Certificate

We hereby certify that the work which is being presented in the project report entitled, **"Open Discussion Forum" (ODF)**, in partial fulfilment of the requirements for the award of degree of Bachelor of Technology submitted in Computer Science and Engineering of Meerut Institute of Technology, Meerut, is an authentic record of our own work carried out under the supervision of "***MR. AMOL SHARMA"*** and refers other researcher's works which are duly listed in the reference section.

The matter presented in this Project has not been submitted for the award of any other degree of this or any other university.

(NEERAJ KUMAR) ***(PRAGYA RAJVANSHI)***

(SHIVIKA TYAGI) ***(VASU GARG)*** ***(VISHAL CHAUHAN)***

This is to certify that the above statement made by the candidates is correct and true to the best of my knowledge.

(MR.AMOL SHARMA)
Assistant Professor
Meerut Institute of Technology,
MEERUT.

Countersigned by

Mr. Ajai Verma
HOD - CSE
Meerut Institute of Technology,
MEERUT.

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the B. Tech Project undertaken during B. Tech. Final Year. We owe special debt of gratitude to Assistant Professor **Mr. Amol Sharma**, Department of Computer Science & Engineering, Meerut Institute of Technology and Meerut for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. It is only his cognizant efforts that our endeavors have seen light of the day.

We also take the opportunity to acknowledge the contribution of Assistant Professor **Mr. Ajai Verma** Head, Department of Computer Science & Engineering, Meerut Institute of Technology, Meerut for his full support and assistance during the development of the project.

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind assistance and cooperation during the development of our project. Last but not the least, we acknowledge our friends for their contribution in the completion of the project.

Signature:
Name: Neeraj Kumar
Roll No.: 1329210050
Date:

Signature:
Name: Pragya Rajvanshi
Roll No.: 1329210057
Date:

Signature:
Name: Shivika Tyagi
Roll No.: 1329210069
Date:

Signature:
Name: Vasu Garg
Roll No.: 1329210078
Date:

Signature:
Name: Vishal Chauhan
Roll No: 1329210079
Date:

ABSTRACT

It is a question-and-answer site where questions are asked, answered, edited and organized by its community of users. It requires users to register with their real names rather than an Internet pseudonym (screen name), and visitors unwilling to log in or use cookies have had to resort to workarounds to use the site. Users may also log in with their Google or Facebook accounts using the Open ID protocol. They can up vote or down vote answers, and suggest edits to extant answers provided by other users. It community includes some well-known people.

It has developed its own algorithm to rank answers, which works similarly to Google Page Rank. It uses Amazon Elastic Compute Cloud technology to host the servers that run its website t it was possible for acquaintances and followers to see his activity including which questions he had looked at. In response, it stopped showing question views in feeds later that month. By default, it exposes its use Content is removed if it doesn't meet its guidelines, and unanswered questions remain on the site until someone responds. "The topics that are popular typically reflect the kinds of information that people are looking for. We think there's a lot of knowledge that is still in people's heads that hasn't really been written down on the internet in a useful format, including their real names, to search engines.

The layout of the site is very similar to Facebook and Twitter, which D'Angelo believes is intentional. "I think if you see similarities to Facebook, a lot of it has to do with the fact that we're both building products that people use with their friends. User must provide their real names to both ask and answer questions. "We're focused on getting really high quality answers, and we're really just trying to build a high quality knowledge base over time. People contribute to that by adding whatever knowledge they have and things they know about better than other people. Users can vote on the answer they believe is best and search for questions before they ask one. We try hard to avoid duplicate questions. If you're someone who's going to come along and write an answer, we want there to be only one place for you to write that answer

TABLE OF CONTENTS

CERTIFICATE	i
ACKNOWLEDGEMENT	ii
ABSTRACT	iii
LIST OF TABLES	v
LIST OF FIGURES	viii
CHAPTER 1: INTRODUCTION	1-2
1.1 Background of the Problem	1
1.2 Statement of the Problem	2
1.3 About the Project	2
1.4 Objectives	2
CHAPTER 2: SOFTWARE REQUIEMENT SPECIFICATION	3-22
2.1 Analysis Model	3-5
2.2 Study of the System	5-7
2.3 User Interface	7
2.4 Software Requirement	7-18
2.5 Hardware Requirement	18-22
CHAPTER 3: FEASIBILITY STUDY	23-24
3.1 Technical Feasibility	23
3.2 Operational Feasibility	24
3.3 Economic Feasibility	24
CHAPTER 4: SYSTEM DESIGN	25-32
4.1 Activity Diagram	26
4.2 Use Case Diagram	27
4.3 Data Flow Diagrams	28-30
4.4 ER Diagrams	31-32
CHAPTER 5: TESTING	33-43
5.1 About Testing	33
5.2 Test Cases for each Module	34-43
CHAPTER 6: SNAPSHOTS	44-53
CHAPTER 7: CONCLUSION	54-55
CHAPTER 8: APPENDIX	56-59
CHAPTER 9: REFRENCES	60

