor, Department of Computer Science, Thus the Event ends with Successful Manner.





Title: "Current Trends in Data Science Applications and their Uses" Date: 10-08-2022 Department: M.Sc Computer Science Participants: 15

SAXON [Students Association for excelling on New Technologies] of PG Department of Computer Science organized Knowledge Enhancement Programme- on "Current Trends in Data Science Applications and their Uses" held on 10-08-2022.Chief Guest: Ms.M.Malathy, [TNC Alumna], Guest Lecturer, Department of Computer Science, Sir Theagaraya College, Chennai.M.Sc Computer Science Students, Staffs and other department students are participated. II M.Sc student of M.Gayathri gave a welcome address to the Guest and Participant's. Introduction of chief guest was done by Dr.P.Krishnamoorthy, Associate Professor, and PG Department of Computer Science. The Vote of thanks was rendered by II M.Sc student of S.P.Jayabharathi Pandian. Our students and staffs had the opportunity to gained knowledge about the Data Science. We are thankful to our honorable secretary and Correspondent Thiru. M.G.E.selapalam, most respected principal Dr.S.Srividhya and beloved viceprincipals Dr.K.C.Lalithambika and Dr.S.Asaithambi for their continuous support.







Title: "Real World Applications of Block Chain" Date: 25-08-2022 Department: BCA Shift I & II Participants: 75

The Department of BCA Shift I & II has organized a SKILL DEVELOPMENT PROGRAMMEon REAL WORLD APPLICATIONS OF BLOCK CHAIN. The Resource person Dr.K.SATHYA, Assistant Professor, Saveetha College of Liberal Arts &Science Chennai, has made the session very informative with a lot of presentation and communication. She also explained that a block chain is a distributed database or ledger that is shared among the nodes of a computer network. As a database, a block chain stores information electronically in digital format. Block chains are best known for their crucial role in crypto currency systems, such as Bitcoin, for maintaining a secure and decentralized record of transactions. The innovation with a block chain is that it guarantees the fidelity and security of a record of data and generates trust without the need for a trusted third party. The session was very informative to the students as it being a current trend and it was so interactive.

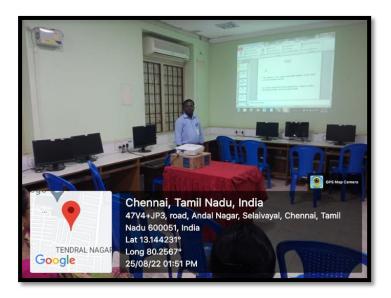






Title: "Simulation tools" Date: 25-08-2022 Department: Research Cell Participants: 18

On 25th August 2022, Thursday TNC-RESEARCH CELL organized a Research Conferment. The Introduction and Welcome address is given by Dr.A.J.Rajeswari Joe, Chairperson of TNC-Research cell. Dr.J.Devagnanam, Associate Professor, Department of BCA-Shift II bestowed his presentation on the topic "Simulation tools". Around 18 staff members from various departments of science stream zestfully participated and benefited. The session was interesting and enlightening. Vote of thanks is given by Dr.N.SanthanaVadivu, Head of the Department of PG & Research Department of Commerce. We are obliged to our Honorable Secretary & Correspondent Thiru.A.Narayana Murthy.We are thankful to our esteemed Principal i/c Dr.K.C.Laithambika and our Vice principal Dr.S.Asaithambi for their continuous support and exciting guidance. We would like to thank the Heads and faculty teams of various departments.





6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Human Value Ethics" Date: 29-08-2022 Department: B.Com Corporate Secretaryship Participants: 117

The Department of Corporate Secretaryship organized the Seminar on "Human Value Ethics" has been conducted for First and Final year students of B.Com (CS) shift – I & III B.Com cs-- II around 117 students were participated in the Guest Lecturer and the Resource person enlighted the students with key terms and schemes of Human Value Ethics.





Title: "Excess of Mobile Phone Usage Leads to Cyber Crime" Date: 16-08-2022 Participants: 117 Department: BA Criminology & Police Administration Participants:

The Department of Criminology & Police Administration organized the Awareness Programme on **"Excess of Mobile Phone Usage Leads to Cyber Crime",** The chief guest explains about various types of cyber crimes and various victimization on cyber crime, case study and cyber crime statistics on use and misuse of social media, online gaming addiction and various measures to prevent the cyber crime. Through videos he explains about gaming addiction and public opinion on gaming etc.

