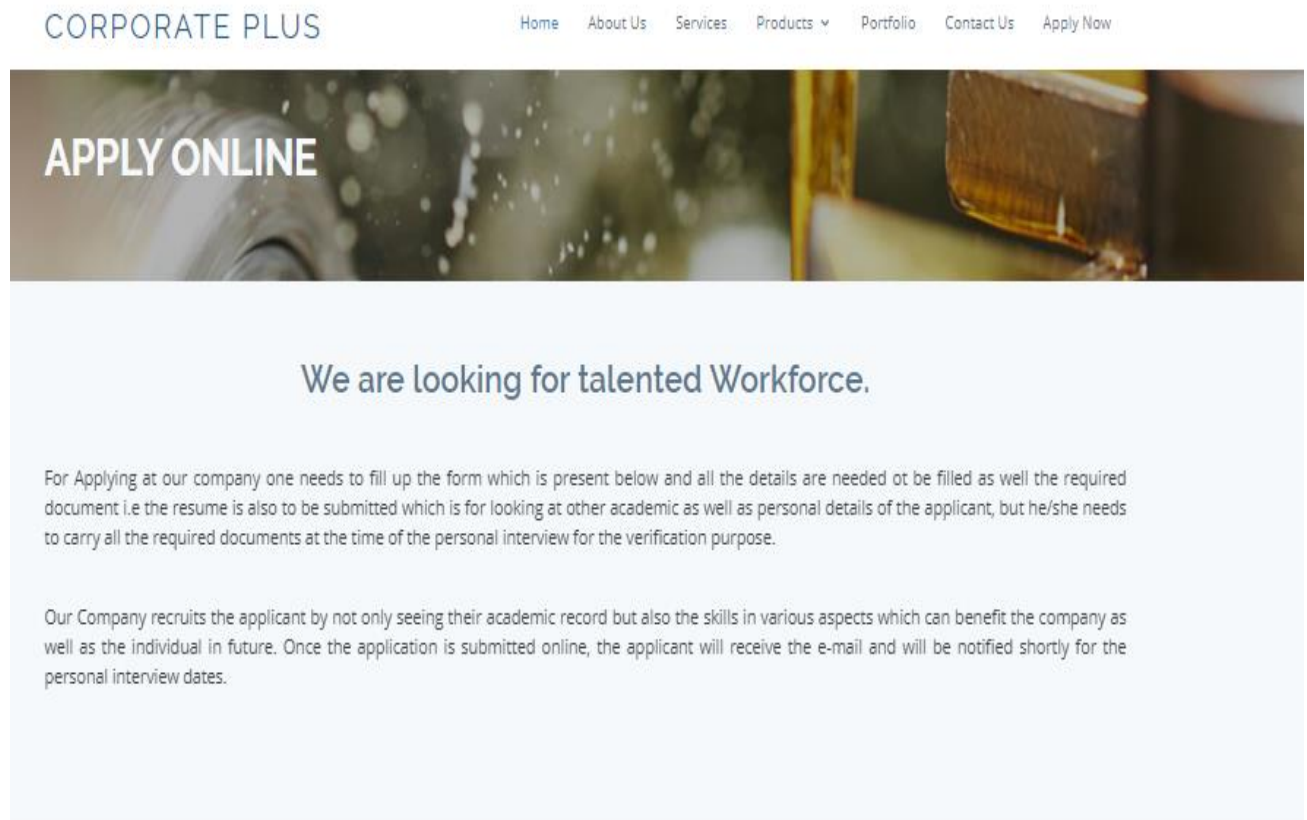


1. Adding the functionality of applying for job through the website is created, where in any interested applicant can fill in the details mentioned in the form, the option for uploading 10th, 12th or diploma marksheet is not kept as it can become a matter of privacy, but along with several fields the applicant must upload their resume so that the recruiting committee can get detailed overview of the applicant's academic records as well as personal interests. On successful submission of the application, the applicant will receive an e-mail and the application will go in the ERP application so that it could be viewed by HR. (16IT073)



Please fill all the details

Fig 13.1 Apply Now Page

CORPORATE PLUS[Home](#) [About Us](#) [Services](#) [Products](#) [Portfolio](#) [Contact Us](#) [Apply Now](#)

Please fill all the details

Name :

harsh

Email :

harshp1898@gmail.com

Phone Number :

9090000000

Educational Qualification

SSC (10th) % :

90

HSC (12th) % :

90

Diploma % :

NA

Choose your highest qualification :

B.Tech

Choose your specialization :

Computer Engineering

Interested Field :

mm

Work Experience :

9

Resume :

