





ANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

EDUCATIONAL ORGANIZATIONAL USING SERVICENOW

Team ID: NM2025TMID04882

Team Size: 4

Team Leader: Harini J

Team member : Iswarya K

Team member : Kaviya K

Team member: Lakshaya S A

PROBLEM STATEMENT:

Educational institutions often struggle with managing large volumes of student and staff information through manual or disconnected systems. Tasks such as admissions, student record management, and progress tracking become time-consuming and prone to errors. The lack of a unified digital platform leads to inefficiency, communication gaps, and delays in decision-making. This project addresses these challenges by developing an **Educational**Management System on the ServiceNow platform to automate administrative workflows, centralize data, and improve institutional efficiency.

OBJECTIVES:

To design and implement a centralized system for managing student and teacher information using ServiceNow.

- 1. To automate key processes such as admissions, attendance, and progress monitoring.
- 2. To enable real-time access and updates of academic and administrative data.
- 3. To improve coordination among departments and reduce manual workloads.
- 4. To generate reports and analytics for better academic and administrative decision-making.
- 5. To enhance transparency and user experience for students, faculty, and administrators.

Skills and Technologies Used:

Platform: ServiceNow

Skills:

- ServiceNow Administration and Configuration
- Form and Table Design
- Workflow and Flow Designer
- Reporting and Dashboard Creation

Task Initiation:

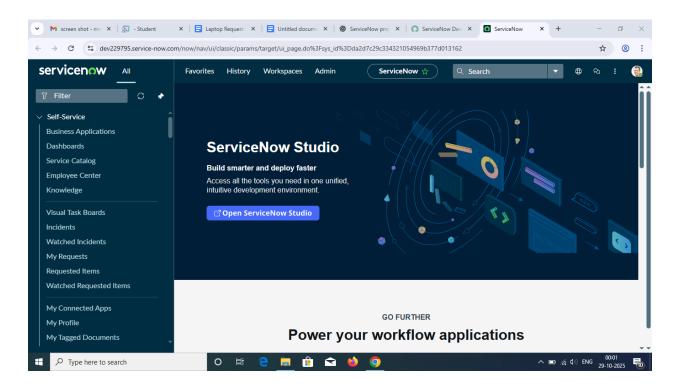
The **Educational Organization Using ServiceNow** project begins with the initiation phase, where the project scope, goals, and resources are clearly defined. The purpose of this phase is to establish a clear understanding of what the project aims to achieve and to prepare the foundation for successful implementation.

Features:

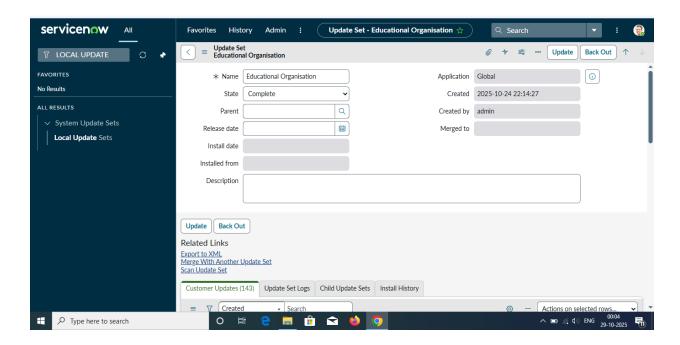
- 1. Centralized management of student and teacher information on a single ServiceNow platform.
- 2. Automated workflows for admissions, attendance, and progress tracking.
- 3. Real-time data access with reporting and dashboard analytics.
- 4. User-friendly interface for administrators, faculty, and students to improve efficiency.

