



Thiruthangal Nadar College
Knowledge is Power

NAAC CYCLE III – AQAR

1.2. Academic Flexibility

1.2.2. Add on/Certificate Programs

Year: 2023-2024

VALUE ADDED COURSE (2023-2024)



THIRUTHANGAL NADAR COLLEGE

(Belongs to the Chennaivazh Thiruthangal Hindu Nadar Uravinmurai Dharma Fund)
A Self Financing Co-Educational College of Arts & Science
Affiliated to the University of Madras
Re-accredited at 'B++' Grade by NAAC & An ISO 9001:2015 Certified Institution

VALUE ADDED COURSE 2023-2024

*Bridges the gap between the academic
and industry need*

16/8/23-13/9/23

**30
HOURS**

*Exclusively for II
year & III year
students*

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THIRUTHANGAL NADAR COLLEGE
SELAVAYAL, CHENNAI-600 051.



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A Self Financing Co-Educational College of Arts & Science
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Re-accredited at 'B++' Grade by NAAC & An ISO 9001:2015 Certified Institution
Selavayal, Chennai, Tamil Nadu, India

VALUE ADDED COURSE 2023-2024
LIST OF COURSES
CLASSES: II YR & III YR

S.NO	NAME OF THE COURSE	COURSE CODE	STRENGTH	DEPARTMENT	ROOM NO.
1	Services Marketing-Integrating People, Technology And Strategy	VACSOC2301	203	B.COM (ISM), B.COM (CS),B.COM (AF), B.COM (G),B.COM (CA),B.COM (BM)	CB 8 CB 7 CB 9
2	Customer Relationship Management	VACSOC2302	207	B.COM (ISM), B.COM (CS),B.COM (AF), B.COM (G),B.COM (ISM),B.COM (CA),B.COM (BM)& HBA	CB 10 CB 11 CB 12
3	Organizational Behaviour	VACSOC2303	197	B.COM (ISM), B.COM (CS),B.COM (AF), B.COM (G),B.COM (BM),BBA,M.COM	CB 16 CB 17 CB 18
4	Management Information System	VACSOC2304	201	B.COM (CS),B.COM (AF), B.COM (G),B.COM (ISM),B.COM (CA),B.COM (BM)	CB 21 CB 22 CB 23
5	Brand Management	VACSOC2305	133	B.COM (CS), B.COM (G),B.COM (CA),B.COM (BM),M.COM,BBA	CB 4 CB 5
6	Cyber Security And Privacy	VACSOS2306	98	BCA B.Sc (CS) B.Sc (SA) M.Sc (CS)	LAB 6 LAB 1
7	Introduction To Industry 4.0 And Industrial Internet Of Things	VACSOS2307	44	BCA S1 BCA S2 B.Sc (CS) B.Sc (SA) M.Sc (CS) B.Sc (Maths)	MB14
8	Bio Analytic Techniques & Bio Informatics	VACSOS2308	36	B.Sc (Chemistry) B.Sc (PBFB)	SB5
9	Python For Data Science	VACSOS2309	87	BCA S1 BCA S2 B.Sc (CS) B.Sc (SA) M.Sc (CS) B.Com(ISM) B.Com (CA)	LAB 2 LAB 4
10	Artificial Intelligence:Search Methods For Problem Solving	VACSOS2310	43	BCA B.Sc (CS) B.Sc (SA) B.Sc (Maths)	MB28
11	Google Cloud Computing Foundations	VACSOS2311	92	BCA B.Sc (CS) B.Sc (SA) M.Sc (CS)	LAB 5 MB2
12	Ethical Hacking	VACSOS2312	46	BCA B.Sc (CS) B.Sc (SA) M.Sc (CS) B.Sc (Maths)	SB6
13	Stress Management	VACSOH2313	193	BBA	MB 23 MB 24 MB 30

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SCHOOL OF SCIENCE

VALUE ADDED COURSE

- 1. CYBER SECURITY AND PRIVACY**
- 2. ETHICAL HACKING**
- 3. INTRODUCTION TO INDUSTRY 4.0 AND IIOT**
- 4. ARTIFICIAL INTELLIGENCE:SEARCH METHODS FOR PROBLEM SOLVING**
- 5. PYTHON FOR DATA SCIENCE**
- 6. GOOGLE CLOUD COMPUTING FOUNDATIONS**
- 7. BIO ANALYTIC TECHNIQUES & BIO INFORMATICS**

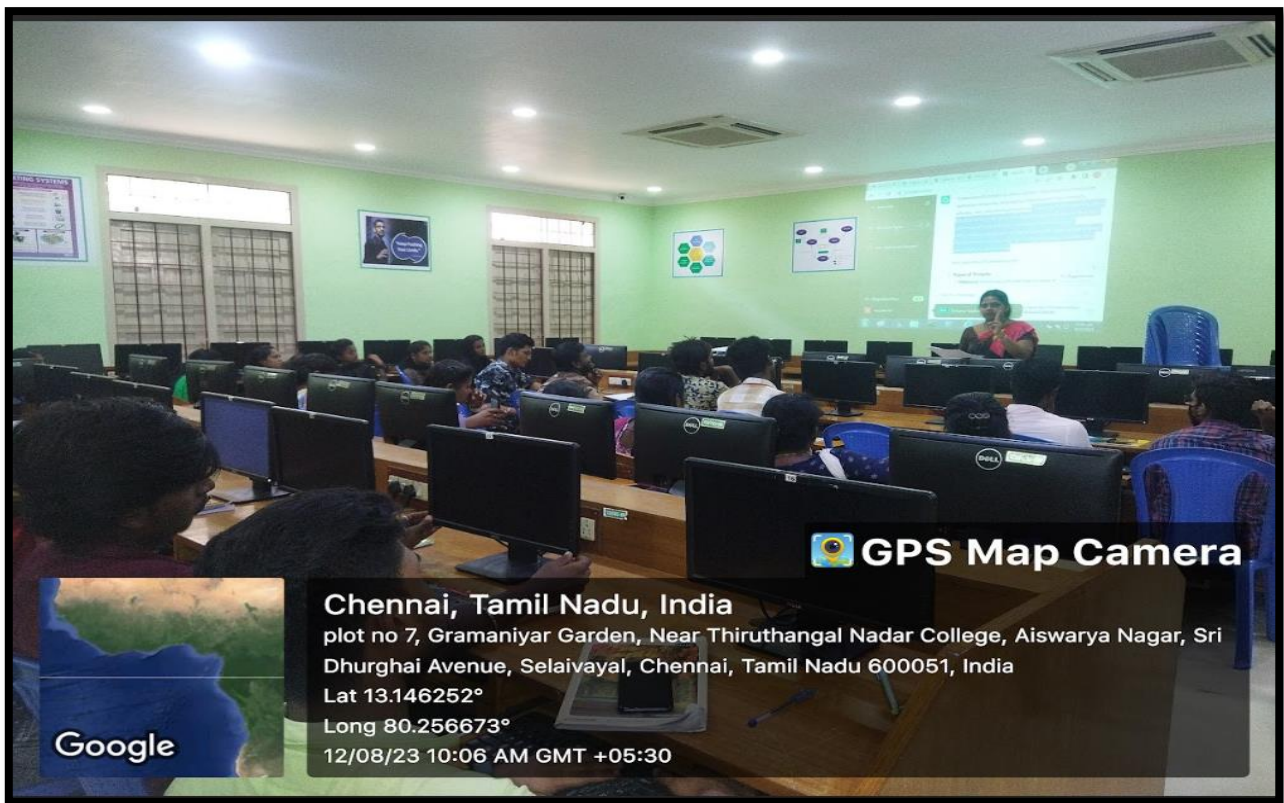
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Course: Cyber Security and Privacy

The Value Added Course entitled "Cyber Security & Privacy" was conducted for 30 hours during the academic year 2023-2024. This course introduces technology, practices and challenging situations related to cyber security as applied in groups. Students are anticipated to broaden a healthy knowledge about cyber security and privacy risks to organizations covering governance, compliance and threat mitigation and carefully take a look at positive enterprise domains.

