Educational Organisation Using ServiceNow

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Team Members: 4

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Problem Statement:

Educational institutions often face challenges in managing student services, faculty requests, IT support, and administrative workflows efficiently. Currently, many processes such as student onboarding, exam-related queries, faculty IT support, and facility management are handled manually through emails, phone calls, or inperson visits.

Objective:

The objective of this project is to implement ServiceNow as a unified service management platform within the education organisation to: Streamline and automate workflows for student, faculty, and administrative requests. Provide a self-service portal where students and staff can log issues, track status, and access knowledge resources. Enhance visibility and accountability by enabling centralized tracking and reporting of requests and incidents. Reduce response and resolution times through automated ticket routing, prioritization, and escalation.

Skills:

Oracle DB

TASK INITIATION

Milestone 1: Setting up ServiceNow Instance

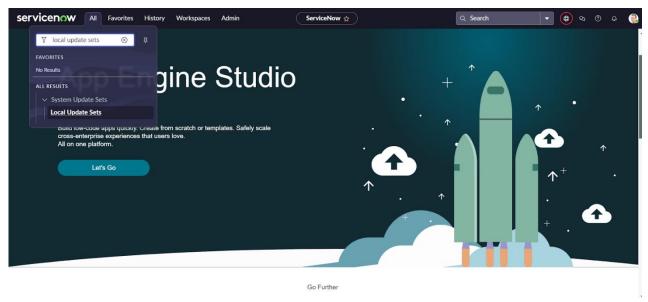
Activity 1: Setting up ServiceNow Instance

- 1. Sign up for a developer account on the ServiceNow Developer site "https://developer.servicenow.com".
- 2. Once logged in, navigate to the "Personal Developer Instance" section.
- 3. Click on "Request Instance" to create a new ServiceNow instance.
- 4. Fill out the required information and submit the request.
- 5. You'll receive an email with the instance details once it's ready.

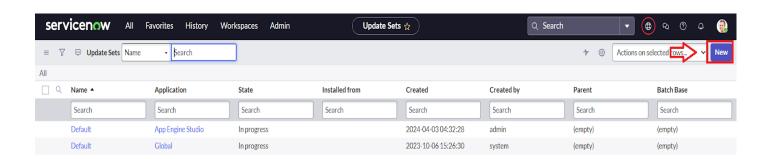
- 6. Log in to your ServiceNow instance using the provided credentials.
- 7. Now you will navigate to the ServiceNow.

Milestone 2: Creating a Update Set Activity 1: Creating a Update Set

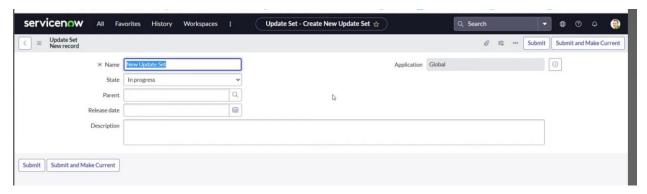
1. Click on All >> Local update sets .



2. Click on new



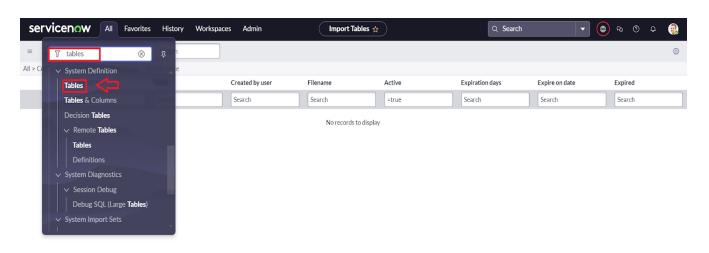
3. Enter the Details Name: Educational Organisation >> Click on Submit and make Current.



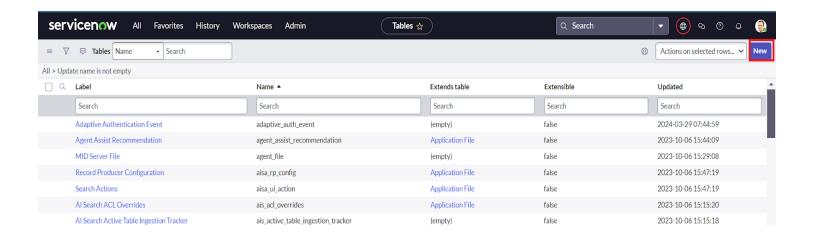
Milestone 3: Creating a Table

Activity 1: Creating Salesforce Table.

