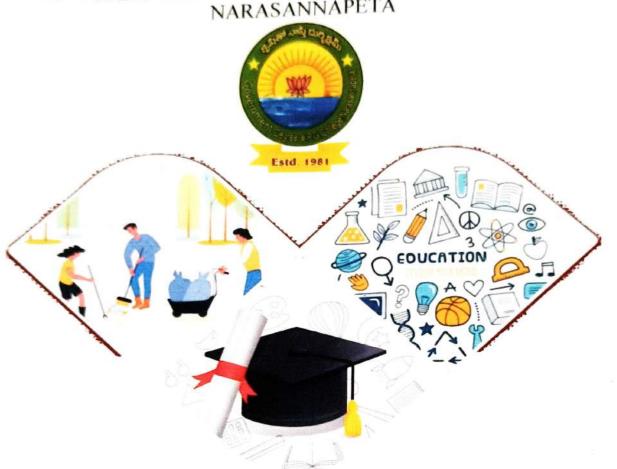
GOVERNMENT DEGREE COLLEGE



## ARTIFICIAL INTELLIGENCE

Designed & Developed by



## SEMESTER INTERNSHIP

ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

## GOVERNMENT DEGREE COLLEGE NARASANNAPETA

### **DEPARTMENT OF MATHEMATICS**

PROGRAM BOOK FOR LONG TERM INTERNSHIP

Submitted in the partial fulfillment for B.Sc. (M.P.Cs) Internship
(Batch 2023-2024)



Submitted by

## LOTTI PAVAN KUMAR

RegNo: 2122004050019

B.Sc. (M.P.Cs) 6TH Semester

Under the Mentorship of

P. DHILLISWARARAO
(M.Sc., APSET)

Lecturer in Physics

Government Degree College, Narasannapeta

Srikakulam District-532421

# PROGRAM BOOK FOR SEMESTER INTERNSHIP

Name of the Student: Lotti pavan kumar

Name of the College: Government Degree collège

Registration Number: 2122 2040 50019

Period of Internship: 12-02-2029 From: 12-02-2029 To: 15-05-2029

Name & Address of the Intern Organization & Smalt Intern 2

DY.R.R.Ambedka University
YEAR



### An Internship Report on

Gth Sem, Long Team Internship

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of BSC compales science

Under the Faculty Guideship of

1. Dhilleswaran

(Name of the Faculty Guide)

Department of

phy sics

(Name of the College)

Submitted by:

Lotti, Pavan leumas

(Name of the Student)

Reg. No: 2122004050019

Department of PHYSICS

Government Degree college

(Name of the College)

#### Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education https://apsche.ap.gov.in

- It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
- 2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
- Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
- You should maintain punctuality in attending the internship. Daily attendance is compulsory.
- 5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
- 6. While you are attending the internship, follow the rules and regulations of the intern organization.
- 7. While in the intern organization, always wear your College Identity Card.
- 8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
- You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
- 10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
  - a. Data and Information you are expected to collect about the organization and/or industry.
  - b. Job Skills you are expected to acquire.
  - c. Development of professional competencies that lead to future career
- 11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
- 12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

- 13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
- 14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
- 15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
- 16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
- 17. Do not meddle with the instruments/equipment you work with.
- 18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
- 19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
- 20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
- 21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
- 22. Do not forget to keep up your family pride and prestige of your College.



## Student's Declaration

I, L. Pavan kumar a student of AI & ML
Program, Reg. No. 212004050019 of the Department of
College do hereby declare that I have completed the mandatory internship
from 12-02-24 to 15-5-24 in Smalt Inton & (Name of
the intern organization) under the Faculty Guideship of
P Dhill swages (Name of the Faculty Guide), Department of
physics Government degree collège
(Name of the College)

22222222222222222222222

L. Pavaskunuz (Signature and Date)

### Official Certification

This is to certify that L. Pavan Kuman (Name of
the student) Reg. No 212100450014 has completed his/her Internship in
AIML (Name of the Intern Organization) on
(Title of the Internship) under my
supervision as a part of partial fulfillment of the requirement for the
Degree of Physics in the Department of
Gov t degree. college(Name of the College).
This is accepted for evaluation.
1
(Signatory with Date and Seal)
Endorsements
Endorsements
Faculty Guide P Scillude Leavurer  Govt. Degree College  NARASANNAPETA
Head of the Department : Phisics

Page No

GOVT. DEGREE COLLEGE NARASANNAPETA-532 421 Srikakulam Dist.

Principal

### Acknowledgements

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Agenda à

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#### Contents

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- -) Gaussia PDF kanel

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- -) sigmoid kernel k(n,y) = tan h(y, xTV+Y
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#### CHAPTER 1: EXECUTIVE SUMMARY

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Total Control

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9

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

Artificial intellique & Machine looring

another metric used for eveluating the performanance of a regression motric helps us to compose our current model with a constant besiline and tells us how much our model is better. R' is a scale-free score that implies it doesn't is a scale-free score that mother what here, the velues too small, the R' will always se less that or equal to i.

MSE or mean square error is one of the most prefficied matrics for regression, tasks

#### **CHAPTER 2: OVERVIEW OF THE ORGANIZATION**

#### Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

Accuracy used when you need a simple, cosy to unsustand metric to convey the overall pashor - wance of a classification model, it's switable for presentation at non-techinical audience or stake holder's who prioritia high level understanding avoid asing accuracy as the sole metric which dealing with imbalanced data sets, whose one class significantly out numbers the other in such cases, accuracy can be misleading and may not reflect.

Page No

#### **CHAPTER 3: INTERNSHIP PART**

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the internacquired.

