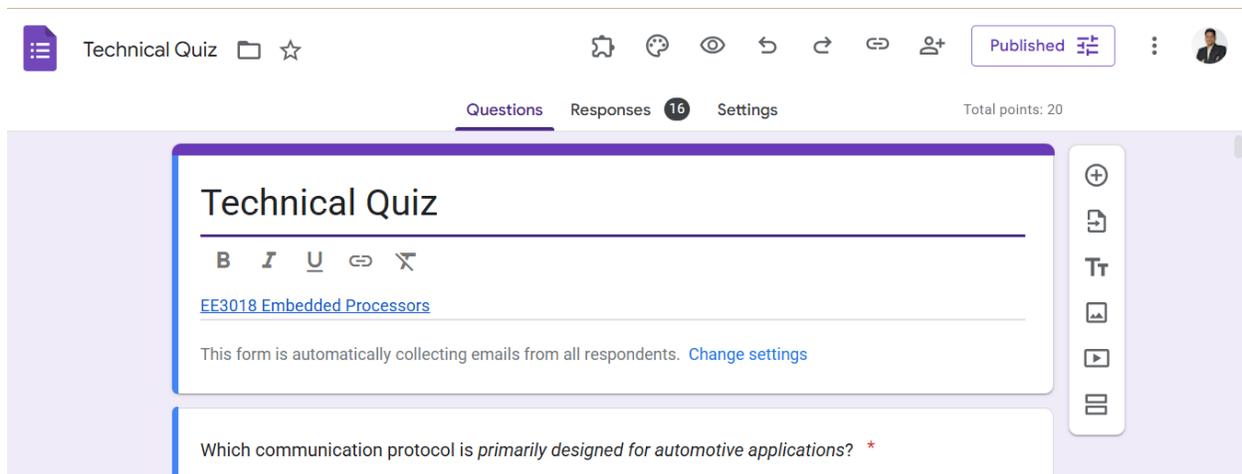


## Quiz by Google form

Quiz via Google Forms are used to create and administer online quizzes, assessments, and tests. They allow users to gather responses, automatically grade multiple-choice and other objective questions, and provide feedback to students. They are a versatile tool for educators, businesses, and anyone needing to collect and evaluate information in a structured way. Assessments can be done using multiple-choice questions created through Google Forms.

After completing each unit, faculty will create a Google Form containing questions and simple problems related to the topics from the unit. They will then share the link in the student group.



The screenshot shows a Google Form titled "Technical Quiz" in a purple-themed interface. The form is currently in "Questions" mode, with "Responses" showing 16 and "Settings" visible. The form content includes a title "Technical Quiz", a rich text editor with a link to "EE3018 Embedded Processors", and a question: "Which communication protocol is primarily designed for automotive applications? \*". The form is marked as "Published".

### Procedural Implementation of Technical Quiz

#### 1. Purpose

The technical quiz is implemented as an active and continuous learning tool to assess students' technical knowledge, conceptual understanding, and problem-solving ability, thereby supporting Outcome Based Education (OBE) and improving attainment of Course Outcomes (COs).

#### 2. Scope

This procedure is applicable to:

- Undergraduate programs
- Theory and laboratory courses

#### 3. Responsibilities

- **Head of the Department (HoD):** Monitoring and review
- **Course Coordinator:** Planning, CO alignment, documentation
- **Faculty Member:** Quiz design, conduct, evaluation

- **Students:** Active participation

#### **4. Procedural Steps**

##### **Step 1: Planning of Technical Quiz**

- Identify suitable topics from the syllabus
- Define learning objectives and relevant Course Outcomes (COs)
- Decide quiz format:
  - MCQs
  - Short answer questions
  - Problem-based questions
- Prepare quiz plan and schedule

##### **Step 2: Preparation of Quiz Content**

- Prepare questions with varying difficulty levels:
  - Easy
  - Moderate
  - Challenging
- Ensure questions test:
  - Conceptual clarity
  - Application of knowledge
- Map questions to COs

##### **Step 3: Approval and Scheduling**

- Obtain approval from HoD/Course Coordinator
- Schedule quiz date and duration
- Inform students in advance

##### **Step 4: Conduct of Technical Quiz**

- Conduct quiz using:
  - Classroom method
  - Online platforms (Google Forms / LMS)
- Explain rules and evaluation criteria
- Ensure fair and transparent conduct

##### **Step 5: Student Participation**

- Students attempt quiz individually or in teams
- Attendance and participation are recorded

##### **Step 6: Evaluation and Assessment**

- Evaluate quiz responses using predefined answer keys or rubrics
- Award marks as per assessment plan

- Provide feedback to students

**Step 7: CO Attainment Analysis**

- Analyze quiz results
- Map performance to relevant Course Outcomes