EZ SCHOLAR

Bespoke Research Program

Program Structure

Dear Student,

Welcome to EZ Scholar,

We appreciate your commitment to research and are excited to be working with you. Over the next 10-12 weeks, our team will work closely with you to accomplish your goals.

Provided below is a generic program structure which will help you understand this journey better. Please keep in mind that based on your specific project, the program structure may change a little from what we have indicated in the document.

Results in any academic pursuit are directly proportional to the effort and hard work put in by the student. As such, the most crucial ingredient for success is your time commitment and diligence. We require your commitment on the following points:

1. Students will work with a mentor on a one-on-one basis.
2. Mentors will be assigned based on the subject and topic the student wants to research.
3. We will organize a meeting for the student and the mentor prior to the engagement starting. If both, the student as well as the mentor agree the project will proceed.
4. Mentors will schedule meetings on Google meet. We encourage keeping the same slot for each week. This allows the students as well as the mentors to plan their schedule better.
5. Please keep track of the meetings via your calendars. We expect students to show up punctually for the meetings.
6. Please complete any tasks assigned to you prior to the next meeting.
7. You should aim to work for at least 5 hours on your own prior to each meeting.
8. The preparation for each meeting will allow you to discuss your doubts and concerns with mentors.
9. Please utilize the various sources for additional information, research articles that are provided to you. It will help in writing a high-quality paper.
10. In case your research requires any data gathering, surveys and/or simulation, please discuss the plan promptly with your mentor.
11. We encourage all students to submit their papers for publication. It will be helpful to keep in mind the publication where you eventually plan to submit your paper. You can review some of the papers provided in this document for reference.

Remember that your objective is to learn how to conduct college level research and to come up with a good work product that showcases your knowledge and hard work in a timely manner.

If you have any additional questions or concerns, please reach out to the following.

Suchita Dakhane
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Warm regards,
Abhishek Sinha
Head of Relationship Management
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SCHOLAR

Indicative Program Structure

Initial Meeting (30 minutes) – Introduction and general discussion with the mentor.

The research paper will start when the mentor and student agree upon the general topic. We will then discuss suitable dates/time for the meetings and the mentor will send out meeting invites for subsequent sessions.

Session 1: Introduction to research methodologies and mentors' research.

Session 2: Selection of the research topic that is relevant and interesting.

Session 3: Finalization of the research topic and scope.

Session 4 – 7: Data collection, simulations, literature review and initial submission.

Session 8: Review and feedback by mentor on the initial submission.

Session 9 – 10: Additional discussion and report enhancement.

Session 11: Final report submission to research mentor.

Published Papers

S.No.	Student Name	Subject	Topic
1.	Avni Yadav	Physics	Energy Conservation for Projectile Motion Problems
2.	Sanil Arora	Physics	Gravity Simulation
3.	Sanil Arora	Physics	EPR Spectroscopy
4.	Abhinav Gupta	Physics	EPR Spectroscopy
5.	Prakrit Singh	Physics	EPR Investigations
6.	Srihaun Pujari	Physics	Electron Spin Resonance
7.	Samika Chander	Physics	Mask Dryer
8.	Keshav Sheshadri	Physics	Aerodynamic review of the 2010 Mclaren Mercedes rear wing
9.	Ritvika Tripathi	Physics	Comparative Study of Active and Passive Thermal Control Systems
10.	Hithesh Nabiraj	Aeronautics Engg.	ANALYSIS OF LIFT AND DRAG W.R.T TO NACA 5-DIGIT SERIES AIRFOILS
11.	Reeya Ajay	Economics	Understanding Japan's Deflation: Causes, Challenges and Policy Lessons
12.	Vidit Goel	Economics	Fast Fashion
13.	Riddhi Jain	Economics	Sell in May Effect
14.	Arin Modi	Economics	Stock Market Anomaly
15.	Romeer Rao	Economics	January Effect
16.	Romeer Rao	Economics	FDI and Inequality: A Comparative Study of India and Japan
17.	Lakshya Batta	Economics	January Effect
18.	Yashita Pujari	Economics	China's Debt Trap
19.	Vaibhav Saha	Economics	Investigating the Relationship between Monetary Policy and Stock Prices
20.	Radhika Dadhich	Economics	Impact of U.S. Monetary Policy on Asset Prices
21.	Jia Sankhla	Economics	Investigating Financial Bubbles and Bursts
22.	Lakshya Garg	Economics	Constitutional Frameworks and National Development: The Impact of Government Institutions on Progress and Regress
23.	Tvisha Valakati	Economics	How Government Corruption Impacts the Real Economy

Published Papers

S.No.	Student Name	Subject	Topic
24.	Vedika Mandhan	Economics	Bank Runs Across a Century
25.	Tvisha Valakati	International Relations	Ethical Considerations: Generative Artificial Intelligence Technologies in Political Campaigns
26.	Kartik Mittal	Economics	January Effect and Tax-loss Selling Hypothesis
27.	Lakshya Batta	Economics	A Correlational Study on Income Inequality and Economic Growth
28.	Aditi Shriram	Economics	The Externalities of Infrastructure Investment
29.	Neev Mehta	Computer Science	Quantum Computers and Post- Quantum Cryptography
30.	Neev Mehta	Computer Science	Bitcoin Forecaster with Neural Networks
31.	Arnav Jhamvar	Computer Science (ML/AI)	Football Match Result Prediction
32.	Siddhant Ray	Computer Science	Developing an Advanced AI-based 24 Carat gold price prediction model
33.	Dhruv Soni	Computer Science	Mango Disease Classification
34.	Udit Mishra	Computer Science	Emotion Detection
35.	Aashman Trivedi Abhinav Palanivel	Computer Science	Game Theory
36.	Radhika Dadhich	Computer Science	Machine Learning meets Healthcare and Medicine
37.	Pruthviraj	Computer Vision	Exoplanet Detection Using Machine Learning
38.	Ashish Khosla	Computer Science	Comparison of Regression Algorithms for Forecasting Bitcoin Price
39.	Advit Ranwade	Electronics (Makers Project)	Intelligent Water Discharger
40.	Kavinkrishnan	Data Science	The Effect of Christmas on the Cryptocurrency Market
41.	Avni Yadav	Data Science	Assessment of Impact on Mangroves from Climate Change
42.	Arin Modi	Business/Marketing	FMCG Companies
43.	Ridhisha Singh	Business/Marketing	JetSetGo Aviation
44.	Nayonika Bendi	Business/Marketing	Impact of Social Media Influencers on Food Safety in India

Published Papers

S.No.	Student Name	Subject	Topic
45.	Avani Bhat	Biology	Spinal Cord Injury
46.	Janya Gehlot	Biology	Beta Thalassemia
47.	Sahana Ballabh	Biology	Microplastics
48.	Lekhya Bandapalli	Biology	Acid Rain
49.	Kyna Bhandari	Biology	Hydroponics
50.	Kyna Bhandari	Biology	Comparing Antifungal Medications to Natural Remedies
51.	Anushka Subramaniam	Biology	How can stem cells improve the function of skin grafts
52.	Samika Chander	Environmental Science/Biology	Hydroponics
53.	Saiesha Moparthy	Psychology	Systematic Review of The Impact of Music on Attention, Mood And Driving Behavior
54.	Riddhi Jain	Psychology	Procrastination
55.	Kyna Bhandari	Psychology & Neuroscience	Impact of watching TikTok on memory and attention in Adolescents