A total of 97 students from various departments (BCA, BSC CS & MSC CS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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Course: Ethical Hacking

The Value Added Course entitled "Ethical Hacking" was conducted for 30 hours during the academic year 2023-2024. This course outlines the vulnerabilities in a system or network and evaluates techniques that are used to break into an insecure web application and identify relevant countermeasures.

A total of 45 students from various departments (BCA, BSC CS, BSC SA, BSC MATHS & MSC CS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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Course: Introduction to Industry 4.0 and Industrial Internet of Things

The Value Added Course entitled "Introduction to Industry 4.0 and Industrial Internet of Things" was conducted for 30 hours during the academic year 2023-2024. This course deals with the transformation of commercial strategies through the integration of cutting-edge technologies such as sensors, communication, and computational processing.

A total of 43 students from various departments (BCA, BSC CS, BSC SA & BSC MATHS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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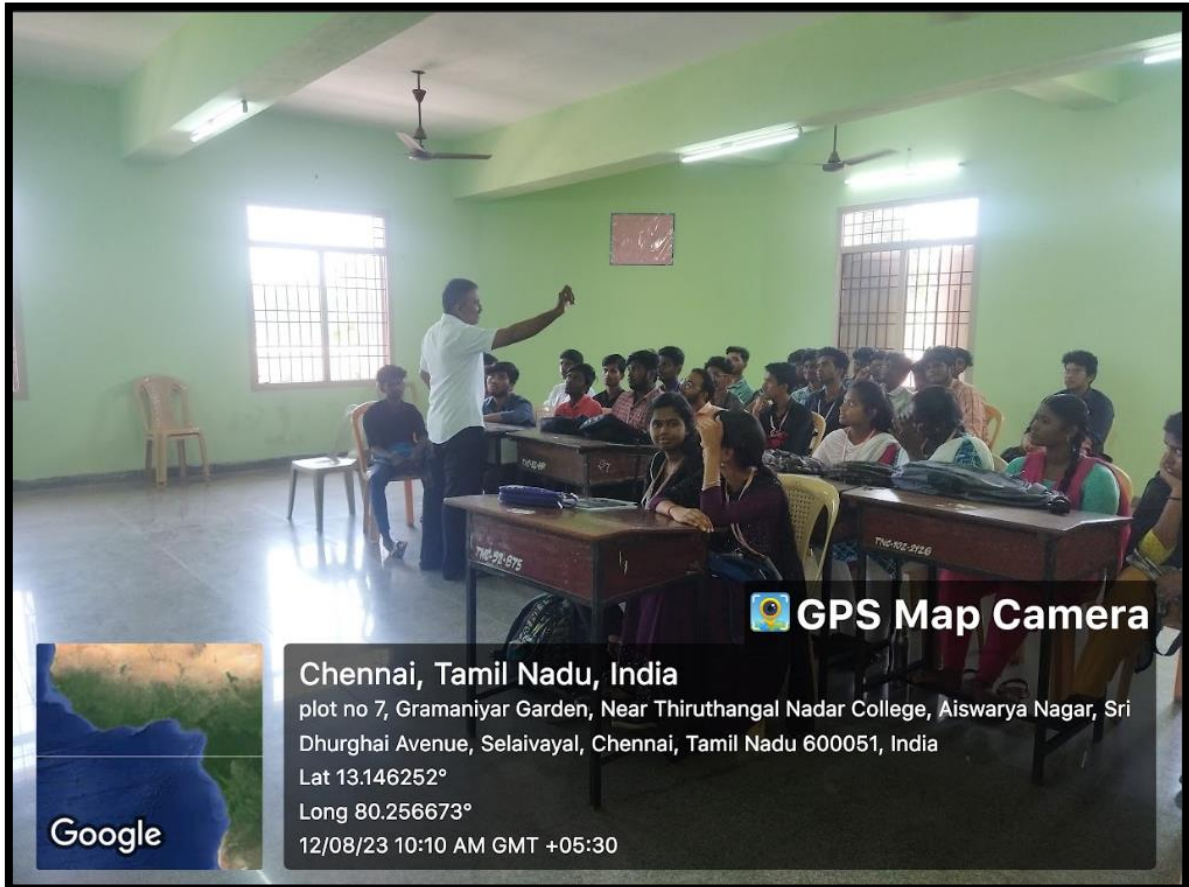
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Course: Artificial Intelligence: Search Methods For Problem Solving

The Value Added Course entitled "Artificial Intelligence: Search Methods for Problem Solving" was conducted for 30 hours during the academic year 2023-2024. This course aims to build a strong foundation for Artificial Intelligence and also provides an exclusive formalism for problem solving, where the quest and reasoning approaches can operate collectively.

A total of 43 students from various departments (BCA, BSC CS, BSC SA, BSC MATHS & MSC CS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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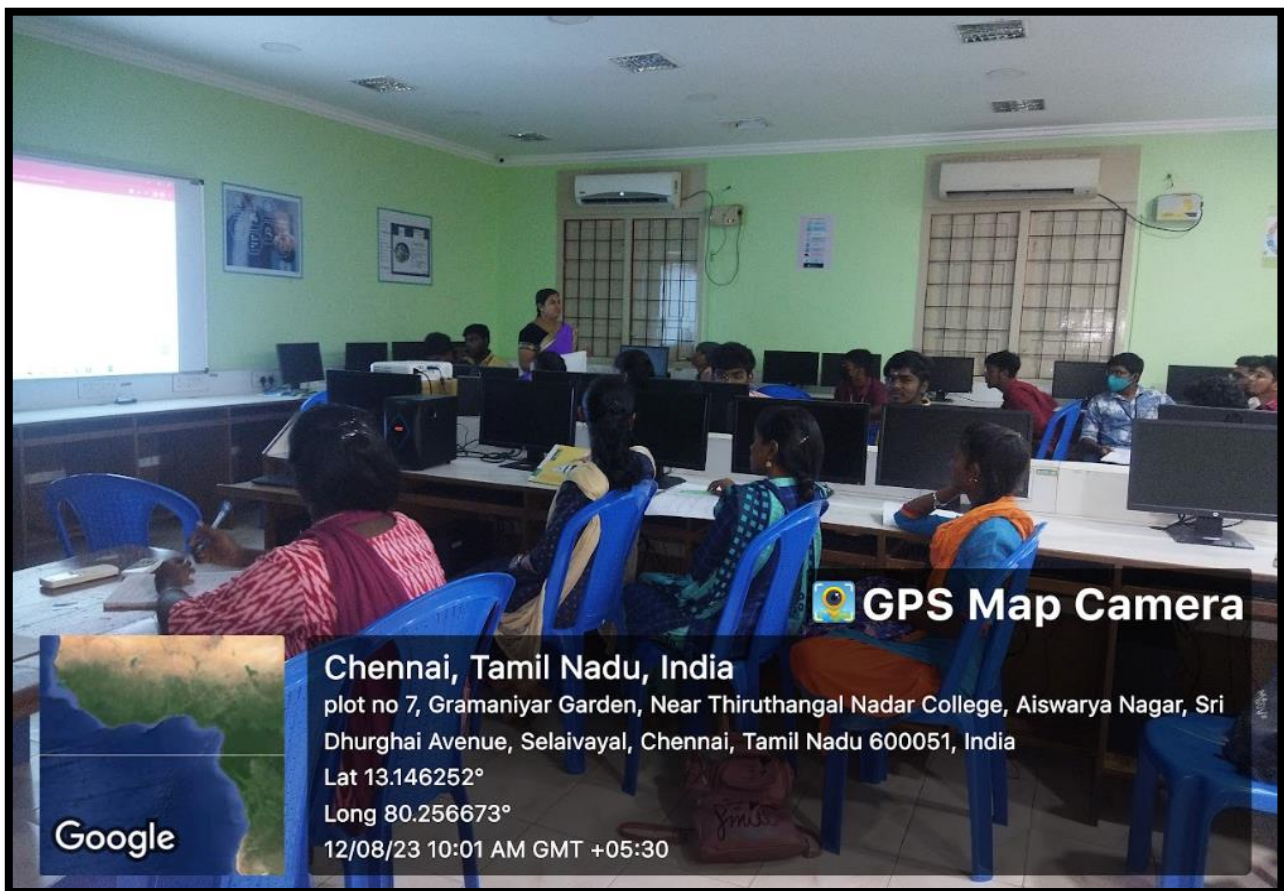
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Course: Google Cloud Computing Foundations

The Value Added Course entitled "Google Cloud Computing Foundations" was conducted for 30 hours during the academic year 2023-2024. The course aims to provide students with a detailed overview of cloud basis, big data, and machine learning and where and how the Google Cloud Platform suits in.

