



Trusted for Success

National Engineering Challenge (NEC) 2024

## About NEC:

After a triumphant run in 2020, the National Engineering Challenge (NEC) is back for its 7th edition in 2024! This prestigious national-level engineering quiz promises excitement, knowledge, and solidarity.

## Previous Triumph:

NEC 2020 united the brightest engineering minds from 500+ colleges in 50+ cities, showcasing incredible talent and innovation. As we gear up for NEC 2024, we're ready to elevate the competition even further.

## Anticipate:

- **National Spotlight:** NEC is not just a quiz; it's a chance to make your mark on the national engineering landscape.
- **Prizes Totaling ₹41,00,000:** Compete for substantial rewards, making it not just about glory but tangible recognition for your engineering prowess.
- **Network Opportunities:** Connect with like-minded individuals, industry experts, and potential collaborators. NEC is a community fostering growth and collaboration.

## Exam Stage:

Round	Mode	Slots & Date	Syllabus
1	Online	<b>Slot-1:</b> 18-February-2023 <b>Slot-2:</b> 03-March-2023	Engineering Mathematics, Quantitative Aptitude, Logical Reasoning
2	Offline	<b>28-April-2024</b> Location: Jayanagar, Malleshwaram, Indiranagar	Engineering Mathematics, Quantitative Aptitude, Logical Reasoning

## Paper Pattern:

Round	Number of Questions	Marking Scheme	Duration
1	<ul style="list-style-type: none"> <li>Engineering Mathematics: 10</li> <li>Quantitative Aptitude: 15</li> <li>Logical Reasoning: 5</li> </ul> Question Type: MCQ with 4 options	Correct Answer: 1 Mark Incorrect Answer: -0.25	30 Min
2	<ul style="list-style-type: none"> <li>Engineering Mathematics: 15</li> <li>Quantitative Aptitude: 10</li> </ul>	Correct Answer: 1 Mark Incorrect Answer: -0.25	45 Min

	<ul style="list-style-type: none"> <li>Logical Reasoning: 5</li> </ul> <p>Question Type: MCQ with 4 options</p>		
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## Detailed Syllabus for Round-1 and Round-2:

Engineering Mathematics	Quantitative Aptitude	Logical Reasoning
<ul style="list-style-type: none"> <li>Linear Algebra</li> <li>Calculus</li> <li>Vector Calculus</li> <li>Probability</li> </ul>	<ul style="list-style-type: none"> <li>Number System</li> <li>Equations</li> <li>Percentage</li> <li>Averages</li> <li>Ratio &amp; Proportions</li> <li>Mixtures &amp; Alligations</li> <li>Time, Speed, and Distance</li> <li>Time &amp; Work</li> <li>Set Theory &amp; Venn Diagrams</li> <li>Progression</li> <li>Permutation &amp; Combinations</li> </ul>	<ul style="list-style-type: none"> <li>Coding and Decoding</li> <li>Series</li> <li>Odd One Out</li> <li>Analogies</li> <li>Directions</li> <li>Blood Relations</li> <li>Arrangements</li> <li>Clocks &amp; Calendars</li> <li>Syllogism</li> </ul>