- Email Spoofing
- Denial of Service Attack
- Web Hijacking
- DDOS
- Phishing
- Density Theft

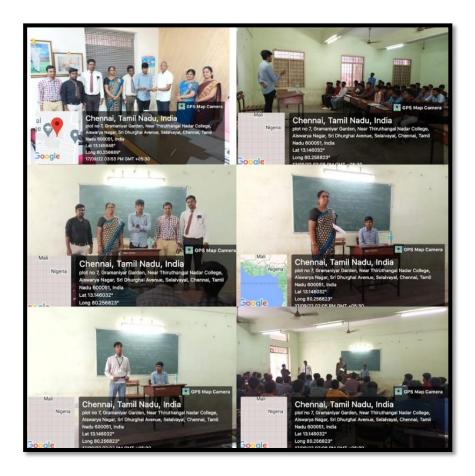






Title: "Technology in Banking" Date: 17-09-2022 Department: B.Com General Participants: 55

A report on the Knowledge Enhancement Programme on "Technology in Banking" organized by Department of Commerce General shift II at Room No: 17 on 17th September 2022, by 2.00p.m. Mr. Vithiyasagar Parthiban, Deputy Manager, HDFC Bank, T.Nagar Branch Chennai, TNC alumni was the resource person. He gave a brief intro about the banking jobs available in the city and the recent technologies prevailing in the banking sector. He also shared his personal experiences in the field. He encouraged the students to prefer banking as their core area. Almost 55 students of III and II year B.Com General Shift II participated. 4 staff from the home department participated in the program.





Title: "Role of Chemical Industries in Indian Economy" Date: 17-09-2022 Department: B.Sc Chemistry Participants: 34

The products manufactured by chemical industries are essential across the spectrum and serves as a feeder for many other industries. Therefore, chemical industries play a catalytic role in Indian economy. In view of this, Department of Chemistry organized one day Knowledge Enhancement Programme on the title "Role of Chemical Industries in Indian Economy" on 17h September, 2022 (Saturday). The resource person Dr. M. Vadivel, Assistant Professor (Economics), Department of Corporate Secretaryship, Thiruthangal Nadar College, Chennai had kindly consented to deliver a lecture on "Role of Chemical Industries in Indian Economy". The session was very informative and enriched students on the role of chemical industries. The faculty members of Department of Chemistry were grateful to Secretary & Correspondent Thiru. A. Narayana Murthy, Principal In-charge Dr. K. C. Lalithambika, Vice-Principal Dr. S. Asaithambi, Hoods and Staff members of various departments for their constant support and encouragement.





Venkateshwara Colony, Selaivayal, Chennai, Tamil Nadu 600118, Aiswarya Nagar, Sri Dhurghai Avenue Kodungaiyur, Chennai, Tamil Nadu 600051, India



Title: "Introduction to food adulterants and identification of food adulterants using analytical methods" Date: 21-09-2022 Department: B.Sc Chemistry Participants: 50

The department of Physics, Chemistry and Plant Biology and Plant Biotechnology organised a skill development programme on the topic "Introduction to food adulterants and identification of food adulterants using analytical methods" on 21st September 2022, Wednesday at 10.00am. The session was handled by two speakers Dr. M. Anbu Malar & Dr. J. Sonya, Assistant Professor, Department of Food Processing and Quality Control, Stella Maris College, Chennai - 600 086. Dr. J. Sonya introduced the topic adulteration, discussed about various food adulterants, features of FSSAI, BIS and AGMARK. Dr. M. Anbu Malar discussed about various detection methods of food adulteration. This was followed by a practical session done by our students to detect the food adulteration in common food ingredients sold at market. Strength of 50 Students were attended the Programme. We are very thankful to Secretary and Correspondent Thiru A. Narayanamoorthy, Principal In charge Dr. K. C. Lalithambika and Vice Principal Dr. S. Asaithambi for their moral support.