A total of 90 students from various departments (BCA, BSC CS & MSC CS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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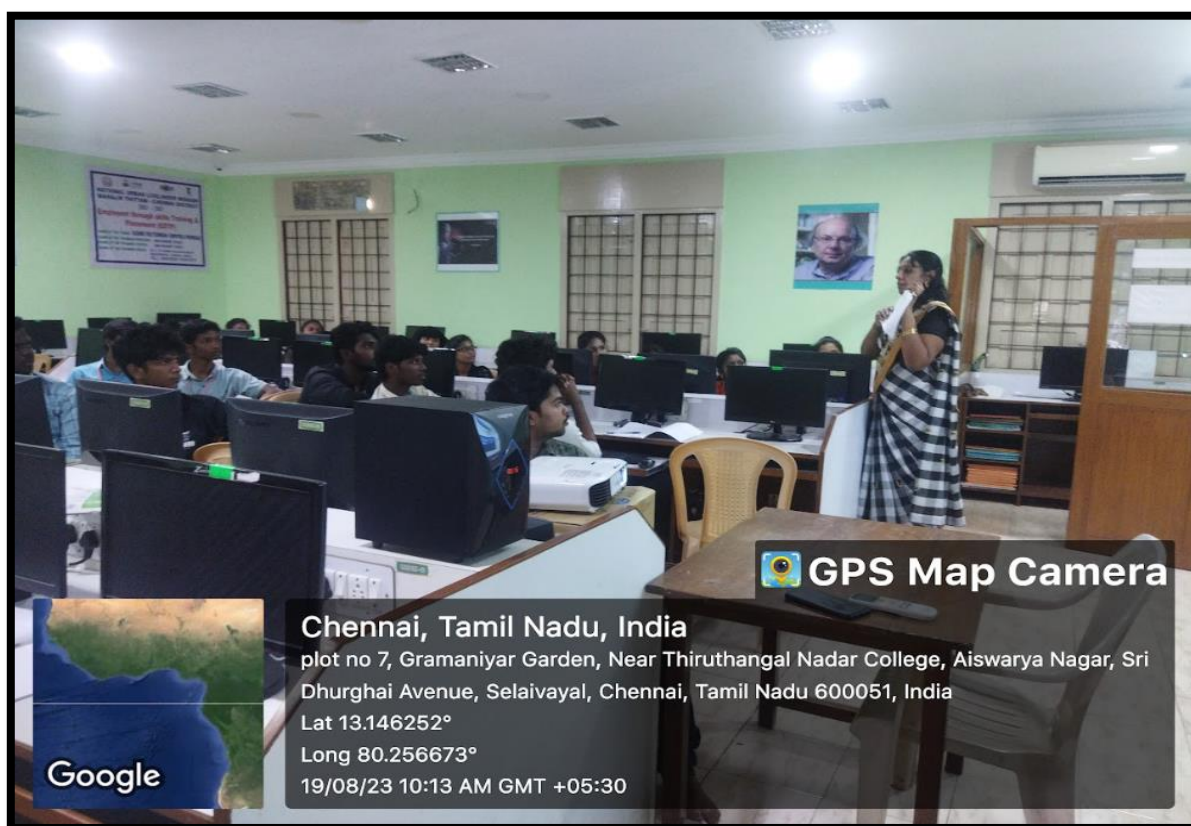
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Course: Bio Analytic Techniques & Bioinformatics

The Value Added Course entitled Bio Analytic Techniques & Bioinformatics" was conducted for 30 hours during the academic year 2023-2024. This course tends to accomplish modern approaches in Bio Analysis and interprets vast biological data using computational techniques.

A total of 32 students from the department of Chemistry & PBPB enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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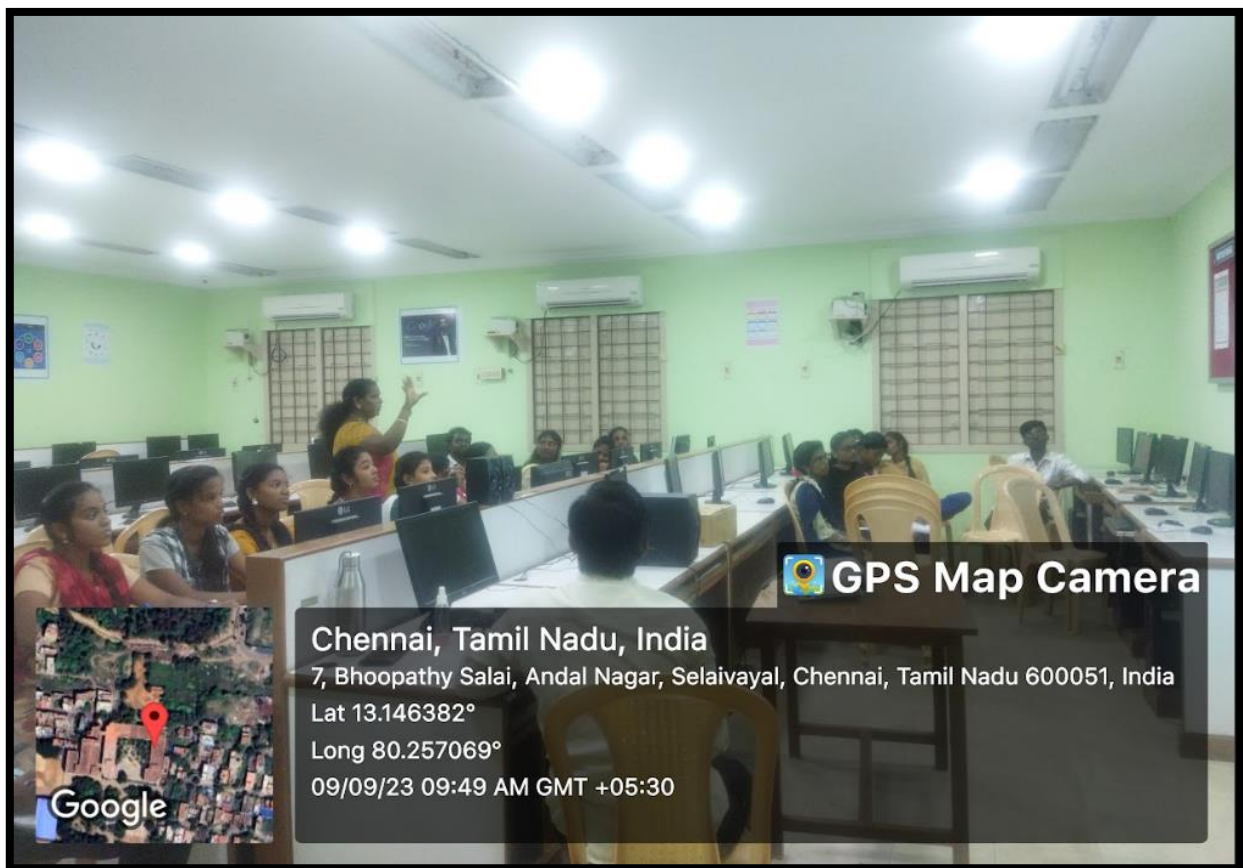
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Course: Python for Data Science

The Value Added Course entitled Python for Data Science" was conducted for 30 hours during the academic year 2023-2024. This course kick starts the learning of Python from scratch and also makes the students experience how python involves solving problems in Data science.

A total of 86 students from various departments (BCA, BSC CS, BSC SA, BSC MATHS, BCOM CA, BCOM ISM & MSC CS) enrolled in the course and were awarded with certificates after continuous assignments and summative assessment.



