

ENGLISH FOR RESEARCH PAPER WRITING

(GR20D5152)

I - M. Tech – I Semester

Academic Year: 2021 - 2022

Mr. M ARAVINDA KUMAR
ASSISTANT PROFESSOR



Department of Civil Engineering

Gokaraju Rangaraju Institute of Engineering and Technology

Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

COURSE FILE Enclosures

1. Time Table
2. Syllabus copy for your course.
3. Course Plan
4. Unit Plan and
5. Lesson Plan
6. List of Program Objectives & Outcomes;
7. Course Objectives & Outcomes
8. List of various Mappings/Matrix for your Course
 - a. Mapping between Course Objectives and Course Outcomes
 - b. Mapping between Course Objectives and Program Outcomes(POs)
 - c. Mapping between Course Outcomes and Mandatory/Program Outcomes(POs)
 - d. Mapping between Courses with titles & codes and Mandatory/Program Outcomes(POs)
 - e. Mapping between the PEOs and Course Outcomes
 - f. Mapping between POs and Assignments and Assessments Methods
 - g. Mapping between the Assessment Methods and PEOs
9. List of Assessments, Assignments/Seminar Topics, Projects, Experiments, etc. you have given to students and the Criteria used for evaluation
10. Assignment sheets,
11. Tutorial Sheets, and
12. Course Schedules
13. At least 1 to 3 Assessment Rubrics for your course
14. Evaluation Strategy
15. Guidelines to study the course
16. Students Roll lists (Both Sections)
17. Attach the Marks list of the students in respect of CAE -I (Continuous Assessment Exam),CAE-II, etc. and Final Exam for this Course in your course File.
18. Photocopy of the best, average and the worst answer sheets for CAE-I, & CAE-II be included in the Course File.
19. Model question papers if any, which you have distributed to the students in the beginning of the Semester for the Course may be included in the Course File.
20. Any Teaching/Learning Aids, additional resources like OHP transparencies, LCD Projection material, Soft & Hard Copies of handouts used may also be filed in it.
21. Course Completion Status
22. Grading Sheet of the Course for all students



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Technology(Autonomous)**
Bachupally, Kukatpally, Hyderabad – 500 090, T.S., India. (040) 6686 4440

TIME TABLE

Academic Year : 2021-2022

Year : I

Semester : I

Name of the Program: M.Tech

Course/Subject: ERPW

Course Code: GR20D5152

Name of the Faculty : M. Aravinda Kumar

Dept.:STE

Designation: Assistant Professor

	9.00 AM To 10.00 AM	10.00 AM To 11.00 AM	11.00 AM To 12.30 PM	12.30 PM To 01.00 PM	1.00 PM To 2.00 PM	2.00 PM To 3.00 PM	3.00 PM To 4.00 PM
MON				L U N C H			
TUE	ERPW						
WED							
THU							
FRI							
SAT							



ENGLISH FOR RESEARCH PAPER WRITING Course Code: GR20D5152 L/T/P/C: 2/0/0/2

Course objectives

- To state how to put research on paper.
- To demonstrate how to write an abstract.
- To apply the process of research.
- To appraise the key skills involved in writing the title, abstract, introduction and review of literature.
- To compose a paper that is good and has the qualities of acceptance and publication.

Course Outcomes

- Will be able to understand how to write a research paper.
- Will outline the drafting of an abstract.
- Will acquire the skills of various elements of research.
- Will be in a position to write a good paper.
- Will result in increasing the chance of publication.

Unit I: Planning and Preparation, Word Order, Breaking up long sentences, Structuring Paragraphs and Sentences, Being Concise and Removing Redundancy, Avoiding Ambiguity and Vagueness.

Unit II: Clarifying Who Did What, Highlighting Your Findings, Hedging and Criticising, Paraphrasing and Plagiarism, Sections of a Paper, Abstracts, Introduction.

Unit III: Review of the Literature, Methods, Results, Discussion, Conclusions, The Final Check.

Unit IV: Key skills are needed when writing a Title, key skills are needed when writing an Abstract, key skills needed when writing an Introduction, skills needed when writing a Review of the Literature.

Unit V: Skills are needed when writing the Methods, skills needed when writing the Results, skills are needed when writing the Discussion, skills are needed when writing the Conclusion. Useful phrases, how to ensure paper is as good as it could possibly be the first-time submission.

Reference Books

1. Goldbort R (2006) Writing for Science, Yale University Press (available on GoogleBooks)
2. Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press
3. Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM. Highman's book.
4. Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg London, 2011.

ENGLISH FOR RESEARCH PAPER WRITING Course Code: GR18D5207 L/T/P/C: 2/0/0/2

Course objectives

- **To state how to put research on paper.**
- **To demonstrate how to write an abstract.**
- **To apply the process of research.**
- **To appraise the key skills involved in writing the title, abstract, introduction and review of literature.**
- **To compose a paper that is good and has the qualities of acceptance and publication.**

Course Outcomes

- **Will be able to understand how to write a research paper.**
- **Will outline the drafting of an abstract.**
- **Will acquire the skills of various elements of research.**
- **Will be in a position to write a good paper.**
- **Will result in increasing the chance of publication.**



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**SCHEDULE OF INSTRUCTIONS
COURSE PLAN**

Academic Year : 2021-2022

Semester : I

UNIT NO.: I TO V

Name of the Program: M.Tech STE

Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.:STE

Designation :Assistant Professor

Unit No.	Lesson No.	Date	No. of Periods	Topics / Sub-Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1.	1.	18-12-2021	1	Unit – I Planning and preparation,	1 & 1	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg
	2.	18-12-2021	1	Breaking up of long sentences	1 & 1	
	3.	18-12-2021	1	Being concise and removing redundancy	1 & 1	

	4.	08-01-02022	1	Structuring paragraph and sentences	1 & 1	
	5.	08-01-02022	1	Avoiding ambiguity and vagueness	1 & 1	
	6.	08-01-02022	1	Clarifying who did what	1 & 1	
2	7	22-01-2022	1	Unit - II Highlighting one's findings	2 & 2	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg
	2	22-01-2022	2	Hedging and criticizing	2 & 2	
	3	22-01-2022	2	Paraphrasing with suitable examples	2 & 2	
	4	29-01-2022	X	Sections of a paper	2 & 2	
	5	05-02-2022	1	Abstracts	2 & 2	
	6	19-02-2022	1	Introduction	2 & 2	

3.	1.	05-03-2022	1	Unit- III Review of the Literature	3 & 3	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University
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						Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg
	2.	05-03-2022	1	Methods	3 & 3	
	3.	12-03-2022	1	Results	3 & 3	
	4.	19-03-2022	1	Discussions	3 & 3	
	5.	19-03-2022	2	Conclusions	3 & 3	
	6.	26-03-2022	2	Final Check	3 & 3	
4.	1.	02-04-2022	2	Unit IV Key skills needed when writing a Title	4 & 4	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg
	2.	02-04-2022	1	Key skills needed when writing an abstract	4 & 4	
	3.	09-04-2022	1	Key skills needed when writing an introduction	4 & 4	
	4.	16-04-2022	1	Key skills needed when writing a Review of the Literature	4 & 4	

5.	1.	23-04-2022	1	Unit-V Skills needed when writing the	5 & 5	Goldbort R (2006) Writing for Science, Yale University Press (available on Google
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				methods		Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg
	2.	23-04-2022	1	Skills needed when writing the results	5 & 5	
	3.	23-04-2022	1	Skills needed when writing the discussions	5 & 5	
	4.	30-04-2022	1	Skills needed when writing the conclusions	5 & 5	

Signature of HOD

Signature of faculty

Date:

Date:

Note: 1. ENSURE THAT ALL TOPICS SPECIFIED IN THE COURSE ARE MENTIONED.
2. ADDITIONAL TOPICS COVERED, IF ANY, MAY ALSO BE SPECIFIED IN BOLD
3. MENTION THE CORRESPONDING COURSE OBJECTIVE AND OUT COME NUMBERS AGAINST EACH TOPIC.



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**SCHEDULE OF INSTRUCTIONS
UNIT PLAN**

Academic Year : 21-22

Semester : I

UNIT NO.: I

Name of the Program: M.Tech Year: I

Course/Subject: English for Research Paper Writing

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor.

