



New Product Development Module

G.A.P OSM's NPD (New Product Development) module ensures a smooth Design & Development Activity which is based on APQP and simultaneously prepares all the required PPAP documentation.

It creates and saves all the documents required for Verification, Validation, Process and Product Monitoring. It also results in a smooth transition from Development to Production.

It keeps a tab on the Product Cost and the Time frame.

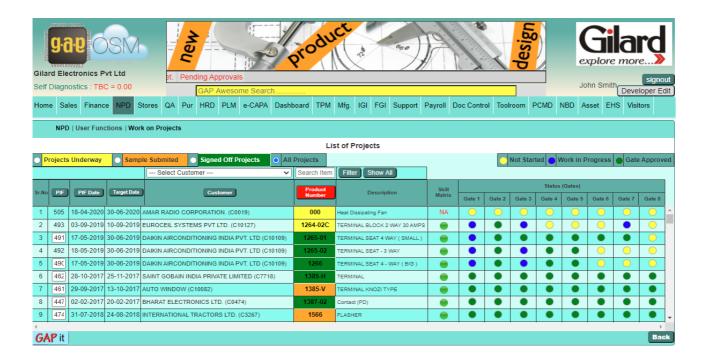
The various Activities covered under NPD module are shown below:-

- Project Initiation
- Projects Listing
- Working on Individual Product
- Function Identification & Study / Quality Function Deployment (QFD)
- Quality Function Deployment (QFD)
- Design Validation Plan (DVP)
- Performance Testing Sheet
- Product Costing Sheet
- Part List with details
- Development Status Review
- Defining the Process Stations with Required Inputs
- Process Flow Chart
- Process FMEA Work Sheet & Print Out
- Special Characteristics Matrix
- Inspection Sheet for Layout
- PDI Sheet (Pre Despatch Inspection)
- Checking Aids List
- Skills Required and Available Plan
- Skills Development Plan
- Child Part Detailing
- · Child Part Raw material details
- Child Part Processing Details
- Child Part Finishing details
- Child Part Control Plans
- Part Submission Warrant
- PPAP Documents

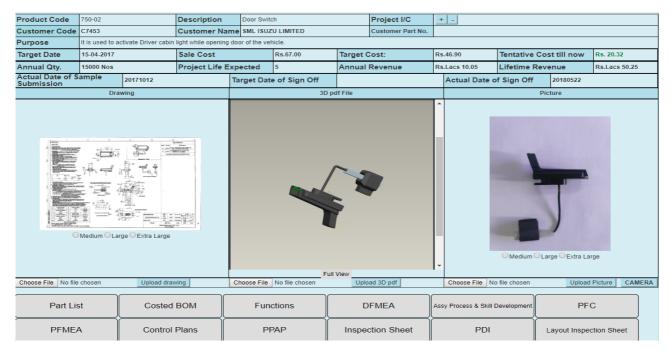
Project Initiation

Edit Project Information								
Product No.	2352		Customer Part No. :	26751542				
Date:	06-05-2019		Customer:	INDRAD AUTO COMPONENTS-KANCHEEPUF ▼				
Product Description:		RADIATOR RESISTOR 0.4	43 OHMS					
Product Purpose:	RADIATOR RESISTOR							
Annual Qty:	120000		Project Life Expected:	5				
Sale Price:	90		Target Cost:	50				
Target date of Completion:	06-10-2019							
Project Designated to:	E2459(Sijo Joseph)E2406(Ankush Dhiman)E2337(Vikrant Verma) + -							
Annual Revenue:	1,08,00,000		Lifetime Revenue:	5,40,00,000				
					Update and Exit Cancel			

