

**NAAN MUDHALVAN 2023-2024**


<https://www.naanmudhalvan.tn.gov.in/mandatorycourses/>

Sno	Year & UG Programme	NaanMudhalvan Course	Syllabus Link
1.	All I Year	Overview of English Language Communication Assessment and certification from Cambridge	<a href="http://kb.naanmudhalvan.in/images/c/c7/Cambridge_Course_Details.pdf">http://kb.naanmudhalvan.in/images/c/c7/Cambridge_Course_Details.pdf</a>
2.	All II year (except BSC CS/BSC SA/BCA)	IBM- Employability Skills	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2413.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2413.pdf</a>
3.	II Year- BSC CS/BSC SA/BCA	Oracle Cloud Infrastructure Architect	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2417.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2417.pdf</a>
4.	III year- BSC PBPB	Food Analysis	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2447.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2447.pdf</a>
5.	III year – Commerce Stream & BBA	Advanced Tally with GST	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2422.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2422.pdf</a>
6.	III Year- BSC CS/BSC SA/BCA	Business Process Management (Tech Support)	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2518.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2518.pdf</a>
7.	III Year- BSC CHEMISTRY	EV Battery Management System	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2444.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2444.pdf</a>
8.	III Year- BA English/ BA Tamil/BA CPA/BSW	Story Telling	<a href="https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2453.pdf">https://naanmudhalvan.tn.gov.in/reports/course_syllabus/2453.pdf</a>

Name of the course: Overview of English Language Assessment and Certification from Cambridge

Departments: UG First year of All Disciplines

Training partner: Cambridge University Press & Assessment



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*I. Introduction*

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## CLASS SCHEDULE

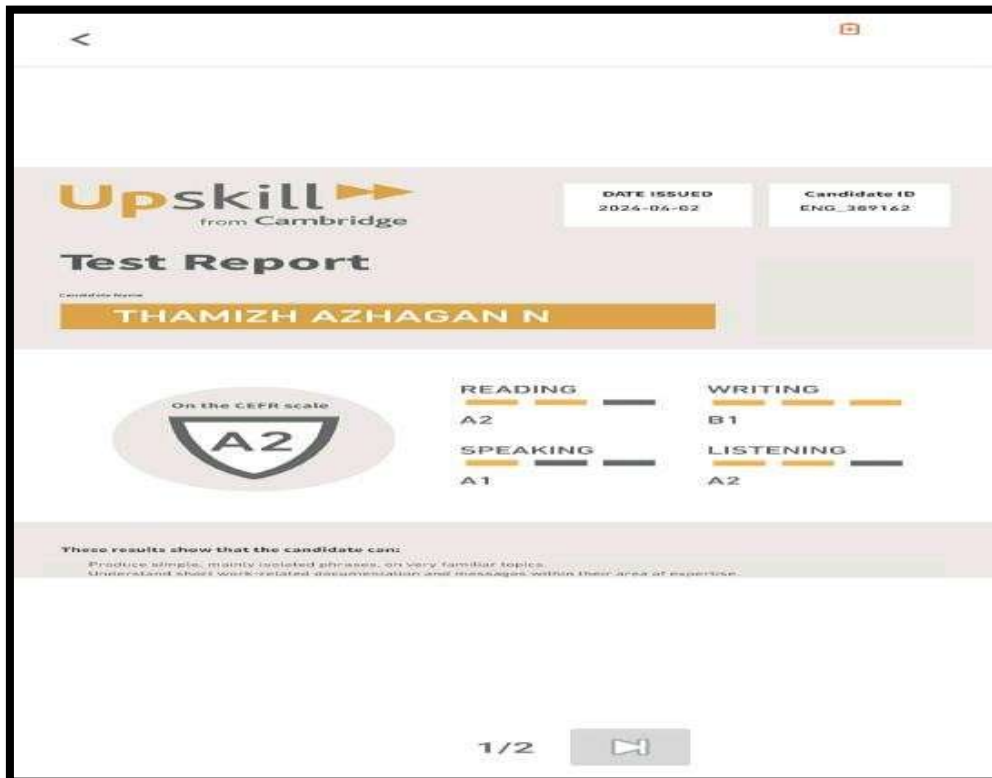
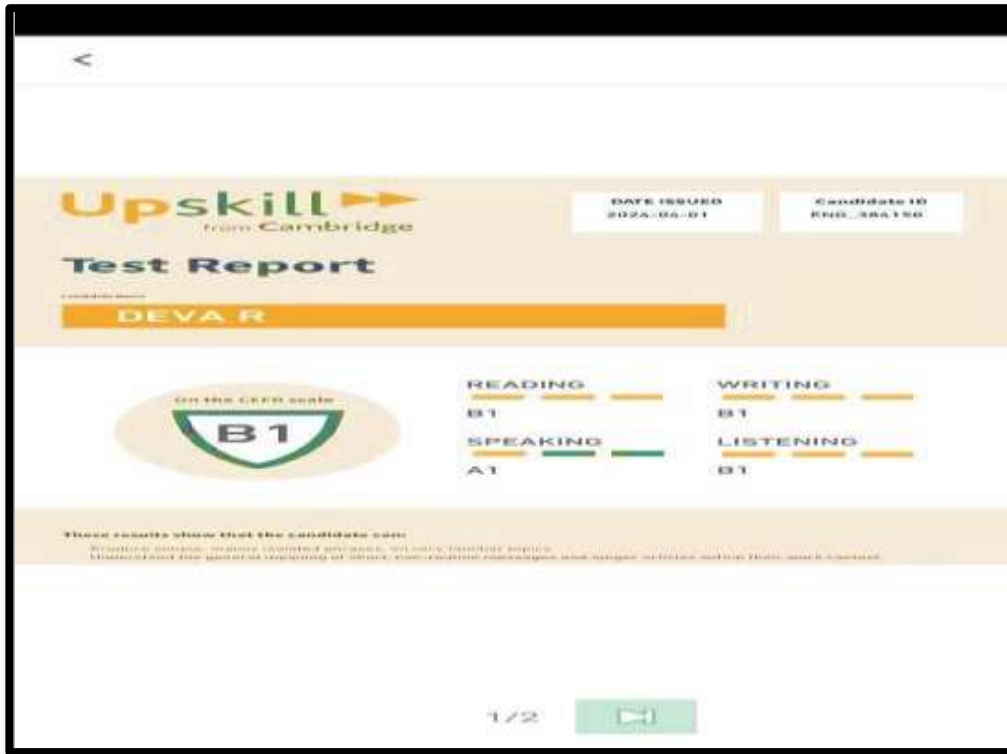
S.NO	DATE	COURSE	CLASS
1	05/02/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
2	06/02/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
3	07/02/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
4	26/02/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
5	27/02/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
6	1/3/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
7	2/3/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
8	4/3/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS
9	7/3/24	OVERVIEW OF ENGLISH LANGUAGE COMMUNICATION ASSESSMENT	ONLINE CLASS













**Upskill** by Cambridge

TEST NUMBER: 1000-04-02      EXAMINER ID: 0001\_00000

### Test Report

**LINDA DURGA L**

**A2**

READING	WRITING
A1	A2
SPEAKING	LISTENING
A1	B1

For more information visit <https://www.cambridgeenglish.org/upskill>



**Upskill** by Cambridge

TEST NUMBER: 1000-04-02      EXAMINER ID: 0001\_00000

### Test Report

**MOHANESHWARAN S**

**A2**

READING	WRITING
A1	A2
SPEAKING	LISTENING
A2	B1

For more information visit <https://www.cambridgeenglish.org/upskill>

**FEEDBACK  
BSC MATHS**

S.No	IdNumber	UnivReg. No	NameoftheStudent	Feed Back
1	23BSCM02	222307935	ABINESH RAJA.P	Good
2	23BSCM08	222307936	DEEPAK.S	Verygood
3	23BSCM07	222307937	DHARANIM	Nice
4	23BSCM14	222307938	KAMARAJ.V	Better
5	23BSCM12	222307939	MOHANESHWARAN.S	Good
6	23BSCM11	222307940	VISHAL .G	Best
7	23BSCM01	222307941	ABINAYA.M	Nice
8	23BSCM13	222307942	ANGAMMALE	Verygood
9	23BSCM06	222307943	BOOMIKA.S	Good
10	23BSCM15	222307944	DHARSHINI.S	Better
11	23BSCM05	222307945	DIANA ROSELIN.Y	Nice
12	23BSCM04	222307946	HEMAPRIYA.G	Good
13	23BSCM09	222307947	JEEVITHA .A	Verygood
14	23BSCM03	222307948	LINGADURGA.L	Nice

**BCOM GENERAL**

S.No	IdNumber	UnivReg. No	NameoftheStudent	Feed Back
1	23BCOMG078	312310084	AKASHA	Good
2	23BCOMG175	312310090	BALAJIE	Verygood
3	23BCOMG194	312310092	BHARATHKUMARS	Nice
4	23BCOMG020	312310095	CHANDRUA	Better
5	23BCOMG092	312310096	CHELLIYAN.A	Good
6	23BCOMG030	312310097	CHINNATHAMBLK	Best
7	23BCOMG170	312310098	DEEPAK.S	Nice
8	23BCOMG160	312310100	DHANUSHC	Verygood
9	23BCOMG101	312310101	DILIPKUMAR.V	Good
10	23BCOMG054	312310103	DINESHKUMARD	Better
11	23BCOMG097	312310104	DINESHV	nice
12	23BCOMG152	312310108	GOKULAKRISHNANL	Good
13	23BCOMG086	312310109	GOPALAKRISHNANI	Verygood
14	23BCOMG200	312310111	GOWDHAMS	Nice
15	23BCOMG008	312310113	HARIHARAN M	Better
16	23BCOMG127	312310114	HARISHGOKULR	Good
17	23BCOMG015	312310116	JAGADEESH M	Best
18	23BCOMG105	312310119	JAWAHAR.K	Nice



