

AgroCast Analytics

Main Page:-

- Added a map on the main page.
- Added a custom map style layer.
- Added a radio button to switch between satellite and streets map layer.
- Bounded the scope of the map remains for India only.
- Added a search box to search for a place or location on the map by its name.
- Added a separate search box to search for a place or location on the map by its coordinates (implemented RegEx).
- Added a button to zoom in, zoom out and rotate the map.
- As the pointer moves, added a feature to show the coordinates (latitude, longitude) of the pointer.
- Added a calendar option to select the date for the farm
- Added a button to upload the GeoJSON (.geojson) file:
 - Only one file can be selected at once.
 - Only a .geojson format file will be accepted.
 - GeoJSON file will be converted into JSON object literals.
 - Extracted the polygon(Only) coordinates from the JSON object literals.
 - Polygon will be drawn on the map with the help of these coordinates.
- Added a button to upload KML (.kml):
 - Only one file can be selected at once.
 - Only a .kml format file will be accepted.
 - Used an AJAX query to post the data on the server and fetch the converted JSON object literals from data of kml.
 - Extracted the polygon(Only) coordinates from the .kml file.
 - Polygon will be drawn on the map with the help of these coordinates.
- Added the functionality to draw a polygon:
 - Polygon can be drawn by joining the points using polygon tool.
 - Added undo-redo functionality for the polygon
- For the polygon (farm) drawn from all of the above three methods:
 - Added a feature so that only one polygon will be drawn on the map. Once a polygon is added, all the features to add the polygon will disappear.
 - If you want to add the other polygon, it is required to delete the former one.
 - Added a box that will calculate and show the area and perimeter of the polygon.
 - When the polygon is drawn area and perimeter box will appear, and when we delete the farm, the polygon box will disappear.

- A popup button (select) to change the unit of area and perimeter.
- The pointer will change its shape when hover over the polygon.
- Added a custom designing layer to fix the border thickness and the fill color of the polygon.
- When click on polygon a form will popup to save the farm.
- A unique id will be assigned to the farm and some basic information will be taken from the user.
- When “Save” button is clicked, the farm will be save in the database along with all the information provided.
- Customize the colour and size of the dots on coordinates of the polygon.
- Added the logo of the Agrocast on the coordinates of the polygon.