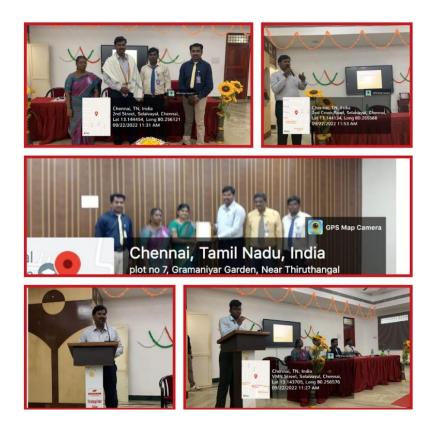




Title: "Research Ethics" Date: 22-09-2022 Department: PG & Research Department of Commerce Participants: 66

The PG & Research Department Of Commerce Organized The Research Programme on The Topic of "Research Ethics" On September 22nd 2022 At 11am. Dr.N.Santhanavadivu, Head of The PG & Research Department of Commerce introduced the Resource Person, Dr.R.K.Gopinath Assistant Professor, D.G.Vaishnav College, Chennai .The Session Started with A Welcome Address by Mr.S.P.GOKUL II MCOM student and was attended by 66 participants PG, M.phil research scholar, and various commerce faculty members. At the end of the workshop our II MCOM Student, Ms.S.Sangeetha presented the Vote of Thanks .The following points were highlighted by the resource person in the session.

- Significance of Research ethics
- How to write Research article
- Effectiveness of Research work.





Title: "App Development in Kotlin" Date: 22-09-2022 Department: Software Applications Participants: 35

TECHMINE ASSOCIATION, the department of Software Applications organised ALUMNI TALK on "APP DEVELOPMENT IN KOTLIN" at Room no.33 between 11.30 a. m to 12.45 p. m. on 22/9/2022. Mr. R. K. Sanjeev, Alumnus of our College acted as the Resource Person for the programme. He made the session interesting by quoting real time examples and also illustrated a demo on real time application to the students. The students enjoyed the session and interacted enthusiastically and also came out with the positive feedback.





Title: "Influence of Economics in Business & Corporate Sector" Date: 07-10-2022 Department: Corporate Secretaryship Participants: 110

The department of Corporate Secretaryship organised the Knowledge Enhancement Programme on "Influence of Economics in Business & Corporate Sector" has been conducted for Final year students of B.Com (CS) shift - I and shift-II around 110 students were participated in the webinar and the Resource person enlighten the students with key terms and schemes of Career Guidance.





Title: "Web Application Using MYSQL" Date: 28-10-2022 Department: Software Applications Participants: 30

TECHMINE ASSOCIATION ,the department of Software Applications organized Skill Development Programme-WEB APPLICATION USING MYSQL at Lab 6 between 9.00 a. m to 12.45 p. m. today(28/10/2022). Mr. Udayakumar Umapathy, Assistant Professor, Dept. Of Computer Science, SRM Institute of Science & Technology acted as the Resource Person for the programme. He illustrated a demo on web applications and real time projects to the students which made the session interactive. Nearly 30 students attended the hands-on training session and also came out with the positive feedback.





6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Cyber Crime Impact on Global Criminal Justice System" Date: 31-10-2022 Department: Criminology & Police Administration Participants: 30

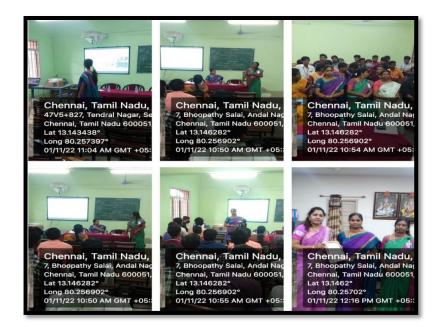
The speaker started his session with the cyber crime investigation and analysis which included chain of custody, a printed or electronic document in which the acquisition which is who, when, where, how & what method was used to collect evidence. She explains about various types of cyber crime and its impact. Custody which is who, where, how and how long the possession of the evidence and how long it was kept. Processing, which is what was done to the evidence for example cloning, analysis etc. and transfers of any piece of evidence are recorded it must include all basic information regarding the investigations. The session was enlightening and thought provoking to the students as the speaker included some real life examples and was taken by a professional who is also working in the same field, it would very well help the students in framing their future career as it was like guidance to them in the field of cyber security.





Title: "An Overview of Block Chain Technology" Date: 01-11-2022 Department: Software Applications Participants: 23

TECHMINE ASSOCIATION, the department of Software Applications organised KNOWLEDGE ENHANCEMENT PROGRAMME on "ANOVERVIEW OF BLOCK CHAIN TECHNOLOGY" at Room no.33 on 1stNovember 2022. Mrs. S. Suganthi, Associate Professor & Head, Department of B.C.A., Sree Muthukumaraswamy College acted as the Resource Person for the programme. She illustrated real time applications and the importance of Block Chain Technology to the students which made the session interactive. Nearly 23 students attended the session and also came out with positive feedback.