Confusion matriex :
it's matrix representation of the result of any binery testing.

- 1. True positive: 6x(you have predicted the positive case correctively)
  - 2) True negative: 24 ( you have predicted correctly)
  - 3) False positive: 8 (you have predicted these people as having discell, but in octuel they do not have)
  - 4) False negative! 36 wrong prediction)

    prediction = TP

    T,2 FP

Recall = TP

#### ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day -1	Rud the altitude whet is the altitude of the a	learning about Introduction of AI SPML	
Day - 2	Not allow mis classification	under Standing	
Day - 3	Not allow Margin	bearing the Margin	
Day - 4	whet are the kernals	diescussed about kernals	
Day - 5	whet is gaussia RBF kernel	understand the concept of GR. Kennel	
Day -6	-	-	

## WEEKLY REPORT WEEK - 1 (From Dt. 12 Feb to Dt. 16 feb)

Objective of the Activity Done:
Detailed Report:
RMSE (Root Mean Square Error)
* RSALLEMSE combines the benifits of MSC's
explains on large error and MAE's simplicity
× Modulus meens positive velue
MAG (Mean absolute error)
*MAE isa measur sta avolege
Magnitude of errors blus predicted and
actual values in a saturet
MAE = 1 8/941
* MSE
-) it is linearly line
V
* Assolute velue means
1± Tralue 1
- + ve value

## WEEKLY REPORT WEEK - 9 (From Dt. 18. .... ARYTO Dt. 18. .... ARYTO

Objective of the Activity Done:
Detailed Report: Predicting rainfall is crucial for
various sectors such us on agric
-untide water son resource mange
- ment dreaster prepeledness, and
Urben planning maching learning
offerer a promising approach to
Forest rainfall platforms by analyting historical wether data and other
historical wether data and other
relevent factors
I magine a reigion heaviely.
veleventu an agreculture where
timely vailfall predictions can
significantly impact crop yield and
James Fivet livelihoods by implemen
ting a machine I coaning based reis
fall- prediction system.
<b>E</b>

#### ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In- Charge Signature
Day - 1	Traffic Ielligena	Ceaning Traffic Telligene	
Day - 2	Advanced traffic volume estimation with machine	understanding this topic	
Day -3	ocenesis and tash of traffic talligene	practiced	
Day - 4	rediction permanent regultresistant	discussing about this topic	
Day - 5	electric motor using machine Ceaning	leadning this topic	
Day -6			

#### Student Self Evaluation of the Short-Term Internship

Student Name: L. Pavan Kuma

Registration No: 2122004050019

Term of Internship: 1 ong From: 12 - 2 - 2024

To: 15-5-2024

Date of Evaluation:

Organization Name & Address:

Please rate your performance in the following areas:

Rating Scale:

Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

L. Pavankumal Signature of the Student

Evaluation by the Supervisor of the Intern Organization



Student Name: L. Pavan kuman

Registration No: 21720040 50019

Term of Internship: 1 mg From: 12-2-2024 To: 15-5-24

Date of Evaluation:

Organization Name & Address:

Name & Address of the Supervisor with Mobile Number

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's selfevaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

L, Pavan Luman Signature of the Supervisor

#### INTERNAL ASSESSMENT STATEMENT

Name Of the Student L. Pavan kuman

Programme of Study:

Year of Study: In year

Group: BS6[MP(3)

Register No/H.T. No: 21220040 50019

Name of the College: GOC-Navasannapeta

University: Dr B.R Awabed keg. university

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded	
1.	Activity Log	10	*0	
2.	Internship Evaluation	30	30	
3.	Oral Presentation	10	10	
	GRAND TOTAL	50	50	

Date:

Signature of the Faculty Guide

### EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: L. Pavan Luman

Programme of Study:

Year of Study: TI year (Mp (s)

Group: (RSC)

Register No/H.T. No: 21220045 50019

Name of the College: Cape - Nova sannap eta

University: DY . BY Ambell Ker

SLNo	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	
2.	For the grading giving by the Supervisor of the Intern Organization	20	
3.	Viva-Voce	50	
	TOTAL	150	
GRAN	D TOTAL (EXT. 50 M + INT. 100M)	200	

Signature of the Faculty Guide P. DLINDER THIER

Govt. Degree College NARASANNAPETA

Signature of the Internal Expert

Signature of the External Expert

Signature of the Principal with Seal

GOVT. DEGREE COLLEGE NARASANNAPETA-532 421 Srikakulam Dist.







## **COMMISSIONERATE OF COLLEGIATE EDUCATION**

(A Statutory Body of the Government of A.P)

## CERTIFICATE OF COMPLETION

This is to	certify	that	Ms./Mr.	: <u> </u>	Lotti P	avankum	nar	_of	B.Sc	with	Regist	ered	Hall	ticket	no.
21220040	050019	u	nder	Gove	ernmen	t Degree	Colle	ge, I	Narasan	napeta	of	Dr.	B.R.	Ambed	lkar
University	_has	succe	ssfully	comp	oleted L	ong-Term	n Inter	nship	of 240	hours	(6 mon	ths)	on _	Artifi	cial
Intelligence	& Mad	chine	Learni	ing	_Organi	ized by _	Sma	rtBri	idge Ed	ucation	al Serv	/ices	Pvt.	Ltd.	in
collaboration	with C	ommi	ssioner	rate	of Colle	giate Ed	ucatio	n							
				Ce	ertificat	e ID: EXT	-CCE	AIMI	L-19254	į					

Date: 27-Apr-2024

Place: Virtual

Amarendar Katkam

Founder & CEO