19	23BCOMG003	312310124	KARTHICKM	Verygood
20	23BCOMG045	312310126	KARTHIKEYANR	Good
21	23BCOMG025	312310128	KIRANKARTHICKS	Better
22	23BCOMG026	312310135	LAKSHMINARAYANANN	nice
23	23BCOMG117	312310136	LINGESHWARANK	Good
24	23BCOMG051	312310140	MADHANRAJ K	Verygood
25	23BCOMG034	312310141	MAHENDRANP	Nice
26	23BCOMG091	312310142	MANIKANDAN.M	Better
27	23BCOMG196	312310145	MD.MEERANUSAIN.J	Good
28	23BCOMG083	312310149	MOHAMMEDIMRAN.G	Best
29	23BCOMG137	312310150	MOHAMMEDZAMEERN	Nice
30	23BCOMG110	312310152	MUKESHK	Verygood
31	23BCOMG141	312310153	MURUGAVELB	Good
32	23BCOMG176	312310157	NAVEENKUMARN	Better
33	23BCOMG112	312310161	PIRUTHIVIRAJLR	nice
34	23BCOMG049	312310164	PRAGADEESWARANTS	Good
35	23BCOMG193	312310166	PRAVEENKUMARGB	Verygood
36	23BCOMG072	312310170	RAJESHV	Nice
37	23BCOMG108	312310171	RAJESHKUMARN	Better
38	23BCOMG164	312310174	RITHISH.A	Good
39	23BCOMG035	312310179	SAKTHIVELG	Best
40	23BCOMG182	312310180	SANJAYKUMAR.M	Nice
41	23BCOMG122	312310183	SANTHOSHG	Verygood
42	23BCOMG130	312310184	SARAVANAKUMARV	Good
43	23BCOMG183	312310195	SHYAM.M	Better
44	23BCOMG009	312310201	SUDHARSHAN.S	nice
45	23BCOMG061	312310204	SUMANKUMARP	Good
46	23BCOMG007	312310206	SURENDHARH	Verygood
47	23BCOMG195	312310208	THENDRALM	Nice
48	23BCOMG098	312310212	VIGNESH.R	Better
49	23BCOMG123	312310218	VISWANATHANV	Good
50	23BCOMG143	312310219	YOGESHWARANK	Best
51	23BCOMG046	312310222	YUVARAJK	Nice
52	23BCOMG036	312310234	HARINIA	Verygood
53	23BCOMG114	312310238	KUMARIKAMALA.A	Good
54	23BCOMG165	312310240	LAKSHIMLS	Better



55	23BCOMG157	312310242	LEENAR	nice
56	23BCOMG041	312310246	PRASANNA K	Good
57	23BCOMG074	312310249	RAMYAJ	Verygood
58	23BCOMG191	312310250	RITHIKAR	Nice
59	23BCOMG187	312310252	SAKTHIPRIYA.R	Better
60	23BCOMG155	312310253	SHAFRINNISHAM	Good
61	23BCOMG147	312310254	SHALINIY	Best
62	23BCOMG065	312310255	SHOBANAG	Nice
63	23BCOMG166	312310256	SREEBHAVANIV	Verygood
64	23BCOMG063	312310257	SUBHASHRI.U	Good

### SUMMARY REPORT

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 NaanMudhalvan 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.

co-

### 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/theoutcomementionedbelowhelpinreflectingreal-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 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 straightforward 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.

Name of the course: **IBM- Employability Skills**

Departments: All II year (except BSC CS/BSC SA/BCA)

Training partner: IBM

### TIMELINE-Startingon12thFebruary(Monday)

Learning Path	No. of Courses	Duration	Deadlines
Career Essentials	10	8hours40 Minutes	19thFebruary (Monday)
SkillsforGenerativeAI	5	3hours50 minutes	22ndFebruary (Thursday)
SkillsforCybersecurity	3	4hours27 minutes	27thFebruary (Tuesday)
IntroductiontoSustainableTech	5	3hours15 minutes	1stMarch (Friday)
IntroductiontoIndustry demand Job roles	3	9hours39 minutes	12thMarch (Tuesday)
ProjectManagement	1	3hours16 minutes	15thMarch (Friday)
EntrepreneurshipFoundations	8	6hours55 minutes	22ndMarch (Friday)

**EveryWeekSaturdayDoubtClearingsessionwillbeheldat5pmlink will be shared in WhatsApp group and e-mail.**



## Implementation Plan

### Weekwise Table

Week	Sub-Topics	Duration	Tentative Dates
Week1	SBOrientationandintroductiontosoft skills	2 hours	05/02/24
Week2	CommunicationSkills-formal and informal	2 Hours	12/02/2024
	PresentationSkills		
Week3	InterviewSkills	2 hours	19/02/24
Week4	<b>Design Thinking</b>	2 hours	26/02/24
	ProblemCuration		
	SolutionIdeation		
	Pitching		
Week5	Let'smakeaDesignModel	2 Hours	04/03/24
Week6	<b>Digital Literacy</b>	2 hours	11/03/2024
	DigitalFootprint		
	Effectiveuseofsocialmedia		
Week7	ResumeWriting-Formats&Layouts	2 hours	18/03/2024
	CreatingaLinkedin Profile		
Week8	Resumeandcoverletter Submission	2 hours	25/03/2024

## SAMPLE FORMAT FOR RESUME IN NAAN MUDHALVAN

**J Arokiya Navina**  
No:179,7th Street Mahatma Gandhi Nagar Kolathur  
Chennai-99  
+919176297232  
navinamichael13@gmail.com

**Objective**

Seeking an entry-level opportunity . I would like to work in an organization that will give me a platform to utilize my skill and enrich my knowledge in the process to help in growth with my initiative and managerial skill without overlooking basic value of life

**Education**

2019-2020	INFANT JESUS MATRIC.HR.SEC.SCHOOL LAKSHMIPURAM,CHENNAI ,TAMILNADU-600099 SSLC 71%
2021-2022	LOURDES GIRLS HR.SEC.SCHOOL PERAMBUR, CHENNAI, TAMILNADU 600011 HSC 70%
2022-2025	UNIVERSITY OF MADRAS (THIRUTHANGAL NADAR COLLEGE) CHENNAI, TAMILNADU 600051 Bsc.Mathematics Pursuing

**Skills**

- Ms Excel
- Ms word
- Ms Power Point

**Languages**

- Tamil & English

**Personal Details**

- Date of Birth : 13-08-2004
- Marital Status : Single
- Nationality : Indian
- Religion : Christian
- Father's name : A.M.Jesu Michael

**Declaration**

- I hereby declare that the information and facts stated about are true, correct and complete to the best of my knowledge and belief



J AROKIYA NAVINA

### ***Job description for an Information Technology (IT) position:***

**Job Title:** IT Support Specialist

**Job Summary:**

The IT Support Specialist will be responsible for providing technical assistance and support to end-users for computer systems, software, and hardware. This role involves diagnosing and resolving technical issues, installing and configuring computer systems, and maintaining IT infrastructure. The IT Support Specialist will also assist in the implementation of new technologies and provide training to end-users as needed.

**Responsibilities:**

1. Provide technical support to end-users via phone, email, or in person.
2. Diagnose and troubleshoot technical issues related to computer systems, software, and hardware.
3. Install, configure, and maintain computer systems, including operating systems and software applications.
4. Set up and configure network equipment, printers, and other peripherals.
5. Perform routine maintenance tasks, such as software updates, system backups, and antivirus scans.

**Qualifications:**

1. Bachelor's degree in Computer Science, Information Technology, or related field.
2. Proven experience in providing technical support in a professional environment.
3. knowledge in computer hardware, software, and operating systems (Windows , Linux).
5. Excellent problem-solving skills and the ability to diagnose and resolve technical issues efficiently.
6. Strong communication and interpersonal skills, with the ability to explain technical concepts to non-technical users.

**Salary and Benefits:**

1. Salary range: 1.5 lakhs – 2 lakhs per annum (depending on experience and qualifications) Health insurance, retirement plans, and other benefits provided
2. Two way cab provided

## COVER LETTER

Dear H.R. Manager,

I am writing in regards to the open position for a fresher at Wipro. I am confident that I have the skills and qualifications that make me the perfect candidate for this role.

I have a strong background in Java, Python, and HTML, and I am confident that I can hit the ground running in this role. I am a quick learner and have a great eye for detail, which I believe would be a valuable asset in this role.

I am also excited about the possibility of working at Wipro. I have heard great things about the company and I believe it would be a great place to start my career. I am a hard worker and I am confident that I would be a valuable asset to your team.

I am interested in the fulltime role and I am open to relocating to Bangalore. I believe that I have the skills and qualifications that make me the perfect candidate for this role and I am eager to put my skills to work in this role.

Thank you for your time and consideration. I look forward to hearing from you.

Sincerely,

J Arokiya Navina





**NAME:** Hariharan .R

**CAREER OBJECTIVES:** To search for a job which will provide me growth and development in my career.

**SOFTWARE EFFIECIENCY:** Basic knowledge of computer

**PROFESSIONAL TRAITS:** 1.ICT

2.NPTL – Organizational behavior

**ACADEMIC QUALIFICATION:**

QUALIFICATION	INSTITUTION	YEAR OF PASSING	PERCENTAGE
B.COM (A&F)	Thiruthangal Nadar College	2023-24	pursuing
HSLC	Dr. Radhakrishnan mat hr sec school	2020-21	81%
SSLC	Dr. Radhakrishnan mat hr sec school	2018-19	63%

**PERSONAL INFORMATION:**

**DOB:** 20/02/2005

**LANGUAGE KNOWN:** English, Tamil

**ADDRESS:** No.36 Lakshmi Amman nagar , 1st Street kodungaiyur , Chennai-51

**PH NO:** 6379347254

**MAIL ID:** harisandhu2005@gmail.com

**DECLARATION:** I hereby declare that all the information above is in accordance with the truth and fact as per my knowledge and I

hope the responsibility for correctness of the above-mentioned particulars

**PLACE:** Chennai

**DATE:**



### STAFFFEEDBACK

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 Skill.

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.

### SUMMARY REPORT

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.



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

**THIRUTHANGAL NADAR COLLEGE**  
 DEPARTMENT OF COMMERCE - GENERAL  
 ADVANCE TALLY WITH GST - ASSESSMENT  
 ATTENDANCE SHEET

**CLASS :III B.COM B**

S.NO.	ID NO.	REG. NO.	STUDENTS NAME	SIGNATURE
1	21BCOMG123	312113132	GIDEON - J	
2	21BCOMG107	312113134	NAVEEN KUMAR - V	
3	21BCOMG114	312113135	SAIKUMAR - N	
4	21BCOMG083	312113136	SHAIK KALIL - S K	
5	21BCOMG096	312113138	VENKATESH - P	
6	21BCOMG057	312113139	DEEPA - P K	
7	21BCOMG111	312113140	ABTHUL RAHIM - R	
8	21BCOMG136	312113141	AKASH - D	
9	21BCOMG100	312113143	MOHAMMEDAMAN - A	
10	21BCOMG094	312113144	VASIKARAN - N	
11	21BCOMG097	312113148	ABDUL AZEEZ - S	
12	21BCOMG099	312113149	ABISHEIK - K	
13	21BCOMG087	312113152	AMRITH - S M	
14	21BCOMG084	312113153	ANTHONY RAJ - D	
15	21BCOMG092	312113155	ARUL MURUGAN - S	
16	21BCOMG118	312113160	AYATH BASHA - A	
17	21BCOMG093	312113161	AZEES AHAMED - T	
18	21BCOMG109	312113166	BHARATHI KANNAN - G	
19	21BCOMG113	312113167	BLASET BENNIYOL - A	
20	21BCOMG103	312113170	DHANUSH - B	
21	21BCOMG085	312113172	DILIP KUMAR - S	
22	21BCOMG216	312113174	DINESH - S	
23	21BCOMG110	312113175	GANESAN - M	
24	21BCOMG091	312113177	GNANASEKAR - B	
25	21BCOMG115	312113185	HARIHARAN - S	
26	21BCOMG130	312113187	HARISH - R P	
27	21BCOMG102	312113188	IRISH MICHAEL RAJ - J	
28	21BCOMG127	312113192	JAYASINGH PRABU - E	
29	21BCOMG090	312113193	JEEVA - V	
30	21BCOMG112	312113203	KINHORE - P	
31	21BCOMG098	312113217	MARIA JEBA SUGITH - S	
32	21BCOMG106	312113218	MENAGARAJ - M	



