|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PS–Number | PS – ID | PS – Title | Organization | Domain Bucket | Possible Solution | Tags |
| 31 | 1317 | Development of a Digital Platform for multi-modal visibility of coal transportation | Ministry of Coal | Smart Automation | We can keep track of the transported coal by adding making an app which is used by everyone involved in transporting coal. Similar to how Swiggy works, FedEx/Amazon works. When the said coal is reached at a checkpoint, the person there logs it into the app. | Easy, Map, Server Update |
| 33 | 1319 | Forecasting and scheduling of railway rakes. | Ministry of coal | Smart Automation | Make an app which the coal miners updates as the mining is done, through which the railway rakestar will check the total production, and even production rate, distance, time taken, so as to send an appropriate amount of rakes. | Easy, Mapping updates to server, similar to how Amazon seller works. |
| 36 | 1322 | Domestic Waste Management | Government of Kerala | Clean & Green Technology | Smart Bins with attached QR display/ticket counter, which when scanned via your phone gives you points. The longer the distance of the bin from your home, the closer the bin from the main dump/collector, more the points. The app also has attached map to tell you which bin gives how many points (based on the location you stay/your phone was for past 24 hours). Can also give badges of achievements for the same. | Medium, Integrating it with smart bins is costly, points counter, QR code, tickets also costly. |
| 43 | 1332 | Hot metal, Steel Ladle, and Scrap pot Tracking by auto-capturing the Ladle number and locations at SMS-1 and SMS-2. | Rashtriya Ispat Nigam Limited, Visakhapatnam Steel Plant | Transportation & Logistics | Basically building a CV program for when the product reaches a mark, the serial numbrs are noted and broadcasted automatically. | Medium, requires CV and lots of model training |
| 46 | 1338 | Unpredictable failure of poly pulleys along cable belt conveyor system for pulley changing | Ministry of Mines | Transportation & Logistics | Make a statistical data analytics model which when given input of a pulley usage, could predict the “warning” phase of the pulley and hence to be replaced. | Easy, requires data and statistics of all previous pulleys and making a simle model of usage vs breakdown |
| 47 | 1339 | Automation of drill core rock sample lithology logging. | Ministry of Mines | Transportation & Logistics | Using CV to identify the rock and mark the area with the rock sample. | Easy build, requires heavy model training |
| 48 | 1340 | Application for Assessment of Quality of Textbook/ Reference Books/ E- Book | Ministry of AYUSH | Smart Education | Make an Amazon Kindle like application but with a chat app such that teachers can freely chat with the publisher and guide them | Very Easy |
| 51 | 1343 | Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms | Ministry of AYUSH | MedTech / BioTech / HealthTech | Making a model based on CV to detect the plant type | Easy but requires ML heavy |
| 52 | 1344 | Al-based tool for preliminary diagnosis of Dermatological manifestations | Ministry of AYUSH | MedTech / BioTech / HealthTech | MedeSkin AI copy | Medium |
| 53 | 1345 | Startup-AYUSH Portal | Ministry of AYUSH | MedTech / BioTech / HealthTech | Basically building a website for their startup | Easy |
| 54 | 1346 | Chatbot to Known Individual Prakriti (Phenotype) | Ministry of AYUSH | MedTech / BioTech / HealthTech | Just a chatbot with questionnaire which build a character of the user into different types like players. | Easy – Medium [Depending on intensity of questions] |
| 55 | 1347 | A software that suggests drugs and formulations for a disease/pharmacological property based on the Ayurvedic classical books/Repositories. | Ministry of AYUSH | MedTech / BioTech / HealthTech | Basically a recipe generator app | Very Easy |
| 56 | 1348 | Natural language translation engine for announcements and information dissemination at stations | Ministry of Railways | Smart Automation | Basically making an app that can speak and text your queries to railways and vice verse. Having API fetching capabilities for other information updates. | Easy – Medium [Depending upon number of features and accuracy of chat bot] |

**NOTE: 51, 53, 54, 55 are very similar and can be jotted down into one project.**

Simple and Hard:

1316(30)[Inaccuracy risk]

1326(39) [Scaler/Unacademy for free]

1333(44) [Basically filter out jobs based on what they will be eligible to do.]

1350(58) [ Search for “draw a game” game. Bascically building only that with maps, and ML regarding placement of lines and dots are there.]

Faaltu:

1318(32)[magicBricks for land lmao]

1321(35)[data collection bot that is active and measuring everything 24x7]

1324(37)[No usage/audience, no future scope in features]

Chocolate Problem: 1325(38) { Use NLP for calls, ML for catching disease, AI for contacting others }

Chocolate Problem: 1329(40) { Web crawling in different websites, pdfs, videos; check whether news is negative or positive, inform the concerned officer if negative }

Chocolate Problem: 1330(41) { Text to video, and copyright free; of a news website and post it automatically on social media }

Chocolate Problem: 1334(45) { Duolingo for disabled people }

Chocolate Problem: 1349(57) { Backtracking person from incident to the nearest required location using CV and ML along with a bunch of network of CCTV cameras.}

Ghanta Samajh Nahi aaya humko : 1331(42), 1341(49), 1351(59)

Shouldn’t 1342(50) be part of hardware solution??