Choose file

Browse

Apply

Fig 13.2 Applicant applying through website

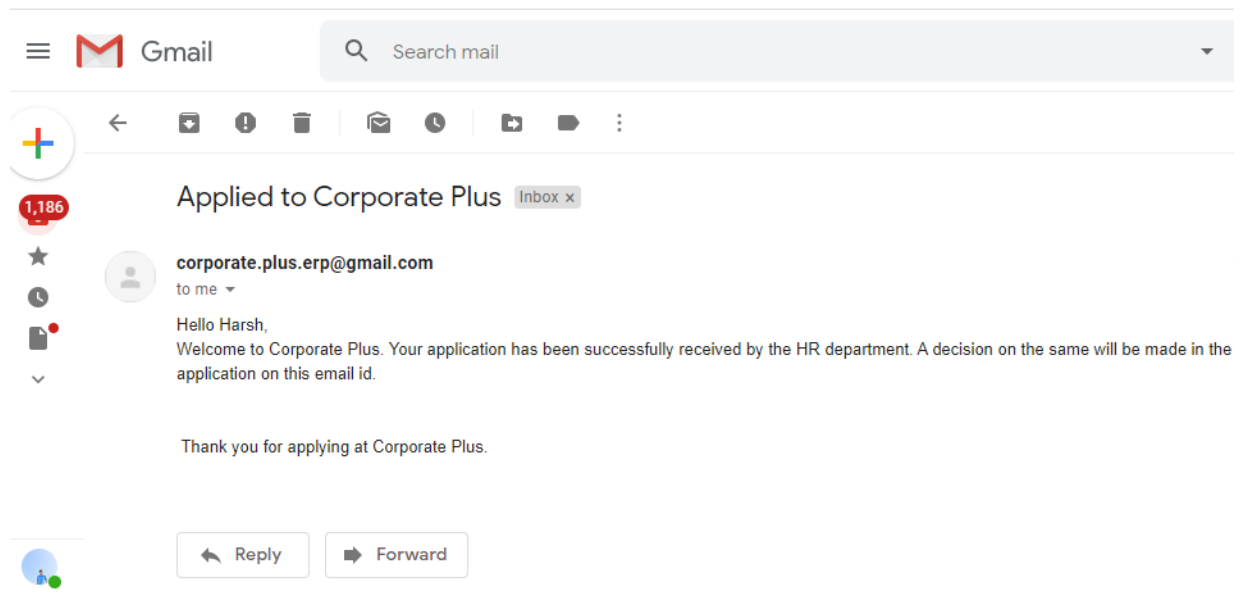


Fig 13.3 E-mail to the applied applicant

Available Applicants Home / Show Applicants







Available Applicant's List										
Image	Name	Email	Contact Number	10th (%)	10th Marksheet	12th (%)	12th Marksheet	Diploma (%)	Diploma Marksheet	Highest Qualification
	Rahul Brahmhatt	rahulbrahmhatt13@gmail.com	9033969150	89		75		NA	-	B.Tech
	Rahul Brahmhatt	rahulbrahmhatt13@gmail.com	9033969150	85	-	75		NA	-	M.Tech
	harsh	harshp1898@gmail.com	9090000000	90	-	90	-	NA	-	B.Tech

Fig 13.4 Applicant entry added in the Corporate Plus ERP web application

- Adding various products along with their images, mini description and a pdf that gives detailed description on the same, to the database. Also, while adding a new product, the image upload is given a functionality to generate a random name using the combination of rand() and function time() for that image so it will be maintain its uniqueness in the folder of uploaded files. Next, category wise product pages are created and using the query they are fetched from the database using the product_category_id field and are displayed in their respective pages. There are two options provided while any user clicks on any product image, the first one shows the image in larger dimensions with the product name and the second one will take the user on the other page where more detailed information about the product can be displayed but at this point of time that functionality is not created, but will be made in the next week. (16IT073)