STEPS:

STEP 1: Setting up ServiceNow Instance

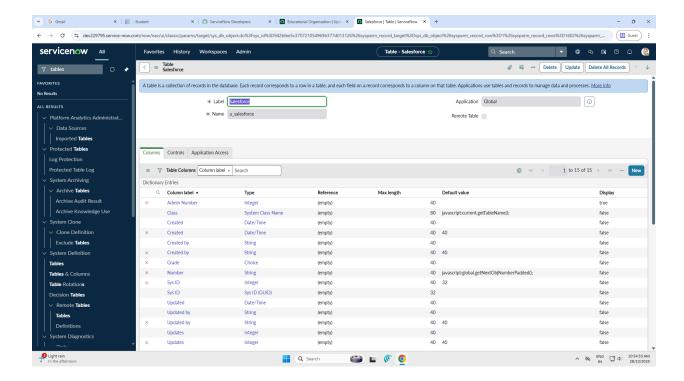


STEP 2: CREATING AN UPDATE SET

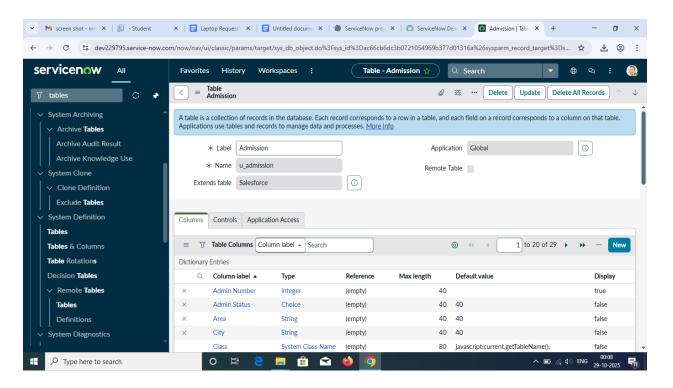


STEP 3: CREATING A TABLE

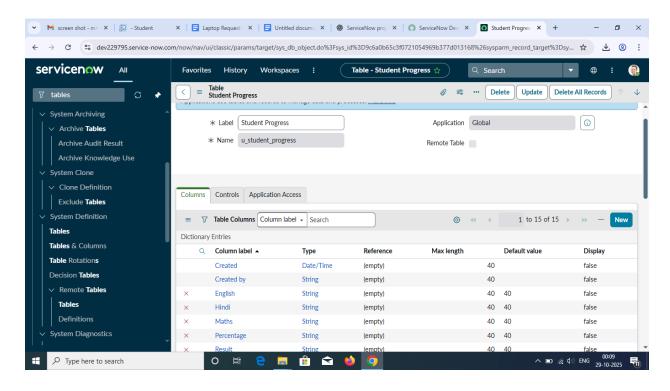
SALESFORCE:



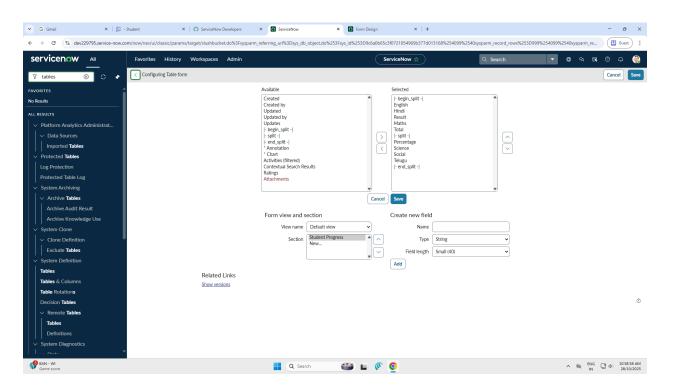
ADMISSION:



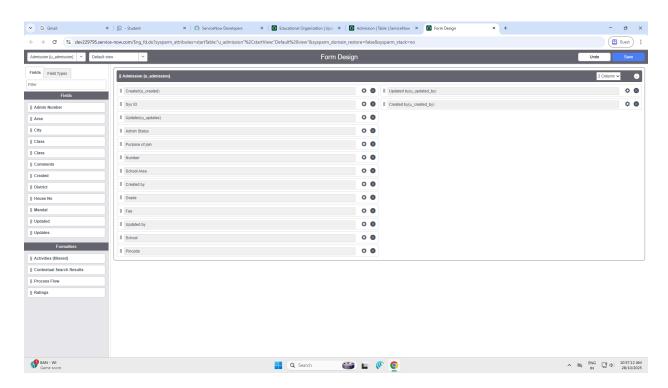
STUDENT PROGRESS:



STEP 4: FORM LAYOUT

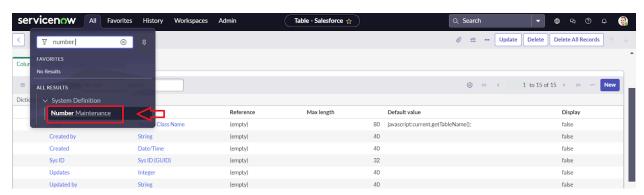


STEP 5: FORM DESIGN

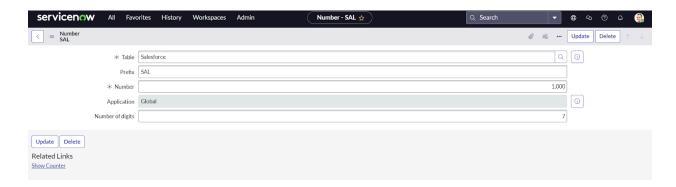


STEP 6:NUMBER MAINTAINANCE

Creating Number Maintenance for Admin Number



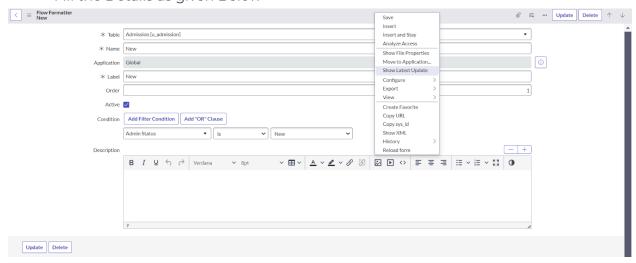
Fill the details >> Submit.



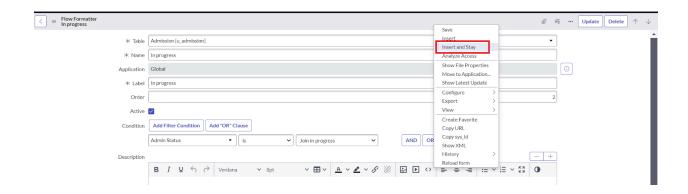
STEP 7:Process Flow

Creating Process Flow for Admission Table

- All >> Process Flow>> New.
- Fill the Details as given Below



- Right Click on toggle and click on the save .
- Replace the Name and Label as below and click on Insert on stay.

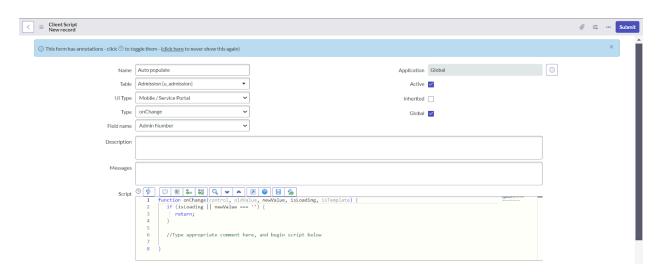


- Replace the Name and Label in order and click on Insert on stay.
 Joined >> Rejected >> Rejoined >> Closed >> Cancelled.
- Order should be New >> InProgress >> Joined >> Rejected >> Rejoined >> Closed
 >> Cancelled.

STEP 8: Client Script

1. Creating "Auto populate" Client Scripts for Admission Table

- All >> Client Scripts >> New.
- Fill the Details as given.

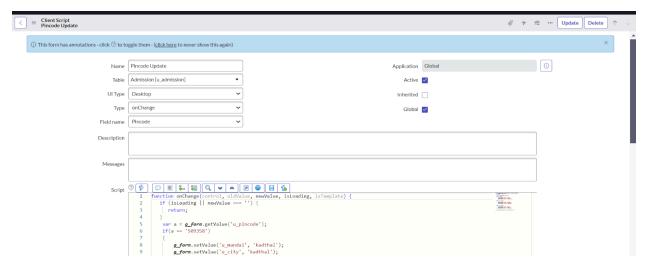


Write the Code as below, Enable Isolate script and Save.
 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
 if (isLoading || newValue === '') {
 return;

2. Creating "Pincode Update" Client Scripts for Admission Table

• Fill the Details as given.

