Project plan -

Weekly Agile development

Week -

1. 1 doc/ pdf print in 3 steps - 1. scan, 2. give file, 3.pay
   1. Study google cloud print & HP print app - **done**
   2. UPI pay and print. Calculate how much to pay @ 1 re/pg - **in progress** (payment not done)
      1. Need costing -
         1. Need paid domain
         2. Need paid server to host with HA
         3. Time duration - 5 years
         4. Buy and proceed (Capacity of 100 printers/ 50 shops)
   3. Print 1 doc - **in progress**
      1. Current state (26 June) - 4 steps — Connect is a separate step.
   4. Demo -  **in progress**
2. Add print options - select file, support file types, color/ BW, single-double, multiple page on sheet
3. Printer options - generic, to work with any kind of printer, like google cloud print works with all - **done**
4. Security, Auth, anti-hack - **TBD**
5. Phase 1 delivery = Give solution to 1 customer and take payment + recurring payment setup with 5 year availability & 6 months support, slow later.
6. Phase 2 - Generic product3 Weeks are on the Product requirements document (PRD). PRD will be shared. Add features.
   1. Maybe use BLE - on/off check
   2. Publish app on play store
   3. Backend, database, app upgrade mechanism
   4. Front end features

At the end of week 8, submit the app and documents.

Weeks 9-10 → Write report, revise, submit.

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References

1. TRLs - <https://en.wikipedia.org/wiki/Technology_readiness_level>
2. Agile software development - <https://www.agilealliance.org/agile101/>

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Open source credits

**Study google cloud print & HP print app**

| **#** | **Name** | **Web or App** | **Connectivity of printer** | **doc formats** | **Paid or not** | **Print options** | **Printers supported** | **Mobile app?** | **Doc goes to cloud?** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | HP Print | Both | Wifi/ LAN/ Bluetooth | all | Paid app, prints can be free or paid, per setup. | all | HP printers only (smart series) | Yes | Likely, Optional delete | * Works only on HP printers |
| 2 | Google Cloud Print | Web only | Wifi/ LAN only | all | Free | all | All, likely being **deprecated** - very slow | No | Yes | * Slow (because network) * Needs a lot of info about printer, before it shows up to use (tough for general user to know all that) * Saves docs on cloud - privacy |
|  |  |  |  |  |  |  |  |  |  |  |

Strategy Canvas - to define unique positioning of your product.

ERRC framework.

Code versions