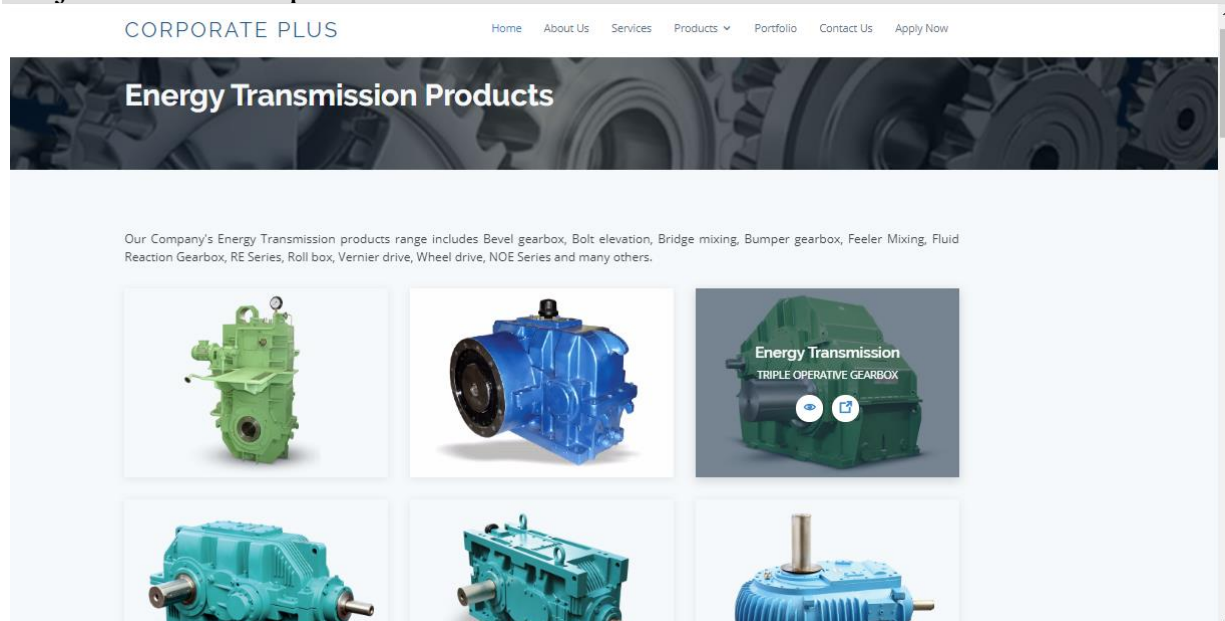


Fig 13.5 Energy Transmission Products



Fig 13.6 Viewing the products on enlarged scale

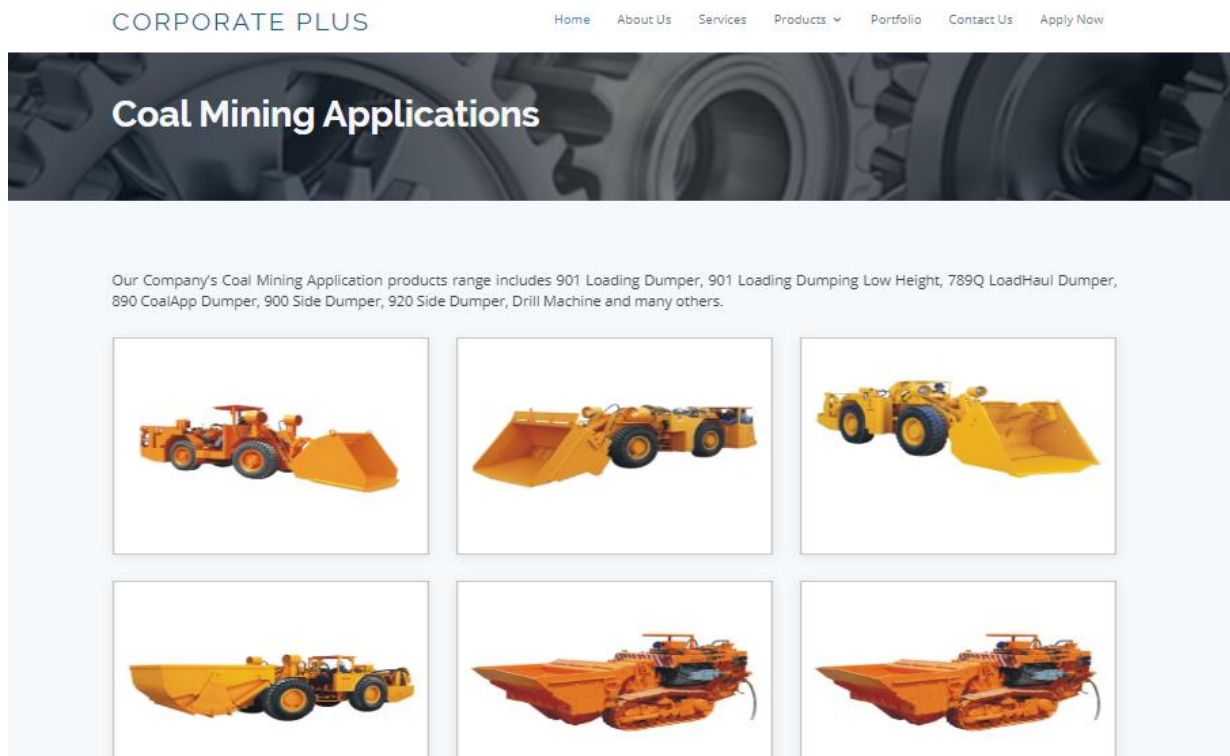


Fig 13.7 Coal Mining Applications products

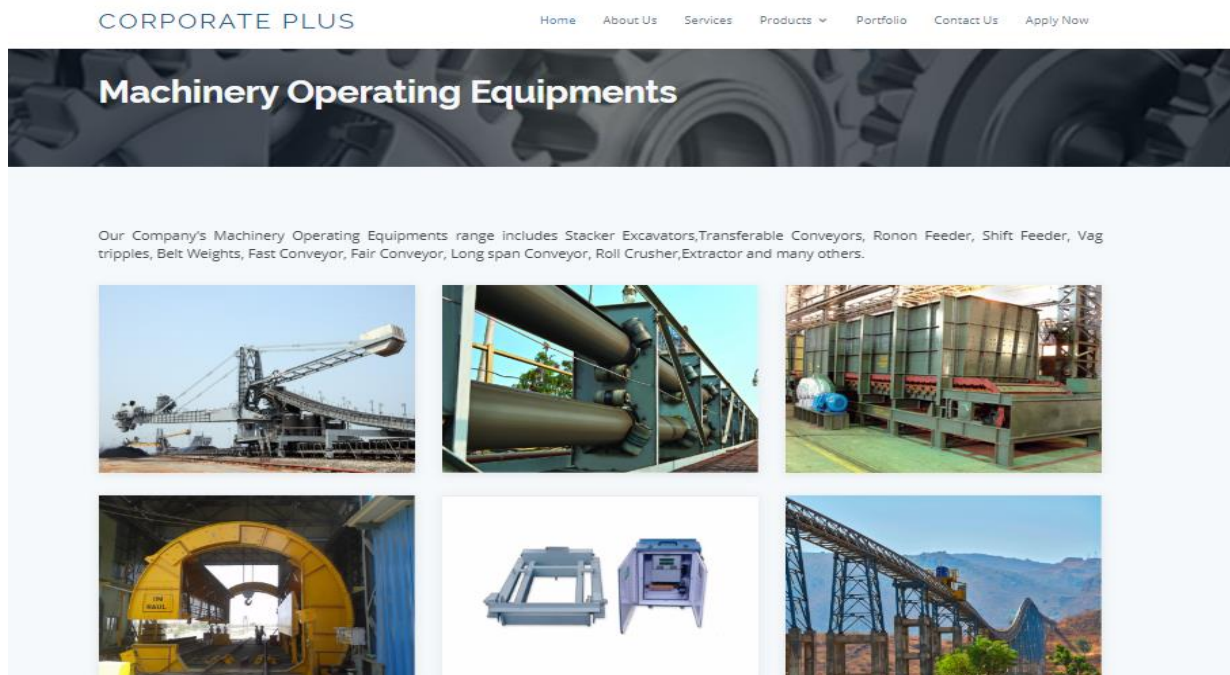


Fig 13.8 Machinery Operating Equipments products

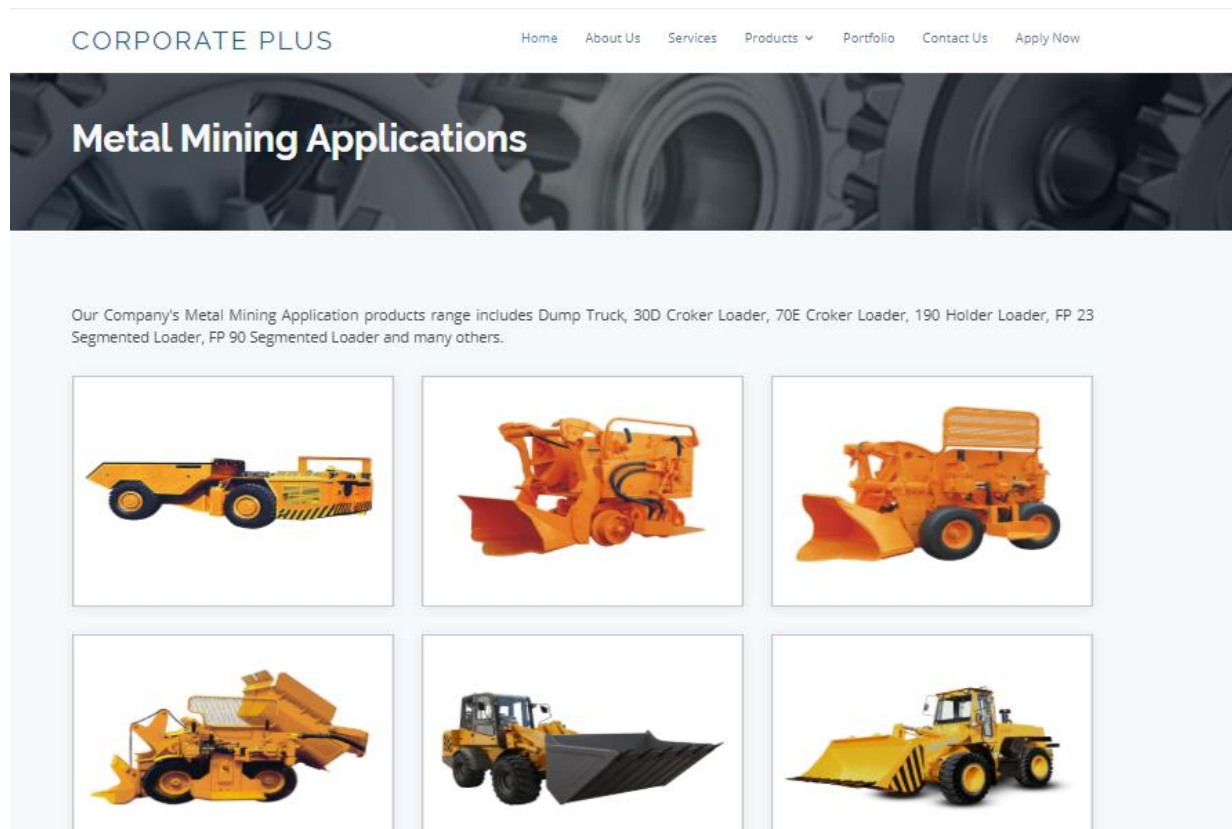
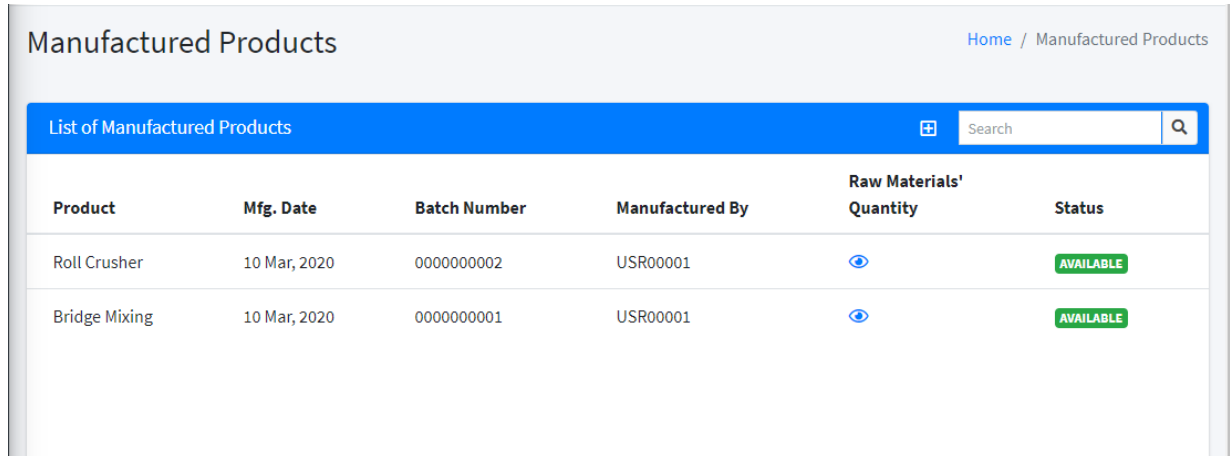


Fig 13.9 Metal Mining Applications products

- Made changes in manufactured product list. A new field 'status' was added to specify whether that