Lesson No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1	18-12-2021	1	Planning and preparation, word order	1 & 1	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht
2	18-12-2021	1	Breaking up of long sentences	1 & 1	
3	08-01-2022	1	Structuring paragraph and sentences	1 & 1	
4	08-01-2022	1	Being concise and removing redundancy	1 & 1	
5	08-01-2022	1	Avoiding ambiguity and vagueness	1 & 1	
6	08-01-2022	1	Clarifying who did what	1 & 1	

Signature of HOD

Signature of faculty

Date:

Date:



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**SCHEDULE OF INSTRUCTIONS
UNIT PLAN**

Academic Year : 2021-22

Semester : I

UNIT NO.: II

Name of the Program: M.Tech Year: I

Course/Subject: English for Research Paper Writing

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1	22-01-2022	1	Highlighting one's findings	2 & 2	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht
2	22-01-2022	1	Hedging and criticising	2 & 2	
3	29-01-2022	1	Paraphrasing with suitable examples	2 & 2	
4	29-01-2022	1	Sections of a paper	2 & 2	
5	05-02-2022	1	Abstracts	2 & 2	
6	19-02-2022	1	Introduction	2 & 2	

Signature of HOD

Signature of faculty

Date:

Date:



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**SCHEDULE OF INSTRUCTIONS
UNIT PLAN**

Academic Year : 2021-2022

Semester : I

Name of the Program: M.Tech(Structural Engineering)

Course/Subject: English for Research Paper Writing

Name of the Faculty: M. Aravinda Kumar

Designation: Assistant Professor

UNIT NO.: III

Year: I

Course Code: **GR20D5152**

Dept.: **Civil Engineering (STE)**

Lesson No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1	05-03-2022	1	Review of the Literature	3 & 3	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht
2	05-03-2022	1	Methods	3 & 3	
3	12-03-2022	1	Results	3 & 3	
4	19-03-2022	1	Discussions	3 & 3	
5	19-03-2022	1	Conclusions	3 & 3	
6	26-03-2022	1	Final Check	3 & 3	

Signature of HOD

Signature of faculty

Date:

Date:



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**SCHEDULE OF INSTRUCTIONS
UNIT PLAN**

Academic Year : 2021-22

Semester : I

Name of the Program: M.Tech(Structural Engineering)

Course/Subject: English for Research Paper Writing

Name of the Faculty: M Aravinda Kumar

Designation: ASST.PROFESSOR.

UNIT NO.: IV

Year: I

Course Code: **GR20D5152**

Dept.: **Civil Engineering (STE)**

Lesson No.	Date	No. of Periods	Topics / Sub - Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1	02-04-2022	1	Key skills needed when writing a Title	4 & 4	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht
2	02-04-2022	1	Key skills needed when writing an abstract	4 & 4	
3	09-04-2022	1	Key skills needed when writing an introduction	4 & 4	
4	16-04-2022	1	Key skills needed when writing a Review of the Literature	4 & 4	

Signature of HOD

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Date:

Date:



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**SCHEDULE OF INSTRUCTIONS
UNIT PLAN**

Academic Year : 2021-2022

Semester : I

Name of the Program: M.Tech(Structural Engineering)

Course/Subject: English for Research Paper Writing

Name of the Faculty: M. Aravinda Kumar

Designation: Assistant Professor

UNIT NO.: V

Year: I

Course Code: **GR20D5152**

Dept.: **Civil Engineering (STE)**

Lesson No.	Date	No. of Periods	Topics / Sub – Topics	Objectives & Outcomes Nos.	References (Text Book, Journal...) Page Nos.: ____ to ____
1	23.04.2022	1	Skills needed when writing the methods, useful phrases, first draft	5 & 5	Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books) Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM, Highman's book Ian Wallwork, English for Writing Research Papers, Springer New York Dordrecht
2	23.04.2022	1	Skills needed when writing the results	5 & 5	
3	23.04.2022	1	Skills needed when writing the discussions	5 & 5	
4	30.04.2022	1	Skills needed when writing the conclusions	5 & 5	

Signature of HOD

Signature of faculty

Date:

Date:



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LESSON PLAN

Academic Year : 20-21

Date:

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty. M. Aravinda Kumar Dept.: Civil Engineering (STE)

Designation: Assistant Professor.

Lesson No: 1

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1 understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Word order

Assignment / Questions: (1 & 1) 1. Arrange the given words into meaningful sentences.

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 2

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Breaking up of long sentences

Assignment / Questions: (1 & 1) 1. Arrange the given words into meaningful sentences.

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 2

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Structuring paragraph and sentences

Assignment / Questions: (1 & 1) 1. Structure a paragraph using the given points

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 4

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

I understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Being concise and removing redundancy

Assignment / Questions: (1 & 1) 1. Locate the redundant words in the given paragraph.

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 5

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Avoiding ambiguity and vagueness

Assignment / Questions: (1 & 1) 1. Rewrite the given paragraph avoiding ambiguity and vagueness.

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I **Unit – I**
Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 6 Duration of Lesson: 1hr

Lesson Title:
INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. understand how to write a research paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Clarifying who did what

Assignment / Questions: (1 & 1) 1. How to avoid plagiarism?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 7

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Highlighting one's findings

Assignment / Questions: (2 & 2) 1. How to avoid plagiarism?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 8

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Hedging and criticising

Assignment / Questions: (2 & 2) 1. Explain The term” Hedging”?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Semester : I

Unit – I

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 9 Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Paraphrasing with suitable examples

Assignment / Questions: (2 & 2) 1. Paraphrase the given extract

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Date:

Semester : I

Unit – II

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1 outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Sections of a paper

Assignment / Questions: (2 & 2) 1. Name the different sections of a paper

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 20-21

Date:

Semester : I
Name of the Program: M.Tech Year: I

Unit – II

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 11

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Abstracts

Assignment / Questions: (2 & 2) 1. Define abstract. How to write an abstract?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



**Gokaraju Rangaraju Institute of Engineering and Technology
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LESSON PLAN

Academic Year : 20-21
Semester : I
Name of the Program: M.Tech Year: I

Date:
Unit – II

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 12

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. outline the drafting of an abstract

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Introduction

Assignment / Questions: (2 & 2) 1. What is the purpose of an introduction?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Semester : I Unit – II
Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**

Name of the Faculty: M Aravinda Kumar Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 13

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Review of the Literature

Assignment / Questions: (3 &3) 1. What is the objective of review of literature?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – III

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 14

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Methods

Assignment / Questions: (3 &3) 1. What are skills needed to write a methods?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – III

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 15

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1 acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Results

Assignment / Questions: (3 &3) 1. How to present the result of a research?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – III

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 16

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Discussions

Assignment / Questions: (3 &3) 1. Explain the skills needed when the discussion of a research is to be written.

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – III

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 17

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Conclusions

Assignment / Questions: (3 &3) 1. How can a conclusion be written effectively?

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – III

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 18

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. acquire the skills of various elements of research

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Final Check

Assignment / Questions: (3 &3) 1. How to do the final check of a research paper

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – IV

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 19

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. write a good paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Key skills needed when writing a Title

Assignment / Questions: (4 &4) 1. How to select a good title for a research paper

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – IV

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 20

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1 write a good paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Key skills needed when writing an abstract

Assignment / Questions: (4 &4) 1. Explain the key skills needed in writing an abstract

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – IV

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 21

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. write a good paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Key skills needed when writing an introduction

Assignment / Questions: (4 &4) 1. Explain the key skills needed in writing an introduction

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I
Name of the Program: M.Tech Year: I

Unit – IV

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 22

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1 write a good paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Key skills needed when writing a Review of the Literature

Assignment / Questions: (4 &4) 1. Explain the key skills needed in writing areview of literature

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I

Unit – V

Name of the Program: M.Tech Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 23

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. increase the chance of publication of their paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Skills needed when writing the methods

Assignment / Questions: (5 & 5) 1. Explain the key skills needed in writing the methods

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I
Name of the Program: M.Tech Year: I

Unit – V

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 24

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. increase the chance of publication of their paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Skills needed when writing the results

Assignment / Questions: (5 & 5) 1. Explain the key skills needed to write the results

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I
Name of the Program: M.Tech Year: I

Unit – V

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 25

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. increase the chance of publication of their paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Skills needed when writing the discussions

Assignment / Questions: (1 & 1) 1. Explain the key skills needed write the discussions
(5 & 5)

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



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LESSON PLAN

Academic Year : 2020-21

Date:

Semester : I
Name of the Program: M.Tech Year: I

Unit – V

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering (STE)**

Designation: Assistant Professor

Lesson No: 26

Duration of Lesson: 1hr

Lesson Title:

INSTRUCTIONAL/LESSON OBJECTIVES:

On completion of this lesson the student shall be able to:

1. increase the chance of publication of their paper

TEACHING AIDS : white board, markers, LCD projector, U Tube videos, journals

TEACHING POINTS :

- Skills needed when writing the conclusions

Assignment / Questions: (5 & 5) 1. Explain the key skills needed to write the conclusions

Signature of faculty

Note: Mention for each question the relevant Objectives and Outcomes Nos.



**Gokaraju Rangaraju Institute of Engineering and Technology(Autonomous)
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Vision

To become a pioneering centre in Civil Engineering and technology with attitudes skills and knowledge.

Mission

M1: To produce well qualified and talented engineers by imparting quality education.

M2: To enhance the skills of entrepreneurship, innovativeness , management and life long learning in youngengineers

M3: To inculcate professional ethics and make socially responsible engineers.

Programme Educational Objectives (PEOs)

PEO1: Graduates of the program will equip with professional expertise on the theories, process, methods and techniques for building high-quality structures in a cost-effective manner.

