Problem Statements 1 :

There are 415 Active Packages in DYD.

Each Package has got Labour Price plus Parts Price.

Due to non-availability of parts price except for few Batteries and Tyres, we are have increased the labour price.

There are 40 Brand of cars like Maruti, Honda, Mercedz etc. and 158 Models like Baleno, Amaze, Benz G Class etc.

Each Model has got separate parts. Around 150 parts will be there for each model or may be 200.

In the database, there are 73 segments for all the models.

But as per automobile industry standard there are 5 segments for all the Brand and Models.

We have reduce the segments and also labour rate will based on each segment. For example labour rate for Oil Change for Maruti Baleno will be lesser than Oil Change for Mercedz Benz G Class etc.

Stage 1 — Manual Segment Change & Labour Rate Update (Using Existing Backend Logic)

| **Task No** | **Task Name** | **Description** | **Resource** | **Time per Unit** | **Total Units** | **Total Time (mins)** | **Total Days (1hr/day)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Define 5 Segment Categories | Finalize 5 segments per industry standard | PM | — | — | — | 2 days |
| 2 | Model-to-Segment Mapping | Manually map 158 models to 5 segments | Ops / Support | ~3 mins/model | 158 models | ~474 mins | 8 days |
| 3 | Labour Rate Matrix Setup | Finalize labour/hr rate per segment for all services | PM + Ops | — | 5 segments | ~180 mins | 3 days |
| 4 | Segment + Labour Price Update | Manually update 415 packages (2 mins/pkg) | Ops + Backend | 2 mins/pkg | 415 | 830 mins | ~14 days |
| 5 | QA Validation in Test Env | QA verifies 415 packages (1 min/pkg) | QA | 1 min/pkg | 415 | 415 mins | ~7 days |
| 6 | UAT Walkthrough | PM/QA to walk through logic & pricing | PM + QA | — | — | — | 2 days |
| 7 | Manual Prod Update | Re-do segment + labour rate change in live DB | Ops + Backend | Same as Test | 415 | 830 mins | ~14 days |
| 8 | Smoke Testing in Prod | Basic checks in prod for segment & labour price | QA | Sample Based | — | ~120 mins | 2 days |
| 9 | SOP & Documentation | Capture steps, rollback SOP, internal notes | PM + Support | — | — | — | 1 day |

**Summary**

* 🧮 **Manual update time (Test + Prod)** = 830 mins × 2 = **1660 mins = ~28 days**
* 🧪 **QA & UAT** = 7 + 2 + 2 = **11 days**
* 🗂️ **Support Tasks** = 8 days mapping + 3 days labour logic + 1 day SOP = **12 days**

🗓️ **Total Project Duration (realistic): ~40–42 working days (~8.5 weeks)**  
🧑‍💻 **Resources Needed:**

* 1 Product Manager
* 1 Ops/Support Staff
* 1 Backend Dev
* 1 QA Tester