product is in stock (available) or sold. Also a modal has been used to show quantities of raw materials used in manufacturing of that product. Modals are popups, in which desired html can be added. (16IT139)

	product_manufacture_id	product_id	batch_number	manufacture_date	manufactured_by	status
<input type="checkbox"/> Edit Copy Delete	11	48	0000000001	2020-03-10	1	0
<input type="checkbox"/> Edit Copy Delete	12	75	0000000002	2020-03-10	1	0

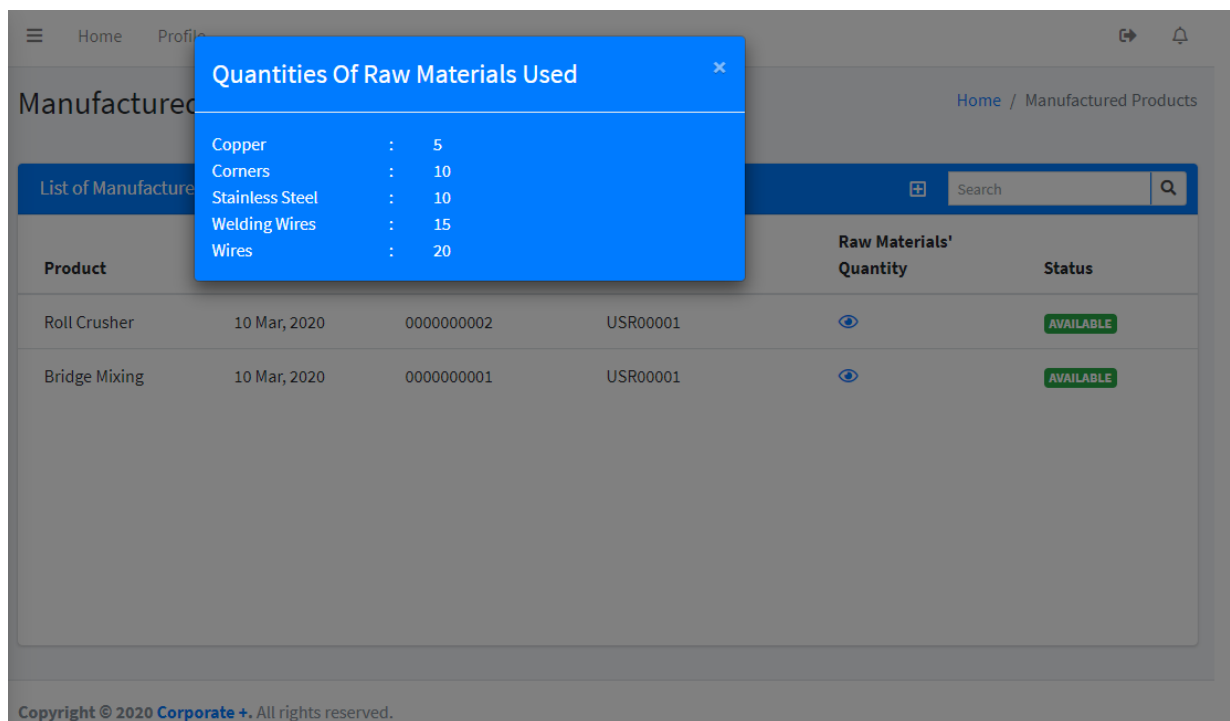
Fig 13.10 Database schema – 'products_manufactured' table



