Faculty of Engineering and Technology
Minor Project Work/Internship – Student Log Book

SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Project Batch ID

NWC-SC-096

Name of student	Register Number	Department	Mobile Number	Email ID
Anjali Agrawal	RA1811030010096	CSE – cyber security	8939351124	Aa9552@srmist.edu.in

Degree/ program	B.Tech	Specialisation	Computer Science
Academic Year	2021-2022	Semester	8
Course Code	**18CSP110L**	Course Title	Internship

Internship Report

Working Title of the Project:	**A/B TESTING FOR INDUSTRIAL COMPANIES**
Project Site / Location	Chennai (WFH)
Name and address of the company / organisation (Applicable for projects with industry or industry support)	Tiger Analytics, RMZ Millenia Business Park 2, Campus 5, 2nd Floor, No. 143, Kandanchavadi, MGR Road, Perungudi, Chennai, Tamil Nadu 600096

	Supervisor	**Co-Supervisor**	**External Supervisor (If applicable)**
Name	Dr. S. Prabakeran	Dr. S. Prabakeran	Preeti Vijayan
Designation	Assistant Professor	Assistant Professor	Technology consulting BI & analytics
Department	Department of networking and communications	Department of networking and communications	Tiger Analytics
Campus	Kattankulathur	Kattankulathur	Chennai, India
Telephone	9042394880	9042394880	
E-mail	prabakes@srmist.edu.in	prabakes@srmist.edu.in	preeti.vijayan@tigeranalytics.com

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Problem (or) Product Description:
I am working as Intern at Tiger Analytics as Data Analyst. I am currently assigned to
A/B campaign Testing project. We have 3 tests going on simultaneously. I am contributing to
all three of them as they all have different timelines. 1st test started from 15 Dec to 31 Jan.
2nd test started from 4th Jan to 15 Feb and 3rd test started from 31st Jan to 1 March.
In these tests we have one control and one or two variations (depending on test). We need to
Collect data from different databases, merge them and analyse on given terms and conditions
We must make final presentation and dashboard using python to show if test was successful.
Assumptions and Constraints
We have assumed that our test variations are better than control and need to prove hypothesis true.
Stakeholders
Tiger Analytics

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Division of work and contributors

Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	**To Date**			
17/12/21	18/12/21	Finalize the metrics for the test	Anjali Agrawal (RA1811030010096)	Project head
17/12/21	18/12/21	Experiment design document	Anjali Agrawal (RA1811030010096)	
20/12/21	20/12/21	Results sharing for Efficacy sample upload test	Anjali Agrawal (RA1811030010096)	Project head
21/12/21	21/12/21	VPN AC Card analysis	Anjali Agrawal (RA1811030010096)	
15/12/21	24/12/21	Get the daily device count for the additional affiliates	Anjali Agrawal (RA1811030010096)	
22/12/21	22/12/21	Review the test brief and finalize for the test	Anjali Agrawal (RA1811030010096)	
03/01/22	03/01/22	Create the test brief with all the information	Anjali Agrawal (RA1811030010096)	
03/01/22	03/01/22	Estimate the sample size required for the test	Anjali Agrawal (RA1811030010096)	
04/01/22	24/01/22	Report to monitor the test results for D0Conversion	Anjali Agrawal (RA1811030010096)	
06/01/22	28/01/22	Report to monitor the test results for AR opt-in	Anjali Agrawal (RA1811030010096)	
10/01/22	24/01/22	Prepare the report to calculate the significance value for the testing metrics	Anjali Agrawal (RA1811030010096)	
11/01/22	12/01/22	Consider both allocation date and allocation date + 1 for the metrics	Anjali Agrawal (RA1811030010096)	
12/01/22	17/01/22	Add the engagment in the homesceen	Anjali Agrawal (RA1811030010096)	
13/01/22	18/01/22	Add the impression flag from the NGM all events table	Anjali Agrawal (RA1811030010096)	

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Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	**To Date**			
20/01/22	24/01/22	Add the secondary CTA from NGM and WSS also	Anjali Agrawal (RA1811030010096)	
25/01/22	28/01/22	Code for base table creation for test 3	Anjali Agrawal (RA1811030010096)	
25/01/22	31/01/22	Check the consistency of all the metrics across notebook for AR opt in	Anjali Agrawal (RA1811030010096)	Project head
25/01/22	31/01/22	Check the consistency of all the metrics across notebook for Day 0 conversion	Anjali Agrawal (RA1811030010096)	Project head
01/02/22	07/02/22	Regular follow ups of last two test	Anjali Agrawal (RA1811030010096)	
03/02/22	08/02/22	Kickoff & setup of third test	Anjali Agrawal (RA1811030010096)	
09/02/22	15/02/22	Checking data availability and reporting to data team	Anjali Agrawal (RA1811030010096)	Project head
15/02/22	19/02/22	Setting environment for test	Anjali Agrawal (RA1811030010096)	
21/02/22	25/02/22	Coding for test and frontened	Anjali Agrawal (RA1811030010096)	
28/02/22	4/03/22	Rechecking sample size and meeting manager's request	Anjali Agrawal (RA1811030010096)	Project head
06/03/22	11/03/22	Monitoring output and results	Anjali Agrawal (RA1811030010096)	
14/03/22	18/03/22	Introduction to dashboard	Anjali Agrawal (RA1811030010096)	Project head
21/03/22	25/03/22	Checking values in dashboard	Anjali Agrawal (RA1811030010096)	