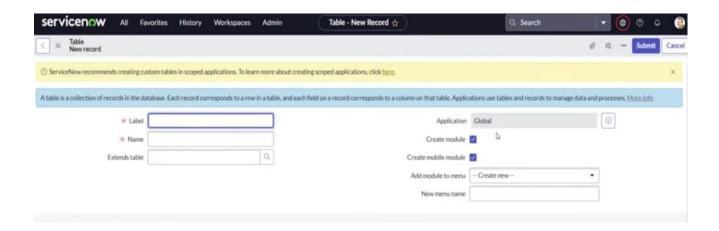
All >> Tables.



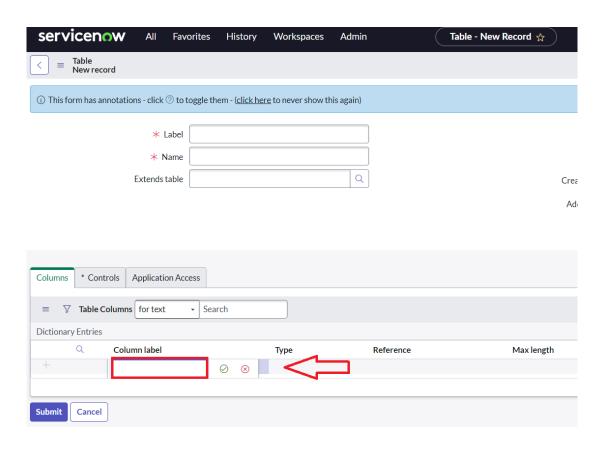
Click on new



• Enter the Label(Anything you want): Salesforce >> Click on Name it will Automatically generate Api name.

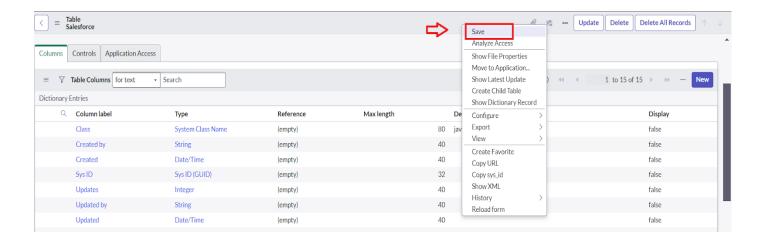


• Create columns as given below, Double Click on Column label and Enter the Column labels and click on the tick mark >> Give Type as given .





 For "Admin Number" Give Display as True and right click on the toggle bar on top >> save.



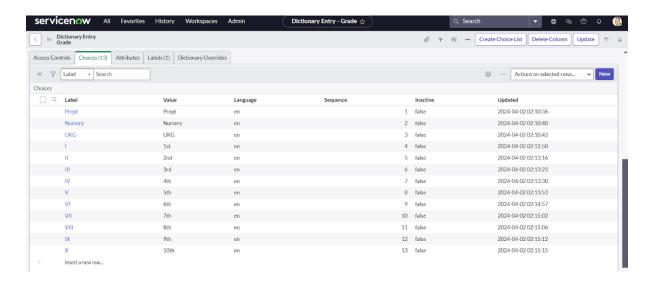
• Click on controls >> Enable Extensible.



Click on "Admin Number" column, In Related Links Click on Advanced View >> Default View (Enable Use dynamic default) >> select Get Next Padded Number in Dynamic default value >> Update.

