



A REPORT ON
VALUE ADDED COURSE:
“A BASIC INTRODUCTION TO RESEARCH
METHODOLOGY”
ORGANIZED BY

DEPARTMENT OF COMPUTER APPLICATION, ST. EDMUND'S COLLEGE IN
COLLABORATION WITH
INTERNAL QUALITY ASSURANCE CELL, ST. EDMUND'S COLLEGE.

St. EDMUND'S COLLEGE
Department of Computer Application

*"A Basic Introduction to Research
Methodology"*

Registration Link : <https://forms.gle/uJK1BAHEuBzsy1CV7>

PROTESTING AGAINST NEW TECHNOLOGY - THE EARLY DAYS

**VALUE
ADDED
COURSE**

Contact Info.
Reema Joshi
(Faculty, Dept. of BCA)
reema.csc@gmail.com
8259807860

- Dates: 23-08-2021 to 28-08-2021
- Time: 3:00 pm to 4:00 pm
- Platform: Zoom
- Open to all students of St. Edmund's College
- Certificates will be awarded on successful completion.

COURSE DETAILS

Title of the Course: Value Added Course on “A Basic Introduction to Research Methodology”.

Course duration: 23-08-2021 to 28-08-2021.

Contact Hours: 1 hr daily, for a total of 6 hrs.

Mode: Online (via Zoom meetings).

Registration Link:

https://docs.google.com/forms/d/1aPwBFlyYke6JpWqOGBeqjjjPUd3QHTn15SFeH_X2urc/edit

No. of registrants: 63

No. of attendees who completed the first session: 20

No. of students who completed the course: 08.

Course Coordinator: Ms. Reema Joshi.

Course Instructor: Ms. Reema Joshi.

Course Fee: NIL.

INTRODUCTION TO THE COURSE

COURSE OBJECTIVES

1. *To bring out in students the latent art of being inquisitive towards the world around and within them.*
2. *Guide students on some techniques to sharpen analytical skills, a necessity to become a successful researcher.*
3. *Types of research, project-oriented research, domain specific research approaches.*
4. *A gentle introduction to research methodologies and ethics in research.*
5. *Emphasize the importance of good writing skills in research, writing formats, and existing services that can enhance their writing skills.*
6. *Identification of good research papers and journals on a subject matter, based on standard indexes like impact factors, h-index, citation scores, and so on.*
7. *Exercise students to read seminal papers on few topics they are learning in their current syllabus, so as to create a greater interest in them towards their academic responsibilities.*
8. *Teach students to write a short survey-oriented research paper, along with basic validation methods for hypothesis, and benchmarking with gold standards.*

COURSE OUTCOMES

1. *Students will be more aware of the beauty and impact of research in daily life, and be encouraged to delve into research activities, whether on a small/large scale at present.*
2. *A clear understanding and a roadmap on research for the student's future reference. This will be helpful to them, as proposing new ideas, research projects, as well as writing research papers are now becoming a part of graduate degree level activities across several institutions in the country and worldwide.*
3. *An appreciation of the importance of sharpening analytical skills to enhance the student's ability to make reliable inferences, as well as skills for good writing, and speaking, will be instilled in the students. This will not only help the students in future, but also in the courses they are currently enrolled in, and improve their academic and overall performance, and boost their confidence.*
4. *Students will learn how to search for and identify good research papers, especially landmark papers in their field of study, research ethics, and basic validation approaches for new methods they may propose in the future.*
5. *Increased productivity of students, with an edge so that they are better equipped to face the challenges they may encounter in future on the career front. Resources: Reading materials, video tutorials, daily practice exercises, quizzes and Google form-based tests, online platforms such as Zoom (for classes) and WhatsApp (for group discussions).*