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SCHOOL OF COMMERCE

VALUE ADDED COURSE 2023-2024

- 1. BRAND MANAGEMENT**
- 2. ORGANIZATIONAL BEHAVIOUR**
- 3. CUSTOMER RELATIONSHIP MANAGEMENT**
- 4. MANAGEMENT INFORMATION SYSTEM**
- 5. SERVICE MARKETING**

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Course: Brand Management Report

Thiruthangal Nadar college conducted value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Ms. S. Poojasree was the Coordinator for the School of Commerce and conducted add on course in the topic "Brand Management" Students from the Department of B. Com (G), B. Com (CS), BBA, M. Com, (enrolled in the course. A total of 131 students got benefitted from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students.



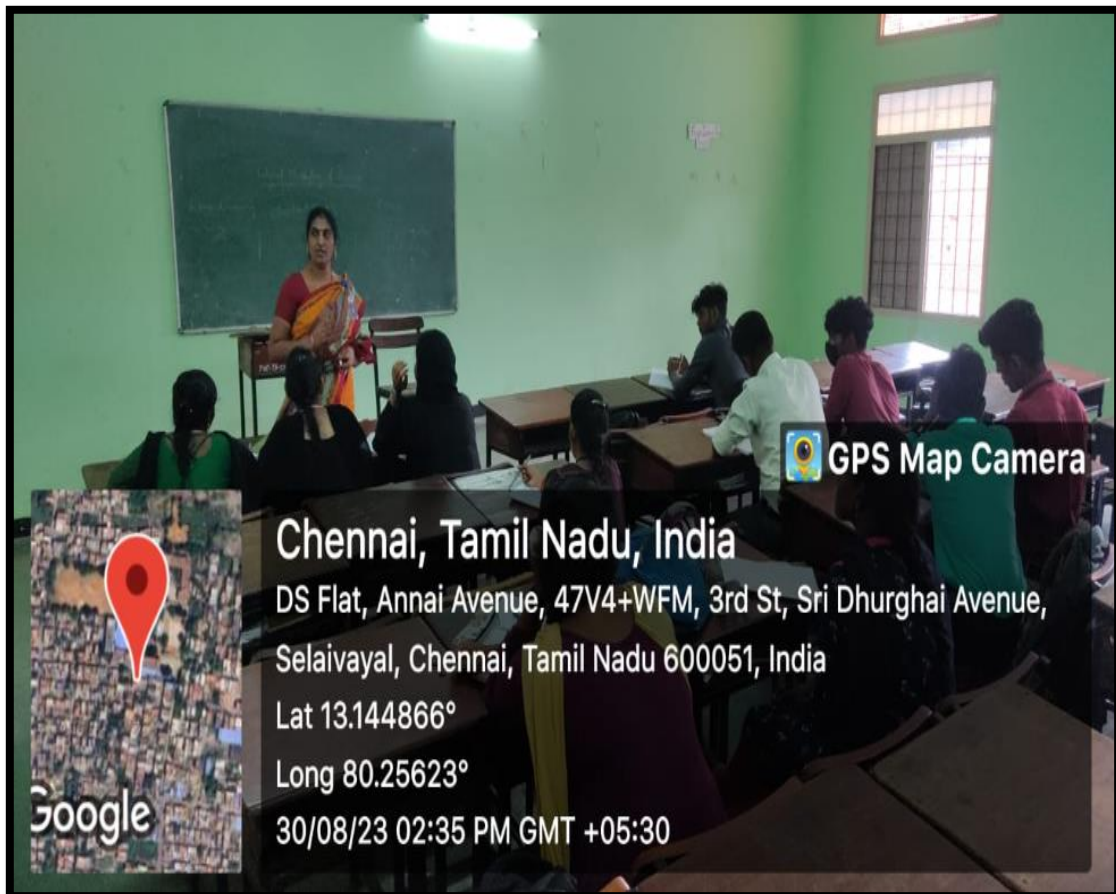
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Course: ORGANIZATIONAL BEHAVIOUR REPORT

Thiruthangal Nadar college conducted value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Ms. S. Poojasree was the Coordinator for the School of Commerce and conducted add on course in the topic "Organizational Behaviour" Students from the Department of B. Com (G), B. Com (CS), B. Com (AF), B. Com (CA), BBA, M. Com, (enrolled in the course. A total of 198 students got benefitted from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students.



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Course: CUSTOMER RELATIONSHIP MANAGEMENT REPORT

Thiruthangal Nadar college conducted value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Ms. S. Poojasree was the Coordinator for the School of Commerce and conducted add on course in the topic "Customer relationship management" Students from the Department of B. Com (G), B. Com (CS), B. Com (AF), B. Com (CA), B. Com (BM), BBA (enrolled in the course. A total of 208 students got benefitted from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students



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Course: MANAGEMENT INFORMATION SYSTEM REPORT

Thiruthangal Nadar college conducted value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Ms. S. Poojasree was the Coordinator for the School of Commerce and conducted add on course in the topic "Management Information System" Students from the Department of B. Com (G), B. Com (CS), B. Com (AF), B. Com (CA), BBA, M. Com, (enrolled in the course. A total of 203 students got benefitted from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students.



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Course: SEVICES MARKETING: INTEGRATING PEOPLE, TECHNOLOGY, STRATEGY REPORT

Thiruthangal Nadar college conducted value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Ms. S. Poojasree was the Coordinator for the School of Commerce and conducted add on course in the topic "Services Marketing: Integrating People, Technology, Strategy" Students from the Department of B. Com (G), B. Com (CS), B. Com (AF), B. Com (CA), B. Com (BM) (enrolled in the course. A total of 204 students got benefitted from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students.



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SCHOOL OF LANGUAGE & HUMANITIES