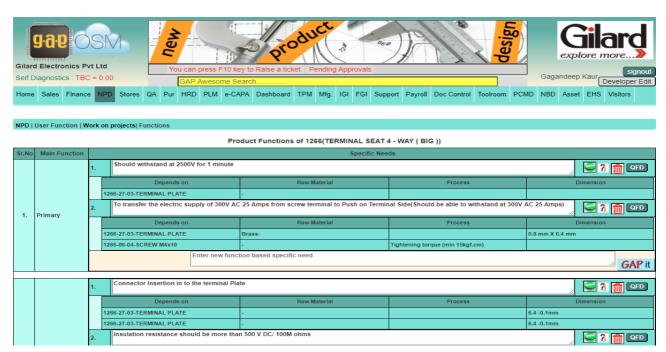
Projects Listing



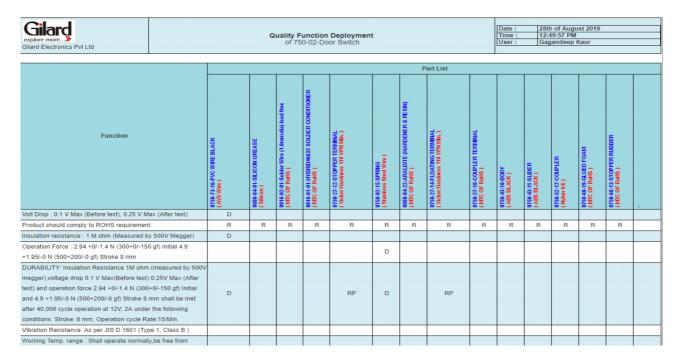
Working on Individual Product



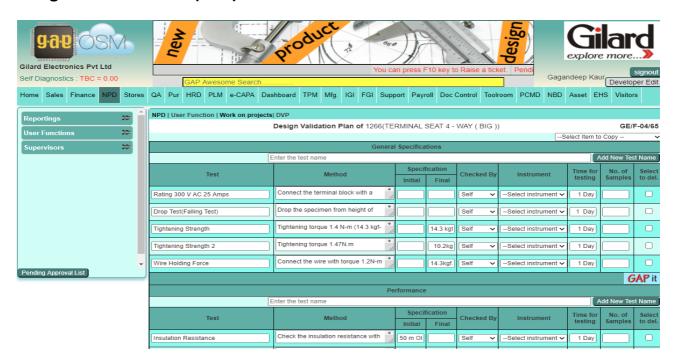
Function Identification & Study / Quality Function Deployment (QFD)



Quality Function Deployment (QFD)



Design Validation Plan (DVP)



Performance Testing Sheet



 Part Name:
 750-02-Door Switch
 Customer:
 C7453-SML ISUZU LIMITED

Performance Test(Initial)

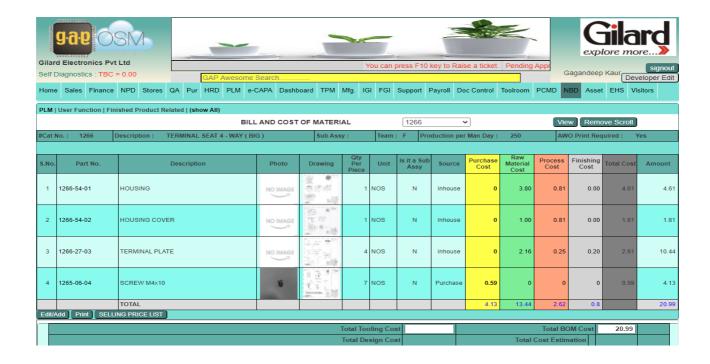
S.no.	Test	Method	Equipment	Specification		
	Test			Specified	Observed	Result
1	Rating			12 Volts,2Amperes		
2 Inculation Registance	Insulation Rasistance	Check insulation resistance between	IT-	1M Ohms		
	insulation (Vasistance	Terminal and Body.	11-			
3	3 Voltage Drop	Check voltage drop across the terminals		0.1 V		
3 Voltage Dit	Voltage Diop	of switch at On position		0.1 V		
4	Operating Force	Push the switch with Knob of Force	FG-	2.94+0/-1.47N(300+0/-150GF)		
4 Operating 10	Operating Force	Gauge				

Climatic/Endurance Test

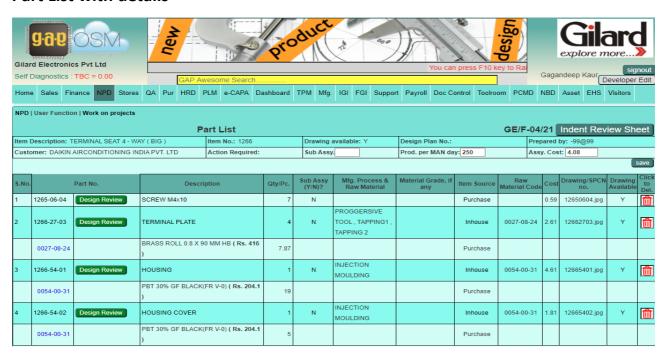
1.Durability

Test:	Durability				
Method :	Shall Fullfill Insulation resistance, Voltage Drop and operation force after 40000 cycles at 12V,2A under the following condition-Stroke 8 mm, Operation Cycle Rate-15				
	SPM				
Equipments:					
Post Test Observations: Results					
Performance(Final)					