DAILY CLASS FORMAT

| DAY | DATE | TOPICS COVERED | ACTIVITY & FEEDBACK |
|-----|------------|---|--|
| 1 | 23-08-2021 | Introduction to Research Methodology, the research question, legendary discoveries/inventions across fields, researchers and few sci-fi movies. | Students would choose their favourite research question pertaining to their field of study, with reasons for their choice. |
| 2 | 24-08-2021 | Steps in the research process, choosing a research project and supervisor, research methods and pitfalls. | Students were asked to analyse research methods applicable to their field of study. |
| 3 | 25-08-2021 | Qualities of a researcher, techniques for good writing and reasoning in research | Students were given standard grammar and aptitude tests. |
| 4 | 26-08-2021 | Case studies in research, data collection, hypothesis and sampling methods. | Students were asked to go through survey papers on their topic of interest (and enter them in the activity form), as well as collect data through forms for further analysis. |
| 5 | 27-08-2021 | Types of research papers, format, research journals, research publication process, essentials for a good publication. | Students understanding of the topics covered in the class was assessed. |
| 6 | 28-08-2021 | National library and information services, bibliography, citation, research ethics, submission of a research manuscript. An open feedback session was also conducted during the class | Students were asked to submit a short survey research paper, mentioning with any findings from the data collected by students. The paper should be centered on the topic of interest chosen by them earlier. |

*** The course comprised daily quizzes, activities and feedback. Students were asked to submit a two-page survey research paper at the end of the course, after which they were awarded a graded certificate.*

SAMPLE DAILY ACTIVITY FORM FOR STUDENTS

VAC: RESEARCH METHODOLOGY

Activity and Feedback Form: Day 5
27-08-2021

reema.csc@gmail.com (not shared) [Switch accounts](#)

***Required**

Name *

Your answer _____

The act of copying someone else's work without citing is called *

Plagiarism
 References
 Hypothesis

Which of the following(without citation) falls under plagiarism? *

Quoting
 Paraphrasing
 Stealing someones work

When a journal reviewer sends a paper back for corrections, it is called *

Revision
 Update
 Follow up

Kindly give a feedback for today's class. *

Your answer _____

Mention any point related to today's topic that you would like to be covered in the upcoming class.

Your answer _____

Submit [Clear form](#)

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DETAILS OF STUDENTS WHO SUCCESSFULLY COMPLETED THE COURSE

| SI No. | STUDENT NAME | DEPARTMENT | SEMESTER | MOTIVATION FOR JOINING THE COURSE | PASSING GRADE |
|--------|---------------------|-----------------------|----------|---|---------------|
| 1 | Debashmita Gogoi | Zoology | 4 | The guidance that I will acquire from this webinar on research methodology. | A+ |
| 2 | Fenieliza Swer | BSW | 4 | To know something about methodology. | A+ |
| 3 | Ibakordor Kharmih | B. C. A | 6 | To understand more on analyzing information on various topics. | A+ |
| 4 | Nikita Ghosh | BCA | 2 | I want to try it as it's a new course and I'll get to learn new things. | A+ |
| 5 | Gaurav Deb | BCA | 4 | To gain more knowledge | A+ |
| 6 | Rikyntilang Lyngdoh | Master of social work | 2 | Because in the next semester we will study Research Methodology... so it will be very helpful... Thank you. | A+ |
| 7 | Sahil Dey | BCA | 6 | - | A |
| 8 | Sildora Dohling | Social work | 2 | For further understanding study | A+ |

COURSE FEEDBACK

- Class feedbacks were taken on a daily basis.
- A final feedback form was shared with the students at the end of the course.
 - **Link:**
https://docs.google.com/forms/u/1/d/e/1FAIpQLSf0vKERqTSLKhwZygUEIyrZZ4goa4nSTE52ZDm_gsMf2cbCOA/viewform
- Feedback respondents:

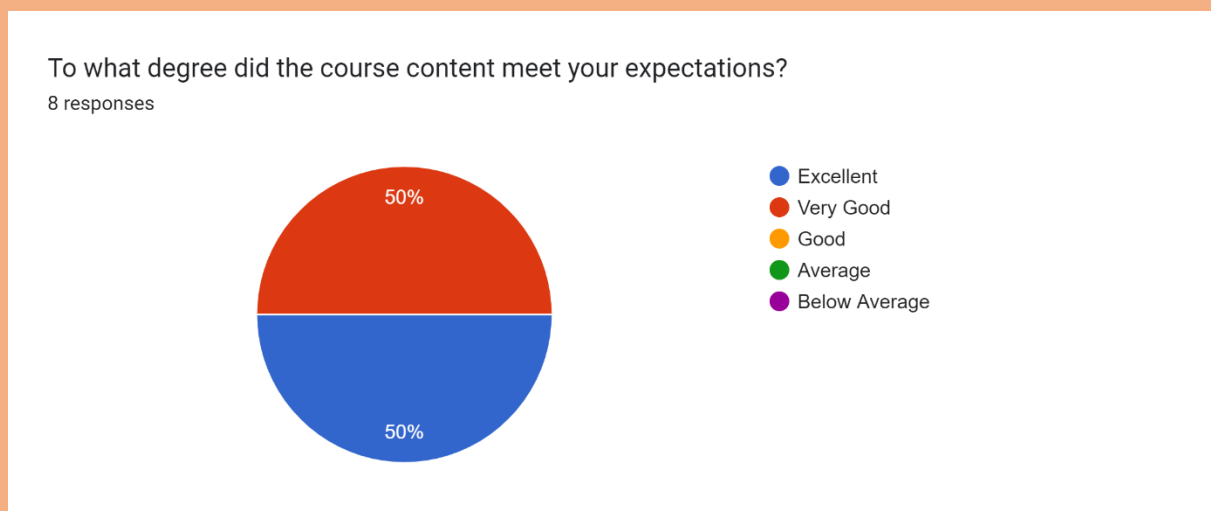
Feedback Form::: Course on "A Basic Introduction to Research Methodolc" ☆

Questions Responses 8 Settings

Full Name (to be printed on the certificate)
8 responses

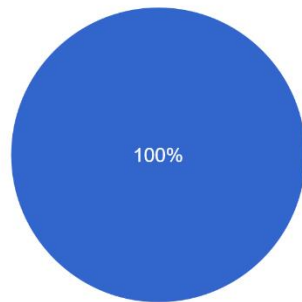
| |
|---------------------|
| NIKITA GHOSH |
| Rikyntilang Lyngdoh |
| Gaurav Deb |
| Ibakordor Kharmih |
| Debashmita Gogoi |
| Fenielifa Swer |
| SILDORA DOHLING |
| Sahil Dey |

- Responses



Please rate the course faculty.

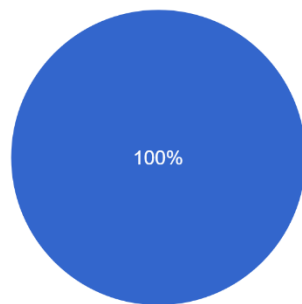
8 responses



- Excellent
- Very Good
- Good
- Average
- Below Average

Were objectives of the course clear to you?

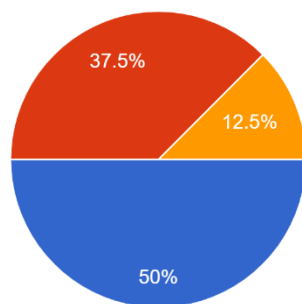
8 responses



- Yes
- No

To what level did the course expose you to new knowledge and practices.

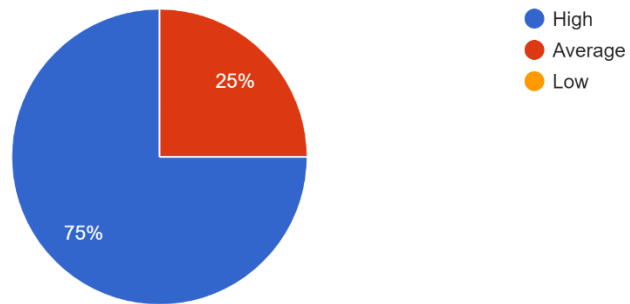
8 responses



- Excellent
- Very Good
- Good
- Average
- Below Average

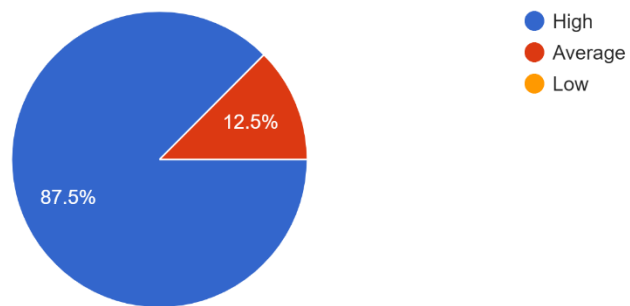
Please rate the relevance of the course.