VALUE ADDED COURSE 2023-2024

1. STRESS MANAGEMENT

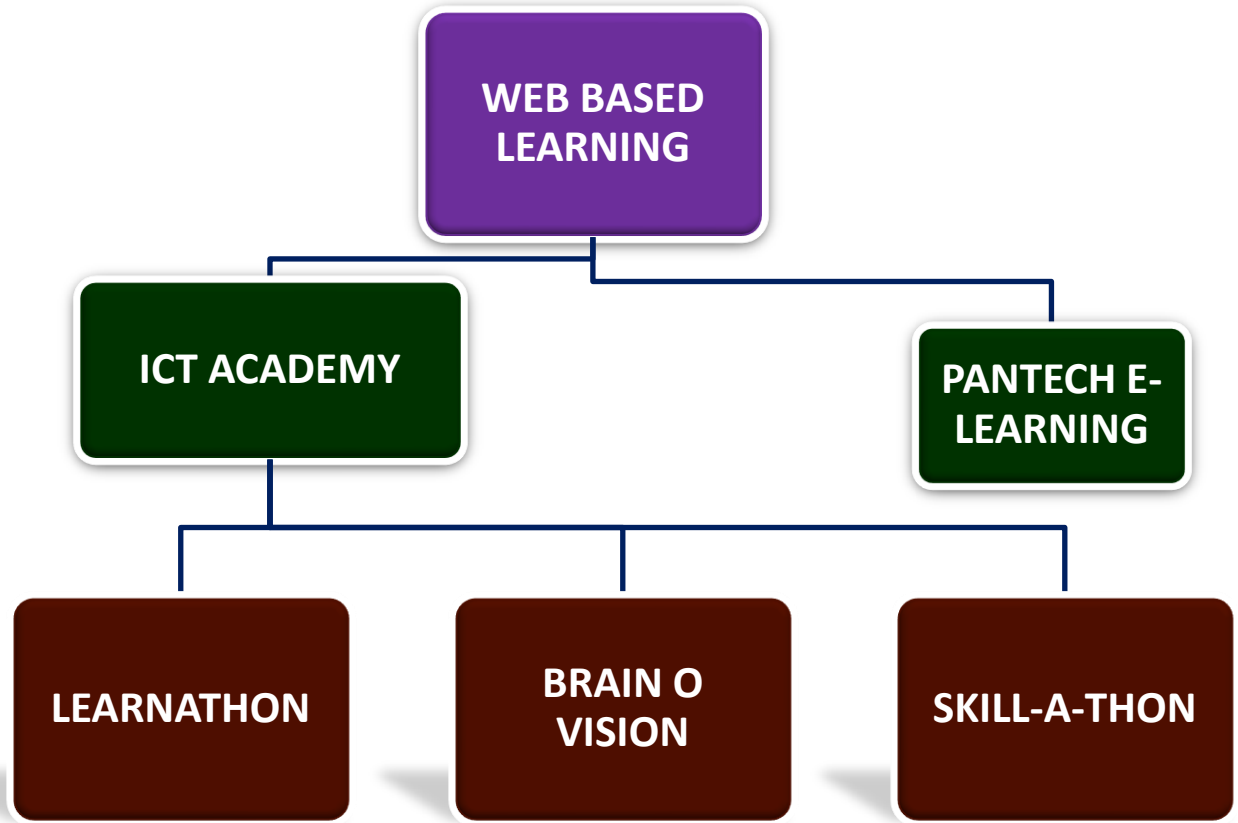
Course: STRESS MANAGEMENT REPORT

Thiruthangal Nadar college conducted a Value Added Course in the academic year 2023-24 (odd semester) from 16/08/2023 to 13/09/2023. Dr. Jagadeeswaran was the Convenor for the add on course. Mrs. Saradha Devi was the Coordinator for the School of language and Humanities and conducted add on course in the topic "Stress Management" Students from the Department of English, Tamil, Social Work, Criminology and Police Administration, and Business Administration enrolled in the course. A total of 191 students benefited from the course. Evaluation was done based on the course. All the students received the Add on course certificate after the evaluation. Faculty members received certificates for curriculum designing. It was very useful for the students.



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Course: LEARNATHON

ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavors to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students. ICT Academy was started to meet the skill requirements of the industry and generate more employment especially in tier 2 and 3 towns, the rural parts of the country. With training of teachers and students as the primary objective, ICT Academy has been working through a seven pillar program in the areas of Faculty Development, Student Skill Development, Entrepreneurship Development, Youth Empowerment, Industry-Institute Interaction, Digital Empowerment and Research & Publications.

Learnathon is one of the initiatives taken by the ICT Academy in partnership with global tech majors for the Student Skill Development. This is exclusive for all the member institutions. It is a self-learning initiative for higher education students to build their foundational IT skills online. To complete the learnathon courses the students must follow the following steps

Step 1

Students have to register at the ICT Academy Learnathon Portal

Step 2

Students receive "Learnathon Learning Guide" in registered email along with the learning Guidelines. This document provides guidelines for students to complete online learning courses through ICT Academy's Learnathon 2023 program. It lists 12 partner organizations including Microsoft, AWS Academy, Automation Anywhere, Bentley, Celonis, Google, MathWorks, Qlik, Juniper Networks, Wadhvani Foundation, UiPath Academic Alliance, MongoDB, VMware, and IIT Madras Pravartak offering various online courses. It instructs students to complete a minimum of 8 courses to be eligible for a completion certificate. It provides contact information for any assistance and encourages students to visit the Learnathon website daily for updates.

Step 3

Student starts self-learning of Learnathon courses.

Step 4

Students submit the certificates / credentials earned in minimum 8 courses to receive the ICT AcademyLearnathon2023Certificate.

Step 5

College SPOC can report back to the ICT Academy on their student's completion

Step 6

Success Students will receive Learnathon 2023 certificate.

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NAAC CYCLE III – AQAR

1.2. Academic Flexibility

1.2.2.Add on/Certificate Programs

Year: 2023-2024



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Course: Skillathon 2023

Intelligent Automation has emerged as a game-changer, revolutionizing how organizations streamline and optimize their operations. The advent of low-code and no-code platforms has democratized the Intelligent Automation landscape.

Discover the world of Intelligent Automation at the Skill-A-thon 2024 is an initiative by ICT Academy of Tamil Nadu in association with UiPath Academic Alliance For inculcating the knowledge on Intelligent Automation among higher education students. In this self-learning program, higher education students can showcase their Intelligent Automation process! This self-learning platform will make them to explore the world of Intelligent Automation.

By proactively developing Intelligent Automation literacy, individuals' future-proof their careers, ensuring they remain adaptable and in-demand in the dynamic job market.

The students undergo the following steps to complete the Skill-A-Thon course

- 1. Start**
- 2. Students Register On Skill-A-Thon Portal**
- 3. Students Receive 'Skill-A-Thon 2024 Learning Guide' Via Email**
- 4. Guide Includes Course Registration Process, Learning Platform Links, And Course Details**
- 5. Students Start Self-Learning**
- 6. Students Complete Suggested Learning Paths**
- 7. Students Earn Certificates/Credentials**
- 8. Students Submit Certificates/Credentials**
- 9. Eligible For UiPath Forum Special Badge**



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Course: Brainovision

International-Level Online Student Workshop on Data Science

Thiruthangal Nadar College organized India’s biggest International-Level Online Student Workshop on Data Science, from February 19th to 23rd, 2024 as one of the Host colleges in association with Brain o vision Solutions India Pvt Ltd. and AICTE. Around 976 students from our college attended this 5 days virtual workshop. Dr. Buddha Chandrasekhar- Chief Coordinating Officer AICTE was the chief guest on the inauguration of this virtual workshop.

<https://www.youtube.com/@brainovision>

<https://www.youtube.com/@brainovision>

<https://www.youtube.com/live/1E7bYtfrf6M?si=HbHBKF3fcHrY-IUC>



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Course: Pantech E-Learning

30 days Master Class on Internet of Things

Our students successfully completed 30 days Master Class on Internet of Things conducted by PanTech. E-Learning Pvt. Ltd. Chennai from 12/07/23 to 12/08/23 and received their certificates. Students attended a Hand-Guided LIVE Session from Basic to Advanced Concepts of IoT as follows:

Topics Covered:

- Day 1 – IOT Introduction
- Day 2 – ESP8266 Introduction & IDE Installation
- Day 3 – ADC, PWM & Deep Sleep
- Day 4 - Smart Street light using LDR and IR Sensor
- Day 5 - PIR Sensor interface using Interrupts and Timers
- Day 6 – DHT11 Sensor Interface with Thing Speak Cloud
- Day 7 – Ultrasonic interface with Thing Speak Cloud
- Day 8 – Monitoring Soil Moisturization using Ask Sensor cloud
- Day 9 - Event Management System Using RFID Thing Speak Cloud
- Day 10 - Gas Leakage Detection Using Arduino IOT Cloud
- Day 11 – UART Communication between ESP8266 & Arduino UNO
- Day 12 – SPI Communication between ESP8266 & Arduino IDE
- Day 13 - I2C LCD
- Day 14 – Build an ESP8266 Webserver
- Day 15 – ESP8266 Webserver HTTP Authentication (Username and Password Protected)
- Day 16 – ESP8266 Webserver with BME280 Sensor
- Day 17 – DS3231 RTC Module Interface
- Day 18 – IOT Based Heartbeat Monitoring System
- Day 19 - Sending Email Using SMTP
- Day 20 – ESP8266 NodeMCU Webserver with Slider: Control LED brightness using PWM
- Day 21 - Controlling Outputs using Webserver
- Day 22 – NodeMCU sends messages to WhatsApp using WhataBOT API
- Day 23 - Control ESP8266 Outputs using Telegram
- Day 24 – ESP8266 NodeMCU Webserver using Server-Sent Events (Update Sensor Readings Automatically)
- Day 25 – Getting Started With Firebase (Real-time Database)

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- Day 26 – ESP8266 Firebase: Send BME280 Sensor Readings to the Real-time Database
- Day 27 – ESP8266 Publish Sensor Readings to Google Sheets
- Day 28 – ESP8266 Daily Task – Publish Temperature Readings to Thing Speak
- Day 29 – ESP8266 NodeMCU Door Status Monitor with Telegram Notifications
- Day 30 – ESP8266 NodeMCU Web Serial: Web-based Remote Serial Monitor

Students learnt also about NODE MCU and how to Implement IoT Applications with NODEMCU with ease.



