**🎓 1. IUT-Exclusive Identity & Auth**

**🔐 IUT Email Verification**

* Only @iut-dhaka.edu signups allowed.
* One-time verification link.
* Optional portal API integration to auto-fetch: Name, Dept, Batch, ID.

**👤 Profile System**

* Department, batch, interests.
* Optional bio, profile picture, IUT-specific badges (e.g., IUT Rover Team).

✅ *Judging Fit:* Real-world need (exclusive access), open-source auth libs (Firebase/Magic), maintainable logic, clean integration.

**📰 2. Smart, Minimalist Social Feed**

**🧠 Low-Brainrot Feed**

* Algorithm prioritizes relevant, diverse, and meaningful content.
* No endless scroll.
* Sort by: "Helpful", "Most Reacted", or "Wholesome".

**🔔 Daily Digest**

* One smart notification per day: Top 3 posts + Event + Cat update.
* Encourages mindful engagement.

✅ *Judging Fit:* Unique UX idea, performance-aware design, PWA-friendly, modular.

**🧑‍🤝‍🧑 3. Batch & Department Circles**

* Auto-join based on email or profile data.
* Feeds and events filtered for each circle.
* Group chat + file sharing (notes, past questions).

✅ *Judging Fit:* Great sub-community design, scalable by DB filtering, socket/real-time support ready.

**🐾 4. CatCorner 😺 (IUT Cat Feed)**

* Users can upload, name, and track cats.
* Vote for “Cat of the Month”.
* “Common Hangouts” (crowdsourced GPS heatmap using image upload locations).

✅ *Judging Fit:* Creative, hyperlocal, highly engaging, unique to IUT. Easily modularized. Could use open-source map APIs.

**🌱 5. Wholesome Wall**

* Positive-only feed for:
  + Gratitude posts
  + Appreciation shoutouts
  + “Small wins of the day”
* Manual or community moderation (or sentiment detection using ML).

✅ *Judging Fit:* Great social impact, encourages healthy online habits. Can use open-source sentiment libraries for light ML.

**🎭 6. Confession 2.0**

* Anonymous posts with purpose-driven tags:
  + Advice • Vent • Shoutout • Academic Help
* Public replies visible but filtered by positivity & relevance.
* AI suggestions for post categories (optional).

✅ *Judging Fit:* Great UX problem-solving, scoped moderation, ethical anonymous content, real-world issue handling.

**📚 7. Question paper hub**

✅ *Judging Fit:* Real academic utility, offline-ready (local cache of notes), scalable, strong solution logic.

**🎉 8. Event Hub**

* Club, department, or hall events.
* RSVP, reminders, and polls.
* Attendance via QR scanner.
* Smart Suggestions: “Popular among your batch”.

✅ *Judging Fit:* Strong database modeling potential, scalable, great frontend UI opportunity (calendars, timelines).

**🛍️ 9. Mini Marketplace (Buy/Sell)**

* Pre-owned calculators, books, electronics, lab gear.
* Filters by batch, dept, category.
* Safety verified by IUT login.

✅ *Judging Fit:* Real-world use case, open-source ready stack, strong backend logic (pagination, filters, file upload).

**🧳 10. Lost & Found**

* Post lost or found items.
* Upload image + last known location + hall/department.
* “Owner Verification” through comments or private chat.

✅ *Judging Fit:* Simple CRUD with practical impact. Open-source libraries for geolocation or tags.

**🔒 11. Smart Moderation & UX**

* Auto-removal of spam/offensive content (keyword, ML, flagging).
* Downvote → temporary hiding for review.
* Reputation system for users (e.g., badges, helpfulness score).

✅ *Judging Fit:* Smart backend design, scalable logic, ML-lite features using open-source NLP.

**🕹️**

**📶 13. Offline Support (PWA)**

* Cached:
  + Posts
  + Study pod messages
  + Notes
* Compose posts offline → sync when online.
* Installable as PWA.

✅ *Judging Fit:* Excellent for offline criteria (8 marks), can use Workbox, service workers, IndexedDB/localStorage.

**🧩 14. Open Source Friendly Stack**

* **Frontend**: React / Next.js + Tailwind CSS
* **State Mgmt**: Zustand / Redux Toolkit
* **Backend**: Firebase / Node.js + Express + Prisma (PostgreSQL)
* **Auth**: Firebase Auth / Supabase / Magic Link
* **Realtime**: Socket.IO or Firebase Realtime DB
* **Offline**: PWA + IndexedDB
* **Hosting**: Vercel / Netlify / Firebase Hosting

✅ *Judging Fit:* Clean, modular, performant, and extensible.

**🕋 15. Prayer Time Widget (Campus-Aware)**

* Shows daily **Salah times** for IUT location (based on Gazipur, BD).
* Auto-highlights current prayer.
* Optional reminders 10 minutes before each Salah.
* Hijri date display beside Gregorian.

✅ *Tech Stack:* Use open-source APIs (e.g., Aladhan API) or local calculation libs.

**🕯️16. Islamic Study Pods**

* Study pods dedicated to:
  + Islamic history
  + Tafsir and Hadith circles
  + Arabic learning groups
* Structured like other study pods (notes, sessions, timer)

✅ *Adds spiritual and academic value*

**📖17. Good Deed Wall**

* Like the “Wholesome Wall” but for:
  + Islamic reflections
  + Quotes from Qur’an or Hadith
  + Anonymous sadaqah ideas
* Peer-upvoted for authenticity and kindness.

✅ *Encourages positivity rooted in faith*

**💬18. FiqhBot / Ask Anonymously**

* Anonymous question box:
  + “Can I pray in this clothing?”
  + “How to deal with missing a fast?”
* Either answered by verified Islamic Club volunteers (e.g., IUT ISOC) or admin-screened.
* Saved in FAQ section.