



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
JNTUGV-UNIVERSITY COLLEGE OF ENGINEERING VIZIANAGARAM
FORMAT FOR SUBMISSION OF ACADEMIC PROJECT PROGRESS
REPORT OF B. TECH /M. TECH STUDENTS-2024 Pass outs

1. **Name of the Batch** : BATCH 1
2. **Name(s) of the students & Roll numbers** : VEERAMALLU JAYA SRI - 20VV1A0559
SORRA NETAJI SAI AKASH - 20VV1A0550
TATTIKOTA JASWANTH - 20VV1A0555
3. **Name of the Guide** : Mr.N.Venkatesh
4. **Specific field of Specialization** : PROGRAMMING AND LOGIC BUILDING
5. **Identification of the Problem** : With the evolution of language models, there arises a perspective that negates the necessity of instructing students the syntax. The contention is that if a student possesses a sound understanding of logic, they can leverage language models to generate code. Consequently, there is a proposition to reform the teaching methodology, shifting the focus from teaching syntax to emphasizing logical principles.
6. **Aim of the Work (50 Words)** : Separate Sheet Attached
7. **Methodology (50 Words)** : Separate Sheet Attached
8. **Progress of the Work** : The approach to enhance the logic has been finalized. Target statements for the division of code have been determined. Additionally, levels of difficulty are to be incorporated and integrated into the website.
9. **Literature Survey (In Progress/ Completed/ Not Completed)** : Completed
10. **Experimental setup (Required/ Not required) If yes, status** : Not Required
11. **Statis of the Analysis (50 Words)** : Separate Sheet Attached

12. Status of the Design (50 Words) : Separate Sheet Attached
13. Important results Obtained (50 Words) : Separate Sheet Attached
14. Likely date of completion : April 2024
15. No. of papers published in Journals : 0
16. No. of papers presented in Conferences : 0
17. Date of Presentation :
18. Reviewers' remarks :

SIGNATURE:
Project Guide

SIGNATURE(S)
Students
VEERAMALLU JAYA SRI -
SORRA NETAJI SAI AKASH -
TATTIKOTA JASWANTH -

SIGNATURE :
THE HEAD OF THE DEPT.

Aim of the Work (50 words):

Generating Parson Problems to improve the logic building skills. Using Distractors to introduce the levels of difficulty of problems. Evaluating the results against the testcases rather than order of target statements of code.

Methodology (50 words):

Fixing Definition of Target Statements:

Functions, Control Statements, Conditional Statements, Class Constructs, Exceptional Handling Constructs and independent statements are target statements in the code.

Adding Distractors to target statements to introduce levels of difficulty:

Adding paired and jumbled distractors to the divided target statements will introduce levels of difficulties and can classify the generated parson problem into easy, medium and hard according to the distractors.

Integration of code with the website:

Developing an interface so that learners can solve the parson problems created by our code and get the feedback after submitting it.

Status of Analysis:

We are evaluating the submission against testcases because there may be the different order of target statements which will end up in correct solution to the problem. So, evaluating against testcases will produce correct results.

Status of Design:

We are currently working on dividing the code into target statements and also working on design of the website parallelly. After division of target statements, we will start working on adding distractors to it.

Important Results obtained (50 words):

So far from our analysis we fixed the target statement definition which will improve the logic building skills of the code and designing of the web interface started.