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Title: “Soft skill Training – Naandi Foundation”

Date: 18-12-2023 to 23-12-2023

Department: Skill Development Center

Participant: 200

THIRUTHANGAL NADAR COLLEGE, Skill Development Centre organized "Six Days Employability Skill Training" from 18.12.2023 to 23.12.2023 at 08.00am to 01.30pm. Around 320 students from B Com General and B Com Corporate Secretaryship actively attended the training session and benefited from it

OBJECTIVES OF THE TRAINING:

- Analyze their current effectiveness in terms of Listening skills and inter personal skill
- Identify appropriate situations and techniques for assertive communication
- Recognize the factors that contribute to building personal profile and impact.
- Develop and improve skill to enhance good listening skills with personal effectiveness at work

The following are the trainers from Naandi Foundation-Titan Leap:

- 1 Smt. B Jayanthi
2. Smt.NSwathika
- 3 Ms N ShaleniPriya
- 4 Mr.S Shankar
5. Mr.JBalap
- 6 SmtSlakshmi

Following topics majorly covered in 6 days training program:

- Understand General Expectations from Corporate standpoint
- BODMAS, LCM, HCF, Speed Maths
- Average problems on Numbers
- Percentage, Coding and Decoding
- Profit or Loss, Mirror Image and Water Image.
- Ratio and Proportion, Blood Relations
- Corporate attire
- Introduction during the interview process
- Mock Interviews
- An overview to communication in the interview process
- Communicate effectively with recruiters
- Methodology:

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- Experiential Learning
- Ample use of role plays
- Share real life examples, share their experiences and also facilitate

At the end of these Training, students gain confidence to understand their quality.



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Title: "Soft skill Training – United Way of Chennai"

Date: 05-01-2024 to 19-01-2024

Department: Skill Development Center

Participant: 507

UWC in association with THIRUTHANGAL NADAR COLLEGE, Skill Development Centre conducted "Soft Skill training" for all Final year students from 05.01.2024 to 19.01.2024 at 08.30 am to 01.30 pm. The main aim was to develop confidence in students and improve their communication skills. This is a comprehensive skill building program for all the students and also they integrating the skill development programs of all departments. Some important tips were given on "Resume Building" and common questions asked during an interview etc. Around 507 students benefited from it.

Name of the Trainers from the UWC:

1. Smt. Sivaranjani S
2. Smt. Tanuja S
3. Mr.Dinesh Kumar M
4. Smt. Aarthi M S
5. Smt.Anu Gandhi
6. Smt. SunithaOjha
7. Smt. Priya N
8. Smt.Shamitha D
9. Smt.Lakshmi S
10. Smt. Sowmiya M K

The following points were highlighted by the UWC Team:

- ❖ Developing Etiquettes & Manner and Grooming.
- ❖ Skill Enhancement initiatives
- ❖ Interview Skills
- ❖ Grammar
- ❖ Self Confidence
- ❖ Communication Skills
- ❖ Writing Skills
- ❖ Interpersonal Skills
- ❖ Personality Development initiatives.

The following activities were conducted by the UWC Team:

- ❖ Mock Interview
- ❖ Group Discussion

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- ❖ Newspaper Activity Self-Games
- ❖ Story Making Charts
- ❖ Resume Preparation

Finally Skill Development Centre & Placement Cell in collaboration with "UWC" jointly organized on campus drive in college campus. Two Companies were visited Groveman Global Pvt Ltd and TVS on 20.01.2024. HR has given the pre placement talk which includes the essentials about the job description and the company profiles. Around 163 students have attended in the drive out of that 98 and 25 (Total - 123) students of various branches were placed in Groveman Global Pvt Ltd and TVS respectively. Finally HR Team Handover the appointment letters to Placement Cell at the end of the Drive

S.no	Name of the Recruiters	Name of the Company	No of Students Attended	No of Students Placed
1	Groveman Global Pvt Ltd	I Phone Manufacturing Company	105	98
2	TVS-HR	TVS	58	25
Total			163	123



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Title: “Soft skill Training – Change Ministries”
Date: 08-01-2024 to 11-01-2024 & 19-01-2024 to 24-01-2024
Department: Skill Development Center
Participant: 491

PUBLIC SPEAKING

The modules on public speaking have empowered individuals to articulate their ideas with confidence and clarity, fostering effective communication skills crucial for success in various aspects of their careers.

CRITICAL THINKING

This newfound ability to evaluate situations critically will undoubtedly enhance their decision-making capabilities in professional settings. The program has laid a strong foundation for individuals to thrive by fostering a culture of intellectual agility and problem-solving aptitude.

PERSONALITY DEVELOPMENT

The emphasis on personality development has not bolstered participants' confidence but only self- has also cultivated a positive and professional demeanor, contributing to a more holistic and well-rounded professional image.

INTERVIEW ETIQUETTE

The training on interview etiquette has played a pivotal role in preparing participants for job opportunities. Armed with a refined understanding of interview dynamics and polished communication skills, individuals are now better positioned to make lasting impressions during interviews, increasing their chances of securing employment.

PROBLEM SOLVING

The emphasis on critical thinking and problem-solving has further honed their analytical abilities, enabling them to approach challenges with a strategic mindset. This newfound capability is pivotal for navigating the complexities of the professional world and making informed decisions that contribute to both personal and organizational success.

GROUP DISCUSSION

Group discussion has been instrumental in preparing participants for the intricacies of collaborative and evaluative environments. Equipped with refined communication skills and deep professional understanding of decorum, individuals are now better poised to

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navigate interviews and group interactions, leading to improved team dynamics and increased success in securing job opportunities.

CONCLUSION

The combination of public speaking, critical thinking, problem-solving, interview etiquette, group discussion and personality development held in "Thiruthangal Nadar College" has positioned them as well-rounded individuals prepared to thrive in today's dynamic and competitive professional landscape



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Title: "Skill Development Training Programme"

Date: 04-09-2023 to 08-09-2023

Department: Entrepreneurship Development Cell

Participant: 90

"The Entrepreneurship Club of Thiruthangal Nadar College, in collaboration with the Central Palmgur and Palm Products Institute, organized a 5-day certificate course on Bakery and Beautician training from September 4th to 8th, 2023. The instructors were Mr. M.S. Khanna, Executive Trainer from KVIC, and Mrs. M. Sangeetha from CPPPIO (KVIC). The event saw participation from 90 students of our college."

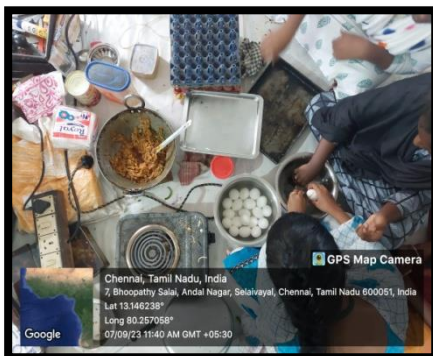
Day 1: Baked Goods and Beauty Treatments

- Morning: Burger, Babka Bread, Tea Cake, Egg Puffs
- Afternoon: Eyebrow and Threading, Facial Bleaching, D-tan



Day 2: Sweets and Hair Services

- Morning: Dulche de leche Cookies, Ginger Cookies, Choco Chips Cookies
- Afternoon: Haircut, Oil Massage



Day 3: Desserts and Nail Care

- Morning: Tiramisu, Tres Leeches, Chocalate Trio Verrine, Doughnuts
- Afternoon: Mehndi, Nail Art, Medicure and Pedicure

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Day 4: Review and Bridal Services

- Morning: Review and restock baked goods
- Afternoon: Bridal Make-up and Hairstyle



Day 5: Special Offers

- Morning: Offer a selection of the most popular baked goods and beauty services
- Afternoon: Special discounts and packages for customers





Employment through Skills Training & Placement (ESTP) Program

Program Details:

Training Program: Field Technician-Computing & Peripherals (ELE/Q4601)

Training Provider: JBM Swamy Trust

Training Centre: JBM Swamy Trust

Duration: 2023-2024

Objective:

The Employment through Skills Training & Placement (ESTP) program aims to provide skills training and placement opportunities to individuals, enhancing their employability and livelihood prospects.

Training Overview:

The Field Technician-Computing & Peripherals training program (ELE/Q4601) is designed to equip trainees with the necessary skills and knowledge to succeed in the computing and peripherals industry.

Outcomes:

Upon completing the training program, participants will gain:

- Hands-on experience in computing and peripherals
- Enhanced employability skills
- Placement opportunities in reputable organizations

Conclusion:

The JBM HEST TNLM National Urban Livelihood Mission's ESTP program is committed to empowering individuals through skills training and placement. The Field Technician-Computing & Peripherals training program is a testament to this commitment, providing participants with the skills and knowledge necessary to succeed in the industry.