33	21BCOMG122	312113222	MOHAN - S	S. Mohan
34	21BCOMG137	312113223	MONISH - V	V. Monish
35	21BCOMG129	312113227	NAVEEN KUMAR - K R	K.R. Naveen
36	21BCOMG086	312113229	NIRMAL RAJ - K	N. A. Raj
37	21BCOMG124	312113233	PRAHALAATHAN - B J K	P. B. J. K.
38	21BCOMG119	312113235	PRASANTH - R	R. Prasanth
39	21BCOMG125	312113238	PUGAZHENDHI - R	R. Pugazhendhi
40	21BCOMG081	312113241	RAMACHANDRAN - T	T. Ramachandran
41	21BCOMG088	312113247	SAMUVEL - A	A. Samuvel
42	21BCOMG101	312113251	SANTHOSH KUMAR - M	M. Santhosh Kumar
43	21BCOMG117	312113254	SATHISH KANNAN - M	M. Sathish Kannan
44	21BCOMG134	312113255	SATHISH KUMAR - S	S. Sathish Kumar
45	21BCOMG105	312113257	SHERWIN KUMAR - W	W. Sherwin Kumar
46	21BCOMG131	312113259	SHYAM SUNDAR - V	V. Shyam Sundar
47	21BCOMG126	312113266	SUSIDHAR - P	P. Susidhar
48	21BCOMG104	312113268	SYED ANSAR BASHA - S	S. Syed Ansar Basha
49	21BCOMG121	312113270	SYED TAJUDDIN - B	B. Syed Tajuddin
50	21BCOMG128	312113271	THIRUMALAIPATHY - K	K. Thirumalai Pathy
51	21BCOMG116	312113281	VIKRAM - S	S. Vikram
52	21BCOMG089	312113282	VIMALRAJ - G	G. Vimalraj
53	21BCOMG120	312113286	BHAVANI - M	M. Bhavani
54	21BCOMG138	312113287	BHUVANESHWARI - M	M. Bhuvaneshwari
55	21BCOMG153	312113289	DHANALAKSHMI - B	B. Dhanalakshmi
56	21BCOMG082	312113291	DHANALAKSHMI - V	V. Dhanalakshmi
57	21BCOMG073	312113298	JAGADEESWARI - D	D. Jagadeeswari
58	21BCOMG047	312113303	JENIFER - S	S. Jenifer
59	21BCOMG144	312113310	MYTHILI - D	D. Mythili
60	21BCOMG051	312113314	POOJA - M	M. Pooja
61	21BCOMG132	312113315	POOJA - N	N. Pooja
62	21BCOMG045	312113318	PRIYADHARSHINI - V	V. Priyadharsini
63	21BCOMG049	312113321	SANDHIYA - G	G. Sandhiya
64	21BCOMG108	312113323	SARAAL - M	M. Saraal
65	21BCOMGFS002	312113330	SRILA - P (FREE SEAT)	P. Srila
66	21BCOMG055	312113333	SUGANYA - K	K. Suganya
67	21BCOMG060	312113337	TIVENA - M	M. Tivena
68	21BCOMG044	312113340	YASMEEN - M	M. Yasmeen

## THIRUTHANGAL NADAR COLLEGE

DEPARTMENT OF COMMERCE (G)

CLASS : III B.COM B

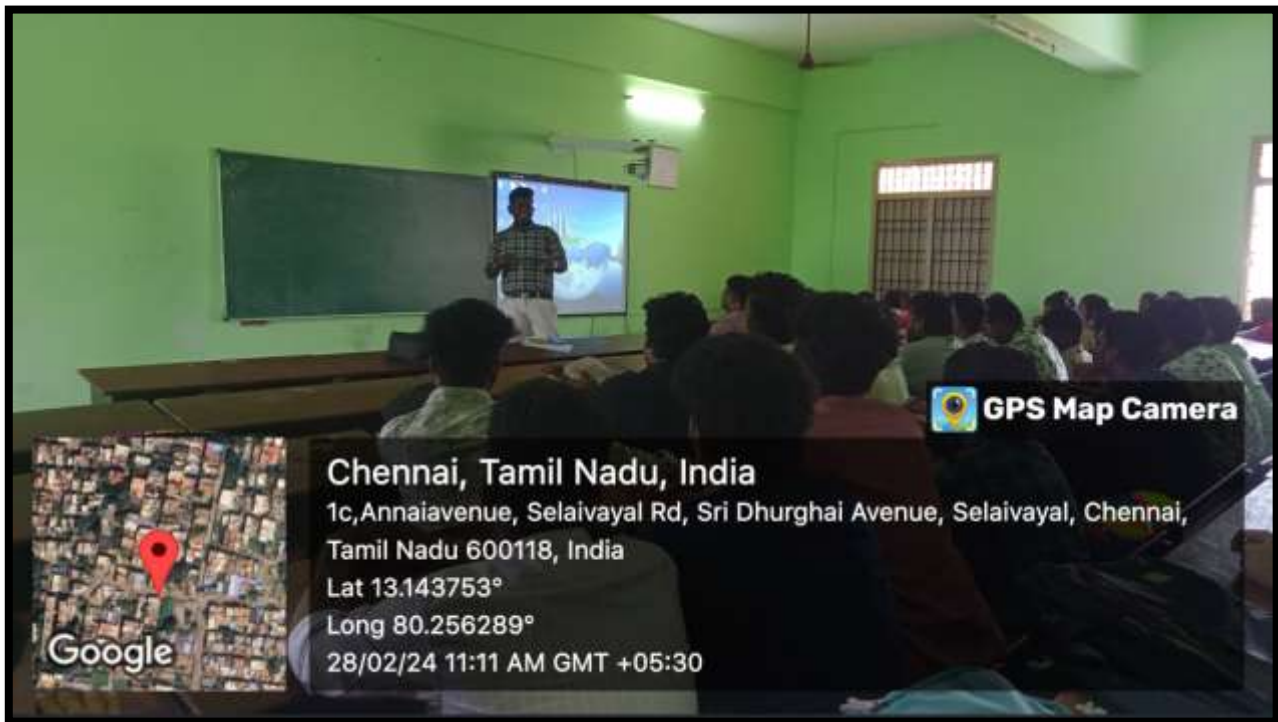
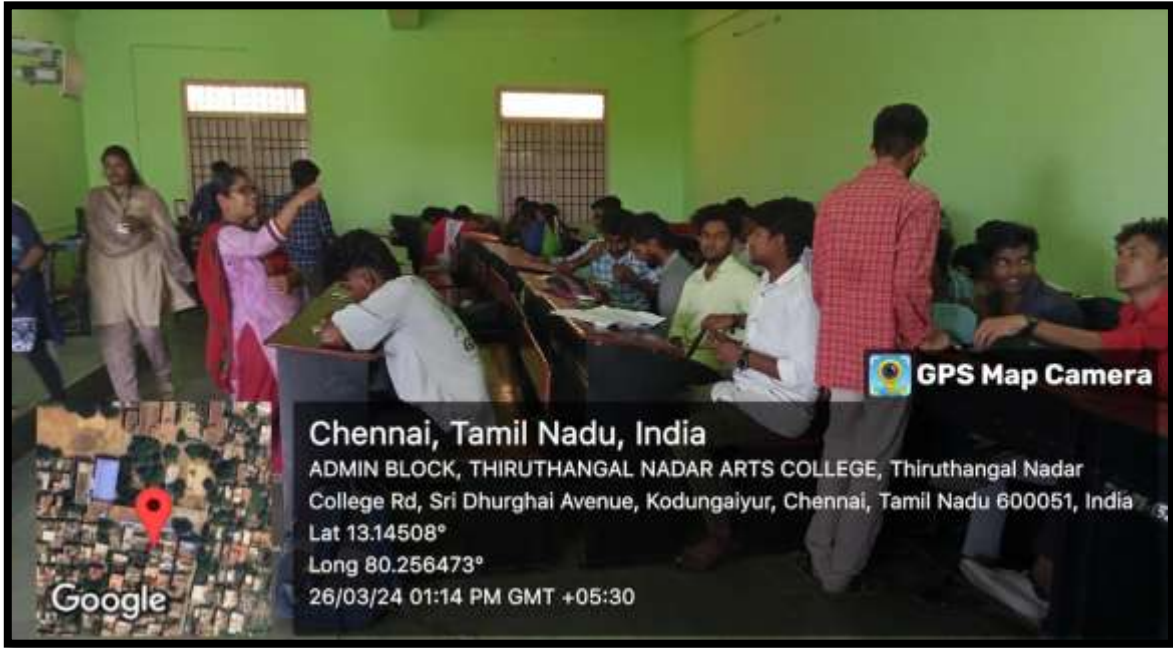
COURSE : ADVANCED TALLY WITH GST

S No	Register No	Full Name	Internal Assessment Marks (out of 25)	External Assessment Marks (out of 75)	Total Marks
1	unm143521BCOMG153	DHANALAKSHMI.B	25	63	88
2	unm143521BCOMG082	DHANALAKSHMI.V	25	61	86
3	unm143521BCOMG057	DEEPA.P.K.	25	63	88
4	unm143521BCOMG113	BLASET BENNIYOLA.A	25	59	84
5	unm143521BCOMG138	BHUVANESWARI.M	25	63	88
6	unm143521BCOMG120	BHAVANI.M	25	65	90
7	unm143521BCOMG109	BHARATHI KANNAN.G	23	58	81
8	unm143521BCOMG093	AZEES AHAMED.T	25	63	88
9	unm143521BCOMG118	AYATH BASHA.A	23	58	81
10	unm143521BCOMG092	ARUL MURUGAN.S	25	61	86
11	unm143521BCOMG084	ANTHONY RAJ.D	25	63	88
12	unm143521BCOMG087	AMRITH.S.M.	25	63	88
13	unm143521BCOMG136	AKASH.D	22	64	86
14	unm143521BCOMG111	ABTHUL RAHIM.R	20	63	83
15	unm143521BCOMG099	ABISHEIK.K	25	62	87
16	unm143521BCOMG097	ABDUL AZEEZ.S	25	60	85
17	unm143521BCOMG044	YASMEEN.M	25	68	93
18	unm143521BCOMG089	VIMALRAJ.G	22	58	80
19	unm143521BCOMG116	VIKRAM.S	22	62	84
20	unm143521BCOMG096	VENKATESH.P	25	68	93
21	unm143521BCOMG094	VASIKARAN.N	25	58	83
22	unm143521BCOMG060	TIVENA.M	25	58	83
23	unm143521BCOMG128	THIRUMALAIPATHY.K	25	61	86