}



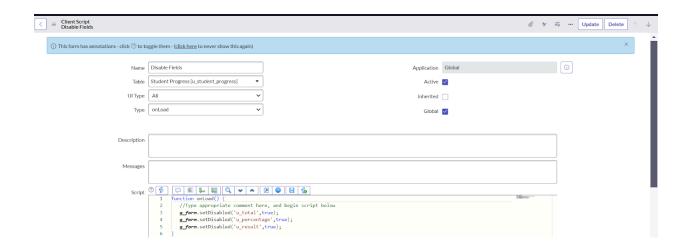
• Write the Code as below, Enable Isolate script and Save. function on Change (control, old Value, new Value, is Loading, is Template) { if (isLoading || newValue === '') { return; } var a = g_form.getValue('u_pincode'); if(a == '509358')g_form.setValue('u_mandal', 'kadthal'); g_form.setValue('u_city', 'kadthal'); g_form.setValue('u_district', 'RangaReddy'); } else if(a == '500081') { g_form.setValue('u_mandal', 'karmanghat'); g_form.setValue('u_city', 'karmanghat'); g_form.setValue('u_district', 'RangaReddy'); else if(a == '500079') { g_form.setValue('u_mandal', 'Abids'); g_form.setValue('u_city', 'AsifNagar');

g_form.setValue('u_district', 'Hyderabad');

```
}
//Type appropriate comment here, and begin script below
}
```

3. Creating "Disable Fields" Client Scripts for Student progress Table

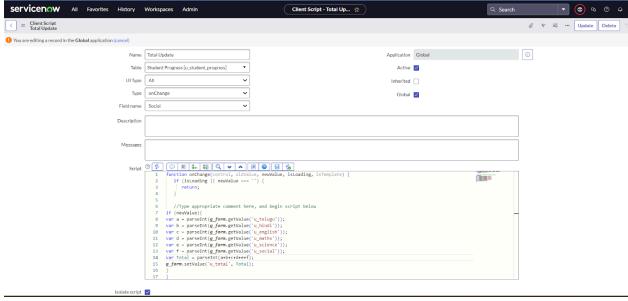
• Fill the Details as given.



Write the Code as below, Enable Isolate script and Save. function onLoad() {
 //Type appropriate comment here, and begin script below g_form.setDisabled('u_total',true);
 g_form.setDisabled('u_percentage',true);
 g_form.setDisabled('u_result',true);
 // Isolate script and Save.

4. Creating "Total Update" Client Scripts for Student progress Table

• Fill the Details as given.

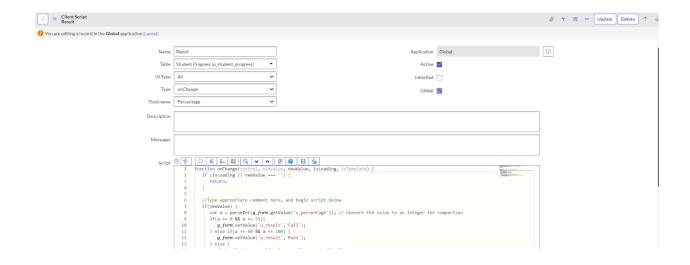


Write the Code as below, Enable Isolate script and Save.
function onChange(control, oldValue, newValue, isLoading, isTemplate) {
 if (isLoading || newValue === '') {
 return;
 }

//Type appropriate comment here, and begin script below
 if (newValue) {
 var a = parseInt(g_form.getValue('u_telugu'));
 var b = parseInt(g_form.getValue('u_hindi'));
 var c = parseInt(g_form.getValue('u_english'));
 var d = parseInt(g_form.getValue('u_maths'));
 var e = parseInt(g_form.getValue('u_science'));
 var f = parseInt(g_form.getValue('u_social'));
 var Total = parseInt(a+b+c+d+e+f);
 g_form.setValue('u_total', Total);
}