The screenshot shows a web application interface for 'Manufactured Products'. At the top, there is a breadcrumb trail 'Home / Manufactured Products'. Below this is a blue header bar with the text 'List of Manufactured Products' and a search bar. The main content is a table with the following columns: Product, Mfg. Date, Batch Number, Manufactured By, Raw Materials' Quantity, and Status. Two rows are visible: 'Roll Crusher' and 'Bridge Mixing', both with a status of 'AVAILABLE'.

Product	Mfg. Date	Batch Number	Manufactured By	Raw Materials' Quantity	Status
Roll Crusher	10 Mar, 2020	0000000002	USR00001		AVAILABLE
Bridge Mixing	10 Mar, 2020	0000000001	USR00001		AVAILABLE

Fig 13.11 Manufactured Products Page



The screenshot shows the same 'Manufactured Products' page as Fig 13.11, but with a modal window open. The modal is titled 'Quantities Of Raw Materials Used' and contains a list of materials and their quantities: Copper (5), Corners (10), Stainless Steel (10), Welding Wires (15), and Wires (20). The background table is dimmed.

Product	Mfg. Date	Batch Number	Manufactured By	Raw Materials' Quantity	Status
Roll Crusher	10 Mar, 2020	0000000002	USR00001		AVAILABLE
Bridge Mixing	10 Mar, 2020	0000000001	USR00001		AVAILABLE

Quantities Of Raw Materials Used

- Copper : 5
- Corners : 10
- Stainless Steel : 10
- Welding Wires : 15
- Wires : 20

Fig 13.12 Modal showing raw materials' quantities

4. Three new fields were added to the database of products namely 'product_pic', 'mini_description' and 'description_pdf'. All these fields were added to be displayed to the front-end-site-visitors. In descriptive pdf,

complete documentation of the product is added like volume, size, weight, etc. (16IT139)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	product_id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	product_code	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 3	product_name	varchar(100)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 4	product_category_id	int(10)			No	None			Change Drop More
<input type="checkbox"/> 5	product_pic	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 6	mini_description	varchar(2000)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 7	description_pdf	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/> 8	available_quantity	int(10)			No	None			Change Drop More
<input type="checkbox"/> 9	unit_cost	int(10)			No	None			Change Drop More
<input type="checkbox"/> 10	added_by	int(10)			No	None			Change Drop More
<input type="checkbox"/> 11	active	int(10)			No	None			Change Drop More

Fig 13.13 Database schema – ‘products’ table

Hence, changes were made in add product page, to allow user to add product description and upload product image and documentation pdf.

Now, it was necessary to show all these additional product information in the products page. But adding image, description and pdf link all in table itself spoiled the look of the page making it look too congested. To overcome this, only brief information was shown in the table and a 'view more' link with icon was added, clicking which popped a modal giving descriptive information about the product. This not only gave good look to the page, but also covered all the information including image and documentation pdf. (16IT139)

Products Home / Products

List of Products Search

Code	Name	Category	Available Quantity	Added/ Edited By	Status	View More	Edit	Disable
PRD00006	Cooling Gearbox	Energy Transmission	0	USR00001	ENABLED			
PRD00038	Transferable Conveyors	Machinery Operating Equipments	0	USR00001	ENABLED			
PRD00031	Pail Operator	Energy Transmission	0	USR00001	ENABLED			
PRD00063	FP 90 Segmented Loader	Metal Mining Applications	0	USR00001	ENABLED			
PRD00024	Hydro pair	Energy Transmission	0	USR00001	ENABLED			
PRD00056	920 Side Dumper	Coal Mining Applications	0	USR00001	ENABLED			