24	unm143521BCOMG121	SYED TAJUDDIN.B	25	62	87
25	unm143521BCOMG104	SYED ANSAR BASHA.S/t	22	58	80
26	unm143521BCOMG126	SUSIDHAR.P	25	68	93
27	unm143521BCOMG055	SUGANYA.K	25	59	84
28	unm143521BCOMGFS02	SRILA.P	25	68	93
29	unm143521BCOMG131	SHYAM SUNDAR.V	22	68	90
30	unm143521BCOMG105	SHERWIN KUMAR.W	25	68	93
31	unm143521BCOMG083	SHAIK KALIL.S	25	61	86
32	unm143521BCOMG134	SATHISH KUMAR.S	23	63	86
33	unm143521BCOMG117	SATHISH KANNAN.M/t	22	63	85
34	unm1435SARAAL.M	SARAAL.M	25	63	88
35	unm143521BCOMG101	SANTHOSH KUMAR.M	22	58	80
36	unm143521BCOMG049	SANDHIYA.G	25	68	93
37	unm143521BCOMG088	SAMUVEL.A	20	61	81
38	unm143521BCOMG114	SAIKUMAR.N	20	58	78
39	unm143521BCOMG081	RAMACHANDRAN.T	25	68	93
40	unm143521BCOMG125	PUGAZHENDHI.R	25	64	89
41	unm143521BCOMG045	PRIYADHARSHINI.V	25	58	83
42	unm143521BCOMG119	PRASANTH.R	25	63	88
43	unm143521BCOMG124	PRAHALAATHAN.B.J.K.	22	63	85
44	unm143521BCOMG132	POOJA.N	25	68	93
45	unm143521BCOMG051	POOJA.M	25	58	83
46	unm143521BCOMG086	NIRMAL RAJ.K	25	63	88
47	unm143521BCOMG129	NAVEEN KUMAR.K.R.	25	61	86
48	unm143521BCOMG107	NAVEEN KUMAR.V	25	68	93
49	unm143521BCOMG144	MYTHILI.D	25	64	89
50	unm143521BCOMG137	MONISH.V	25	68	93
51	unm143521BCOMG122	MOHAN.S	25	62	87
52	unm143521BCOMG100	MOHAMMEDAMAN.A	23	58	81

53	unm143521BCOMG106	MENAGARAJ.M	25	62	87
54	unm143521BCOMG098	MARIA JEBA SUGITH.S	25	62	87
55	unm143521BCOMG112	KISHORE.P	25	64	89
56	unm143521BCOMG047	JENIFER.S	25	58	83
57	unm143521BCOMG090	JEEVA.V	25	68	93
58	unm143521BCOMG127	JAYASINGH PRABU.E	25	68	93
59	unm143521BCOMG073	JAGADEESWARI.D	25	65	90
60	unm143521BCOMG102	IRISH MICHEAL RAJ.J	22	60	82
61	unm143521BCOMG130	HARISH.R.P.	25	68	93
62	unm143521BCOMG115	HARIHARAN.S	25	68	93
63	unm143521BCOMG091	GNANASEKAR.B	23	59	82
64	unm143521BCOMG123	GIDEON.J	20	64	84
65	unm143521BCOMG110	GANESAN.M	25	63	88
66	unm143521BCOMG216	DINESH.S	22	60	82
67	unm143521BCOMG085	DILIP KUMAR.S	25	58	83
68	unm143521BCOMG103	DHANUSH.B	25	62	87









NAN MUDHARWAN

05-02-2024

TALLY CLASS  
Trainer's  
Feed Back Form

I am YUVARANI from Nan Mudharwan Tally trainer. I would like to say about my today's experience while teaching. I taught Basic Tally introduction and gave roles to the students. All about today I am very happy to teach this session because students are effectively learned and asked many doubts. But some students are not listened this class. I hope next class will more better than this class.

Thank YOU

Dr. Yuvarani

THIRUTHANGAL NADAR COLLEGE 21/2/24

NAAN MUDHALVAN

TALLY CLASS

DATE :

TRAINER'S FEEDBACK

Respected Sir/Madam,

I am writing to inform you that the students of B.com general "B" section were fully attentive and co-operative. I liked teaching them and enjoyed it to the max.

Yours respectfully  
Anuska P

Date = 28/02/24

NAAN MUDHALVAN

TALLY CLASS

TRAINER'S FEEDBACK FORM

- \* Students are very silent, have more skill
- \* They lessened the classes very nicely
- \* They are so skilled, person to bell Lot of business idea,
- \* And communication skill A have Lot of talent
- \* And students do respect and obey the order.
- \* And students are so, decent and thank you guys.
- \* There is no negative feedback about students, Thankyou.

*Just*

**Name of the course: EV Battery Management**

Departments: BSC CHEMISTRY

## THIRUTHANGAL NADAR COLLEGE, CHENNAI 600 051

### DEPARTMENT OF CHEMISTRY

#### *Course Objective*

#### **Naan Mudhalvan Programme on EV Battery Management**

Summaries the principles of electric vehicle (EV) battery technology and its significance in sustainable transportation.

- Gain proficiency in managing and maintaining EV batteries, including charging, monitoring, and diagnostics.
- Recognize the strategies for optimizing EV battery performance, extending lifespan, and ensuring environmental sustainability.
- Develop skills in analysing battery data and implementing efficient battery management practices.
- Explore emerging trends and innovations in EV battery technology for future applications.



**THIRUTHANGAL NADAR COLLEGE, CHENNAI 600 051**

**DEPARTMENT OF CHEMISTRY**

*Course Outcome*

**Naan Mudhalvan Programme on EV Battery Management**

Demonstrate a comprehensive understanding of EV battery technology and its management.

- Implement efficient charging strategies and maintenance practices for EV batteries.
- Analyse battery data and apply diagnostic techniques for monitoring battery health.
- Optimize EV battery performance and lifespan through effective management techniques.
- Identify and discuss emerging trends and sustainable practices in EV battery technology.

# THIRUTHANGAL NADAR COLLEGE, CHENNAI

## DEPARTMENT OF CHEMISTRY

### III YEAR NAAN MUDHALVAN

#### COURSE SCHEDULE

**TOPIC: EV Battery Management**

**Resource Person: Mr. Thirumurugan**

S. No	Date	Topics
1	07-02-2024	Fundamentals of Battery Management Systems
2	14-02-2024	Fundamentals of Battery Management Systems
3	21-02-2024	Safety Measures and Protections in BMS
4	28-02-2024	Safety Measures and Protections in BMS
5	06-03-2024	Battery Health Monitoring and Estimation
6	13-03-2024	Battery Health Monitoring and Estimation
7	14-03-2024	Optimizing EV Battery Performance
8	25-03-2024	Integration of IoT for Battery Status

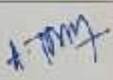
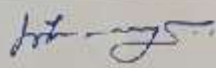
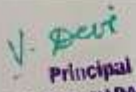
### TRAINER ATTENDANCE

III B.Sc. Chemistry

**NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE  
IMPLEMENTATION**

**ATTENDANCE SHEET**

DATE: 25-03-24 TIME: 9:00 AM - 1:00 PM


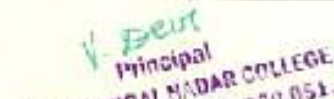
NAME OF THE TRAINING PARTNER	Rareminds
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	Thiruthangal Nadar College
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENTS	07
NAME OF THE TRAINER	THIRU MUELOREN A
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVA GANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	 Principal THIRUTHANGAL NADAR COLLEGE SELAVAYAL CHENNAI-600 051.

NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE  
IMPLEMENTATION

ATTENDANCE SHEET

DATE: 21-05-24

TIME: 9:00 AM - 1:00 PM



NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	Thiruthangal Nadar College
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENTS	THIRU MURUGAN A 06
NAME OF THE TRAINER	A TOMY
SIGN OF THE TRAINER	-
NAME OF THE FDP FACULTY	K. VISVA GANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	

V. Beir  
Principal  
THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.

NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE  
IMPLEMENTATION  
ATTENDANCE SHEET

DATE: 14/3/24

TIME: 9.00 AM - 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	Thiruthangal Nadar college
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENTS	THIRU MURUGAN A 06
NAME OF THE TRAINER	A. JMA
SIGN OF THE TRAINER	-
NAME OF THE FDP FACULTY	K. VISVA GANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	 V. Devi Principal




THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.



NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE  
IMPLEMENTATION  
ATTENDANCE SHEET

DATE: 13/3/24

TIME: 9.00 AM - 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV BATTERY MANAGEMENT
NAME OF THE COLLEGE	Thiruthangal Nadar College
UNIVERSITY	UNIVERSITY OF MADRAS
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENTS	06
NAME OF THE TRAINER	Thirumurugan. A
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVAGANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	




V. Senthil  
Principal  
THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.

NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE IMPLEMENTATION

ATTENDANCE SHEET

DATE: 14.02.2024

TIME: 9.00 AM - 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	THIRUTHANGAL NADAR COLLEGE
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENT	07
NAME OF THE TRAINER	Mr. Thirumurugan
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVAGANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	 V. Devi Principal


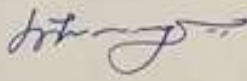
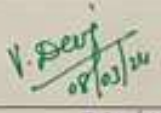
THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600-051.

□ B.Sc. CHEMISTRY

**NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE IMPLEMENTATION**

**ATTENDANCE SHEET**

DATE: 06.03.2024 TIME: 9.00 AM – 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	THIRUTHANGAL NADAR COLLEGE
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENT	07
NAME OF THE TRAINER	Mr. Thirumurugan
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVAGANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	




Principal  
THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.

NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE IMPLEMENTATION

ATTENDANCE SHEET

DATE: 28.02.2024

TIME: 9.00 AM – 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	THIRUTHANGAL NADAR COLLEGE
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENT	07
NAME OF THE TRAINER	Mr. Thirumurugan
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVA GANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	




V. Senthil  
Principal  
THIRUTHANGAL NADAR COLLEGE  
BELAVAYAL, CHENNAI-600 051.

NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE IMPLEMENTATION

ATTENDANCE SHEET

DATE: 21.02.2024

TIME: 9.00 AM - 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	THIRUTHANGAL NADAR COLLEGE
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENT	07
NAME OF THE TRAINER	Mr. Thirumurugan
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISUAGANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	 Principal THIRUTHANGAL NADAR COLLEGE SELAVAYAL, CHENNAI-600 051.



