S.No.	Problem Statement	Description
1	Design and prototype a low-cost, community-friendly early flood prediction and alert system that can warn households 1–2 hours before potential flooding.	Your challenge is to build a solution that uses **simple, affordable sensors** (ultrasonic, water-level, pressure, or DIY IoT devices) to continuously monitor water levels in drains, nalas, river edges, or basements. The system should detect unusual or rapidly rising water patterns and predict the possibility of flooding using either rulebased logic or lightweight machine learning models.
2	CampusFlow: Digitizing Administrative Processes for Modern Colleges.	Most colleges still depend on paper-based processes for certificates, fee receipts, attendance, approvals, and grievances, forcing students into long queues, repeated office visits, and slow manual signatures for even basic documents like bonafide or mark sheets. This outdated system also burdens administrative staff with heavy paperwork, duplicate entries, verification delays, and frequent errors due to the absence of centralized digital records. During admission or exam seasons, the manual workload multiplies, causing misinformation, lost files, and unnecessary chaos. There is a clear need for a fast, transparent, and fully digital platform that replaces paperwork, reduces waiting time, improves record accuracy, and gives students and staff a modern, efficient campus administration experience.

3	Build a secure, unified digital health platform that allows patients to store, access, and share their complete medical history across hospitals, while also providing a system to verify the authenticity of medicines before use.	In most regions, a patient's medical history is scattered across different hospitals, clinics, labs, and private practitioners. There is no unified record that follows the patient, forcing doctors to treat without complete information and causing repeated tests, misdiagnoses, and delays in critical care. Patients often have no digital access to their own prescriptions, allergies, past treatments, or reports — especially during emergencies when this information is most needed. At the same time, many areas face a serious issue of **fake, expired, or counterfeit medicines**, with no easy way for patients or pharmacists to verify drug authenticity. This leads to dangerous health risks, financial loss, and a major trust gap in the healthcare system. These two problems — fragmented health records and unverifiable medicines — together highlight the need for a secure, accessible, and transparent digital ecosystem.

4	Build an intelligent subscriptionmanagement and hidden-charges detection platform that helps users track, analyze, and prevent unexpected fees across OTT platforms, apps, banking services, and digital subscriptions.	Your solution should automatically scan transactions, subscription renewals, and billing patterns to identify hidden charges, silent auto-renewals, unnecessary addons, and long-forgotten recurring payments. The system must alert users before renewals occur, provide clear cost breakdowns, and flag suspicious or misleading charges. Additional features like simplified cancellation, budgeting insights, or comparison of alternative plans are encouraged.
5	Design a smart, real-time system that helps authorities and parents quickly identify and locate lost children in crowded public areas.	Every year, thousands of children get separated from their families in crowded places such as festivals, malls, markets, religious gatherings, railway stations, and tourist attractions. In these moments, identifying the child quickly becomes extremely difficult due to noise, crowd movement, lack of centralized information, and slow manual announcements. Security teams often rely on verbal descriptions, which may be inaccurate or delayed, and parents struggle to navigate large spaces efficiently. These delays increase panic, risk, and vulnerability. There is an urgent need for a **real-time, tech-enabled system** that can assist families and authorities in locating lost children faster and more accurately.

6	Build an intelligent, unified cybersecurity platform that helps users identify phishing links, understand which apps or websites track their personal data, and detect if their personal information has been leaked or exposed online.	Digital users today face three major security challenges: they **cannot identify suspicious or deceptive links**, they have **little awareness of which apps or websites silently track their personal data**, and they have **no practical way to know if their phone numbers, emails, passwords, or documents have been leaked online**. As a result, people—especially students, working professionals, and elderly users—unknowingly fall for phishing attacks, install privacy-invasive apps, and continue using compromised accounts without realizing the risks. Traditional antivirus tools don't provide realtime clarity, and manually checking data breaches or privacy policies is confusing and time-consuming. There is a strong need for a **user-friendly, real-time, all-in-one security system** that can detect risky links, expose hidden data-tracking behaviors, and monitor leaked personal information across the web.

7	Candidates don't know their real skill gap for the role they want. Many people lack interview practice, especially for soft skills.	Users often send money to the wrong number by mistake, but there is no simple system to track the refund process. This causes confusion and delays because users cannot see whether their refund request is accepted, pending, or rejected. The lack of transparency and real-time updates makes the refund experience slow and frustrating.
8	Users accidentally pay wrong numbers and there is no quick refund tracking.	Users often send money to the wrong number by mistake, but there is no simple system to track the refund process. This causes confusion and delays because users cannot see whether their refund request is accepted, pending, or rejected. The lack of transparency and real-time updates makes the refund experience slow and frustrating.
9	Companies face difficulties in efficiently managing remote teams, leading to communication gaps, reduced productivity, and challenges in monitoring tasks and collaboration.	With remote work becoming common, many organizations struggle to maintain smooth coordination among distributed team members. Communication is often inconsistent, tracking work progress becomes harder, and managers lack clear visibility into team performance. These issues can result in delays, misunderstandings, and decreased overall efficiency in remote work environments.