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28/03/22	01/04/22	Adding values to dashboard	Anjali Agrawal (RA1811030010096)	
04/04/22	14/04/22	Testing attributes of dashboard and reporting to dashboard team	Anjali Agrawal (RA1811030010096)	Project head
18-04-22	22-04-22	K.T for new project	Anjali Agrawal (RA1811030010096)	Project head
25-02-22	29-04-22	Setting up for new project	Anjali Agrawal (RA1811030010096)	Project head

Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors			Working title of dissertation/research project:	
Meeting date & supervisors present	**Progress since last meeting**	**Agreed programme of work and target dates**	**Other issues, e.g. facilities, supervision, training needs, etc.**	**Date of next meeting**
31/01/2022	Test one completed Test two about to complete Test three started	Working according to company deadline and stakeholders' requirements		6/02/22
06/02/2022	Test three started	Working according to company deadline and stakeholders' requirements		15/02/22
15/02/2022	Setting environment for test	Working according to company deadline and stakeholders' requirements		01/03/22
01/03/22	Wrapping up test three and reporting to managers	Working according to company deadline and stakeholders' requirements		15/03/22
15/03/22	Written research paper Applied in conference Starting work on dashboard	Working according to company deadline and stakeholders' requirements		01/04/22

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01/04/22	Paper accepted in ICCET2022 Testing functionality of dashboard	Working according to company deadline and stakeholders' requirements		25/04/22
25/04/22	Mock Review All doc submission Starting on new project	Working according to company deadline and stakeholders' requirements		12/05/22

Internship offer letter

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Anjali Agrawal
Aug 25, 2021

Dear Anjali,

We are pleased to extend to you an offer of internship with Tiger Analytics (the **Company**).

This contract is valid only for the period of internship, and you will be required to sign a separate contract should you take up a full-time role with the Company.

Your internship is subject to the following terms and conditions:

1. Date of Commencement
   The internship is for a period of 9 Months - Aug 30, 2021 to May 31, 2022

2. Place of Work
   Your internship will be administered remotely.

3. Stipend
   You will be paid a stipend of INR 30000 (pre-tax) per month during your internship. This will be deposited into your bank account.

4. Benefits
   Benefits available to full-time employees such as Provident Fund and Medical Insurance are not applicable to Interns.

5. Leave Entitlements
   During your internship period, you are entitled to leave as approved by your manager. Leave cannot be encashed.

6. Safety
   The Company is committed to providing a safe working environment for all employees and therefore required to abide by all safety rules and procedures operating within the Company.

7. Conduct
   You will be expected to dress appropriately for a business setting. Business casual attire as outlined below is considered appropriate:
   a. A collared shirt, pants, and shoes for men
   b. Equivalent Indian or Western business casuals for women

   Behaviour unbecoming of a business environment (as perceived the Company) will not be tolerated and might lead to termination of employment.

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8. Confidentiality

During your employment with the Company, you will make use of Confidential Information in carrying out your duties. Without limitation, "Confidential Information" includes:

1. Information relating to the goods and services and proprietary techniques provided by the Company and clients of the Company
2. All information concerning the business, its methods of operation, marketing and other activities
3. All databases, lists compiled by the company, client proposals, reports, software, algorithms, and computer programs
4. Competitive and financial information concerning the business, which is not in the public domain
5. Information concerning the business of the Company's clients

You must not, whether during employment or after termination of your employment with the Company, without written authority, divulge 'Confidential Information' to anyone other than an employee authorized to receive the information, or use such information for your own personal gain.

9. Inventions and Copyright

You assign to the Company your entire right, title and interest in and to any copyright and any industrial or intellectual property rights in any and all works, designs, computer programs, inventions, processes, concepts, strategies, plans and lists (Confidential Property) which (either solely or jointly with others) you have developed or may develop during and/or as a result of your employment with the Company.

You also agree promptly to disclose to the Company or to its attorneys any and all such Confidential Property developed by you and agree to execute upon demand, at the expense of the Company, all documents which may be desirable to secure to the Company the best copyright, patent or other protection in India and elsewhere and/or rights relating to such Confidential Property.

15. Following End of Internship

15.1 Confidentiality

You agree that upon termination of your internship with the Company you shall return to the Company:

a. All documents and any other materials constituting or containing Confidential Property or Confidential Information including, without limitation, customers or contacts, correspondence and other written material relating to Confidential Information or Confidential Property and that you will not retain any such documents or material or copies of such documents or material

b. Company mobile phone or other electronic telecommunications devices that the company has issued to you. The telephone number of the company owned telecommunications devices will remain property of the company

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c. And other property of the Company including, without limitation, security access cards, credit cards, computers and computer software (which must be deleted immediately from any storage device owned by you).