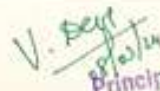


NAAN MUDHALVAN EVEN SEMESTER ARTS AND SCIENCE IMPLEMENTATION

ATTENDANCE SHEET

DATE: 07.02.2024

TIME: 9.00 AM – 1.00 PM

NAME OF THE TRAINING PARTNER	RAREMINDS
NAME OF THE COURSE	EV Battery Management
NAME OF THE COLLEGE	THIRUTHANGAL NADAR COLLEGE
UNIVERSITY	University of Madras
NUMBER OF STUDENTS MAPPED BY NM	07
NUMBER OF STUDENTS PRESENT	07
NAME OF THE TRAINER	Mr. Thirumurugan
SIGN OF THE TRAINER	
NAME OF THE FDP FACULTY	K. VISVAGANESAN
SIGN OF THE FDP FACULTY	
COLLEGE PRINCIPAL SEAL AND SIGNATURE	 Principal

THIRUTHANGAL NADAR COLLEGE  
SELAVAYAL, CHENNAI-600 051.

### STUDENTS ATTENDANCE

**THIRUTHANGAL NADAR COLLEGE**  
**DEPARTMENT OF CHEMISTRY**  
**NAAN MUDHALVAN :- EV BATTERY MANAGEMENT - Tamil Nadu**

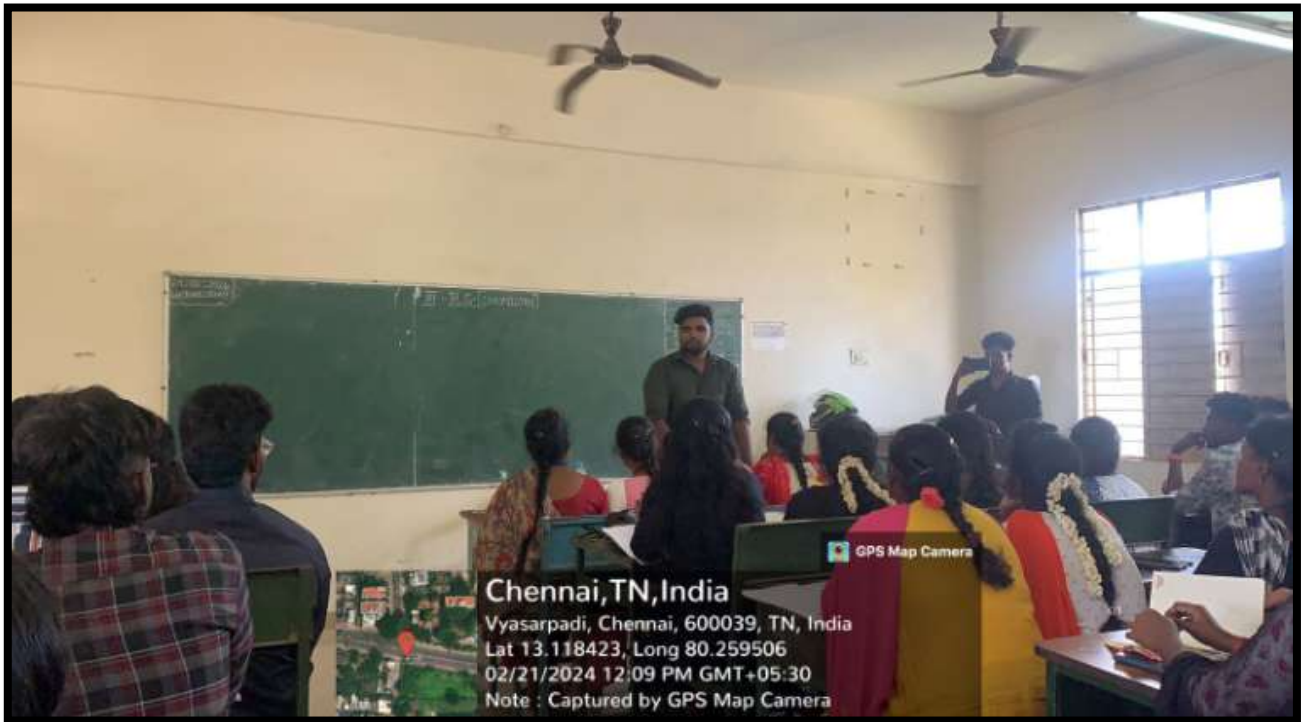
Institute Name - THIRUTHANGAL NADAR COLLEGE

SPOC Name - Dr. J. Hilda Malar : Mobile No - 9789322394

S. NO	Reg. No	CANDIDATE NAME	07/02/2024	14/02/2024	21/02/24	28/2/24	06/03/24	13/3/24	20/3/24	27/3/24	03/04/24	10/04/24
1	222107063	GURUBALAKRISHNAN. K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	A	[Signature]	[Signature]	[Signature]	[Signature]
2	222107064	NAVEEN. M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3	222107065	NISHANTH. R	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4	222107066	HEMAMALINI. M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5	222107067	LAVANYA. J	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6	222107069	SANDHANAMARI. T	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7	222107070	THANGA MANI. M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

Instructor  
Thirumangayam







## CASE STUDY



**EV Battery Management**

University Name: Madras University  
Student Name: Naveen M  
College Name: Thiruthangal Nadar College  
NM ID: unm143521BSCCHE09



Thiruthangal Nadar College Logo | RAREMINDS™



***Electric Vehicle Safety Features: Explore safety features specific to electric vehicles, crash avoidance technology, and emergency response protocols***

Thiruthangal Nadar College Logo | RAREMINDS™



**Electric Vehicle Safety Features:**

- **Battery Management Systems (BMS)**
- **Structural Integrity**
- **Low Center of Gravity**
- **Crashworthiness**
- **Battery Thermal Management**



**1. Battery Management Systems (BMS):**

1. BMS monitors the health, temperature, and state of charge of the battery pack.
2. It prevents overcharging, deep discharging, and thermal runaway, ensuring battery safety.

**2. Structural Integrity:**

1. EVs are designed with strong structural integrity to protect the battery pack during collisions.
2. Many EVs use a skateboard-style chassis, with the battery pack forming a low center of gravity for enhanced stability and safety.

**3. Low Center of Gravity:**

1. The placement of heavy battery packs in the floor of the vehicle results in a lower center of gravity, reducing the risk of rollovers and improving handling.

**4. Crashworthiness:**

1. EVs are engineered with advanced crumple zones and reinforced passenger compartments to absorb and distribute crash forces away from occupants.

**5. Battery Thermal Management:**

1. Thermal management systems regulate the temperature of the battery pack to prevent overheating, which can lead to fires or thermal runaway.
2. Liquid cooling or air cooling systems are commonly employed to maintain optimal battery temperature.





## Crash Avoidance Technology:

- **Collision Warning Systems**
- **Lane Departure Warning**
- **Blind Spot Detection**
- **Adaptive Cruise Control**
- **Automatic Parking Assistance**



### • **Collision Warning Systems:**

- Forward collision warning systems use sensors to detect potential collisions and alert the driver to take evasive action.
- Some systems include automatic emergency braking, which can apply the brakes to mitigate or avoid a collision.

### • **Lane Departure Warning:**

- Lane departure warning systems use cameras or sensors to detect unintended lane departures and alert the driver to steer back into the lane.

### • **Blind Spot Detection:**

- Blind spot detection systems monitor the vehicle's blind spots and provide visual or audible alerts if a vehicle is detected in adjacent lanes.

### • **Adaptive Cruise Control:**

- Adaptive cruise control adjusts the vehicle's speed to maintain a safe following distance from the vehicle ahead, reducing the risk of rear-end collisions.

### • **Automatic Parking Assistance:**

- Automatic parking systems use sensors and cameras to assist the driver in parallel or perpendicular parking maneuvers, reducing the risk of collisions with obstacles or other vehicles.



## Emergency Response Protocols

- **Emergency Shut-off Procedures**
- **Vehicle Identification**
- **Battery Isolation**
- **Collaboration with Manufacturers**
- **Public Awareness Campaigns**



- **Emergency Shut-off Procedures:**
  - Emergency responders are trained to locate and deactivate high-voltage systems in EVs to mitigate the risk of electric shock or fire during rescue operations.
- **Vehicle Identification:**
  - Emergency responders are trained to identify EVs and locate relevant safety information, such as the location of the battery pack and high-voltage components.
- **Battery Isolation:**
  - Specialized tools and procedures are used to isolate the high-voltage battery pack to prevent electrical hazards during extrication or firefighting



• **Collaboration with Manufacturers:**

- Emergency responders often collaborate with EV manufacturers to develop specialized training programs and protocols for handling EV-related incidents.

• **Public Awareness Campaigns:**

- Public awareness campaigns are conducted to educate drivers and emergency responders about the unique safety features and protocols associated with electric vehicles.



**THANK YOU**

Name :Naveen M  
Email Id :naveennatraj2000@gmail.com  
Phone no:6379944243

## STAFF FEEDBACK

**THIRUTHANGAL NADAR COLLEGE, CHENNAI 600 051**

**DEPARTMENT OF CHEMISTRY**

***STAFF FEEDBACK***

**Naan Mudhalvan Programme on EV Battery Management**

The program has been crafted to align closely with the most recent methods for maintaining EV batteries, offering students a solid foundation in comprehending and managing them. It ensures students gain practical experience, enhancing their understanding of monitoring and maintenance practices for EV batteries. This approach, combined with a broad curriculum covering various aspects of battery management, fosters skill development and prepares students to tackle real-world challenges effectively.

## TRAINER FEEDBACK

### RAREMINDS

#### *TRAINER FEEDBACK*

#### **Naan Mudhalvan Programme on EV Battery Management**

The program is designed to match the latest techniques in EV battery maintenance, giving students a strong grasp of managing them. It emphasizes hands-on experience, improving their understanding of monitoring and maintenance. With a comprehensive curriculum, it promotes skill development, readying students for real-world scenarios.