8 responses



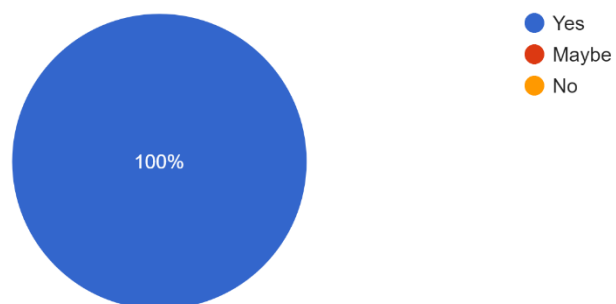
Please rate the usefulness of the course.

8 responses



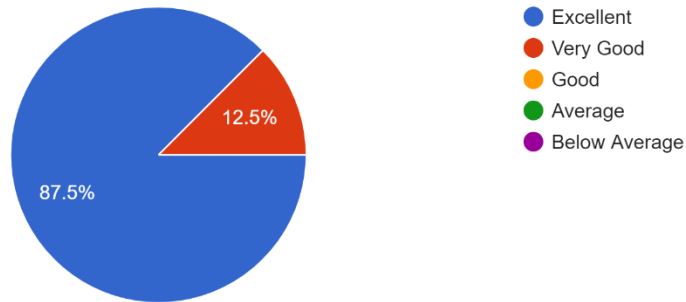
Would you recommend this course to others?

8 responses



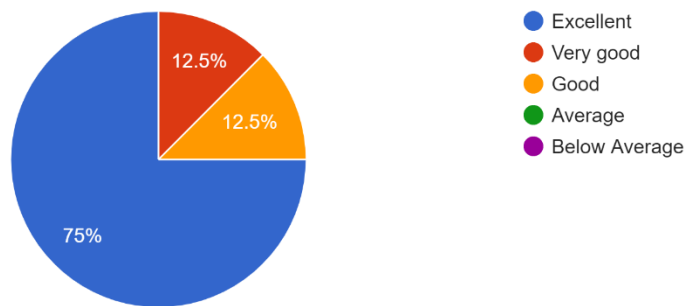
How would you rate the course overall?

8 responses



The learning experience you had in this course was

8 responses



Please share your comments on the course.

8 responses

This course has had helped me to actually know about the consequences and the methods of doing a research on any if the issue and also learnt how to improve the writing skills as well as reading skill. Thank you!

It was such an informative and learning session. It was interesting even if it was Hectic but as a student we have to manage the stress. Thank you so much Ma'am.

It was very informative and interesting. I wish to join this course again if possible

A very important and interesting course.
Gained a lot of knowledge.
Will be very helpful especially in the future .

This course have enhanced my knowledge in research field in a wide range. I got to learn whole lot of new things and about how to proceed for a research work. I have enjoyed the classes and I have also learnt about the qualities needed to become a successful researcher

It was very interesting and I had learnt alot, thank you for conducting such courses it had helped me in many ways and I had gained more knowledge. Thank you.

It is very good and informative course, it help the student to understand to learn more about their own topic for research .Thank you

It was very intriguing with lots of useful information and knowledge filled! It is an exception in comparison to other courses!
Enjoyed it alot!

SAMPLE CERTIFICATE



DEPARTMENT OF COMPUTER APPLICATION
St. Edmund's College

This is to certify that

Student Name

of St. Edmund's College

HAS SUCCESSFULLY COMPLETED THE COURSE ON

"A BASIC INTRODUCTION TO RESEARCH METHODOLOGY"

WITH A GRADE ____

FROM 23RD AUGUST TO 28TH AUGUST, 2021

ORGANIZED BY

DEPARTMENT OF COMPUTER APPLICATION

IN COLLABORATION WITH IQAC, ST. EDMUND'S COLLEGE, SHILLONG

HEAD

DEPT. OF COMPUTER APPLICATION
ST. EDMUND'S COLLEGE, SHILLONG

BR. SIMON COELHO

IQAC COORDINATOR
ST. EDMUND'S COLLEGE, SHILLONG


DR. SYLVANUS LAMARE

PRINCIPAL, ST. EDMUND'S
COLLEGE, SHILLONG

MEETING SCREENSHOTS

A Basic Introduction to Research Methodology


Reema Joshi,
Faculty, Department of Computer Application, St. Edmund's College.