PEO2: Graduates of the program will be able to design structural components using contemporary softwares and professional tools with quality practices of international standards.

PEO3: Graduates of the program will be effective as both an individual contributor and a member of a development team with professional, ethical and social responsibilities.

PEO4: Graduates of the program will grow professionally through continuing education, training, research, and adapting to the rapidly changing technological trends globally in structural engineering.

Programme Outcomes(POs)

PO 1: An ability to independently carry out research / investigation and development to solve practical problems

PO 2: An ability to write and present a substantial technical report / document.

PO 3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor's.

PO 4: Assess the impact of professional engineering solutions in an environmental context along with societal, health, safety, legal, ethical and cultural issues and the need for sustainable development.

PO 5: Possesses critical thinking skills and solves core, complex and multidisciplinary structural engineering problems.

PO 6: Recognize the need for life-long learning to improve knowledge and competence.

ENGLISH FOR RESEARCH PAPER WRITING Course Code: GR20D5152 L/T/P/C: 2/0/0/2

Course objectives

- **To state how to put research on paper.**
- **To demonstrate how to write an abstract.**
- **To apply the process of research.**
- **To appraise the key skills involved in writing the title, abstract, introduction and review of literature.**
- **To compose a paper that is good and has the qualities of acceptance and publication.**

Course Outcomes

- **Will be able to understand how to write a research paper.**
- **Will outline the drafting of an abstract.**
- **Will acquire the skills of various elements of research.**
- **Will be in a position to write a good paper.**
- **Will result in increasing the chance of publication.**



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COURSE OBJECTIVES

Academic Year : 2021 - 22

Semester : I

Name of the Program: M.Tech Structural Engineering Year: I year - I Sem

Course/Subject: ENGLISH FOR RESEARCH PAPER WRITING
Course Code: GR20D5152

Name of the Faculty: MR. M. ARAVINDA KUMAR Dept.: Civil Engineering

Designation: ASSISTANT PROFESSOR

S.No	Objectives
1	To state how to put up a research on paper.
2	To demonstrate how to write an abstract.
3	To apply the process of research.
4	To appraise the key skills involved in writing the title, abstract, introduction and review of literature
5	To compose a paper that is good and has the qualities of acceptance and publication.

Signature of HOD

Signature of faculty

Date:

Date:



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COURSE OUTCOMES

Academic Year : 2021 - 22

Semester : I

Name of the Program: M.Tech Structural Engineering

Year: I year - I Sem

Course/Subject: ENGLISH FOR RESEARCH PAPER WRITING

Course Code: GR20D5152

Name of the Faculty: MR. M. ARAVINDA KUMAR

Dept.: Civil Engineering

Designation: ASSISTANT PROFESSOR

S.No	Objectives
1	Will be able to understand how to write a research paper.
2	Will outline the drafting of an abstract.
3	Will acquire the skills of various elements of research.
4	Will be in a position to write a good paper.
5	Will result in increasing the chance of publication

Signature of HOD

Signature of faculty

Date:

Date:



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COURSE OBJECTIVES

Academic Year : 2021-22

Semester : I

Name of the Program: M.Tech Year: I

Course/Subject: English for Research Paper Writing

Course Code: **GR20D5152**

Name of the Faculty M. Aravinda Kumar

Dept.:STE

Designation: Assistant Professor

On completion of this Subject/Course the student shall be able to:

S.No	Objectives
1	State how to put research paper
2.	Demonstrate how to write an abstract
3	.Apply the process of research
4	Appraise the key skills involved in writing the title, abstract, introduction, and review of literature
5	Compose a paper which is good and has the qualities of acceptance and publication

Signature of HOD

Signature of faculty

Date:

Date:

Note: Please refer to Bloom's Taxonomy, to know the illustrative verbs that can be used to state the objectives.



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COURSE OUTCOMES

Academic Year : 2021-2022

Semester : I

Name of the Program: M.Tech Year: I

Course/Subject: ERPW

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: STE

Designation: Assistant Professor.

The expected outcomes of the Course/Subject are:

S.No	Outcomes
1	Students will be able to understand how to write a research paper
2	Students will be able to outline the drafting of an abstract
3	Students will be able to acquire the skills of various elements of research
4	Students will be in a position to write a good paper
5	It will result in increasing the chance of publication

Signature of HOD

Signature of faculty

Date:

Date:

Note: Please refer to Bloom's Taxonomy, to know the illustrative verbs that can be used to state the outcomes.

GR20D5152 English for Research Paper Writing	Course Outcomes				
Course Objectives	1	2	3	4	5
1	H				
2		H			
3			H		
4				M	
5					M
6					M

GR20D5152 English for English for Research Paper Writing	Course Outcomes				
Assessment	1	2	3	4	5
1	H				
2		M			
3			M		
4				M	
5					M
6					M



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Course Name: ENGLISH FOR RESEARCH PAPER WRITING CODE:GR20D5152

Course Objectives

1	State how to put research paper
2.	Demonstrate how to write an abstract
3	.Apply the pricess of research
4	Appraise the key skills involved in writing the title, abstract, introduction,and review of literature
5	Compose a paper which is good and has the qualities of acceptance and publication

Course Outcomes

1	Students will be able to understand how to write a research paper
2	Students will be able to outline the drafting of an abstract
3	Students will be able to acquire the skills of various elements of research
4	Students will be in a position to write a good paper
5	It will result in increasing the chance of publication

Assessment criteria

1. Answer must be with a proper introduction, coherence and conclusion.
2. Correct usage of grammar, spelling and vocabulary.
3. Content must be relevant to the question.
4. Right usage of pronunciation and proper body language.

Assignments and Assessment

1. Reading and Listening comprehension exercises.
2. Classroom assessment techniques:
 - a. Students are given a task to express themselves using their own words.
 - b. Students are provided with situational cue and expected to compose their own responses.
3. The Assignment sheets for testing grammar and vocabulary.
4. Written tests clearly linked with learning objectives.
5. Assignments, reports and tests in the capstone (team/group) design course.

Course Objectives-Course Outcomes Relationship Matrix (Indicate the relationships by mark “X”)

Course-Outcomes Course-Objectives	1	2	3	4	5
1	H	H	H	H	H
2	H	H	H	H	H
3	H	H	H	H	H
4	H	H	H	H	H
5	H	H	H	H	H

2.Course Objectives-Program Outcomes(POs) Relationship Matrix

P-Outcomes C-Objectives	1	2	3	4	5	6
1	M	H	M	M		H
2		H			M	H

3	M	M	M	H	H	M
4	M	M		M	M	M
5	M	M	M	M	M	M

3.Course Outcomes-Program Outcomes(POs) Relationship Matrix
(Indicate the relationships)

P-Outcomes C-Outcomes	1	2	3	4	5	6
1	M	H		H	M	H
2	M	M	M	M	M	H
3	H	M	M		H	H
4	M	M	M	M	M	H
5	H	H	M	H	H	H

4.Courses (with title & code)-Program Outcomes (POs) Relationship Matrix (Indicate the relationship)

P-Outcomes Courses	1	2	3	4	5	6
ERPW GR18D5207	H	H	M	H	M	H

5.Program Educational Objectives (PEOs)-Course Outcomes Relationship Matrix (Indicate the relationship)

P-Objectives (PEOs) Course-Outcomes	1	2	3	4
----------------------------------------	---	---	---	---

1	H	M	H	H
2	M	M	M	H
3	H	H	H	H
4	H	H	H	H
5	H	H	H	H

6. Assignments & Assessments-Program Educational Objectives (PEOs) Relationship Matrix (Indicate the relationships)

PEOs	1	2	3	4
Assessments				
1	H	H	H	H
2	H	H	H	H
3	H	H	H	H
4	H	H	H	H
5	H	H	H	H

7. Program Outcomes -Assessment Methods Relationship Matrix (Indicate the relationship)

P-Outcomes	1	2	3	4	5	6
Asst.Methods						
1	H	M	M	H	M	M
2	H	M	M	M	M	H
3	H	M	M	M	H	H
4	H	H	H	M	H	H
5	H	M	M	M		M



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Course Name: ENGLISH FOR RESEARCH PAPER WRITING

Course Objectives

1	State how to put research paper
2.	Demonstrate how to write an abstract
3	.Apply the process of research
4	Appraise the key skills involved in writing the title, abstract, introduction, and review of literature
5	Compose a paper which is good and has the qualities of acceptance and publication

Course Outcomes

1	Students will be able to understand how to write a research paper
2	Students will be able to outline the drafting of an abstract
3	Students will be able to acquire the skills of various elements of research
4	Students will be in a position to write a good paper
5	It will result in increasing the chance of publication

3.Course Outcomes-Program Outcomes(POs) Relationship Matrix (Indicate the relationships by mark H/M”)

P-Outcomes C-Outcomes	1	2	3	4	5	6
1	M	H		H	M	H
2	M	M	M	M	M	H
3	H	M	M		H	H
4	M	M	M	M	M	H
5	H	H	M	H	H	H