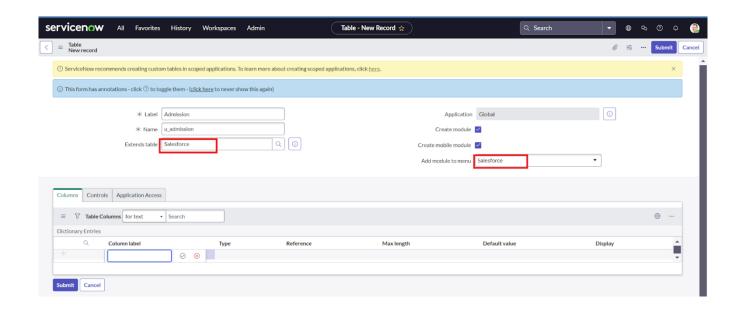


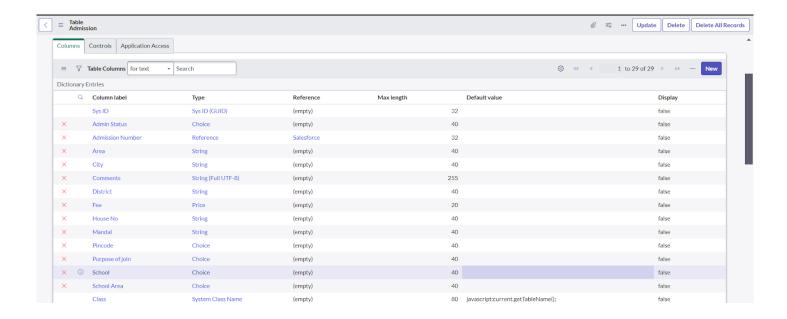
 Click on "Grade" Column >> Click on Choices and give Label, Value and Sequence as given below.



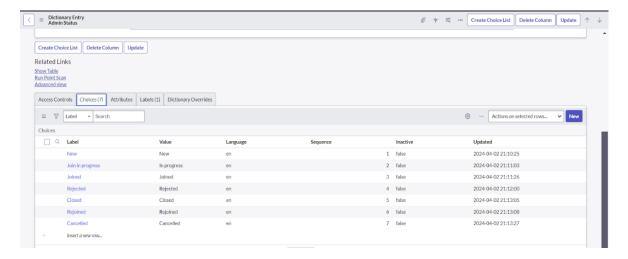
Activity 2: Creating Admission Table

- Create an Admission Table with Columns given.
- Select Extends Table >> Salesforce and also Select Add module to menu >> Salesforce.
- Create Fields as shown





• Create choice for Admin Status as:



Create choice for Pincode as:



· Create choice for Purpose of Join as:



Create choice for School as:



Create choice for School Area as:



Activity 3: Creating Student Progress Table

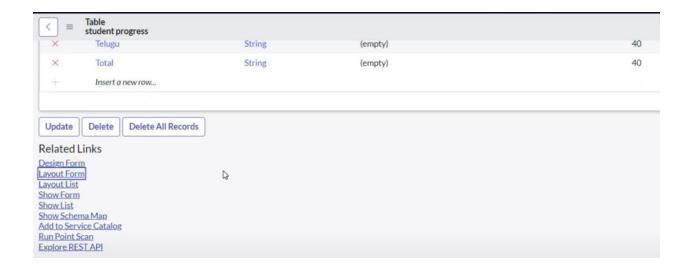
- Create a Student Progress Table with Columns given.
- Select Add module to menu >> Salesforce.
- Create Fields as shown:



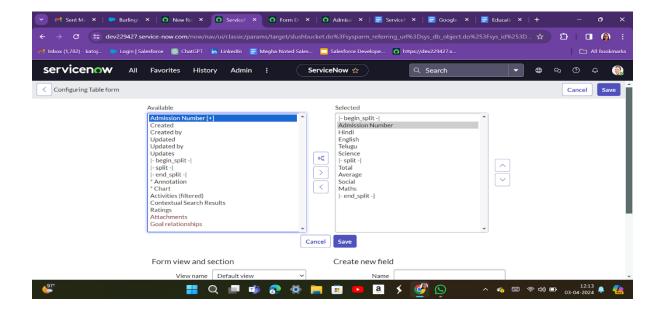
Milestone 4: Form Layout

Activity 1: Configuring Table form for Student Progress Table

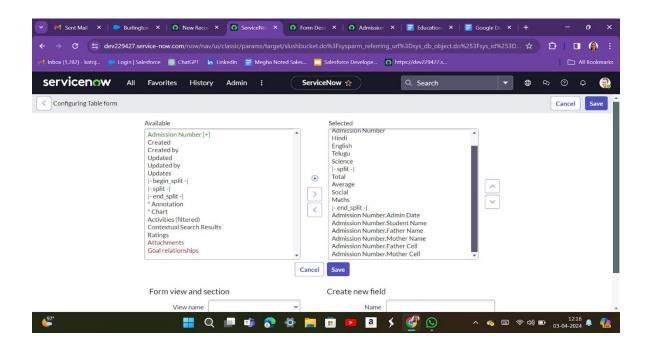
• In the Student Progress Table Page, Click on Layout form.



• Click on Admission Number [+] .



 Select below Admission Number fields in Available side and send it to selected side as below >> save.