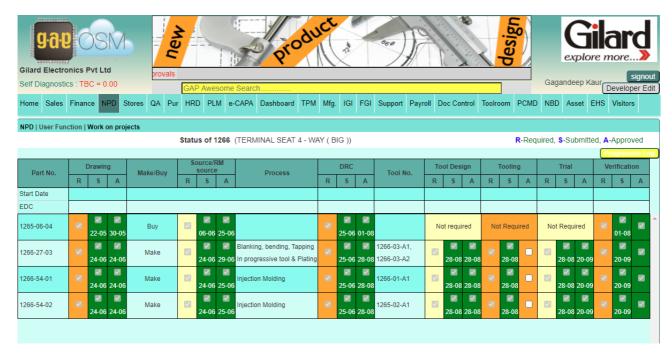
Product Costing Sheet



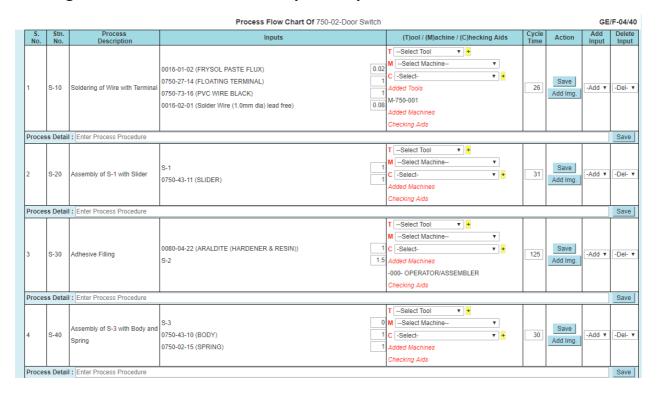
Part List with details



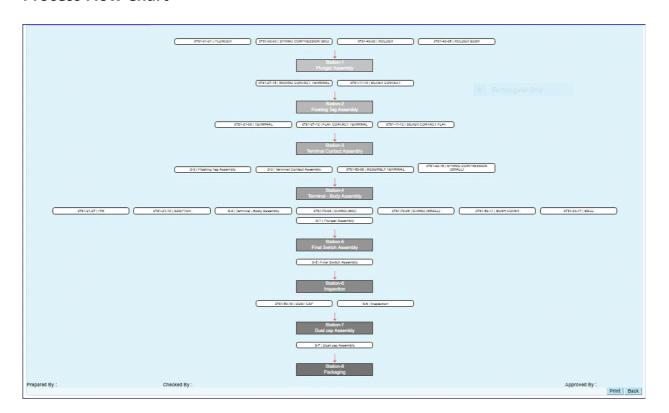
Development Status Review



Defining the Process Stations with Required Inputs

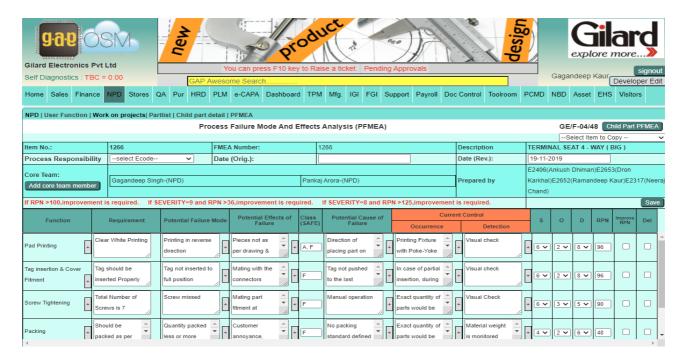


Process Flow Chart