4.Courses (with title &` code)-Program Outcomes (POs) Relationship Matrix
(Indicate the relationships by mark “H/M”)

P-Outcomes Courses	1	2	3	4	5	6
Pedagogy Studies GR20D5157	H	H	M	H	M	H

5.Program Educational Objectives (PEOs)-Course Outcomes Relationship Matrix
(Indicate the relationships by mark “H/M”)

P-Objectives (PEOs) Course-Outcomes	1	2	3	4
1	H	M	H	H
2	M	M	M	H
3	H	H	H	H
4	H	H	H	H
5	H	H	H	H

6. Assignments & Assessments-Program Educational Objectives (PEOs) Relationship Matrix (Indicate the relationships by mark “H/M”)

PEOs \ Assessments	1	2	3	4
1	H	H	H	H
2	H	H	H	H
3	H	H	H	H
4	H	H	H	H
5	H	H	H	H

7. Program Outcomes -Assessment Methods Relationship Matrix (Indicate the relationships by mark “H/M”)

P-Outcomes \ Asst.Methods	1	2	3	4	5	6
1	H	M	M	H	M	M
2	H	M	M	M	M	H
3	H	M	M	M	H	H
4	H	H	H	M	H	H
5	H	M	M	M		M



**Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)**

Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

ASSIGNMENT - 1

Academic Year : 2021 - 22

Semester : I

Name of the Program: M. Tech Structural Engineering Year: II year

Course/Subject: Cost Management of Engineering Projects

Course Code: GR20D5146

Name of the Faculty: Mr. Akula Prakash

Dept.: Civil Engineering

Designation: Assistant Professor

This Tutorial corresponds to Unit No. / Lesson: One

1. Write a Brief note on Strategic cost Management in Engineering Projects
2. Write a short note on Differential cost, Incremental cost, Opportunity cost.

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the Objectives/Outcomes to which these Questions / Problems / Exercises are related.

Objective Nos.: 1

Outcome Nos.: 1

Signature of HOD

Signature of faculty

Date:

Date:



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)
Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

ASSIGNMENT - 2

Academic Year : 2021 - 22

Semester : I

Name of the Program: M. Tech Structural Engineering Year: II year

Course/Subject: Cost Management of Engineering Projects

Course Code: GR20D5146

Name of the Faculty: Mr. Akula Prakash

Dept.: Civil Engineering

Designation: Assistant Professor

This Tutorial corresponds to Unit No. / Lesson: Two

1. Write a short notes on
 - i) Project Team
 - ii) Role of Each member in Project Team
2. Explain the importance of Bar Charts and Network Diagrams representation in Project Planning and Scheduling
3. Explain the strategies for successful project completion
4. Discuss the cost concepts in decision making

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the Objectives/Outcomes to which these Questions / Problems / Exercises are related.

Objective Nos.: 2

Outcome Nos.: 2

Signature of HOD

Date:

Signature of faculty

Date:



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)
Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

ASSIGNMENT - 3

Academic Year : 2021 - 22

Semester : I

Name of the Program: M. Tech Structural Engineering Year: II year

Course/Subject: Cost Management of Engineering Projects

Course Code: GR20D5146

Name of the Faculty: Mr. Akula Prakash

Dept.: Civil Engineering

Designation: Assistant Professor

This Tutorial corresponds to Unit No. / Lesson: Three

1. Write a short note on
 - i) Break-even Analysis
 - ii) Cost-Volume-Profit Analysis
2. Explain Life Cycle costing and mention its importance in Cost behaviour aspects

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the Objectives/Outcomes to which these Questions / Problems / Exercises are related.

Objective Nos.: 3

Outcome Nos.: 3

Signature of HOD

Signature of faculty

Date:

Date:



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)
Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

ASSIGNMENT - 4

Academic Year : 2021 - 22

Semester : I

Name of the Program: M. Tech Structural Engineering Year: II year

Course/Subject: Cost Management of Engineering Projects

Course Code: GR20D5146

Name of the Faculty: Mr. Akula Prakash

Dept.: Civil Engineering

Designation: Assistant Professor

This Tutorial corresponds to Unit No. / Lesson: Four

1. Differentiate between Performance Budget and Zero-Based Budget
2. Identify the application of decision-making theories in Budgetary control

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the Objectives/Outcomes to which these Questions / Problems / Exercises are related.

Objective Nos.: 4

Outcome Nos.: 4

Signature of HOD

Date:

Signature of faculty

Date:



Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)
Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

ASSIGNMENT - 5

Academic Year : 2021 - 22

Semester : I

Name of the Program: M. Tech Structural Engineering Year: II year

Course/Subject: Cost Management of Engineering Projects

Course Code: GR20D5146

Name of the Faculty: Mr. Akula Prakash

Dept.: Civil Engineering

Designation: Assistant Professor

This Tutorial corresponds to Unit No. / Lesson: Five

1. Write a short note on
 - i) Transportation problems
 - ii) Assignment problems
2. Differentiate between CPM and PERT

Please write the Questions / Problems / Exercises which you would like to give to the students and also mention the Objectives/Outcomes to which these Questions / Problems / Exercises are related.

Objective Nos.: 5

Outcome Nos.: 5

Signature of HOD

Date:

Signature of faculty

Date:



**Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)**

Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

COURSE SCHEDULE

Academic Year : 2021-2022

Semester : I

Name of the Program: M.Tech (STE) Year: I

Course/Subject: English for Research Paper Writing

Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar

Dept.: **Civil Engineering**

Designation: Assistant Professor

The Schedule for the whole Course / Subject is:

S. No.	Description	Duration (Date)		Total No. Of Periods
		From	To	
1.	Unit – I	18-12-2021	08.01.2022	6
2.	Unit- II	22.01.2022	19.02.2022	6
3.	Unit-III	05.03.2022	26.03.2022	6
4.	Unit-IV	02.04.2022	16.04.2022	6
5.	Unit-V	23-04-2022	30.04.2022	4

Total No. of Instructional periods available for the course: 28 Hours / Periods

RUBRIC SHEET

Academic Year : 2021-22 I Semester Name of the Program: M.Tech Year: I
 Course/Subject: **English for Research Paper Writing** Course Code: **GR20D5152**
 Name of the Faculty: M. Aravinda Kumar Dept: (CE)

Designation: Assistant Professor

Objective: To learn basics and concepts of writing a research paper

Student Outcome: Studies or analyze various components of a research paper

Rubric for Evaluation of the Paragraph Writing

A rubric is a grading tool that describes the criteria, or "what counts," for the assignment. It also describes each of the criteria according to gradations of quality, with descriptions of strong, middling, and problematic student work. The criteria are listed in the column on the left. The numbers in the top row indicate quality, with 4 being the best.

Roll No	Point Value	4 points	3 points	2 points	1 points	Points
	Topic Sentence	Interesting, original topic sentence, focused on one main idea.	Clearly stated topic sentence presents one main idea.	Acceptable topic sentence presents one idea	Missing, invalid, or inappropriate topic sentence; main idea is missing	4
	Supporting Details	concrete and descriptive examples and details with explanations that relate to the topic.	Examples and details relate to the topic and some explanation is included.	Sufficient number of examples and details that relate to the topic.	Insufficient, vague, or undeveloped examples.	3
	Organization and Transitions	Thoughtful, logical progression of supporting examples; Mature transitions between ideas.	Details are arranged in a logical progression; appropriate transitions.	Acceptable arrangement of examples; transitions may be weak.	No discernible pattern of organization; Unrelated details; no transitions.	4
	Style	Appropriate tone & voice; pleasing variety in sentences with Vivid precise word choices.	Appropriate tone, Clear sentences with varied structures; Effective diction.	Acceptable tone; some variety in sentence structures; Adequate diction and word choices.	Inconsistent or Inappropriate tone; Awkward, unclear, or incomplete sentences; Bland diction, poor word choice.	4
	Mechanics	Consistent standard English usage, spelling, and punctuation.	Some errors, but not huge in usage spelling, or punctuation.	A few errors in usage, spelling, or punctuation	Distracting errors in usage, spelling, or punctuation	3



**Gokaraju Rangaraju Institute of Engineering and Technology Department of
Civil Engineering**

EVALUATION STRATEGY

Academic Year : 2021 - 22

Semester : I

Name of the Program: M.Tech Structural Engineering Year: I- year - I Sem

Course/Subject: **ENGLISH RESEARCH PAPER WRITING**

Course Code: GR20D5207

Name of the Faculty: MR. ARAVINDA KUMAR

Dept.: Civil Engineering

Designation: ASSISTANT PROFESSOR

1. TARGET:

- a) Percentage for pass: 100%
- b) Percentage of class: 79.31

First class with distinction	2
First class	8
Pass class	16
Total strength	29

2. COURSE PLAN & CONTENT DELIVERY

S.No	Plan	Brief Description
1	Practice classes	Theory classes
2	Assignments	Assignments for understanding the nuances of writing