The Research Question

The question that the research process and effort aims to answer.

For eg. "What causes the sound of thunder?"



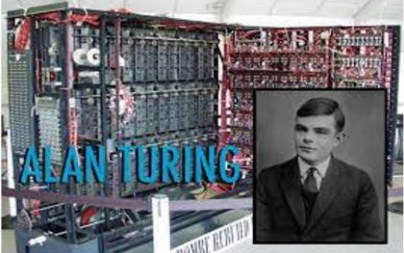
Top Discoveries/Inventions of All Time

- » Anesthesia
- » Personal Computer
- » Printing Press
- » Internet
- » Photography
- » Steam Engine
- » Vaccination
- » Optical Lens
- » Molecular Structure of DNA
- » Electricity

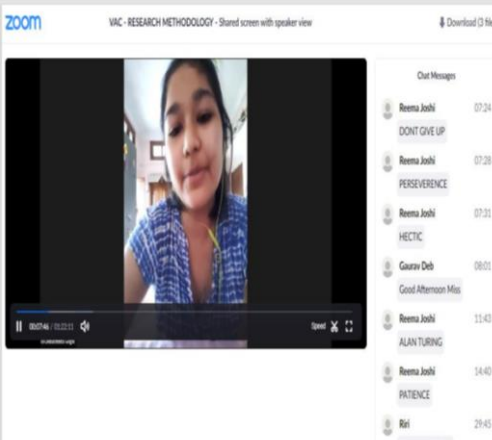
» The list can go on

» You can add more to the list through your discoveries!

ALAN TURING: THE MAN WHO BROKE THE ENIGMA CODE



zoom VAC - RESEARCH METHODOLOGY - Shared screen with speaker view



Chat Messages

- Reema Joshi 07:24 DONT GIVE UP
- Reema Joshi 07:28 PERSEVERENCE
- Reema Joshi 07:31 HECTIC
- Gaurav Deb 08:01 Good Afternoon Miss
- Reema Joshi 11:43 ALAN TURING
- Reema Joshi 14:40 PATIENCE
- Riri 29:45 fact maam halaha

zoom VAC - RESEARCH METHODOLOGY - Shared screen with speaker view

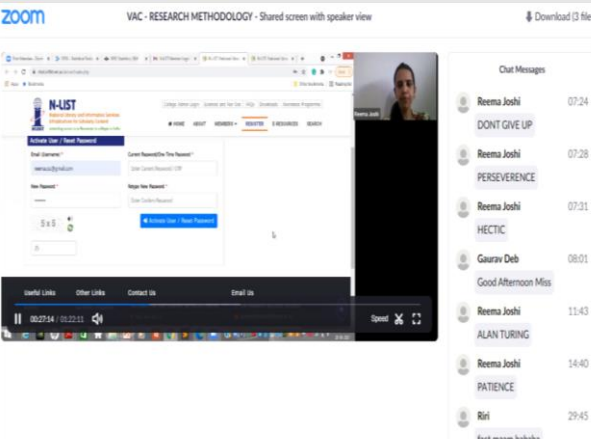
Foundations of a Successful Research

» Examiners read your thesis to find the answers to the following questions:

- What is this student's research question?
- Is it a good question? (has it been answered before? is it a useful question to work on?)
- Did the student convince me that the question was adequately answered?
- Has the student made an adequate contribution to knowledge?