## STUDENTS FEEDBACK

THIRUTHANGAL NADAR COLLEGE  
DEPARTMENT OF CHEMISTRY  
IBM Skills Build Future Ready Employability skills  
FEEDBACK FORM

S. No.	College ID No.	Student Name	Comments & Suggestions
1	21BSCCHE02	GURUBALAKRISHNAN. K	Gained information about batteries
2	21BSCCHE09	NAVEEN. M	Knew about latest technologies in battery sector
3	21BSCCHE01	NISHANTH. R	Highly useful to my career
4	21BSCCHE04	HEMAMALINI. M	Good
5	21BSCCHE03	LAVANYA. J	excellent course
6	21BSCCHE05	LAVANYA. S	Good
7	21BSCCHE08	SANDHANAMARI. T	Need of the hour programmes
8	21BSCCHE06	THANGA MANI. M	Provided idea on maintenance of batteries



## SUMMARY REPORT

### THIRUTHANGAL NADAR COLLEGE, CHENNAI 600 051

#### 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.



**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.**

## Implementation Plan

Week	Topic	Tentative Date
Week 1	<ol style="list-style-type: none"> <li>1. Sign up and enrolment to course</li> <li>2. Introduction to the course</li> </ol>	<b>5/02/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 2	Doubt Clearing session	<b>12/02/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 3	Doubt Clearing session	<b>19/02/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 4	Doubt Clearing session	<b>26/02/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 5	Doubt Clearing session	<b>04/03/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 6	Doubt Clearing session	<b>11/03/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 7	Doubt Clearing session	<b>18/03/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm
Week 8	Doubt Clearing session	<b>25/03/2024</b> 10:00 am to 11:00 am 3:00 pm to 4:00 pm

THIRUTHANGAL NADAR COLLEGE  
DEPARTMENT OF COMPUTER SCIENCE

NAAN MUDHALVAN COURSE : Business Process Management (BPM) - ATTENDANCE

ACADEMIC YEAR : 2023-2024

CLASS : III B.SC - CS

SEMESTER: VI

SEM: EVEN

S.NO	ID NO	REG.NO	STUDENT NAME	5/2/2024	12/2/2024	19/02/2024	26/02/2024	04/03/2024
1	21BSCCS25	222107071	MOHAN RAJLR	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT
2	21BSCCS14	222107072	AAMEERA	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
3	21BSCCS24	222107073	AJITHKUMAR.D	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
4	21BSCCS11	222107074	AKASH B	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
5	21BSCCS28	222107075	ANAND KUMAR.P	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT
6	21BSCCS06	222107076	HARIPRASANTH V	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT
7	21BSCCS20	222107077	HARISH L	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
8	21BSCCS29	222107078	JOHNSON.V	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
9	21BSCCS17	222107079	KALIDASS B	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
10	21BSCCS26	222107080	KAMESHWARAN.P	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT
11	21BSCCS12	222107081	KARTHICK N	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT
12	21BSCCS30	222107082	KEERTHISHT.U	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
13	21BSCCS18	222107083	LOKESHRAJAD	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
14	21BSCCS21	222107084	MAGESHWARAN S	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
15	21BSCCS04	222107085	MANIKANDAN C	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT
16	21BSCCS09	222107086	NANDHAKUMAR.S	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
17	21BSCCS08	222107087	SAM DANIEL S	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
18	21BSCCS03	222107088	SANTHOSHKUMAR.R	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
19	21BSCCS15	222107089	SHANKAR P M	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT
20	21BSCCS02	222107090	SRIKANTH G	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
21	21BSCCS22	222107091	VELAN.K	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
22	21BSCCS23	222107092	VIJAY KUMAR V	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
23	21BSCCS10	222107093	VINAYAGAMOORTILM	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT
24	21BSCCS16	222107094	JAYA LAKSHMI V	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
25	21BSCCS27	222107095	LAVANYA M	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
26	21BSCCS07	222107096	MALATHLS	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
27	21BSCCS01	222107097	RAMYA.K	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
28	21BSCCS13	222107098	RASIKA P	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT
29	21BSCCS05	222107099	SHEEBAVATHLD	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT



THIRUTHANGAL NADAR COLLEGE						
DEPARTMENT OF COMPUTER SCIENCE						
NAAN MUDHALVAN COURSE - BUSINESS PROCESS MANAGEMENT						
ACADEMIC YEAR : 2023-2024						
FEEDBACK FROM STUDENTS						
BATCH : 2021-2024				SEM: VI		
S.NO.	Timestamp	College ID	Reg. No.	Name	Class	FEEDBACK OF THE COURSE
1	4/24/2024 9:38:24	21BSCCS25	222107071	MOHAN RAJLR	III B.Sc - CS	Good & useful
2	4/24/2024 9:54:31	21BSCCS14	222107072	AAMEERA	III B.Sc - CS	Very helpful
3	4/24/2024 10:20:05	21BSCCS24	222107073	AJITHKUMAR.D	III B.Sc - CS	Excellent
4	4/24/2024 10:33:47	21BSCCS11	222107074	AKASH B	III B.Sc - CS	Nice
5	4/24/2024 10:37:02	21BSCCS28	222107075	ANAND KUMAR.P	III B.Sc - CS	-
6	4/24/2024 10:38:11	21BSCCS06	222107076	HARIPRASANTH V	III B.Sc - CS	Good
7	4/24/2024 10:40:03	21BSCCS20	222107077	BARISH L	III B.Sc - CS	Perfect
8	4/24/2024 10:43:24	21BSCCS29	222107078	JOHNSON.V	III B.Sc - CS	Useful
9	4/24/2024 10:48:26	21BSCCS17	222107079	KALIDASS B	III B.Sc - CS	Excellent
10	4/24/2024 10:47:00	21BSCCS26	222107080	KAMESHWARAN.P	III B.Sc - CS	It's very useful in learning about BPM
11	4/24/2024 10:49:22	21BSCCS12	222107081	KARTHICK N	III B.Sc - CS	Good
12	4/24/2024 11:03:11	21BSCCS30	222107082	KEERTHISHI.T.U	III B.Sc - CS	It was very useful
13	4/24/2024 11:06:08	21BSCCS18	222107083	LOKESHRAJA.D	III B.Sc - CS	Good
14	4/24/2024 11:06:22	21BSCCS21	222107084	MAGESHWARAN S	III B.Sc - CS	Good
15	4/24/2024 11:08:10	21BSCCS04	222107085	MANIKANDAN C	III B.Sc - CS	-
16	4/24/2024 11:09:33	21BSCCS09	222107086	NANDHAKUMARS	III B.Sc - CS	Very helpful to learn additional courses.
17	4/24/2024 11:13:35	21BSCCS08	222107087	SAM DANIEL S	III B.Sc - CS	Good
18	4/24/2024 11:14:29	21BSCCS03	222107088	SANTHOSHKUMAR.R	III B.Sc - CS	Usefull
19	4/24/2024 11:18:11	21BSCCS15	222107089	SHANKAR P.M	III B.Sc - CS	It is very useful
20	4/24/2024 11:34:37	21BSCCS02	222107090	SRIKANTH G	III B.Sc - CS	Good
21	4/24/2024 11:38:03	21BSCCS22	222107091	VELAN.K	III B.Sc - CS	Good
22	4/24/2024 11:37:45	21BSCCS23	222107092	VIJAY KUMAR V	III B.Sc - CS	Good
23	4/24/2024 11:38:33	21BSCCS10	222107093	VINAYAGAMOORTHLM	III B.Sc - CS	Good
24	4/24/2024 11:39:38	21BSCCS16	222107094	JAYA LAKSHMI V	III B.Sc - CS	Nil
25	4/24/2024 11:39:45	21BSCCS27	222107095	LAVANYA M	III B.Sc - CS	Nothing
26	4/24/2024 11:40:04	21BSCCS07	222107096	MALATHILS	III B.Sc - CS	Complementary Course
27	4/24/2024 11:41:32	21BSCCS01	222107097	RAMYA.K	III B.Sc - CS	Good
28	4/24/2024 11:45:30	21BSCCS13	222107098	RASIKA P	III B.Sc - CS	NIL
29	4/24/2024 11:50:11	21BSCCS05	222107099	SHEEBAVATHLD	III B.Sc - CS	Good



**THIRUTHANGAL NADAR COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE**

**ACADEMIC YEAR: 2023-2024**

**NAAN MUDHALVAN FEED BACK FROM THE STAFF**  
**“BUSINESS PROCESS MANAGEMENT”**

**Class: III B.SC - CS**

**BATCH :2021-2024**

The III year students of Department of Computer Science enrolled their names in the NAAN MUDHALVAN portal to attend the Course entitled “**Business Process Management**” in the even semester during the academic year 2023-2024.

Since the course was conducted through online mode, the students were trained with **pre-recorded videos** and lectures. Doubts were cleared in the Doubt Session by the experts. Also the students found it easy to complete at their own convenience.

**Certificates** were issued for the students they were happy and enthusiastic to complete the course.



## **THIRUTHANGAL NADAR COLLEGE**

**DEPARTMENT OF COMPUTER SCIENCE**

**ACADEMIC YEAR: 2023-2024**

**NAAN MUDHALVAN REPORT**

**"Business Process Management"**

**Class: III B.Sc - CS**

**BATCH :2021-2024**

The II year students of Department of Computer Science enrolled in the NAAN MUDHALVAN Course entitled "**Business Process Management**" 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 internal marks were updated by the concerned staff and the external marks are going to be evaluated based on the Assessment.

**Name of the course: Food Analysis**

**Departments: III Year- BSC PBPB**

### COURSE OBJECTIVES

**Course Topic :**“Food Analysis”

#### OVERALL COURSE OBJECTIVE:

- To equip participants with comprehensive knowledge and skills in food analysis techniques, covering various aspects of food composition, safety, and quality assessment.

### COURSE OUTCOME

**Course Topic :**“Food Analysis”

Course	Outcome
I	Understand the principles of food analysis methodologies.
II	Apply various techniques for food composition analysis.
III	Apply various techniques for food composition analysis.
IV	Interpret and report food analysis results accurately.
V	Demonstrate proficiency in laboratory skills relevant to food analysis.

### SCHEDULE

**Course Topic :**“Food Analysis”

**Mode:** Offline

**Venue:** Ambedkar College, Chennai

**Duration:** Nine weeks

Week	DATE	TIME
I	30.01.2024	9.00 AM TO 5.00 PM
II	06.02.2024	
III	13.02.2024	
IV	20.02.2024	
V	27.02.2024	
VI	05-03-2024	
VII	12-03-2024	
VIII	19-03-2024	
IX	26-03-2024	



### STUDENTS ATTENDANCE

THIRUTHANGAL NADAR COLLEGE

III YR NAAN MUDALVAN

Course

Name: FOOD ANALYSIS

Class

III B.Sc. Plant Biology and Plant Biotechnology

AMBEDKAR

COLLEGE& ARTS &

VENUE:

SCIENCE

Mode

OFFLINE

TRAINERS

Mr. Surendar

NAME

Rajkumar

S.No	First Name	Last Name	Student Id	Register Number	30-01-2024	6/2/2024	13-02-2024	20-02-2024	27-02-2024	5/3/2024	12/3/2024	19-03-2024	26-03-2024
1	MOUNIKA	S	21BSCP05	222107107	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
2	JAGARAO GANTA	S	21BSCP02	222107108	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
3	ESWARI	R	21BSCP03	222107109	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT
4	KOWSALYA	K	21BSCP04	222107111	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT
5	NIMITHA	N	21BSCP06	222107112	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT





## STUDENT FEEDBACK

THIRUTHANGAL NADAR COLLEGE  
DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY  
NAAN MUDHAVAL TRAINING PROGRAMME

On

"FOOD ANALYSIS"

FEED BACK FORM

NAME: N. Nimitra

CLASS: III<sup>rd</sup> B.Sc Plant Biology and Plant Biotechnology

Feedback: It is veryful programme. I have learned many informative things. and It is veryful for career opportunities

THIRUTHANGAL NADAR COLLEGE  
DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY  
NAAN MUDHAVAL TRAINING PROGRAMME

On

"FOOD ANALYSIS"

FEED BACK FORM

NAME: S. Jagannathan

CLASS: III<sup>rd</sup> Year B.Sc Plant Biology and plant biotechnology

FEEDBACK:

It is useful course. Interesting course. Learned useful things from the course.