LIST OF TABLES

S.NO.	Table No.	TABLE NAME	PAGE NO.
1.	5.2.1	TEST CASE FOR TECHAR LOGIN	34
2.	5.2.2	TEST CASE FOR STUDENT LOGIN	34
3.	5.2.3	TEST CASE FOR LOGIN (RE-EXECUTION)	35
4.	5.2.4	TEST CASE FOR LOGIN (RE-EXECUTION)	35
5.	5.2.5	TEST CASE FOR QUESTION POSTING	36
6.	5.2.6	TEST CASE FOR QUESTION RETRIEVAL	37
7.	5.2.7	TEST CASE FOR UPVOTE BUTTON	37
8.	5.2.8	TEST CASE FOR PROFILE BUTTON	38
9.	5.2.9	TEST CASE FOR PROFILE BUTTON (OTHER USER)	38
10.	5.2.10	TEST CASE FOR QUESTION TAB IN PROFILE	39
11.	5.2.11	TEST CASE FOR ANSWER TAB IN PROFILE	39
12.	5.2.12	TEST CASE FOR FOLLOWING TAB IN PROFILE	40
13.	5.2.13	TEST CASE FOR FOLLOWER TAB IN PROFILE	40
14.	5.2.14	TEST CASE FOR ASSIGNMENT TAB IN PROFILE	41
15.	5.2.15	TEST CASE FOR ASSIGNMENT TAB IN PROFILE	41
16.	5.2.16	TEST CASE FOR ASSIGNMENT SUBMISSION	42
17.	5.2.17	TEST CASE FOR ASSIGNMENT SOLUTIONS	42

18. 5.2.18 TEST CASE FOR VIEWING ASSIGNMENT SOLUTIONS 43

LIST OF FIGURES

S.NO	FIGURE NO.	FIGURE TITLE	PAGE NO.
1.	4.1.1	ACTIVITY DIAGRAM	26
2.	4.2.1	USE CASE DIAGRAM	27
3.	4.3.1	0 LEVEL DFD	28
4.	4.3.2	1 LEVEL DFD FOR TEACHERS	29
5.	4.3.3	1 LEVEL DFD FOR STUDENTS	30
6.	4.3.3	RELATIONAL MODEL	31
7.	6.1	SIGNUP FORM	44
8.	6.2	MAIL VERIFICATION OF USER	45
9.	6.3	SUCCESSFUL VERIFICATION OF USER	45
10.	6.4	LOGIN FORM	46
11.	6.5	CHANGE PASSOWRD FORM	46
12.	6.6	PASSWORD CHANGE MAIL VERIFICATION	47
13.	6.7	RESET PASSWORD	47
14.	6.8	DOMAIN SELECTION	48
15.	6.9	QUESTION POST FORM	48
16.	6.10	HOME PAGE	49
17.	6.11	PROFILE PAGE	49
18.	6.12	ANOTHER USER PROFILE PAGE	50

19.	6.13	.QUESTION POSTED BY USER	50
20.	6.14	ANSWER POSTED BY USER	51
21.	6.15	POSTING ANSWER	51
22.	6.16	ASSIGNMENT SUBMISSION VIEW FOR STUDENTS	52
23.	6.17	ASSIGNMENT SOLUTION UPLOADING	52
24.	6.18	ASSIGNMENT UPLOADING VIEW FOR TEACHERS	53
25.	A.1	ANSWER TABLE (answer)	56
26.	A.2	ASSIGNMENT TABLE (assignment)	56
27.	A.3	DEPARTMENT TABLE (department)	56
28.	A.4	DOMAIN TABLE (domain)	57
29.	A.5	DOMAIN SELECTED BY USER (domain_user)	57
30.	A.6	FOLLOW TABLE (follower)	57
31.	A.7	NOTIFICATION TABLE (notification)	58
32.	A.8	QUESTION TABLE (question)	58
33.	A.9	ASSIGNMENT SUBMISSION TABLE (submission)	59
34.	A.10	UPVOTE QUESTION TABLE (upvote)	59
35.	A.11	USER TABLE (user)	59