00:58:57 / 01:24:57

zoom VAC - RESEARCH METHODOLOGY - Shared screen with speaker view



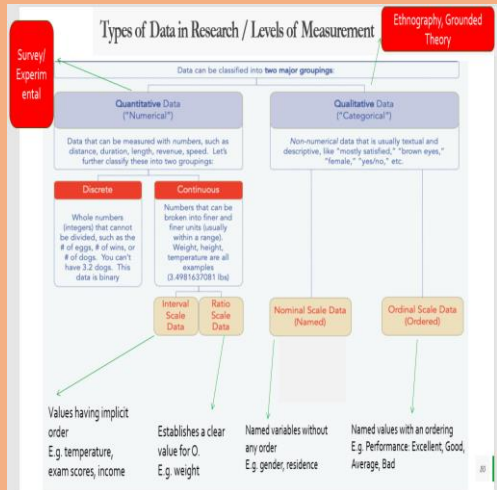
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Techniques for Good Writing in Research

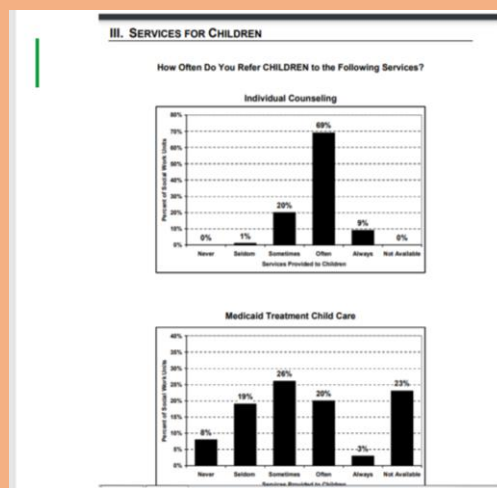
"Everyone is capable of good writing, even without an innate skill."

1. Daily practice.
2. Fight the initial resistance against writing.
3. Read a lot, and avoid mimicking other writers.
4. When you write, focus on your readers and their needs. Make meaning clear.
5. The purpose of research writing is to convey your data and interpretations of that data while convincing your reader that your perspective is valid.
6. Use punctuation, grammar, and other language conventions as road signs to help your reader interpret your writing. Basic vocabulary and simple sentence construction is sufficient, even for winning the Nobel Prize in Literature.



Research Papers ...

- <https://www.nature.com/articles/s41599-020-1237-z>
- <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/animals.html> (Experimental research)
- Data For the Research: <https://www.unodc.org/unodc/en/data-and-analysis/wildlife.html>
- SARS-CoV2 on Wildlife.pdf => <https://www.gisaid.org/>
- <https://www.sciencedirect.com/science/article/abs/pii/S0378772020303253>

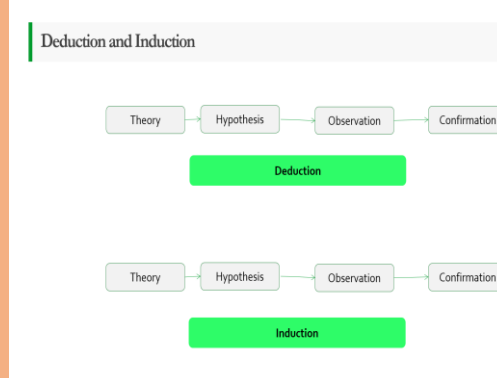


Sample Questionnaire on Domestic Violence

- <https://www.surveymonkey.com/r/RqYVCBX>

Domestic Violence: Findings From a New British Crime Survey Self-Completion Questionnaire

- <https://www.oj.gov/hcjrs/virtual-library/abstracts/domestic-violence-findings-new-british-crime-survey-self-completion>



Parts of a Technical Manuscript/Research Paper

| Cover Letter | Name, Reviewer, Editor, Originality of Submission |
|---------------------|---|
| 1. Title | 11. Results |
| 2. Authors | 12. Discussion |
| 3. Abstract | 13. Acknowledgements |
| 4. Keywords | 14. References |
| 5. Introduction | 15. Appendices |
| 6. Motivation | |
| 7. Contribution | |
| 8. Related Work | |
| 9. Background | |
| 10. Proposed Method | |

Provide Formulas, Conceptual Framework, Theoretical Foundation, Method Description, Theoretical/Applied

DOI: Digital Object Identification
 E.g. 10.1102/PhysRevLett.116.080801

Every research article gets a DOI number after peer review.

- Declaration of conflict of interest is essential
- Address all ethical issues properly
- Reviewer will usually look for flaws and early rejection of your paper.
- Rejection is not the end of the world !!