15.2 Non-rendering of services to clients

You also agree that you will not, during your employment with the Company or Group and for a period of twelve months after termination, contact, or assist anyone else to contact, any Client of the Company with a view to obtaining business from those Clients; or to persuade those Clients to cease to do business with the Company or to reduce the amount of business which any such Clients has customarily done or is reasonable expected to do with the Company.

The definition of Client includes any prospective client to whom you or the Company has made a formal presentation at any time during the twelve months immediately preceding termination.

You also agree that, if such clients approach you in that period, you will inform them of this agreement and refer them to the appropriate person at the Company.

15.3 Non-hire of staff

You also agree that, for six months following termination of your employment with the Company, you will not hire or encourage a third party to hire any member of staff of the Company.

16. Invalidity

In any terms of provisions in this agreement shall be held illegal or unenforceable, in whole or in part, under any enactment or rule of law, such term or provision or part shall to that extent be deemed not to form part of this agreement but the enforceability of the remainder of this agreement shall not be affected.

17. Variation

The terms of this contract of employment may be varied by the Company from time to time. You will be notified of any variations.

18. Adherence to Company Policies

When you join the Company, it will also be a condition of employment that you review and adhere to company policies which you will be notified of subsequently. You agree to adhere to the Company's project financing contracts (e.g. BOT) with the clients.

19. Governing Laws and Jurisdiction

This contract will be governed by the law in force in Chennai, India.

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20. Personal Information and Consent

By accepting this offer, you are giving your implicit consent to Tiger Analytics to collect and use your personal information for business purposes. Your personal information may be shared with the Clients and prospective Clients of Tiger Analytics as a part of selection or onboarding process to work in projects. Tiger Analytics will also share your personal information with a third party for carrying out the background verification as required. Tiger Analytics will store your employment, financial and personal information during the period of employment and for Data Retention Period after your separation, as per the data retention policy to comply with statutory requirements.

21. Acceptance

Please sign this letter signifying your acceptance of the appointment and the conditions of service specified in this letter.

We are pleased to welcome you to the Company. If the preceding terms and conditions of your employment with the Company are acceptable to you, please indicate you acceptance by initialing each page and signing the last page of the attached copy and returning it to me.

Regards

G. Pradeep kumar

Pradeep Gulipalli
General Manager
Tiger Analytics India LLP

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International Conference on Contemporary Engineering and Technology (ICCET 2022)
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10TH INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY 2022

ORGANIZED BY
ORGANIZATION OF SCIENCE & INNOVATIVE ENGINEERING AND TECHNOLOGY (OSIET), CHENNAI, INDIA.

IN ASSOCIATION WITH

PRINCE SHRI VENKATESHWARA PADMAVATHY ENGINEERING COLLEGE
PRINCE DR. K. VASUDEVAN COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved By All India Council For Technical Education, Affiliated To Anna University)
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Certificate of Registration

This is to certify that .... **Anjali Agrawal** .... from
.... **SRM Institute of Science and Technology, Kattankulathur** .... has submitted a paper titled
.... **A/B Testing for Industrial comapanies** ....
....
.... has registered in the "10ᵗʰ International

Conference on Contemporary Engineering and Technology 2022" will be held on 30ᵗʰ April & 1ˢᵗ May 2022 and invited

for the Presentation

Dr. P. Aravinthan, M.E., Ph.D.,
Co-Convener - ICCET

Dr. A. Krishnamoorthy, M.E., Ph.D
Convener - ICCET

K.Janani, M.Tech.,
CEO, OSIET

Publication Proof

Engineering and Applied Science Research (EASR)

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Dear Author/s,   30th April 2022

Thank you for your submission and for your interest in the Engineering and Applied Science Research. The below mentioned article/s has been successfully passed the initial review process. The article/s is now sent for further review process to ensure that all publication requirements have been met and it is expected to get confirmed by Jun/Jul 2022 unless otherwise specified.

PAPER TITLE	AUTHOR1	AUTHOR2	AUTHOR3	AUTHOR4
MESH MESSAGING SERVICE USING BLUETOOTH	Aswini.J	P. Hitesh Reddy	R.B.Moulya	P. Ruchitha, P. Ashish & S.Amisha
IMPROVING THE LIQUID INSULATION PERFORMANCE WITH ANTIOXIDANTS	Helan Gethse J	Dhanya K	Diana Hyden N	Muthuselvi G, Samuel Pakianathan P
ALCOHOL DETECTION AND EMERGENCY ALERT SYSTEM	PREM RAJA R	BARKAVI G	AISHWARYA S	KEERTHANA K, VASUDEVAN V
A/B TESTING FOR INDUSTRIAL COMAPANIES	Anjali Agrawal	Dr. S. Prabakeran	Preeti Vijayan	
IMPROVED DIGITAL TWINNING TECHNIQUES FOR SMART SIMULATIONS	Dr.SHAIK JAVED PARVEZ	AKASH VENKATESAN	VANRAJ D	

Thank you again for your submission.

Regards,
Editor