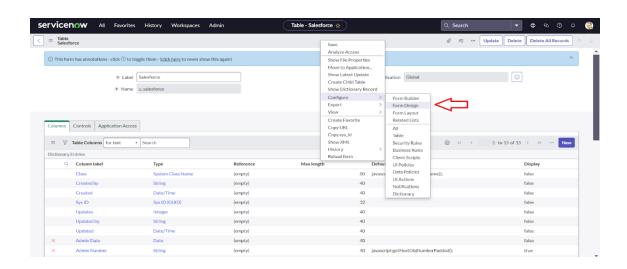
Milestone 5: Form Design

Activity 1: Creating Form Design for Salesforce Table

- 1. All >> System Definition >> Tables .
- 2. In Label Search for Salesforce and open .



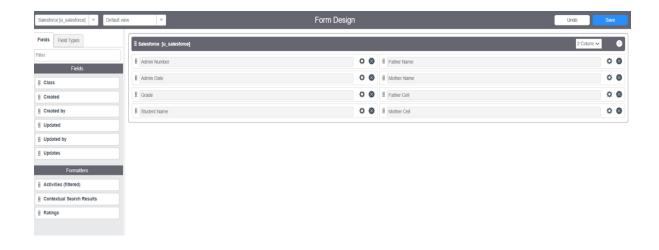
3. Right Click on top Toggle >> Configure >> Form Design.



4. In drop down select Salesforce(u_salesforce).



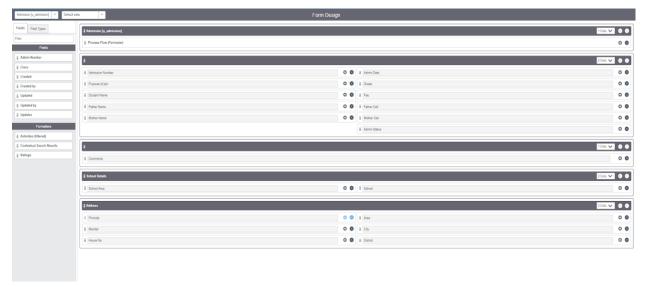
5. Drag and drop the fields to the left side as below.



6. Save.

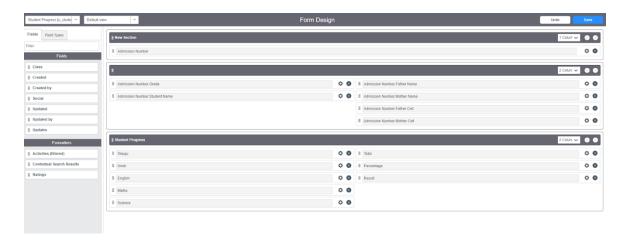
Activity 2: Creating Form Design for Admission Table

Follow the same steps as Activity1, Configure the fields as below and Save.



Activity 3: Creating Form Design for Student progress Table

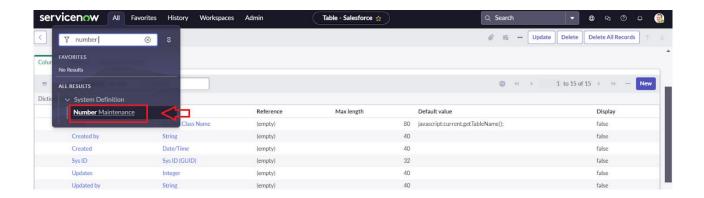
Follow the same steps as Activity1, Configure the fields as below and Save.



Milestone 6: Number Maintenance

Activity 1: Creating Number Maintenance for Admin Number

All >> Number Maintenance >> New



• Fill the details >> Submit.

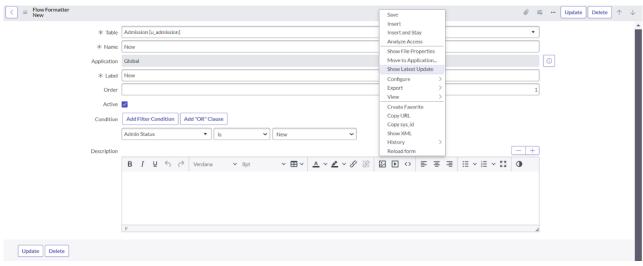


Milestone 7: Process Flow

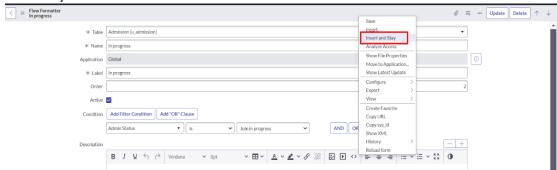
Activity 1: Creating Process Flow for Admission Table

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.