Fig 13.14 Products page

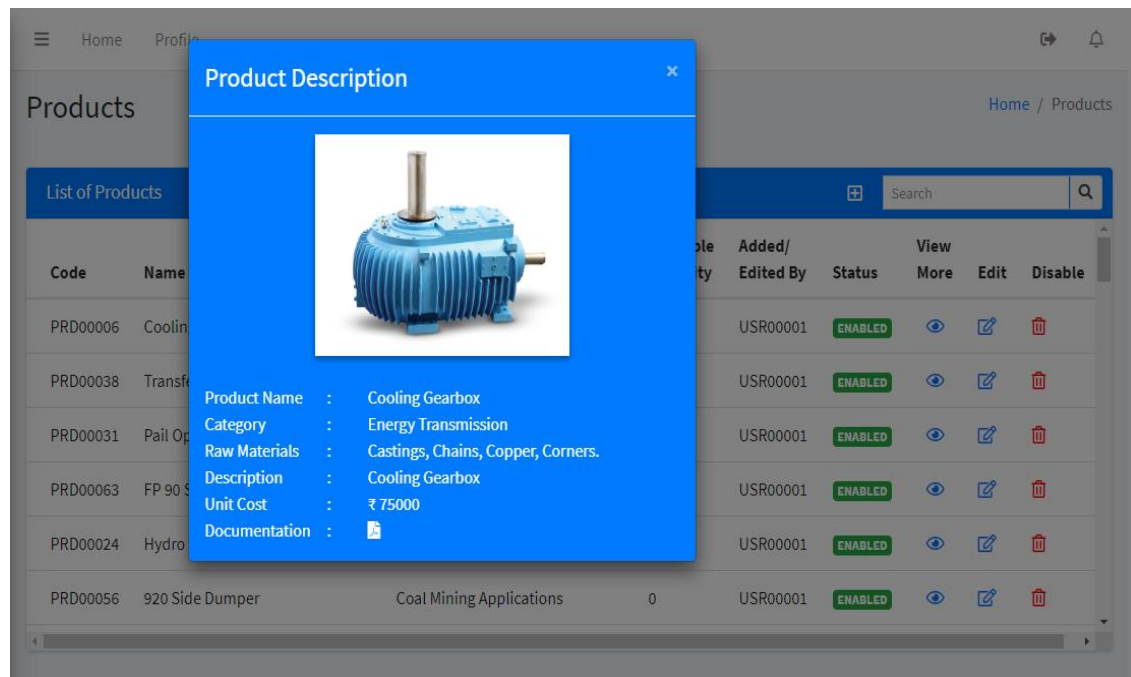
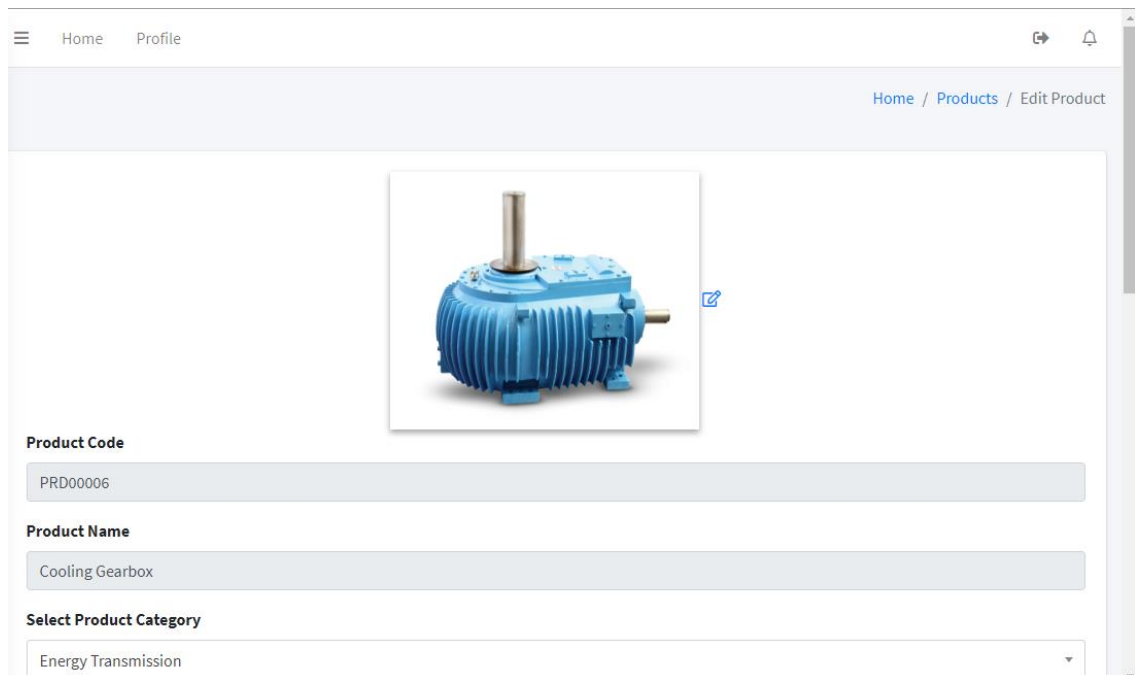


Fig 13.15 Modal showing product description

Other challenging task was to edit the pre-existing edit product page. Clicking edit button on products page leads to this page. Hence, it was mandatory to show all the current information of the product, auto-filled in the edit form. Hence a text area for product description and a file type input field was provided for documentation pdf. If no file is selected for

documentation pdf, it will remain the previous one(unchanged) after pressing the save button. And it will be updated if any file is selected.

Important part was for image update mechanism. Current image was shown using the img tag and next to it an edit icon is placed. Also a hidden file field is placed to upload new image. Now, on clicking that edit icon will indirectly click this file field, using jQuery. This will lead to open directory structure, allowing user to select new image file. Now it was necessary to show the preview of the selected image, without refreshing or uploading that file. To achieve this, we used a functionality of jQuery, File Reader. This read the selected file and produced a url to be given in src attribute of img tag to update the preview image. This preview is temporary and only made permanent when save button is pressed. (16IT139)



The screenshot displays a web application interface for editing a product. At the top, there is a navigation bar with a hamburger menu icon, 'Home', and 'Profile' links. On the right side of the navigation bar, there are icons for a document and a bell. Below the navigation bar, a breadcrumb trail shows 'Home / Products / Edit Product'. The main content area features a large image of a blue industrial gearbox. To the right of the image is a small blue edit icon. Below the image, there are three form fields: 'Product Code' with the value 'PRD00006', 'Product Name' with the value 'Cooling Gearbox', and 'Select Product Category' with a dropdown menu showing 'Energy Transmission'.

Product Description

Cooling Gearbox

Product Documentation (.pdf)

Choose File to Update Browse

Raw Materials

Select Raw Materials that are needed for product manufacturing:

Showing all 12 Filter >>

Brass
Engineered Plastics
Fittings
Keys
Locks

Showing all 4 Filter <<

Castings
Chains
Copper
Corners

Unit Cost(₹)

75000

☒ Status : Enable?