## STAFF FEEDBACK

### **THIRUTHANGAL NADAR COLLEGE**

**DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY**

**NAAN MUDHALVAN TRAINING PROGRAMME**

**“FOOD ANALYSIS”**

**STAFF FEEDBACK**

Naan Mudhalvan – “Food Analysis” programme was given to our III B.Sc. Plant Biology and Plant Biology students. The course consists of principles of food analysis methodologies, various techniques for food composition analysis, evaluation of food safety and quality parameters and laboratory skills relevant to food analysis. Our students gained technical skills and insights that are applicable in both research and professional contexts.

Dr. A. Ram Kumar  
Asst. Professor,  
Department of Plant Biology and Plant Biotechnology

## TRAINER FEEDBACK

### **Trainer Feedback**

Training was conducted on Food Analysis, we covered various topics related to food safety and food analytical techniques. Students actively participated in the activity session and case studies, they cleared their doubts after the class, overall I had interactive session during the entire training course.



SURENDAR RAJKUMAR  
We Care Food Safety Consultancy

## SUMMARY REPORT

# **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 (30<sup>th</sup> January 2024 to 26<sup>th</sup> 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.





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

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

**CLASS SCHEDULE**

**THIRUTHANGAL NADAR COLLEGE  
DEPARTMENT OF COMPUTER APPLICATIONS(BCA)  
NAAN MUDHALVAN COURSE  
ORACLE CLOUD INFRASTRUCTURE ACADEMIC YEAR : 2023-2024  
EVEN SEM -CLASS SCHEDULE**

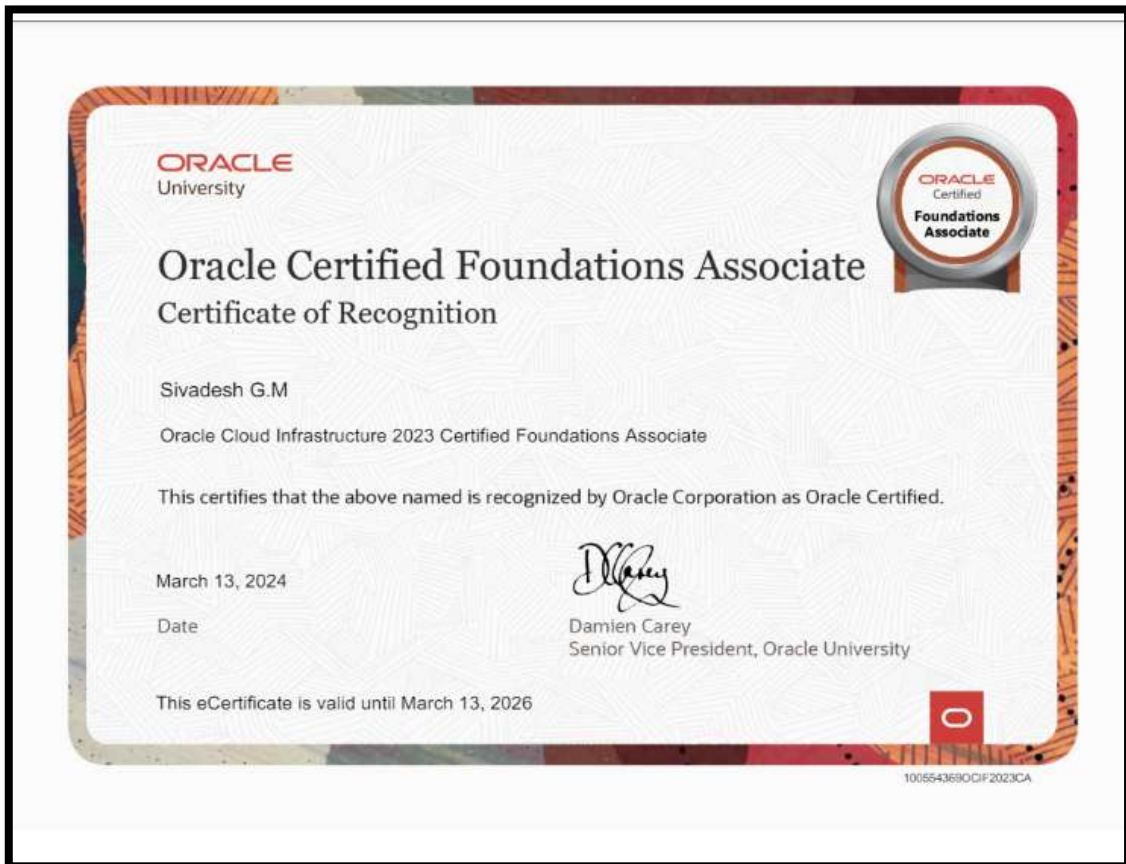
**BATCH : 2022-2025**

**CLASS: II BCA B**

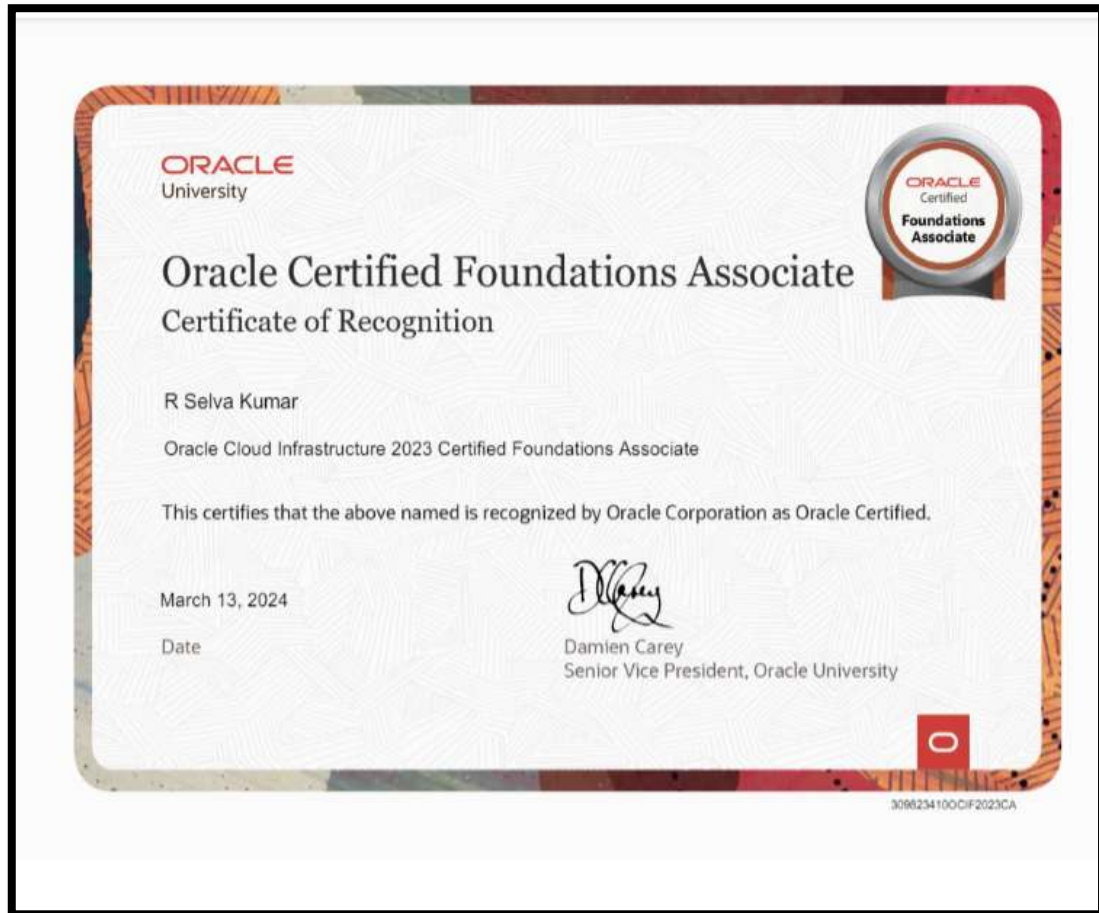
S.NO	DATE	COURSE	CLASS
1	5/2/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
2	12/2/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
3	19/02/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
4	26/02/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
5	04/03/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
6	11/03/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
7	18/03/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
8	25/03/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS
9	01/04/2024	ORACLE CLOUD INFRASTRUCTURE	ONLINE CLASS