3. METHOD OF EVALUATION

- 3.1 Continuous Assessment Examinations (CAE-I, CAE-II)
- 3.2 Assignments/Seminars
- 3.3 Mini Projects
- 3.4 Quiz
- 3.5 Semester/End Examination
- 3.6 Others

4. List out any new topic(s) or any innovation you would like to introduce in teaching the subjects in this Semester.

5. Signature of HOD

Signature of faculty



Gokaraju Rangaraju Institute of Engineering & Technology
 Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

M.Tech (Structural Engineering)

Admitted Batch 2020-2022

S.No	ROLL NUMBER	NAME OF THE STUDENT
1	20241D2001	ADUVALA RAJESH KHANNA
2	20241D2002	DURGAM NISHIPRIYA
3	20241D2003	ASHALA SHARATH KUMAR
4	20241D2004	BODDUPALLI JAGADEESH
5	20241D2005	BOODIDA RAKESH KUMAR
6	20241D2006	H KARAN KUMAR
7	20241D2007	JADAV PAVAN KALYAN
8	20241D2008	JAKKULA SRINIVAS
9	20241D2009	JANGA AJAY KUMAR
10	20241D2010	JANGILI VIDYA SAGAR YADAV
11	20241D2011	KANDI USHA SRI
12	20241D2012	KOTLA SAI PRAKASH
13	20241D2013	KOTTE SAI KRISHNA
14	20241D2014	MADAM SAMKEERTHANA
15	20241D2015	MADHIKUNTLA SHIREESHA
16	20241D2016	MALYALA PRIYANKA
17	20241D2017	MANDALA NAVEEN
18	20241D2018	CHENNA JHANSI
19	20241D2019	MOHAMMED YASIR HUSSAIN
20	20241D2020	NARAPA SIVA BHASKAR REDDY
21	20241D2021	POLU SIREESH KUMAR REDDY
22	20241D2022	SAMA MADHAVI
23	20241D2023	SHAIK ANSAR AHMED
24	20241D2024	PANDRALA SANJANA
25	20241D2025	GUGULOTHU AMRUTHAKALA
26	20241D2026	JAGANNADHAM ROHITH KUMAR
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI
28	20241D2028	ALETI GANESH
29	20241D2029	KAKI SAI TULASI PRASANTHI



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY
(Autonomous)

I M. Tech I Semester Mid- I Examinations, December 2021
DEPARTMENT OF CIVIL ENGINEERING(STRUCTURAL ENGINEERING)

ENGLISH RESEARCH PAPER WRITING

Date : 28/12/2021

SUBJECTIVE				
(Answer ALL questions. All questions carry equal marks)				
Time: 75 Minutes		3 * 5 = 15 Marks		
1		[5]	CO 1	L1
OR				
2	Write a short note on Differential cost, Incremental cost, Opportunity cost.	[5]	CO 1	L1
3	Write a short note on i) Project Team ii) Role of Each member in Project Team	[5]	CO 2	L1
OR				
4	Explain the strategies for successful project completion	[5]	CO 2	L2
5	Discuss the cost concepts in decision making	[5]	CO 1	L2
OR				
6	Explain the importance of Bar Charts and Network Diagrams representation in Project Planning and Scheduling	[5]	CO 2	L2



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY
II M. Tech I Semester Mid- I Examinations, December 2021
DEPARTMENT OF CIVIL ENGINEERING
(STRUCTURAL ENGINEERING)
COST MANAGEMENT OF ENGINEERING PROJECTS

Date : 28/12/2021

OBJECTIVE

Multiple Choice Questions (MCQs)

(Answer ALL questions. All questions carry equal marks)

Time: 15 Minutes

10 * 1/2 = 5 Marks

1	Who is responsible for realistic and accurate estimation of the project? a) Stakeholders b) Project manager. c) Project team d) Project sponsor	[]
2	While determining budget a project manager uses _____ processes. a) Executing. b) Controlling c) Planning d) Communication	[]
3	Earned Value (EV) means _____. a) How much money earned. c) What is the value of completed work. b) How much time is spent. d) How much finds are spent	[]
4	What is actual cost (total cost) (AC)? a) Current estimated and authorized budget to complete the work. b) Cost of the work to complete the work. c) The total cost of accomplished work at its current stage. d) A planned budget assigned to complete the work	[]
5	What criterion makes you increase pessimistic estimation? a) Funding constrains determined by sponsor. b) Risks identified during planning. c) Time constrains specified by customer. d) Quality requirements provided by stakeholders	[]
6	Which process monitors the status of the project and keeps updated the information about the project budget and manages changes to the cost baseline? a) Determine Budget b) Estimate costs. c) Control costs. d) Control account	[]
7	What set of tools and techniques can be used for estimating costs? a) Same as used to estimate scope. b) Same as used to estimate resource c) Same as used to estimate risk. d) Same as used to estimate time	[]
8	Amount that vendor received for conducting a project called _____. a) Revenue. b) Net income. c) Gross Profit. d) Expense	[]

9	<p>What does the Basis of Estimates explain?</p> <ul style="list-style-type: none">a) Indication of the confidence level of the estimate.b) How the estimates were developed, documentation on all assumptionsc) All units, references, and ranges of estimated) All answers are right.	[]
10	<p>What action should try first for decreasing estimation of cost and/or time?</p> <ul style="list-style-type: none">a) Increasing time and budget.b) Reducing or eliminating the risks.c) Reasonable cut of project scope.d) Increasing thresholds tolerance	[] Page

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY**Department of Civil Engineering****M.TECH (STRUCTURAL ENGINEERING)****MID - I Examination Marks - December 2021**

Programme: M. Tech	Year/ Sem: II / I	Course: Theory	A.Y: 2021-22
Course: CMEP	MID : I	Faculty Name:	Akula Prakash

S. No	Roll No	NAME OF THE STUDENT	Subjective Marks (15)	Objective Marks (5)	Total Marks (20)
1	20241D2001	ADUVALA RAJESH KHANNA	10	1	11
2	20241D2002	DURGAM NISHIPRIYA	13	2	15
3	20241D2003	ASHALA SHARATH KUMAR	8	2	10
4	20241D2004	BODDUPALLI JAGADEESH	9	1.5	11
5	20241D2005	BOODIDA RAKESH KUMAR	11	2	13
6	20241D2006	H KARAN KUMAR	10	3	13
7	20241D2007	JADAV PAVAN KALYAN	11	2	13
8	20241D2008	JAKKULA SRINIVAS	10	2	12
9	20241D2009	JANGA AJAY KUMAR	10	1.5	12
10	20241D2010	JANGILI VIDYA SAGAR YADAV	9	1.5	11
11	20241D2011	KANDI USHA SRI	12	1.5	14
12	20241D2012	KOTLA SAI PRAKASH	10	1.5	12
13	20241D2013	KOTTE SAI KRISHNA	9	2	11
14	20241D2014	MADAM SAMKEERTHANA	7	2	9
15	20241D2015	MADHIKUNTLA SHIREESHA	13	3	16
16	20241D2016	MALYALA PRIYANKA	13	3	16
17	20241D2017	MANDALA NAVEEN	8	2	10
18	20241D2018	CHENNA JHANSI	AB	AB	AB
19	20241D2019	MOHAMMED YASIR HUSSAIN	11	2	13
20	20241D2020	NARAPA SIVA BHASKAR REDDY	13	3	16
21	20241D2021	POLU SIREESH KUMAR REDDY	11	1.5	13
22	20241D2022	SAMA MADHAVI	10	2.5	13

23	20241D2023	SHAIK ANSAR AHMED	12	3	15
24	20241D2024	PANDRALA SANJANA	12	1.5	14
25	20241D2025	GUGULOTHU AMRUTHAKALA	10	2	12
26	20241D2026	JAGANNADHAM ROHITH KUMAR	9	3	12
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI	13	2	15
28	20241D2028	ALETI GANESH	5	2	7
29	20241D2029	KAKI SAI TULASI PRASANTHI	11	1.5	13

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
M.TECH - STRUCTURAL ENGINEERING
MID I EXAMINATION - DECEMBER 2021

Subject Name: CMEP

Year & Sem : II & I

S.No	Roll No	Q.No 1 CO1 (5M)	Q.No 2 CO1 (5M)	Q.No 3 CO2 (5M)	Q.No 4 CO2 (5M)	Q.No 5 CO1 (5M)	Q.No 6 CO2 (5M)
1	20241D2001	3	NA	4	NA	NA	3
2	20241D2002	NA	4	4	NA	NA	5
3	20241D2003	2	NA	3	NA	NA	3
4	20241D2004	2	NA	4	NA	NA	3
5	20241D2005	2	NA	5	NA	NA	4
6	20241D2006	3	NA	4	NA	NA	3
7	20241D2007	4	NA	NA	4	NA	3
8	20241D2008	2	NA	4	NA	NA	4
9	20241D2009	3	NA	3	NA	NA	4
10	20241D2010	NA	4	3	NA	NA	2
11	20241D2011	3	NA	5	NA	NA	4
12	20241D2012	3	NA	4	NA	NA	3
13	20241D2013	2	NA	4	NA	NA	3
14	20241D2014	0	NA	4	NA	NA	3
15	20241D2015	4	NA	5	NA	NA	4
16	20241D2016	4	NA	5	NA	4	NA
17	20241D2017	4	NA	NA	NA	NA	4
18	20241D2018	3	NA	4	NA	NA	4
19	20241D2019	3	NA	4	NA	NA	4
20	20241D2020	4	NA	4	NA	NA	5
21	20241D2021	3	NA	4	NA	NA	4
22	20241D2022	4	NA	4	NA	NA	2
23	20241D2023	3	NA	4	NA	NA	5
24	20241D2024	4	NA	5	NA	NA	3