Save

Fig 13.16 Edit Product Page

5. A new functionality for barcode (1D) generation was added to the system, to generate desired number of barcodes for a particular product. Firstly, a page is created (generateBarcode.php) to allow user to select the product from the drop-down menu and select the number of barcodes needed. Clicking the 'Go' button will redirect to another page (barcode.php), where all the barcodes are generated. On the loading of this page, automatically print option pops up, through which user can print all the barcodes, cut them and stick them on the products. Barcodes on this page are generated using a user-defined function bar128() of barcode128.php file, which is included to this (barcode.php) file. (16IT139)

Generate Barcode Home / Generate Barcode

New Barcode Generation

Select Product

190 Holder Loader

Barcode Quantity

1

Go

Fig 13.17 Generate Barcode Page

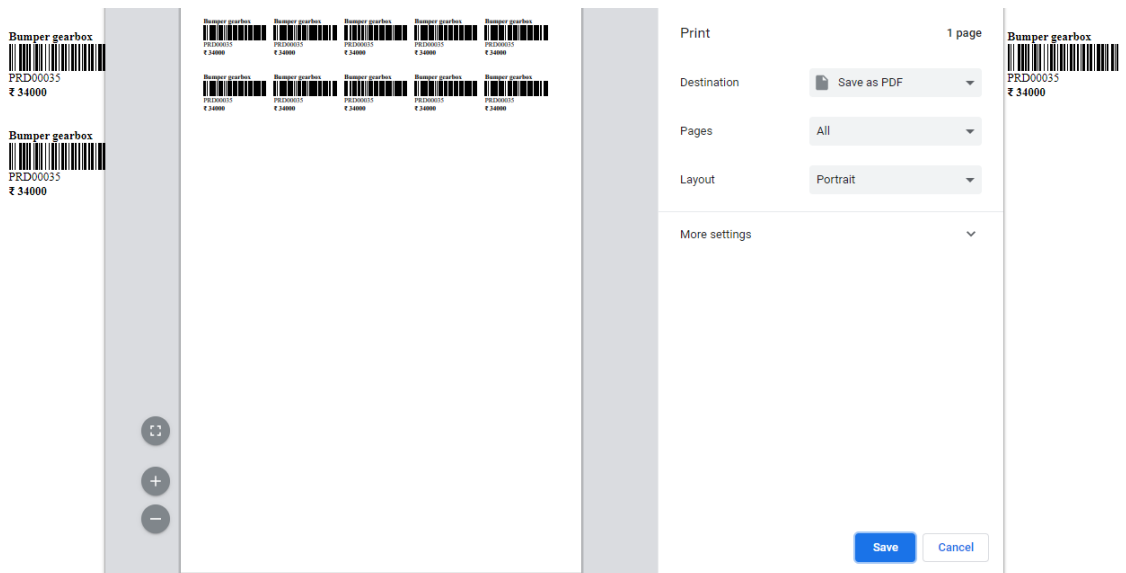


Fig 13.18 Auto-popped-up print dialogue box on barcode page

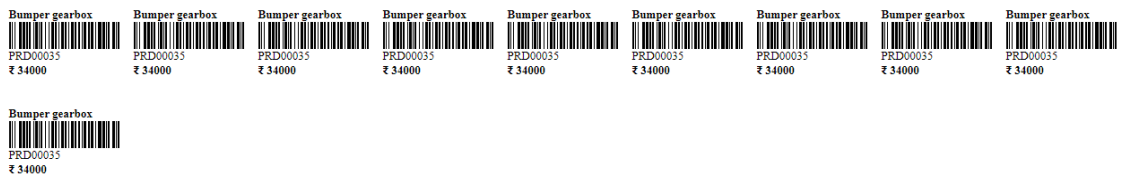
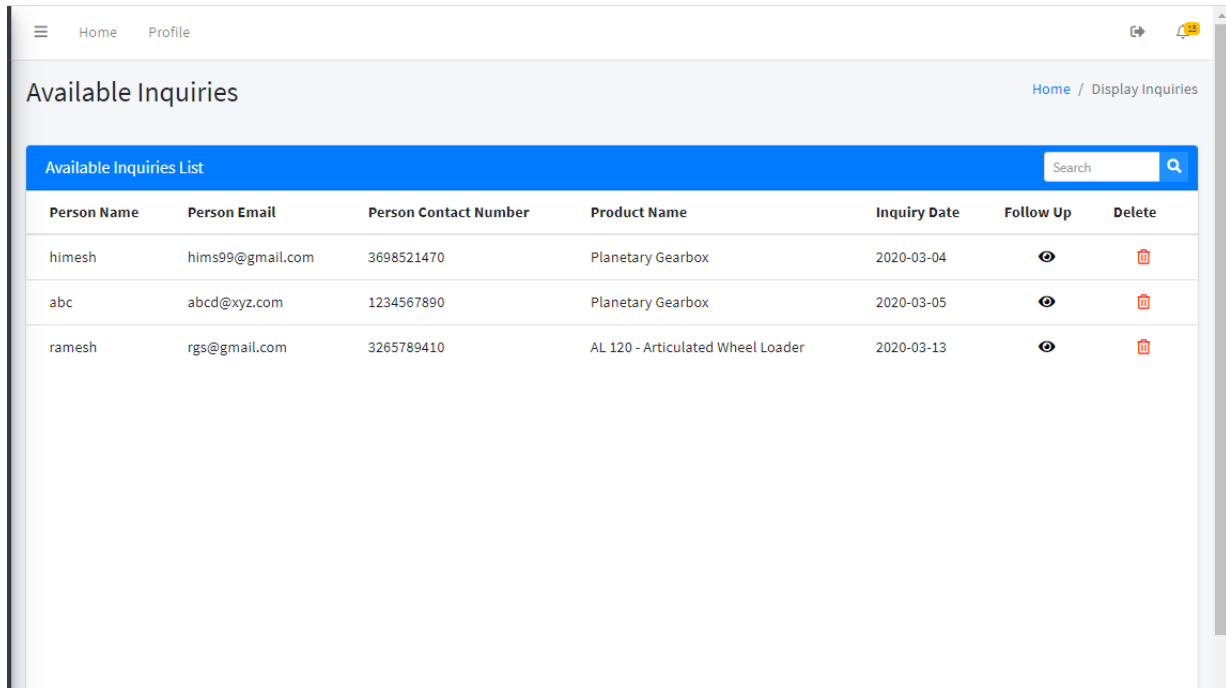