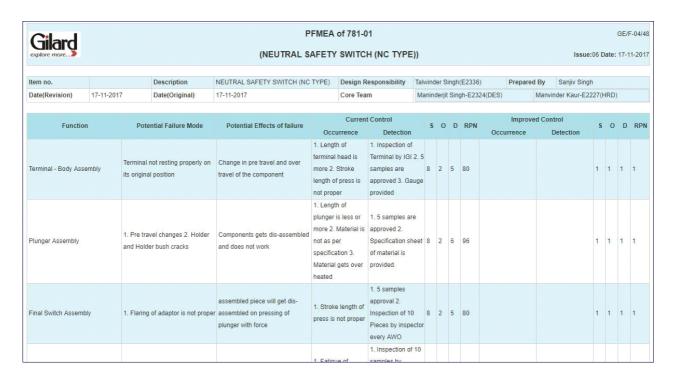




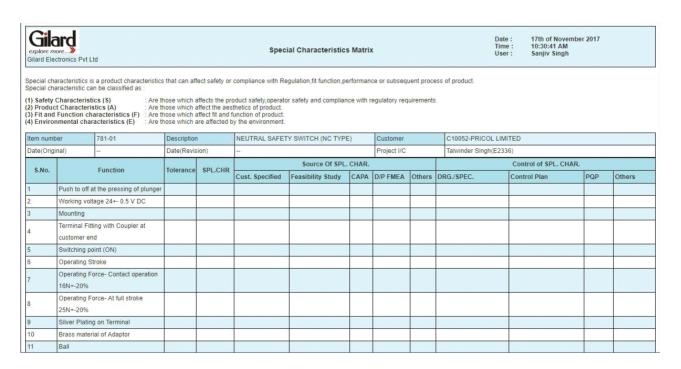
Process FMEA Work Sheet



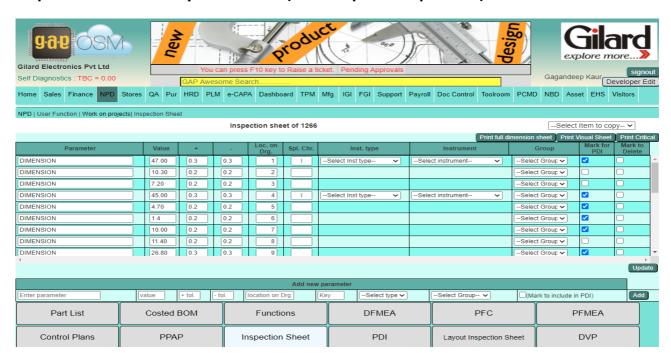
Process FMEA Print Out



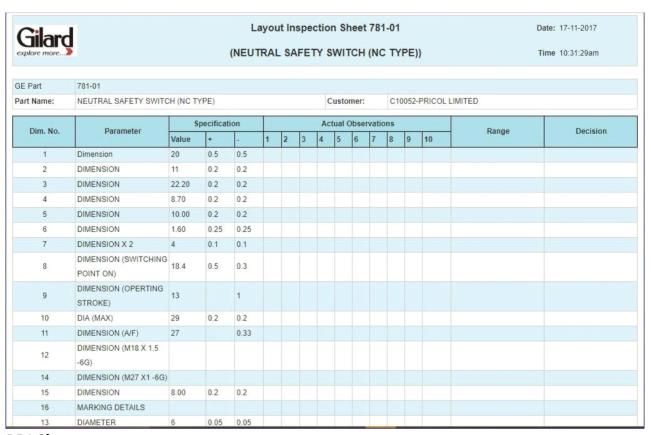
Special Characteristics Matrix



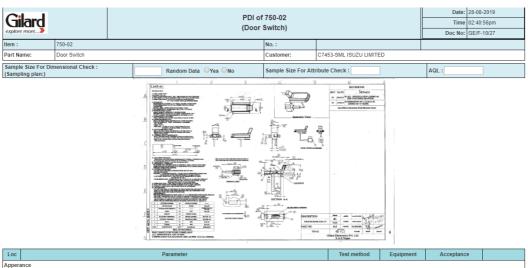
Inspection Sheet for Layout and PDI (Pre Despatch Inspection)



