**✅ 1. Managerial Round (MR) – Situational, Behavioral & Resume-Based Questions**

**About You & Resume**

1. Tell me about yourself.
2. Walk me through your resume.
3. What are your key strengths and weaknesses?
4. **Why should we hire you for TCS Prime?**

Sir/Ma’am, I believe I am a strong fit for the TCS Prime role because I combine a solid foundation in computer science with hands-on experience in emerging technologies like Machine Learning, Generative AI, and full-stack development.

I have worked on impactful projects such as an AI-powered interactive learning platform using Django and React, and a Dream11 team prediction system using ML, which demonstrate both my technical skills and my ability to solve real-world problems.

Beyond academics, I’ve consistently shown initiative by publishing research papers, winning hackathons, and completing advanced certifications. I’m also confident in my communication and collaboration abilities, which are crucial in high-impact roles like TCS Prime.

What sets me apart is my eagerness to learn, my adaptability, and my drive to contribute meaningfully from day one. I see TCS Prime not just as a job, but as an opportunity to grow with one of the best teams in the industry while solving large-scale challenges.

1. **Why do you want to join TCS?**

Sir/Ma'am, I want to join TCS because it is one of the most respected and globally recognized IT companies known for innovation, stability, and continuous learning. TCS has a strong culture of nurturing talent and encouraging growth through structured programs like Elevate and TCS Xplore, which aligns with my desire to constantly upskill myself.

As someone with a background in Machine Learning, Web Development, and AI-based projects, I am excited by TCS’s investment in next-gen technologies like Gen AI, cloud, and analytics. I’m particularly impressed by how TCS is helping global clients in their digital transformation journey.

Additionally, the diverse and inclusive work environment, opportunities to work on real-world problems, and the ability to contribute at scale really motivate me to be a part of the TCS family. I see this as a platform where I can grow technically, professionally, and personally.

1. Why aren’t you going for post-graduation?
2. Why didn’t you join any technical or non-technical societies?
3. Describe a time you led a team.
4. Describe a time you had a conflict in a team and how you resolved it.
5. What are your short-term and long-term career goals?

**Project-Based**  
11. Explain your AI-Powered Learning Platform project.  
12. How does the IPL Dream11 Prediction system work?  
13. What was your role in the Road Transport Telematics project?  
14. Which challenges did you face during your project development?  
15. How did you integrate Transformer models into your project?  
16. Why did you choose Django over Flask or vice versa?  
17. How did you use GPS and GIS in the tracking project?

**Behavioral & Leadership**  
18. Give an example where you demonstrated leadership.  
19. How do you handle pressure and deadlines?  
20. Describe a failure you faced and what you learned from it.  
21. Have you mentored or guided anyone?  
22. How do you prioritize tasks when working on multiple deadlines?

**👨‍💻 2. Technical Round – Fundamentals, Project-Tech, and Coding**

**Programming & Web Development**

1. What is your favorite programming language and why?
2. Explain the differences between Django and Flask.
3. What is REST API? How did you implement it in your projects?
4. What are GET and POST methods?
5. What is CRUD and how is it used in web development?
6. Difference between synchronous and asynchronous requests.
7. Explain MVC architecture.
8. What are the different HTTP status codes you are aware of?

**Python / ML / AI / Gen AI**  
9. What is Machine Learning? Explain types.  
10. What is the difference between AI, ML, and DL?  
11. What are Transformer models?  
12. What is RAG (Retrieval-Augmented Generation)?  
13. How does Gen AI work? Name a few real-world applications.  
14. What is Overfitting and Underfitting?  
15. Explain SVM with a real-world example.  
16. What is the role of activation functions in deep learning?  
17. How do you handle imbalanced data?  
18. Explain the difference between normalization and standardization.

**Databases & DBMS**  
19. What is normalization? Explain all normal forms.  
20. What is denormalization? When would you use it?  
21. Explain ACID properties in databases.  
22. What is a transaction? What is a deadlock?  
23. Scenario-based: Lost update problem between T1 and T2 (as in your earlier message).

**AWS / Cloud / Tools**  
24. What services have you used in AWS?  
25. What is the benefit of using cloud platforms?  
26. How do you use Git and GitHub in your projects?

**Coding & DSA**  
27. Write a program for BFS in Python.  
28. What’s the difference between DFS and BFS?  
29. What is the time and space complexity of BFS?  
30. Solve a basic problem on string, array, or linked list.  
31. What are stacks and queues? Use cases?  
32. Write a program to check if a string is a palindrome.

**🙋‍♀️ 3. HR Round – Fit, Culture, Company Awareness**

**TCS-Related**

1. What do you know about TCS?
2. What is the TCS Prime role? How is it different from Digital?
3. Why do you want to join TCS Prime?
4. Are you okay with relocation or working in any domain?
5. Are you okay with Digital role if not selected for Prime?

**You-Fit Questions**  
6. Tell me about a time you handled a difficult situation.  
7. What are your career goals and how does TCS fit into them?  
8. What are your expectations from this job?  
9. Are you willing to learn new technologies?  
10. Are you available to join immediately after graduation?

**✅ Bonus Tips for Preparation**

* **Revise your projects**: Be ready to go deep technically (architecture, models, optimizations).
* **Know your resume** inside-out: Certifications, tools, and even minor details.
* **Practice DSA basics**: BFS, DFS, sorting, string/array manipulation.
* **Be clear on GenAI, RAG, Transformers**: Since they are part of your projects and publications.
* **Stay confident and concise** in answers.