25	20241D2025	3	1	4	NA	3	3
26	20241D2026	2	NA	4	NA	NA	3
27	20241D2027	4	NA	5	NA	NA	4
28	20241D2028	NA	NA	NA	NA	NA	5
29	20241D2029	3	NA	5	NA	NA	3
Total		77	9	108	4	7	100
No of students attempted(NSA)		26	3	26	1	2	28
Attempt %=(NSA/Total no		89.66	10.34	89.66	3.45	6.90	96.55
Attainment %		59.23	60.00	83.08	80.00	70.00	71.43



O
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	CO1	CO2
Attempt%	89.66	93.10
Attainment %	59.23	77.25

Faculty Sign.

HOD Sign.

**RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING**

M.TECH (STRUCTURAL ENGINEERING)

II M.TECH. I SEM., II MID-TERM (SUBJECTIVE) EXAMINATION, JANUARY - 2020

SUB: Cost Management in Engineering Projects

Date of Examination: 23/01/2021 (FN)

Time: 30 min

Max. Marks: 10

Answer any **Two**.

1. Write a short note on
 - i) Break-even Analysis
 - ii) Cost-Volume-Profit Analysis
2. Differentiate between Performance Budget and Zero-Based Budget
3. Write a short note on
 - i) Transportation problems
 - ii) Assignment problems



**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY DEPARTMENT
OF CIVIL ENGINEERING**

M.TECH (STRUCTURAL ENGINEERING)

II M.TECH. I SEM., II MID-TERM (OBJECTIVE) EXAMINATION, JANUARY – 2020

SUB: Cost Management in Engineering Projects

Date of Examination: 23/01/2021 (FN)

Time: 10 min

Max. Marks: 10

-
1. The difference between the time available to do a job and the time required to do the job, is known as []
(A) Event (B) **Float** (C) Duration (D) Constraint
 2. A dummy activity []
(A) Is artificially introduced (B) Is represented by a dotted line
(C) Does not consume time (D) **All the above**
 3. The reduction in project time normally results in []
(A) Decreasing the direct cost and increasing indirect cost
(B) **Increasing the direct cost and decreasing the indirect cost**
(C) Increasing the direct cost and indirect cost both
(D) Decreasing the direct cost and indirect cost both
 4. Frederick W. Taylor introduced a system of working known as []
(A) Line organization (B) Line and staff organization
(C) **Functional organization** (D) Effective organization
 5. CPM is []
(A) Synthesising in concepts (B) Is built of activities-oriented programme
(C) Is based on time estimate (D) **All the above**
 6. The Overall in-charge of an organization at the site responsible for the execution of the works, is []
(A) Executive Engineer (B) **Engineer** (C) Junior Engineer (D) Assistant Engineer
 7. The first stage of a construction, is []
(A) Preparation of estimate (B) Survey of the site (C) **Initiation of proposal** (D) Preparation of tender
 8. Sinking fund is []
(A) **The fund for rebuilding a structure when its economic life is over**
(B) Raised to meet maintenance costs
(C) The total sum to be paid to the municipal authorities by the tenants
(D) A part of the money kept in reserve for providing additional structures and structural modifications
 9. Interfering float is the difference between []
(A) **Total float and free float** (B) Total float and independent float
(C) Free float and independent float (D) None of the above
 10. Pick up the correct statement from the following: []

- (A) Optimistic time estimate refers to activities
- (C) Most likely time estimate refers to activities

- (B) Pessimistic time estimate refers to activities
- (D) **All the above**

**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Department of Civil Engineering
M.TECH (STRUCTURAL ENGINEERING)
MID - II Examination Marks - January 2021

Programme: M. Tech	Year/ Sem: II / I	Course: Theory	A.Y: 2021-22
Course: CMEP	MID : II	Faculty Name:	Akula Prakash

S. No	Roll No	NAME OF THE STUDENT	Subjective Marks (15)	Objective Marks (5)	Total Marks (20)
1	20241D2001	ADUVALA RAJESH KHANNA	7	2.5	10
2	20241D2002	DURGAM NISHIPRIYA	12	1.5	14
3	20241D2003	ASHALA SHARATH KUMAR	4	2	6
4	20241D2004	BODDUPALLI JAGADEESH	10	2	12
5	20241D2005	BOODIDA RAKESH KUMAR	14	2.5	17
6	20241D2006	H KARAN KUMAR	11	1	12
7	20241D2007	JADAV PAVAN KALYAN	12	2	14
8	20241D2008	JAKKULA SRINIVAS	7	2	9
9	20241D2009	JANGA AJAY KUMAR	11	1.5	13
10	20241D2010	JANGILI VIDYA SAGAR YADAV	4	2	6
11	20241D2011	KANDI USHA SRI	12	2	14
12	20241D2012	KOTLA SAI PRAKASH	12	2.5	15
13	20241D2013	KOTTE SAI KRISHNA	7	1.5	9
14	20241D2014	MADAM SAMKEERTHANA	AB	AB	AB
15	20241D2015	MADHIKUNTLA SHIREESHA	14	2	16
16	20241D2016	MALYALA PRIYANKA	12	2	14
17	20241D2017	MANDALA NAVEEN	3	2	5
18	20241D2018	CHENNA JHANSI	14	1.5	16
19	20241D2019	MOHAMMED YASIR HUSSAIN	14	2	16
20	20241D2020	NARAPA SIVA BHASKAR REDDY	14	4	18
21	20241D2021	POLU SIREESH KUMAR REDDY	10	2	12
22	20241D2022	SAMA MADHAVI	11	3	14
23	20241D2023	SHAIK ANSAR AHMED	13	3	16
24	20241D2024	PANDRALA SANJANA	13	1.5	15
25	20241D2025	GUGULOTHU AMRUTHAKALA	13	1	14
26	20241D2026	JAGANNADHAM ROHITH KUMAR	11	2	13
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI	11	1.5	13
28	20241D2028	ALETI GANESH	6	1.5	8
29	20241D2029	KAKI SAI TULASI PRASANTHI	10	3.5	14

No. of Absentees: 01**Total Strength: 29****Signature of Faculty****Signature of HOD****Signature of Principal**

**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY****DEPARTMENT OF CIVIL ENGINEERING****M.TECH - STRUCTURAL ENGINEERING****MID II EXAMINATION - FEBRUARY 2022**

Subject Name: CMEP

Year & Sem : II & I

S.No	RollNo	Q.No 1 CO 3 (5M)	Q.No 2 CO 3 (5M)	Q.No 3 CO 4 (5M)	Q.No 4 CO 4 (5M)	Q.No 5 CO 5 (5M)	Q.No 6 CO 5 (5M)
1	20241D2001	NA	2	2	NA	NA	3
2	20241D2002	4	NA	NA	4	NA	4
3	20241D2003	NA	NA	NA	NA	NA	4
4	20241D2004	5	NA	NA	1	NA	4
5	20241D2005	5	NA	4	NA	NA	5
6	20241D2006	4	NA	3	NA	NA	4
7	20241D2007	NA	4	3	NA	5	NA
8	20241D2008	NA	3	NA	NA	NA	4
9	20241D2009	4	NA	5	NA	2	NA
10	20241D2010	4	NA	NA	NA	NA	NA
11	20241D2011	NA	4	NA	4	NA	4
12	20241D2012	4	NA	4	NA	NA	4
13	20241D2013	NA	NA	4	NA	NA	3
14	20241D2014	NA	NA	NA	NA	NA	NA
15	20241D2015	2.5	NA	4	NA	5	5
16	20241D2016	5	NA	3	3	NA	4
17	20241D2017	NA	1	NA	NA	NA	2
18	20241D2018	5	NA	4	NA	NA	5
19	20241D2019	5	NA	5	NA	NA	4
20	20241D2020	5	NA	5	NA	NA	4
21	20241D2021	3	NA	3	NA	NA	4
22	20241D2022	3	NA	NA	4	NA	4
23	20241D2023	5	NA	4	NA	NA	4
24	20241D2024	NA	5	3	NA	NA	5
25	20241D2025	5	NA	4	NA	4	3
26	20241D2026	4	NA	3	NA	4	NA
27	20241D2027	4	NA	NA	3	NA	4
28	20241D2028	NA	NA	3	NA	NA	3
29	20241D2029	4	2	NA	4	NA	NA
Total		80.5	21	66	23	20	90
No of students attempted(NSA)		19	7	18	7	5	23
Attempt %=(NSA/Total no		65.52	24.14	62.07	24.14	17.24	79.31
Attainment %		84.74	60.00	73.33	65.71	80.00	78.26

	CO4	CO5	CO6
Attempt%	44.83	43.10	48.28
Attainment %	72.37	69.52	79.13

Faculty Sign.