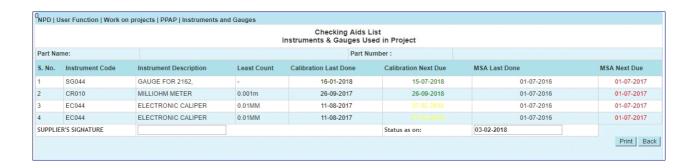
Layout Inspection Sheet



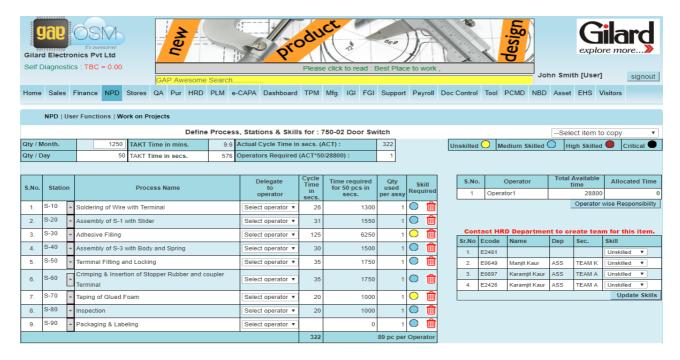
PDI Sheet



Checking Aids List



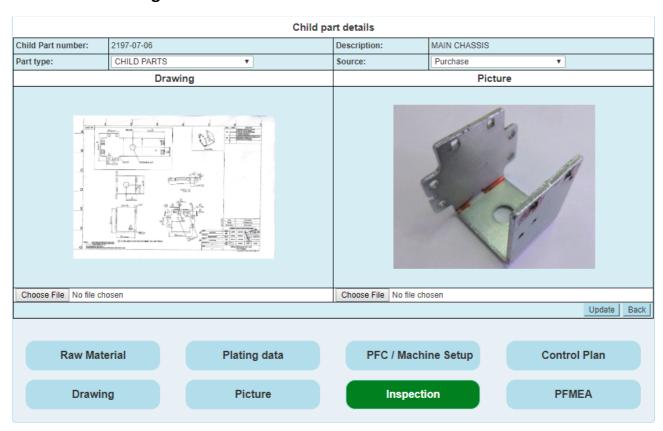
Skills Required and Available Plan



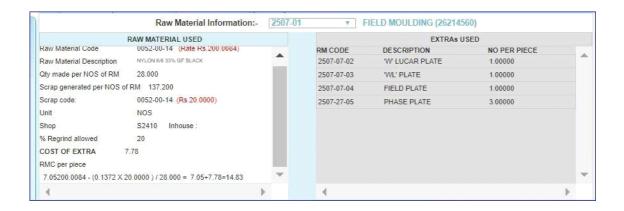
Skills Development Plan



Child Part Detailing



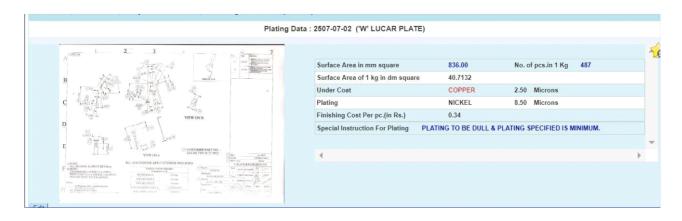
Child Part Raw material details



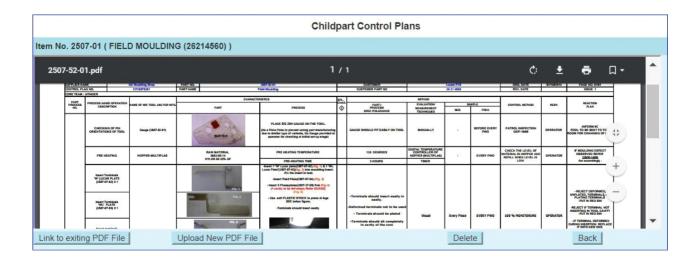
Child Part Processing Details



Child Part Finishing details



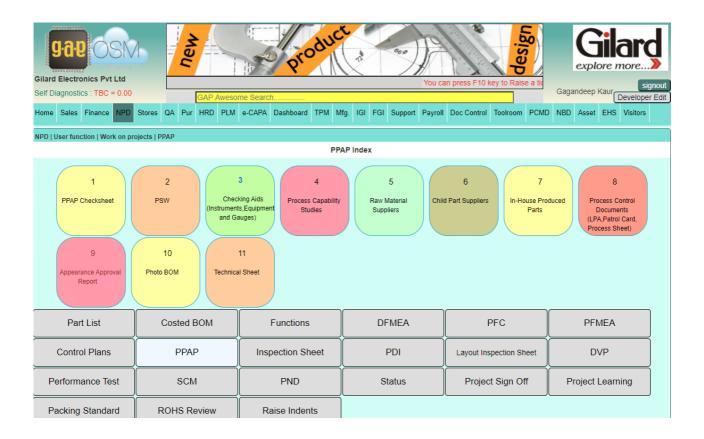
Child Part Control Plans



Part Submission Warrant



PPAP Documents



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