Title: "Marginalised Literature" Date: 05-01-2023 Department: English Participants: 96

The Department of English in association with the Govt. of Tamil Nadu and Chennai Literary Association organized a Workshop on "Marginalised Literature" on 5th January 2023. The event started with a formal invocation and the welcome address given by Mrs. K. Suganthi, Assistant Professor of English. Dr. K. C. Lalithambika, Vice-Principal introduced the resource person to the august gathering. The Presidential Address was given by Dr. V. Devi, Principal and the Key Note Address was given by the Head of the Department Mrs. K. Pamme Nesakumari. The facilitator of an event Dr. V. Sivaraman, Associate Professor, P.G. & Research Department of English, Presidency College (Autonomous), Chennai-05 briefed on the topic Marginalised Literature and the ways to identify and analysis issues related to the marginalized community. After the expert's speech the floor was opened for questions and discussions. Many students enthusiastically participated. Students from neighbouring colleges also eagerly participated and gave a brief feedback about the session. The programme came to an end with the vote of thanks proposed by Ms. A. Christable, Assistant Professor of English. The total number of participants for the programme was 96.





6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Social Entrepreneurship and Innovation" Date: 24-01-2023 Department: Social Work & ED Cell Participants: 112

On January 24,2023 Department of Social work, Entrepreneurship cell and Innovation and Incubation cell, Thiruthangal Nadar College jointly organized an Awareness Program on Social Entrepreneurship and Innovation in Collaboration with EDII, Tamilnadu and Madras School of Social work. Resource person Mr. Antony Stephen, Head, Department of Social Entrepreneurship, MSSW gave a speech on main features of social entrepreneurship and its importance. He also encouraged students to become social entrepreneurs and contribute to the upliftment of our society. It was a very interactive session.112 students participated in this program.







6.5.3 Quality assurance initiatives Year: 2022-203

Title: "Data Analysis" Date: 28-02-2023 Department: Corporate Secretaryship Participants: 117

The department of Corporate Secretaryship conducted a workshop on Data Analysis for First and second year students of B.Com (CS) shift –I & II B.Com cs- II around 117 students were participated in the event and the Resource person enlighten the students with key terms of data analysis





Title: "Full Stack Software Development" Date: 06-03-2023 Department: Computer Science Participants: 58

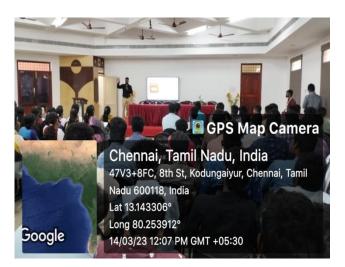
The Department of computer science has organized "Knowledge Enhancement Programme on Full Stack Software Development Program between 11:20 am to 1:00 pm on 06/03/2022(Monday) Ms.Shobana,tech head,NIIT interacted with the students and explained the concept of front end/client side and server side scripting. Three Students got gifts from her by correctly answering. The Session was very informative.



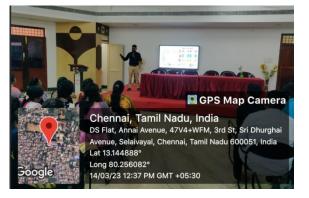


Title: "GST & IT Filing" Date: 14-03-2023 Department: Accounting & Finance Participants:

The Department of Accounting & Finance has organized a Seminar on "GST & IT Filing" for B.COM I, II & III year students on 14th March, 2023. A total of 96 students attended the programme. R.Santhosh, M.com, CA (Inter) was the resource person. He explained the process of PAN application, filing of return, TDS accounting and other matters related to Income tax. With respect to GST the seminar covered various aspects to the tax mechanism like registration, filing of returns, preparation of invoices and Input Tax credit etc. The resource person explained the practical application of the relevant concepts and provided ample time to students to seek clarifications wherever required. The students got hands on experience of the software application through actually working on the real life cases of Filing e returns.









Title: "Making Human Rights a Reality Indian Criminal" Date: 15-03-2023 Department: BA Criminology & Police Administration and Social Work Participants: 21

The making human right a reality Indian criminal justice system was very useful for our students. The chief guest prof. N.E. Raj explained the human rights process and how to apply the human rights related cases to state human rights commission &case process. And he explained now day's very big challenges in human rights violation and the criminal justice system. He explained the human rights are fundamental and in alienable rights that every individual is entitled to, regardless of their back ground or circumstances. This programme aims to examine the state of human rights in the Indian criminal justice system and suggest possible solution to address the challenges.