HOD Sign.

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Civil Engineering

M.TECH (STRUCTURAL ENGINEERING)**OVERALL ASSESSMENT MARKS**Programme: **M. Tech**

Year/ Sem: II / I

Course: **Theory****A.Y: 2021-22**Course: **CMEP**

Faculty Name: Akula Prakash

S. No	Roll No	MID I	MID II	AVERAGE	ASSIGNMENT MARKS	ATTENDANCE	TOTAL
1	20241D2001	11	10	11	5	5	21
2	20241D2002	15	14	15	5	5	25
3	20241D2003	10	6	8	5	5	18
4	20241D2004	11	12	12	5	5	22
5	20241D2005	13	17	15	5	5	25
6	20241D2006	13	12	13	5	5	23
7	20241D2007	13	14	14	5	5	24
8	20241D2008	12	9	11	5	5	21
9	20241D2009	12	13	13	5	5	23
10	20241D2010	11	6	9	5	5	19
11	20241D2011	14	14	14	5	5	24
12	20241D2012	12	15	14	5	5	24
13	20241D2013	11	9	10	5	5	20
14	20241D2014	9	AB	5	5	5	15
15	20241D2015	16	16	16	5	5	26
16	20241D2016	16	14	15	5	5	25
17	20241D2017	10	5	8	5	5	18
18	20241D2018	13	16	15	5	5	25
19	20241D2019	13	16	15	5	5	25
20	20241D2020	16	18	17	5	5	27
21	20241D2021	13	12	13	5	5	23
22	20241D2022	13	14	14	5	5	24
23	20241D2023	15	16	16	5	5	26
24	20241D2024	14	15	15	5	5	25
25	20241D2025	12	14	13	5	5	23
26	20241D2026	12	13	13	5	5	23
27	20241D2027	15	13	14	5	5	24
28	20241D2028	7	8	8	5	5	18
29	20241D2029	13	14	14	5	5	24



**Gokaraju Rangaraju Institute of Engineering and Technology
(Autonomous)**

Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

GUIDELINES TO STUDY THE COURSE / SUBJECT

Academic Year : 2021-22

Semester : I

Name of the Program: M.Tech Year: I

Course/Subject: English for Research Paper Writing Course Code: **GR20D5152**

Name of the Faculty: M. Aravinda Kumar Dept.: **STE**

Designation: Assistant Professor

Guidelines to study the Course/ Subject: English for research paper writing

Course Design and Delivery System (CDD):

- The Course syllabus is written into number of learning objectives and outcomes.
- These learning objectives and outcomes will be achieved through lectures, assessments, assignments, experiments in the laboratory, projects, seminars, presentations, etc.
- Every student will be given an assessment plan, criteria for assessment, scheme of evaluation and grading method.
- The Learning Process will be carried out through assessments of Knowledge, Skills and Attitude by various methods and the students will be given guidance to refer to the text books, reference books, journals, etc.

The faculty be able to –

- Understand the principles of Learning
- Understand the psychology of students
- Develop instructional objectives for a given topic
- Prepare course, unit and lesson plans
- Understand different methods of teaching and learning
- Use appropriate teaching and learning aids
- Plan and deliver lectures effectively
- Provide feedback to students using various methods of Assessments and tools of Evaluation
- Act as a guide, advisor, counselor, facilitator, motivator and not just as a teacher alone

Signature of HOD

Signature of faculty

Date:

Date:



Gokaraju Rangaraju Institute of Engineering and Technology
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Bachupally, Kukatpally, Hyderabad – 500 090. (040) 6686 4440

GR20 2020-22 M.Tech MTECH STE 120, Section: A GR20D5152 ERPW Sessional Marks

S.no	ROLL NUMBER	NAME OF THE STUDENT
1	20241D2001	ADUVALA RAJESH KHANNA
2	20241D2002	DURGAM NISHIPRIYA
3	20241D2003	ASHALA SHARATH KUMAR
4	20241D2004	BODDUPALLI JAGADEESH
5	20241D2005	BOODIDA RAKESH KUMAR
6	20241D2006	H KARAN KUMAR
7	20241D2007	JADAV PAVAN KALYAN
8	20241D2008	JAKKULA SRINIVAS
9	20241D2009	JANGA AJAY KUMAR
10	20241D2010	JANGILI VIDYA SAGAR YADAV
11	20241D2011	KANDI USHA SRI
12	20241D2012	KOTLA SAI PRAKASH
13	20241D2013	KOTTE SAI KRISHNA
14	20241D2014	MADAM SAMKEERTHANA
15	20241D2015	MADHIKUNTLA SHIREESHA
16	20241D2016	MALYALA PRIYANKA
17	20241D2017	MANDALA NAVEEN
18	20241D2018	CHENNA JHANSI
19	20241D2019	MOHAMMED YASIR HUSSAIN
20	20241D2020	NARAPA SIVA BHASKAR REDDY
21	20241D2021	POLU SIREESH KUMAR REDDY
22	20241D2022	SAMA MADHAVI
23	20241D2023	SHAIK ANSAR AHMED
24	20241D2024	PANDRALA SANJANA
25	20241D2025	GUGULOTHU AMRUTHAKALA
26	20241D2026	JAGANNADHAM ROHITH KUMAR
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI
28	20241D2028	ALETI GANESH
29	20241D2029	KAKI SAI TULASI PRASANTHI



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GR20 2020-22 M.Tech MTECH STE 120, Section: A GR20D5152 ERPW Sessional Marks

S.No	ROLL NUMBER	NAME OF THE STUDENT	Objective	Descriptive	Total
1	20241D2001	ADUVALA RAJESH KHANNA	5	11	16
2	20241D2002	DURGAM NISHIPRIYA	3	12	15
3	20241D2003	ASHALA SHARATH KUMAR	4	9	13
4	20241D2004	BODDUPALLI JAGADEESH	4	12	16
5	20241D2005	BOODIDA RAKESH KUMAR	4	11	15
6	20241D2006	H KARAN KUMAR	4	10	14
7	20241D2007	JADAV PAVAN KALYAN	5	9	14
8	20241D2008	JAKKULA SRINIVAS	4	14	18
9	20241D2009	JANGA AJAY KUMAR	5	10	15
10	20241D2010	JANGILI VIDYA SAGAR YADAV	5	7	12
11	20241D2011	KANDI USHA SRI	5	12	17
12	20241D2012	KOTLA SAI PRAKASH	5	13	18
13	20241D2013	KOTTE SAI KRISHNA	5	8	13
14	20241D2014	MADAM SAMKEERTHANA	5	8	13
15	20241D2015	MADHIKUNTLA SHIREESHA	4	12	16
16	20241D2016	MALYALA PRIYANKA	5	10	15
17	20241D2017	MANDALA NAVEEN	5	7	12
18	20241D2018	CHENNA JHANSI	4	12	16
19	20241D2019	MOHAMMED YASIR HUSSAIN	5	9	14
20	20241D2020	NARAPA SIVA BHASKAR REDDY	5	13	18
21	20241D2021	POLU SIREESH KUMAR REDDY	5	9	14
22	20241D2022	SAMA MADHAVI			0
23	20241D2023	SHAIK ANSAR AHMED	5	14	19
24	20241D2024	PANDRALA SANJANA	5	13	18
25	20241D2025	GUGULOTHU AMRUTHAKALA	5	11	16
26	20241D2026	JAGANNADHAM ROHITH KUMAR	5	7	12
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI	5	14	19
28	20241D2028	ALETI GANESH	3	9	12
29	20241D2029	KAKI SAI TULASI PRASANTHI	5	10	15

Faculty Signature



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GR20 2020-22 M.Tech MTECH STE 120, Section: A GR20D5152 ERPW Sessional Marks