STUDENTS FEEDBACK

THIRUTHANGAL NADAR COLLEGE						
DEPARTMENT OF COMPUTER APPLICATIONS (BCA)						
NAAN MUDHALVAN COURSE - ORACLE CLOUD INFRASTRUCTURE						
ACADEMIC YEAR : 2023-2024						
FEEDBACK FROM STUDENTS						
BATCH : 2022-2025			SEM: IV		CLASS: II BCA B	
S.NO.	Timestamp	NAME	STU. ID NO.	DEPT.	CLASS & SEC	FEEDBACK OF THE COURSE
1	4/24/2024 9:26:50	P. Thirupathi alwar	22bca31	BCA	II BCA B	Good
2	4/24/2024 9:27:09	G.M.Sivadeesh	22BCA03	BCA	II BCA B	Good
3	4/24/2024 9:27:13	Suriya.R	22BCA09	BCA	II BCA B	The level of engagement of these courses
4	4/24/2024 9:28:22	Babu v	22bca54	BCA	II BCA B	Nice
5	4/24/2024 9:29:08	Vinod Raj B	22BCA103	BCA	II BCA B	Good
6	4/24/2024 9:32:22	M.Madhan Prasanth	22BCA76	BCA	II BCA B	Good
7	4/24/2024 9:35:02	T.Mohammed Ameer Ali Khan	22bca26	BCA	II BCA B	Useful for studies
8	4/24/2024 9:35:20	MOHANA PRIYANKA	22BCA91	BCA	II BCA B	NOTHING
9	4/24/2024 9:38:13	venkatesh.m	22BCAE05	BCA	II BCA B	very nice
10	4/24/2024 9:38:24	Angel j	22BCAE15	BCA	II BCA C	Good & useful
11	4/24/2024 9:38:55	Megala S	22BCA01	BCA	II BCA B	Usefull
12	4/24/2024 9:40:28	S DEEPAKRAJ	212201873	BCA	II BCA B	Definitely it was so useful but if on the classes will be in the online , next time make to teach the classes in offline it will useful us and easy to learn
13	4/24/2024 9:43:36	Aashini S	22BCA49	BCA	II BCA B	Good and I think it's useful certificate for jobs
14	4/24/2024 9:47:13	R. Hemantkumar	22BCA36	BCA	II BCA B	GOOD
15	4/24/2024 9:50:05	Sachin	22BCA40	BCA	II BCA B	Good
16	4/24/2024 9:53:03	SANDENABOINA SAIKUMAR	22BCA66	BCA	II BCA B	Good
17	4/24/2024 9:54:03	venkatakrishtan758@gmail.com	22bca11	BCA	II BCA B	Very helpful
18	4/24/2024 9:54:31	venkatakrishtan758@gmail.com	22bca11	BCA	II BCA C	Very helpful
19	4/24/2024 9:57:41	Prithakaran s	22BCA101	BCA	II BCA B	Good
20	4/24/2024 10:02:00	Darshan K	22BCA17	BCA	II BCA B	So Sad
21	4/24/2024 10:03:26	PK KARTHIKEYAN	22BCA95	BCA	II BCA B	GOOD
22	4/24/2024 10:08:13	Vigneshwaran.v	22bca96	BCA	II BCA B	Good
23	4/24/2024 10:08:29	Yuvraj	22bca29	BCA	II BCA B	Better
24	4/24/2024 10:10:26	S.GANESH RAJA	22BCA92	BCA	II BCA B	Good
25	4/24/2024 10:18:33	R.haridaran	22bca02	BCA	II BCA B	Very good course
26	4/24/2024 10:20:05	M.pooja	22bca07	BCA	II BCA C	Excellent
27	4/24/2024 10:31:46	Krishick Nagarjan B S	22BCA73	BCA	II BCA B	Good
28	4/24/2024 10:35:12	G.M.Sivadeesh	22BCA03	BCA	II BCA B	None
29	4/24/2024 10:35:24	P.a.Anusha	22BCA86	BCA	II BCA B	I really enjoyed the online course. I thought it was well planned and layed out, easy for me to follow. The so i could finish everything with enough time, learn about the topics and not feel over loaded and rushed.
30	4/24/2024 10:38:25	Saran	22bca13	BCA	II BCA B	Good
31	4/24/2024 10:54:15	Kamshika D	22bca104	BCA	II BCA B	Good
32	4/24/2024 11:06:08	A. Harish	22BCAE09	BCA	II BCA C	Good
33	4/24/2024 11:20:46	Dinesh.R	22bca06	BCA	II BCA B	Good and easy
34	4/24/2024 13:05:43	Swathi R	22bca39	BCA	II BCA B	Good
35	4/24/2024 13:33:55	M.govindh raj	22bca18	BCA	II BCA C	Good
36	4/24/2024 13:42:34	Swathi R	22bca39	BCA	II BCA B	Good
37	4/24/2024 13:46:10	Megala	22BCA01	BCA	II BCA B	Usefull
38	4/24/2024 16:12:43	Richard Daniel S	22	BCA	II BCA B	Good
39	4/24/2024 16:28:28	Praveen.G	22bca71	BCA	II BCA B	Was better and I have put no complaints
40	4/24/2024 16:29:25	DHARSHAN M	22BCA62	BCA	II BCA B	Good
41	4/25/2024 8:32:45	A.GOWTHAM	22BCA63	BCA	II BCA B	Very important and good course for my career



## STAFF FEEDBACK

**THIRUTHANGAL NADAR COLLEGE**  
**DEPARTMENT OF COMPUTER APPLICATIONS**  
**ACADEMIC YEAR: 2023-2024**  
**NAAN MUDHALVAN FEED BACK FROM THE STAFF**  
**“ORACLE CLOUD INFRASTRUCTURE”**

**Class: II BCA B**

**BATCH :2022-2025**

The II year students of Department of Computer Applications (BCA) enrolled their names in the NAAN MUDHALVAN portal to attend the Course entitled “ORACLE CLOUD INFRASTRUCTURE” in the even semester during the academic year 2023-2024.

Since the course was conducted through online mode, the students were trained with **pre-recorded videos** and lectures. Doubts were cleared in the Doubt Session by the experts. Also the students found it easy to complete at their own convenience.

Since **Certificates** were issued for the students they were happy and enthusiastic to complete the course.

## SUMMARY REPORT

### **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.

Name of the course: **Digital Marketing**

Departments: **III Year- BA English & BA Tamil**

**Course Syllabus:**

**UNIT I – INTRODUCTION TO ONLINE MARKETING**

Online Market space- Digital Marketing Strategy- Components - Opportunities for building Brand Website - Planning and Creation - Content Marketing.

**UNIT II – SEARCH ENGINE OPTIMISATION**

Search Engine optimisation - Keyword Strategy- SEO Strategy - SEO success factors -On-PageTechniques - Off-Page Techniques. Search Engine Marketing- How Search Engine works- SEM components- PPC advertising -Display Advertisement

**UNIT III – E- MAIL MARKETING**

E- Mail Marketing - Types of E- Mail Marketing - Email Automation - Lead Generation -Integrating Email with Social Media and Mobile- Measuring and maximizing email campaign effectiveness. Mobile Marketing- Mobile Inventory/channels- Location based; Context based;Coupons and offers, Mobile Apps, Mobile Commerce, SMS Campaigns-Profiling and targeting

**UNIT IV – SOCIAL MEDIA MARKETING**

Social Media Marketing - Social Media Channels- Leveraging Social media for brand conversations and buzz. Successful /benchmark Social media campaigns. Engagement Marketing- Building Customer relationships - Creating Loyalty drivers - Influencer Marketing.

**UNIT V – DIGITAL TRANSFORMATION**

Digital Transformation & Channel Attribution- Analytics- Ad-words, Email, Mobile, SocialMedia, Web Analytics - Changing your strategy based on analysis- Recent trends in Digital marketing.

Training Hours - 15 Hrs (Theory) + 30 Hrs (Practical) = 45 Hrs





Naan Mudhalvan - InGage Technology Pvt.Ltd

College Name: Thiruthangal Nadar college

STUDENT ATTENDANCE SHEET

Sl. No.	College Code	College Name	Student Name	REG ID	DAY 1 Student Date	DAY 2 Student Date	DAY 3 Student Date	DAY 4 Student Date	DAY 5 Student Date	Day 6 Attendance Date
1.	1435	TNC	A. Suresh Kumar		Present	Present	Present	Present	Present	Present
2.	1435	TNC	D. Gangaiah		Present	Present	Present	Present	Present	Present
3.	1435	TNC	S. Sangeetha		Present	Present	Present	Present	Present	Present
4.	1435	TNC	S. Ramesh		Present	Present	Present	Present	Present	Present
5.	1435	TNC	A. Suresh Kumar		Present	Present	Present	Present	Present	Present
6.	1435	TNC	M. Sangeetha		Present	Present	Present	Present	Present	Present
7.	1435	TNC	N. Sangeetha		Present	Present	Present	Present	Present	Present
8.	1435	TNC	S. Sangeetha		Present	Present	Present	Present	Present	Present
9.	1435	TNC	A. Sangeetha		Present	Present	Present	Present	Present	Present
10.	1435	TNC	P. Sangeetha		Present	Present	Present	Present	Present	Present
11.	1435	TNC	S. Sangeetha		Present	Present	Present	Present	Present	Present





**Name of the course: Story Telling**

**Departments: III Year- BA CPA & BSW**

## STORYTELLING COURSE

### INTRODUCTION

Storytelling can serve many purposes: interpreting past and present, projecting a future, encouraging empathy, providing testimony, giving voice to personal realities, and more. The ability to share one's creative vision, thoughts, or products in a manner that is resonant to those within a target audience is critical in an array of situations. The resonant story is one that communicates to listeners, readers, or viewers in a manner that reflects a nuanced understanding of how one thinks, feels, reacts, and behaves. It is through depth of insight and effective communication that innovations diffuse, art is championed, content is consumed, services are rendered, products are purchased or adopted. This course explores the various written, spoken, and visual ways in which stories can be envisioned, assembled, and shared – both historically and in contemporary contexts across audiences and for different purposes, using existing or creating new multimedia methods and tools. Accompanying this exploration is instruction in communication theory and the narrative structures and content most effective at evoking a powerful and meaningful audience response. The course will take step-by-step, towards becoming a sharper speaker and storyteller. In a world of decreasing attention spans, impactful storytelling can unlock professional success. Effectively connecting and communicating with your audience can help you better collaborate, gain trust, and build a presence. This course on the Art of Storytelling will help to move the needle on confidence, communication, poise and presence towards delivering inspiring messages.

### COURSE OBJECTIVE

- In this course students will learn how to build and communicate ideas, concepts and solutions using universal storytelling techniques.
- This course explores the fundamental principles and techniques of storytelling across various mediums. Students will delve into the structure, elements, and strategies employed in crafting compelling narratives.
- Through analysis, practice, and feedback, participants will develop their storytelling skills and gain a deeper understanding of the art form.
- Students will learn the history of storytelling, various types of stories, and best practices for gathering and telling stories.
- Storytelling can be used to educate, entertain, excite or calm, and to convey important information in a memorable way. Humans are coded for narrative and developing an understanding of story and its place in our lives adds a valuable skill to our professional toolkit.

### COURSE OUTCOMES

- Understand the foundational and generalizable components of stories
- Discuss and utilize the power of story in various personal and professional situations;
- Differentiate between story types, form, context, and content.
- Discuss the effects of society and culture on stories and storytelling;
- Create independent narratives for effective use in an array of personal and organizational settings (e.g., design agency, firm, startup venture)
- Discuss the role of technology in relation to storytelling;
- Demonstrate proficiency in selecting and preparing stories for presentation;

## **COURSE SYLLABUS**

### **1: Introduction to Storytelling**

- Definition and importance of storytelling
- Historical and cultural perspectives
- The psychology of storytelling

### **2: Elements of a Story**

- Character development
- Setting and world-building
- Plot and conflict

### **3: Narrative Structure**

- The three-act structure
- Story arcs and pacing
- Subplots and secondary characters

### **4: Point of View and Voice**

- First-person, third-person, and omniscient perspectives
- Developing a unique narrative voice
- Perspective shifts and their impact

### **5: Dialogue and Description**

- Crafting authentic dialogue
- Balancing dialogue with narration
- Descriptive techniques and sensory detail

### **6: Themes and Symbolism**

- Identifying themes in storytelling
- Symbolism and metaphor
- Using themes to enhance narrative depth

### **7: Genre and Style**

- Exploring different storytelling genres
- Understanding genre conventions
- Developing a personal style

### **8: Adaptation and Transmedia Storytelling**

- Adapting stories across different mediums (e.g., books to film)
- Transmedia storytelling techniques
- The impact of technology on storytelling

### **9: Storytelling in Marketing and Branding**