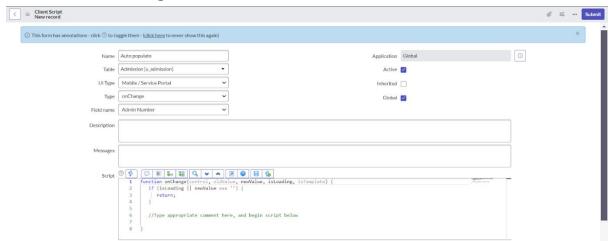


- Replace the Name and Label in order and click on Insert on stay.
 - Joined >> Rejected >> Rejoined >> Closed >> Cancelled.
- Order should be New >> InProgress >> Joined >> Rejected
 >> Rejoined >> Closed >> Cancelled.

Milestone 8: Client Script

Activity 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;
 }

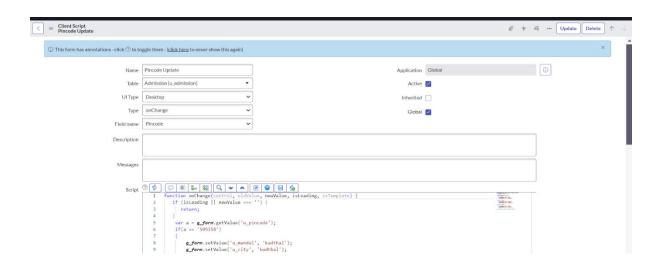
```
//Type appropriate comment here, and begin script below var a = g_form.getReference('u_admission_number'); g_form.setValue('u_admin_date',a.u_admin_date); g_form.setValue('u_grade',a.u_grade); g_form.setValue('u_student_name',a.u_student_name); g_form.setValue('u_father_name',a.u_father_name); g_form.setValue('u_mother_name',a.u_mother_name); g_form.setValue('u_father_cell',a.u_father_cell); g_form.setValue('u_mother_cell',a.u_mother_cell);
```

```
g_form.setDisabled('u_admin_date',a.u_admin_date);
    g_form.setDisabled('u_grade',a.u_grade);
    g_form.setDisabled('u_student_name',a.u_student_name);
    g_form.setDisabled('u_father_name',a.u_father_name);
    g_form.setDisabled('u_mother_name',a.u_mother_name);
    g_form.setDisabled('u_father_cell',a.u_father_cell);
    g_form.setDisabled('u_mother_cell',a.u_mother_cell);
}
```

Note: Make sure the Field names should be the same as you created

Activity 2: Creating "Pincode Update" Client Scripts for Admission Table

Fill the Details as given.



Write the Code as below, Enable Isolate script and Save.

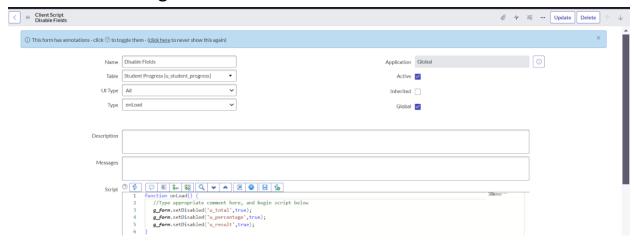
```
function on Change (control, old Value, new Value, is Loading,
isTemplate) {
 if (isLoading | | newValue === ") {
   return;
 }
  var a = g_form.getValue('u_pincode');
if(a == '509358')
{
g form.setValue('u mandal', 'kadthal');
g form.setValue('u city', 'kadthal');
g form.setValue('u district', 'RangaReddy');
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

}

Activity 3: Creating "Disable Fields" Client Scripts for Student progress Table

Fill the Details as given.

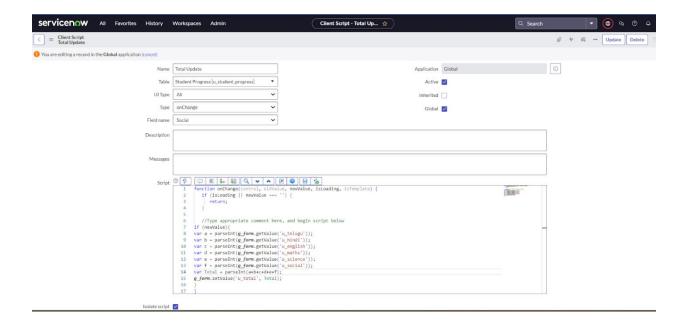


• Write the Code as below, Enable Isolate script and Save.