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Title: “Internet of Things”
Date: 04-10-2023 & 05-10-2023
Department: B.Sc Software Applications
Participant: 50

The Department of Software Applications organized 2 days Hands - On training on "Internet of Things" on 4th October & 5th October, 2023. 50 students from School of Science attended and benefitted from the training offered by Mr. Jayakumar, an Industrial Expert from CADD Center. Today, the students were trained on Smoke Deduction Sensor and PIR Based Staircase lighting using Arduino. The two projects were done by our students and dedicated to Our college Incubation Center through the Dean.



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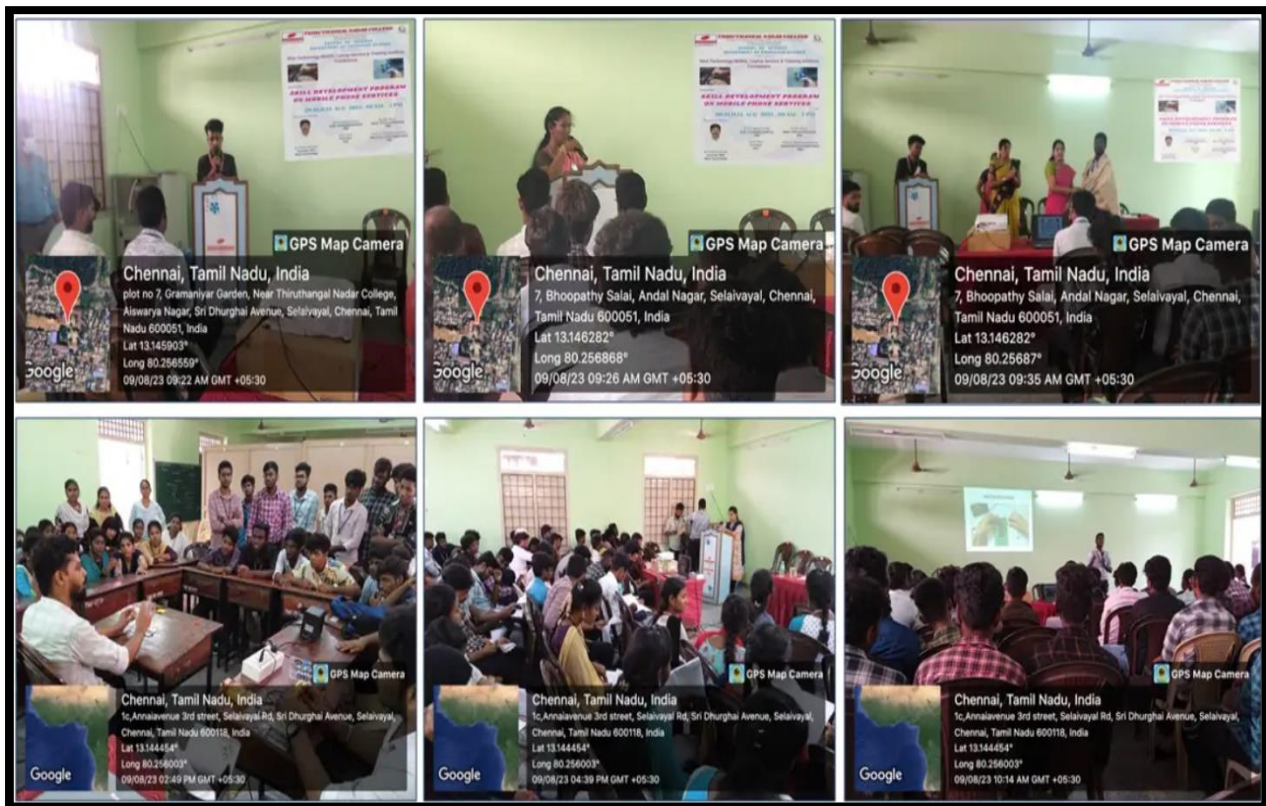
Title: "Skill Development Programme on Mobile Phone"

Date: 09-08-2023 to 14-08-2023

Department: B.Sc Computer Science

Participant: 105

On August 9, 2023, the Department of Computer Science hosted a Skill Development Programme on "Mobile Service". A total of 105 students from the III B.SC in Computer Science, II B.SC in Computer Science, III B.SC in Software Applications, and II M.SC Computer Science attended the Skill Development programme. In this Skill Development programme the trainer taught how to assemble and re-assemble of the hardware component of mobile phone, how to troubleshoot them, how to change the display, screen, ICs, and transistors and also how to boost the battery etc., In the afternoon the session the software trouble shooting like how to unlock a phone that has been locked with a pattern or pin and update its software, among have been taught. Students and Staff happily engaged and benefited from the activity.



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NAAN MUDHALVAN

In response to the expression of interest, we hereby intend to submit a proposal for on boarding us as training & assessment partner of TNSDC under the Naan Mudhalvan Program. Course Title: Overview of English Language Communication Assessment & Certification from Cambridge. Course Description: As per the India Skills Report – 2020 about only 45.9% were found employable. Poor spoken English Skills have kept a large number of candidates from landing some of the best paid Jobs in the country. Recruitment and HR Managers around the world report that applicants with exceptional English language skills earn 30 – 50% higher salaries. Over 85% of the employers view English language skills as important for their organization. The course focusing on enhancing the English skills of students covering all 4 skills (Listening, Reading, Writing and Speaking) with more focus on speaking and is mapped to A2 & B\|-1 levels in the Common European framework of Reference (CEFR) which is an international standard in language.

The course gives equal importance to receptive (Listening and Reading) and productive skills (Speaking & Writing) covering 60 hours. The Listening and Reading skills of the students are enhanced using our Learning Management system and writing and speaking is focused by existing faculty in the institution for which content and training will be provided by Cambridge. The entire course is built with multiple checks with includes a placement test at the beginning, followed by mid-course evaluation and an exit assessment with Listening, Reading, Writing and Speaking which is Internationally benchmarked. Students and teachers are given access to LMS to enable better learning and teaching and at the end of the program the certificate is co-branded which adds additional value to students.

Course Objective:

- ❖ To improve the communicative English skills of the students.
- ❖ To help learners use English in workplace/academic context.
- ❖ To ensure the course is aligned to the Common European framework of reference which is recognized globally.

Course Outcome – A2 Level: Students will be able to: - The exit test assesses English language ability at A2, B1 on the Common European Framework of reference (International standard for language). Each skill assessed; candidates are awarded a CEFR level. An average score is awarded for all the skills. The certificate also includes what a candidate can demonstrate. To know more on what a candidate can do, please check <https://www.cambridgeenglish.org/examsand-tests/cefr/> the outcome mentioned below help in reflecting real life language skills.

Typical Abilities Listening & Speaking Reading & Writing Overall general Ability

- Can understand simple questions and instruction.
- Can express simple opinions or requirements in a familiar context.
 - ✓ Can understand straightforward information within a known area.
 - ✓ Can complete forms and write short, simple post cards related to personal information. Work
 - ✓ Can understand the meaning of a presentation made at a conference
 - ✓ Can state simple requirements in the job area.
 - ✓ Can understand short reports and manual in workplace.
 - ✓ Can write a short, comprehensible note of request to a colleague or a known

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contact in another company. Social and Tourist.

- ✓ Can understand straight forward directions.
- ✓ Can express like and dislikes in simple language.
- ✓ Can understand straight forward information on food, standard menus, road sign.