S.No	ROLL NUMBER	NAME OF THE STUDENT	Objective	Descriptive	Total
1	20241D2001	ADUVALA RAJESH KHANNA	3	12	15
2	20241D2002	DURGAM NISHIPRIYA	4	12	16
3	20241D2003	ASHALA SHARATH KUMAR	5	13	18
4	20241D2004	BODDUPALLI JAGADEESH	4	14	18
5	20241D2005	BOODIDA RAKESH KUMAR	5	12	17
6	20241D2006	H KARAN KUMAR	4	10	14
7	20241D2007	JADAV PAVAN KALYAN	3	12	15
8	20241D2008	JAKKULA SRINIVAS	4	10	14
9	20241D2009	JANGA AJAY KUMAR	4	12	16
10	20241D2010	JANGILI VIDYA SAGAR YADAV	3	12	15
11	20241D2011	KANDI USHA SRI	4	13	17
12	20241D2012	KOTLA SAI PRAKASH	4	14	18
13	20241D2013	KOTTE SAI KRISHNA	4	12	16
14	20241D2014	MADAM SAMKEERTHANA	4	10	14
15	20241D2015	MADHIKUNTLA SHIREESHA	4	12	16
16	20241D2016	MALYALA PRIYANKA	5	12	17
17	20241D2017	MANDALA NAVEEN	5	12	17
18	20241D2018	CHENNA JHANSI	4	12	16
19	20241D2019	MOHAMMED YASIR HUSSAIN	4	14	18
20	20241D2020	NARAPA SIVA BHASKAR REDDY	4	12	16
21	20241D2021	POLU SIREESH KUMAR REDDY	4	14	18
22	20241D2022	SAMA MADHAVI	5	12	17
23	20241D2023	SHAIK ANSAR AHMED	4	12	16
24	20241D2024	PANDRALA SANJANA	5	13	18
25	20241D2025	GUGULOTHU AMRUTHAKALA	4	12	16
26	20241D2026	JAGANNADHAM ROHITH KUMAR	4	12	16
27	20241D2027	DAIDA VERONICA PRIYADHARSHINI	5	14	19
28	20241D2028	ALETI GANESH	3	12	15
29	20241D2029	KAKI SAI TULASI PRASANTHI	4	14	18

Faculty Signature

M.Tech I Year I Semester Regular Examinations, Dec/Jan 2022

ENGLISH RESEARCH PAPER WRITING

(Structural Engineering)

Time: 3 hours

Max Marks: 70

< Note: Type the questions in the given format only, Times New Roman font , size 12 >

Instructions:			
<ol style="list-style-type: none"> 1. Question paper comprises of Part-A and Part-B 2. Part-A (for 20 marks) must be answered at one place in the answer book. 3. Part-B (for 50 marks) consists of five questions with internal choice, answer all questions. 			
PART – A			
(Answer ALL questions. All questions carry equal marks)			
2 * 10 = 20 Marks			
1. a.	Why is planning important to write a research paper?	[2]	CO1
b.	Explain the role of unity and coherence in writing a paragraph.	[2]	CO1
c.	State the importance of abstract in research paper.	[2]	CO2
d.	List out two advantages of hedging.	[2]	CO2
e.	Define any two methods useful in writing a research paper.	[2]	CO3
f.	Why is citing important in research?	[2]	CO3
g.	the significance of a good introduction.	[2]	CO4
h.	What are the two important parameters to be considered to write a title of a research paper?	[2]	CO4
i.	Mention two skills needed to write results.	[2]	CO5
j.	Why is the discussion section the most critical part of your research paper?	[2]	CO5
PART – B			
(Answer ALL questions. All questions carry equal marks)			
10 * 5 = 50 Marks			
2.	<ol style="list-style-type: none"> a) Explain briefly the structuring of a paragraph. b) Prepare a paragraph on the topic 'Importance of academic projects in Engineering' 	[10]	CO1
OR			
3.	<ol style="list-style-type: none"> a) Enlist various ways to remove redundancy in a research paper. b) Explain how to avoid ambiguity and vagueness in a research paper. 	[10]	CO1
4.	a) 'An abstract summarises the research paper'. Elucidate	[10]	CO2

	<p>b) Reproduce the given excerpt of the research paper with proper paraphrasing.</p> <p>Of the more than 1000 bicycling deaths each year, three-fourths are caused by head injuries. Half of those killed are school-age children. One study concluded that wearing a bike helmet can reduce the risk of head injury by 85 percent. In an accident, a bike helmet absorbs the shock and cushions the head. From "Bike Helmets: Unused Lifesavers," Consumer Reports (May 1990): 348</p>		
OR			
5.	<p>a). 'Representing someone else's work as your own, even unintentionally, is plagiarism.' Discuss</p> <p>b) Explain in detail the different sections of a research paper.</p>	[10]	CO2
6.	<p>a) Describe the steps involved in the literature review.</p> <p>b) Illustrate various methodology that can be used in a research.</p>	[10]	CO3
OR			
7.	<p>a) Demonstrate the structure of the literature review.</p> <p>b) Describe various methods involved in research.</p>	[10]	CO3
8.	<p>a) Prepare a short note on the skills required to write an abstract.</p> <p>b) Summarise the skills involved in selecting the title of the paper.</p>	[10]	CO4
OR			
9.	<p>a) Plan the key skills that are required to write the title of a paper.</p> <p>b) Explain the criteria to write the introduction of a research paper.</p>	[10]	CO4
10.	<p>a) Compose the skills needed for writing conclusion of a research paper.</p> <p>b) How to ensure a research paper is good and possible for publishing?</p>	[10]	CO5
OR			
11.	<p>a) Demonstrate various technical methods that can be used in research paper.</p> <p>b) Explain the skills needed for writing a discussion.</p>	[10]	CO5

M.Tech I Year I Semester Regular Examinations, Dec/Jan 2022

ENGLISH RESEARCH PAPER WRITING GR20 D5152(STE)

Time: 3 hours

Max Marks: 70

< Note: Type the questions in the given format only, Times New Roman font , size 12 >

Instructions:			
1. Question paper comprises of Part-A and Part-B 2. Part-A (for 20 marks) must be answered at one place in the answer book. 3. Part-B (for 50 marks) consists of five questions with internal choice , answer all questions.			
PART – A			
(Answer ALL questions. All questions carry equal marks)			
2 * 10 = 20 Marks			
1. a.	Why is planning important to write a research paper?	[2]	CO1
b.	Explain two advantages of being concise in writing a paragraph.	[2]	CO1
c.	Defend why abstract is important in research paper.	[2]	CO2
d.	Define hedging.	[2]	CO2
e.	Label two methods in research paper.	[2]	CO3
f.	Why is citing important in research?	[2]	CO3
g.	List out the significance of a good introduction.	[2]	CO4
h.	What can be avoided when creating a title of a research paper?	[2]	CO4
i.	Mention two skills needed to write results.	[2]	CO5
j.	Why is the discussion section the most critical part of your research paper?	[2]	CO5
PART – B			
(Answer ALL questions. All questions carry equal marks)			
10 * 5 = 50 Marks			
2.	a) Explain briefly the structuring of a paragraph. b) Prepare a paragraph on the topic ‘Importance of academic projects in Engineering’	[10]	CO1
OR			
3.	a) Enlist various ways to remove redundancy in a research paper. b) Explain how to avoid ambiguity and vagueness in a research paper.	[10]	CO1
4.	a) ‘An abstract summarises the research paper’. Elucidate b) Reproduce the given excerpt of the research paper with proper paraphrasing. Of the more than 1000 bicycling deaths each year, three-fourths are caused	[10]	CO2

	by head injuries. Half of those killed are school-age children. One study concluded that wearing a bike helmet can reduce the risk of head injury by 85 percent. In an accident, a bike helmet absorbs the shock and cushions the head. From "Bike Helmets: Unused Lifesavers," Consumer Reports (May 1990): 348		
OR			
5.	a). 'Representing someone else's work as your own, even unintentionally, is plagiarism.' Discuss b) Explain in detail the different sections of a research paper.	[10]	CO2
6.	a) Describe the steps involved in the literature review. b) Illustrate various methodology that can be used in a research.	[10]	CO3
OR			
7.	a) Demonstrate the structure of the literature review. b) Describe various methods involved in research.	[10]	CO3
8.	a) Prepare a short note on the skills required to write an abstract. b) Summarise the skills involved in selecting the title of the paper.	[10]	CO4
OR			
9.	a) Plan the key skills that are required to write the title of a paper. b) Explain the criteria to write the introduction of a research paper.	[10]	CO4
10.	a) Compose the skills needed for writing conclusion of a research paper. b) How to ensure a research paper is good and possible for publishing?	[10]	CO5
OR			
11.	a) Demonstrate various technical methods that can be used in research paper. b) Explain the skills needed for writing a discussion.	[10]	CO5



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COURSE COMPLETION STATUS

-Academic Year : 21-22

Semester : I

Name of the Program: M.Tech STE Year: I

Course/Subject: **English for Research Paper Writing**

Course Code: **GR20D5152**

Faculty: M. Aravinda Kumar

Dept.: **CIVIL ENGINEERING (STE)**

Designation: Assistant Professor

Actual Date of Completion & Remarks, if any

Units	Date of Completion	No. of Objectives Achieved	No. of Outcomes Achieved
Unit 1	08-01-2022	1	1
Unit 2	19-02-2022	2	2
Unit 3	26-03-2022	3	3
Unit 4	16-04-2022	4	4
Unit 5	30-04-2022	5	5

Signature of HOD

Signature of faculty

Date:

Date:

Note: After the completion of each unit mention the number of Objectives & Outcomes Achieved.