```
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);
}
```

Activity 4: Creating "Total Update" Client Scripts for Student progress Table

Fill the Details as given.



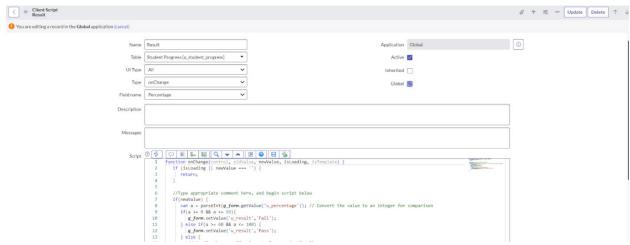
Write the Code as below, Enable Isolate script and Save.
function onChange(control, oldValue, newValue, isLoading, isTemplate) {
 if (isLoading || newValue === ") {
 return;
 }

```
//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);
}
```

Activity 5: Creating "Result" Client Scripts for Student progress Table

Fill the Details as given.

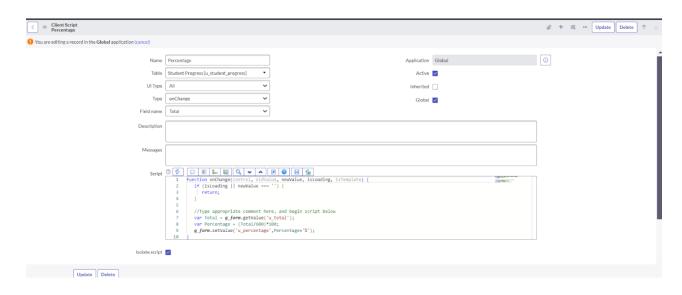


Write the Code as below, Enable Isolate script and Save.
function onChange(control, oldValue, newValue, isLoading,
isTemplate) {
 if (isLoading | | newValue === '') {
 return;
 }
 //Type appropriate comment here, and begin script below
 if(newValue) {
 var a = parseInt(g_form.getValue('u_percentage')); // Convert
 the value to an integer for comparison
 if(a >= 0 && a <= 59){</pre>

```
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');
}
}</pre>
```

Activity 6: Creating "Percentage" Client Scripts for Student progress Table

Fill the Details as given.

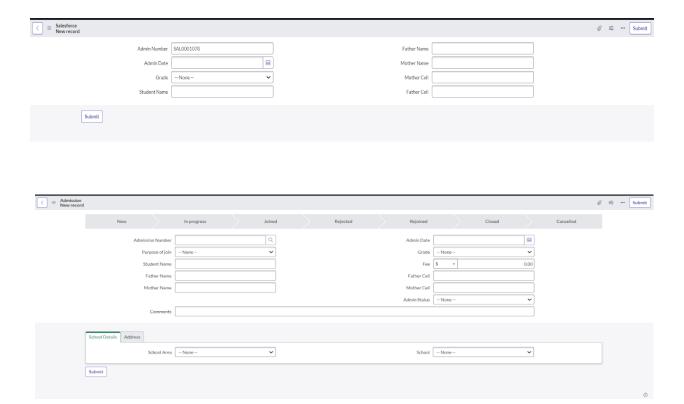


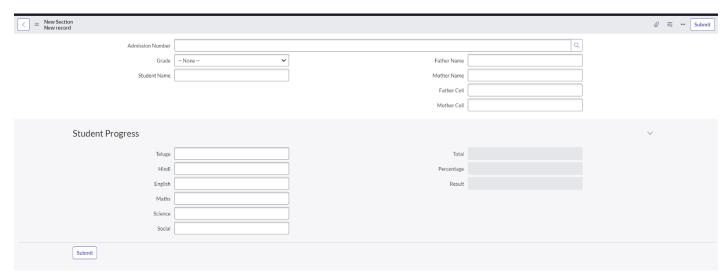
 Write the Code as below, Enable Isolate script and Save. function onChange(control, oldValue, newValue, isLoading, isTemplate) {

```
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+'%');
}
```

Milestone 9: Result





Conclusion:

The implementation of ServiceNow within the education organisation provides a centralized, automated, and user-friendly platform to address the challenges of managing student, faculty, and administrative services. By streamlining workflows, enabling a self-service portal, and integrating knowledge management, the institution can significantly reduce manual effort, improve response times, and enhance transparency.