B1 Level Outcome: Reading & Writing Listening & Speaking

- Can understand the general meaning of non-routine letters within own work area.
- Can understand most short reports of a predictable nature.
- Can follow a simple presentation/demonstration.
- Can deal with predictable request from a visitor.
- Can make notes on routine matters, such as taking/placing orders.
- Can write straight forward routine letters of a factual nature.
- Can offer advice to clients within own job area in simple matters.
- Can state routine requirements. Prerequisites: Based on the placement test, students who are at level A2 & B1 as per the international framework (CEFR) will be given attention to improve the LSRW skills using blended model



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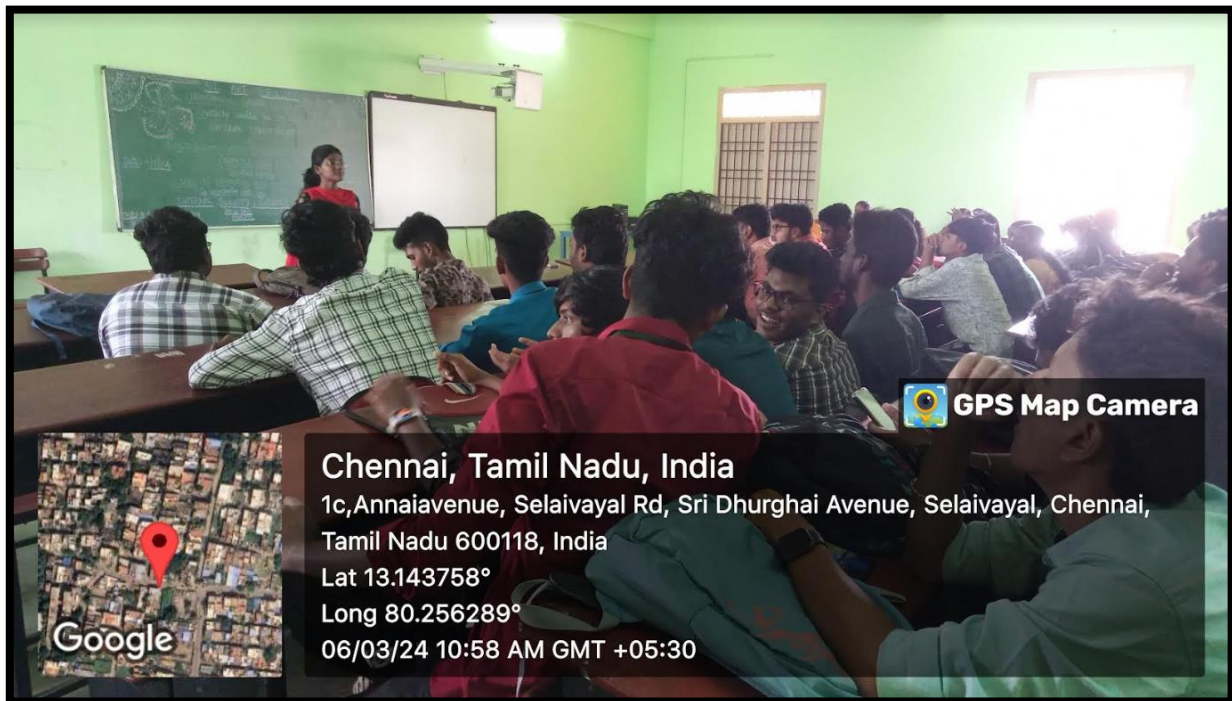


Name of the course: Advanced Tally with GST
Departments: III year – Commerce Stream & BBA

The Future Employability Skills program aims to equip participants with the essence of the digital landscape, gaining fundamental knowledge of digital literacy and tools for confident navigation.

Eight weeks of online session was conducted in which the various topics regarding employability skills were discussed by experts and was followed by an assessment for the students. Following IBM Skills Build – Future Employability Skills program completion, students benefited with Improved Clarity, Enhanced Listening Skills, Increased confidence, Better Organization of Thoughts, Effective Non-Verbal Communication, Improved Persuasion Skills, Enhanced Teamwork Abilities, Greater Empathy and Email Writing Skills.

After completing this course, a student will be prepared to pursue careers in the following fields - Corporate Sector, Sales and Marketing, Public Relations, Entrepreneurship, Education and Training, Media and Broadcasting.



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Name of the course: EV Battery Management

Departments: BSC CHEMISTRY

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DEPARTMENT OF CHEMISTRY

Summary Report

Naan Mudhalvan Programme on EV Battery Management

As part of the Naan Mudhalvan initiative, a 5-day training session was conducted, with Mr. Thirumurugan from Rareminds serving as the course trainer. During this session, Mr. Thirumurugan delivered a comprehensive presentation on "EV Battery Management." The students gained valuable insights into several key areas, including:

1. Safety Measures and Protections in Battery Management Systems (BMS): Understanding the importance of safety protocols and protective measures in ensuring the safe operation of EV batteries.
2. Battery Health Monitoring and Estimation: Learning methods for monitoring the health of EV batteries and estimating their condition to prevent potential issues and ensure optimal performance.
3. Optimizing EV Battery Performance: Exploring strategies and techniques for maximizing the performance and longevity of EV batteries through efficient management practices.
4. Integration of IoT for Battery Status: Understanding the role of Internet of Things (IoT) technology in monitoring and managing the status of EV batteries in real-time.

The training session proved to be highly beneficial for all final year B.Sc Chemistry students, equipping them with valuable knowledge and insights into the management of EV batteries.

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Name of the course: Business Process Management

Departments: III Year- BSC CS/BSC SA/BCA

Course Outcome

Students upon completion of the program will understand

1. About careers in Customer Service Industry
2. How the Outsource industry is a business value for organizations, kinds of key outsource services that exist & their basic functionalities, BPM Life cycle process and aspects revolving around it
3. Evolution of Personal Computers, types of ports and connectors in a computer, information around twisted pair cables, commonly seen in a home network, basics of networking, Types of network, Private and Public IP address, IP addressing and types, Network communication concepts and how Internet works
4. Evolution of Windows OS, Installation requirements and various features of Windows OS
5. Professional Skills required for the BPM job role like collaboration and team work, Problem solving and Critical thinking, Mental well-being, Emotional Intelligence, importance of goal setting, ways for effective communication (Verbal/Written/Virtual)
6. Creating an effective CV with a great cover letter, Psycometric tests, preparing for Interviews, Interview Etiquette and acing a Virtual Interview
7. Overviews of emerging technologies like Robotic Process automation, Big Data, Block Chain and Artificial Intelligence.



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Name of the course: Food Analysis

Departments: III Year- BSC PBPB

THIRUTHANGAL NADAR COLLEGE

DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

NAAN MUDHALVAN TRAINING PROGRAMME

“FOOD ANALYSIS”

SUMMATIVE REPORT

ACADEMIC YEAR 2023-2024

Naan Mudhalvan – “Food Analysis” programme was given to our III B.Sc. Plant Biology and Plant Biology students. The course consists of Introduction to Food Analysis Basics of food composition and analysis Understanding the principles and importance of food analysis methodologies, analytical techniques overview Familiarity with various analytical techniques used in food, Food Composition Analysis, Food Safety and Quality and Laboratory Skills for Food.

The course was conducted in nine weeks (30th January 2024 to 26th March, 2023, Only Tuesday). The students participated in the video lectures in the allotted training sessions. The training session was about 8 h. The weekly attendance was marked in the Google sheet. The students went to Ambedkar College, Chennai every week of Tuesday and completed their assignments.

As an outcome of the course, our students gained scientific skills and insights that are applicable in both research and professional contexts.

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Name of the course: **Oracle Cloud Infrastructure Architect**

Departments: **II Year- BSC CS/BSC SA/BCA**

THIRUTHANGAL NADAR COLLEGE

DEPARTMENT OF COMPUTER APPLICATIONS (BCA)

ACADEMIC YEAR : 2023-2024

NAAN MUDHALVAN SUMMARY REPORT

“ORACLE CLOUD INFRASTRUCTURE”

Class : II BCA B

BATCH :2022-2025

The II year students of Department of Computer Applications (BCA) enrolled in the NAAN MUDHALVAN Course entitled “ORACLE CLOUD INFRASTRUCTURE” in the even semester during the academic year 2023-2024. The students were trained online through pre-recorded videos and their doubts were cleared in the Doubt Session by the experts.

The students completed each unit by submitting the challenges provided by the team Adroit Technologies and projects were also uploaded in Oracle.

The internal marks were updated by the concerned staff and the external marks were evaluated based on the Challenges and projects submitted by the students.

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Thiruthangal Nadar College
Knowledge is Power

NAAC CYCLE III – AQAR

1.2. Academic Flexibility

1.2.2.Add on/Certificate Programs

Year: 2023-2024



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