Fig 13.19 Barcodes on barcode page

6. To display the on-site inquiries in the system, a page called 'Available Inquiries' is created which provides the functionality to an authorized user to take the follow up on a particular inquiry, search among the list of inquiries and filter the required one out and also delete the unnecessary inquiries present in the system. To make this happen, an eye and a trash icon are selected from the various icons available in Bootstrap for the front-end. To make it function, the unique 'inquiry_id' is selected from the onsite_inquiry table via jQuery traversing so that a particular inquiry can be chosen to take the follow up or delete from the system. Also, the reason of choosing inquiry_id is that it is unique for each inquiry which makes it easier to handle many inquiries at a time. Also, this page will be made available only to the employees of Sales department. (16IT013)



Available Inquiries List						
Person Name	Person Email	Person Contact Number	Product Name	Inquiry Date	Follow Up	Delete
himesh	hims99@gmail.com	3698521470	Planetary Gearbox	2020-03-04		
abc	abcd@xyz.com	1234567890	Planetary Gearbox	2020-03-05		
ramesh	rgs@gmail.com	3265789410	AL 120 - Articulated Wheel Loader	2020-03-13		

Fig 13.20 Available Inquiries page

Reporting No:11 Week No: 13 From:09/03/20 To: 13/03/20
 Project ID:- PRJ/2020/IT/40
 Project Title: - Corporate Plus

SELECT * FROM `onsite_inquiry`

☐ Profiling [Edit inline] [Edit] [Explain SQL]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	inquiry_id	customer_name	customer_email	customer_phone	product_name	inquiry_date	added_by
<input type="checkbox"/> Edit Copy Delete	11	himesh	hims99@gmail.com	3698521470	Planetary Gearbox	2020-03-04	2
<input type="checkbox"/> Edit Copy Delete	13	abc	abcd@xyz.com	1234567890	Planetary Gearbox	2020-03-05	2
<input type="checkbox"/> Edit Copy Delete	14	ramesh	rgs@gmail.com	3265789410	AL 120 - Articulated Wheel Loader	2020-03-13	2

Fig 13.21 On-site Inquiry database

Home Profile

localhost says
Delete Inquiry?

OK Cancel

Home / Display Inquiries

Available Inquiries List

Person Name	Person Email	Person Contact Number	Product Name	Inquiry Date	Follow Up	Delete
himesh	hims99@gmail.com	3698521470	Planetary Gearbox	2020-03-04		
abc	abcd@xyz.com	1234567890	Planetary Gearbox	2020-03-05		
ramesh	rgs@gmail.com	3265789410	AL 120 - Articulated Wheel Loader	2020-03-13		

Fig 13.21 Delete Inquiry Function (i)

Home Profile

Available Inquiries

Home / Display Inquiries

Available Inquiries List

Person Name	Person Email	Person Contact Number	Product Name	Inquiry Date	Follow Up	Delete
himesh	hims99@gmail.com	3698521470	Planetary Gearbox	2020-03-04		
ramesh	rgs@gmail.com	3265789410	AL 120 - Articulated Wheel Loader	2020-03-13		

Fig 13.21.2 Delete Inquiry Function (ii)

7. Now, on clicking the eye icon, a new page called 'Inquiry Follow Up' will be opened (if user is having the access). This page is not shown in the left navigation panel, rather it is made available when eye icon corresponding to an inquiry is clicked so that redundancy can be reduced and the system can be made simpler. The path to this page is Home/Display Inquiries/ Inquiry Follow Up. Also, the database for follow up is made so simple using the 'inquiry_id' of onsite_inquiry table as a foreign key and 'allocation_id' of inquiry_allocate as a primary key. Here, there is no need to select the person to handle inquiry explicitly as the user registration number and name of the user who is logged into the system and having access to the page (preferably employee of Sales department) will be automatically displayed in the field of 'fup_taker' which is known as Follow Up taker. Then, the salesperson/ sales engineer of the organization will have a conversation with the person who made the inquiry regarding the product that they inquired for. If there is a need of another follow up, then there is an option called Need Another Follow Up which can help the sales team to schedule another conversation with the person. There is also a field to comment brief summary about the conversation that took place between the person and sales representative. Lastly, there's an option called 'Convert To Customer' which allows the sales representative to sell the product directly upon follow up and convert the person into the customer of the organization. (16IT013)

Home Profile

Home / Display Inquiries / Inquiry Follow Up

Person Name
ramesh

Person Email
rgs@gmail.com

Person Contact Number
3265789410

Product Name
AL 120 - Articulated Wheel Loader

Inquiry Date
2020-03-13

Follow Up Taker
USR00002 - Rahul Brahmhatt

Inquiry Date
2020-03-13

Follow Up Taker
USR00002 - Rahul Brahmhatt

Follow Up Date
03/13/2020

Comments on Follow Up
The person has requested for another follow up on the inquiry.

Need another follow up?
Yes

Convert to Customer?
No

Save

Fig. 13.22 Inquiry Follow Up page

Showing rows 0 - 1 (2 total, Query took 0.0025 seconds.)

`SELECT * FROM `inquiry_allocate``

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

		allocation_id	inquiry_id	fup_taker	fup_date	fup_comments	fup_again	ctoc
<input type="checkbox"/>	Edit Copy Delete	7	13	2	2020-03-13	Person is not interested in the product anymore du...	No	No
<input type="checkbox"/>	Edit Copy Delete	8	14	2	2020-03-13	The person has requested for another follow up on ...	Yes	No

☐ Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Fig. 13.23 Database for inquiry_allocate (Follow Up)