Creating "Result" Client Scripts for Student progress Table

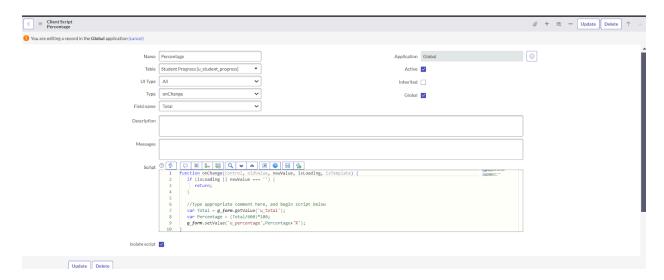
• Fill the Details as given.



• Write the Code as below, Enable Isolate script and Save. function on Change (control, old Value, new Value, is Loading, is Template) { if (isLoading | newValue === ") { return; //Type appropriate comment here, and begin script below if(newValue) { var a = parseInt(g_form.getValue('u_percentage')); // Convert the value to an integer for comparison if(a >= 0 && a <= 59){ g_form.setValue('u_result','Fail'); } else if(a >= 60 && a <= 100) { g_form.setValue('u_result','Pass'); } else { // Handle the case if a is out of range (optional) g_form.addErrorMessage('Percentage should be between 0 and 100.'); g_form.clearValue('u_result'); }

5. Creating "Percentage" Client Scripts for Student progress Table

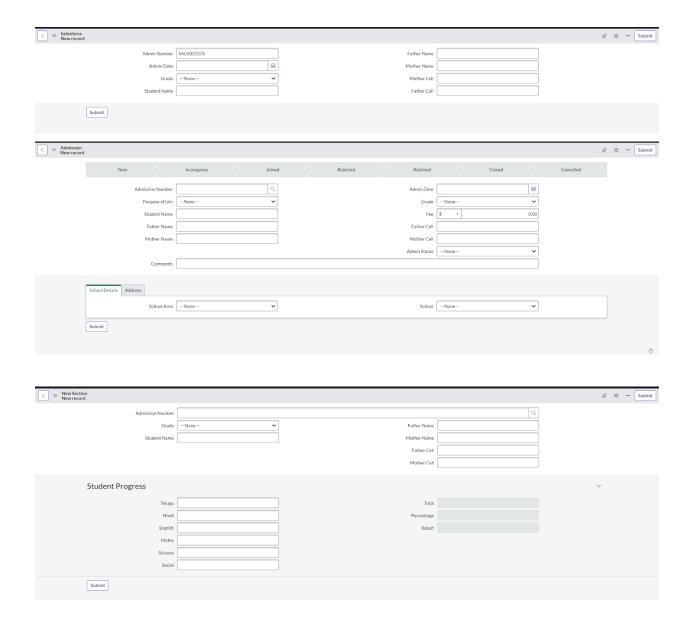
• Fill the Details as given.



Write the Code as below, Enable Isolate script and Save.
 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
 if (isLoading || newValue === '') {
 return;
 }
 //Type appropriate comment here, and begin script below
 var Total = g_form.getValue('u_total');
 var Percentage = (Total/600)*100;
 g_form.setValue('u_percentage',Percentage+'%');
 }

Result:

The ServiceNow-based Educational Management System successfully demonstrates the automation of student admission, academic progress, and information management. Data is centralized, workflows are simplified, and administrators can easily generate reports and monitor academic progress.



CONCLUSION:

The project "Educational Organisation Using ServiceNow" effectively addresses the common challenges faced by educational institutions in handling administrative and academic data. Through automation and centralization, it enhances efficiency, transparency, and collaboration across departments.

By leveraging ServiceNow's powerful workflow and reporting tools, the system reduces human error, saves time, and supports data-driven decisions.

This project stands as a practical example of how modern cloud platforms like **ServiceNow** can revolutionize educational management systems, paving the way for a smarter and more connected academic environment.