EDUCATIONAL ORGANIZATION USING SERVICENOW

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Team Members: 4

Team Leader: SANJAY V

Team Member 1: PREETHIS

Team Member 2: TAMILARASI V

Team Member 3: CHRISTY DAFNI V

Problem Statement:

In educational organizations, managing students, faculty, and administrative staff often becomes challenging due to large volumes of users and different levels of access requirements. Without a structured system, role assignment, group management, and secure access become inefficient and error-prone.

Objective:

To implement ServiceNow for user, group, and role management in an educational organization, ensuring secure access, smooth collaboration between staff and students, and automated workflows for academic and administrative tasks.

Skills:

ServiceNow Administration

User, Group, and Role Management

Access Control Lists (ACLs) in ServiceNow

Workflow Automation (Flow Designer)

IT Service Management (ITSM) in Education Context

Milestone 1:

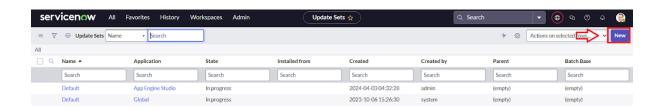
Creating a Update Set

Creating a Update Set

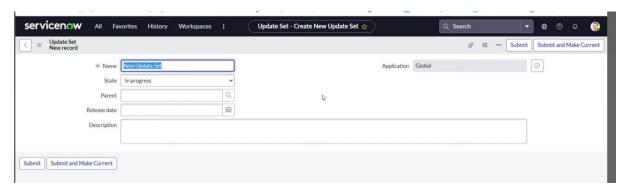
1. Click on All >> Local update sets.



2. Click on new



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

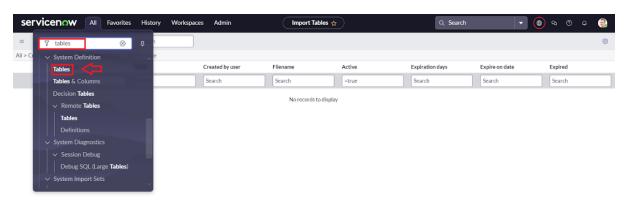


Milestone 2:

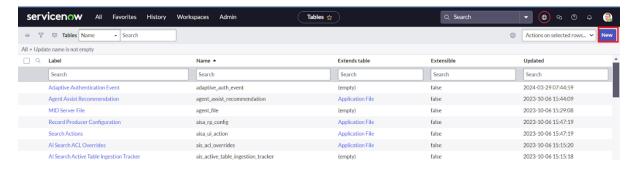
Creating a Table

Activity1: Creating Salesforce Table.

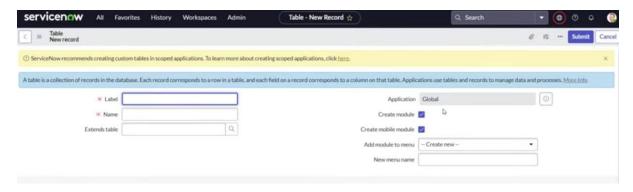
• All >> Tables.



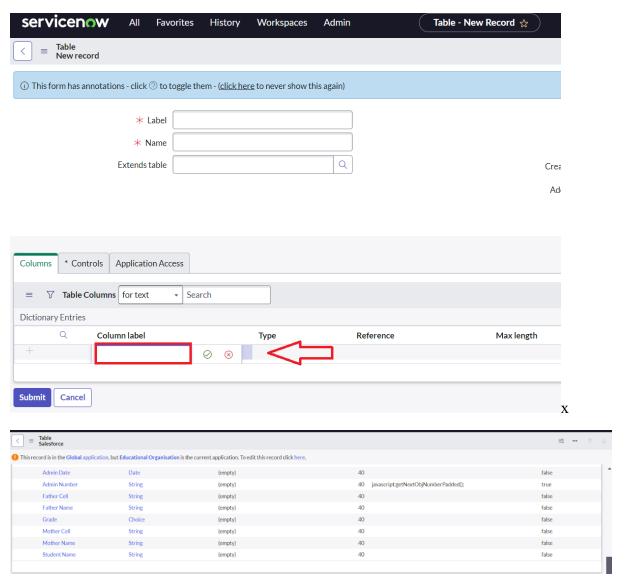
Click on new



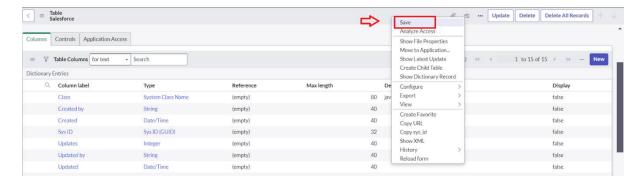
• Enter the Label(Anything you want): Salesforce >> Click on Name it will Automatically generate Api name.



• 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.



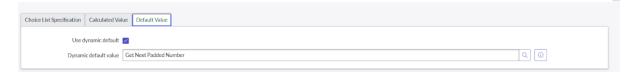
• For "Admin Number" Give Display as True and right click on the toggle bar on top >> save.



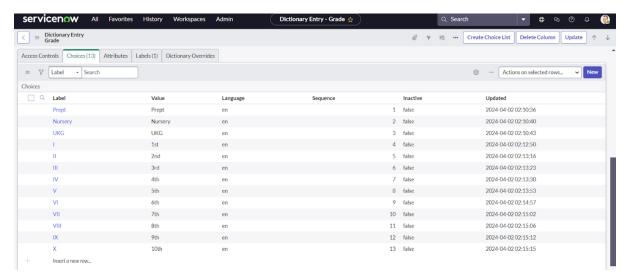
• Click on controls >> Enable Extensible.



• 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.

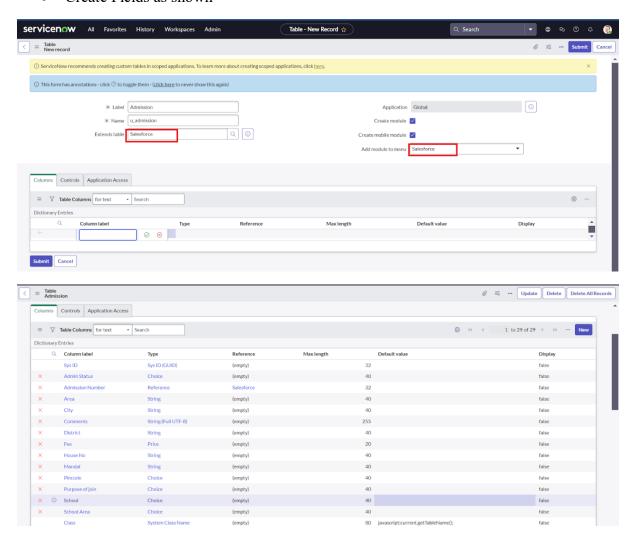


• Click on "Grade" Column >> Click on Choices and give Label, Value and Sequence as given below.

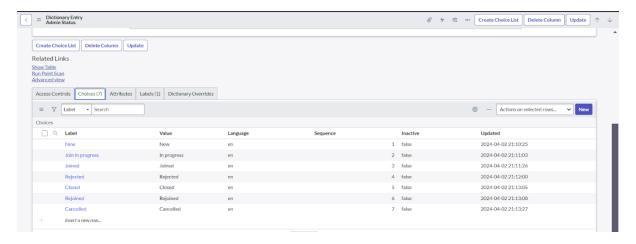


Activity2: Creating Admission Table

- 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:



Activity3: Creating Student Progress Table

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

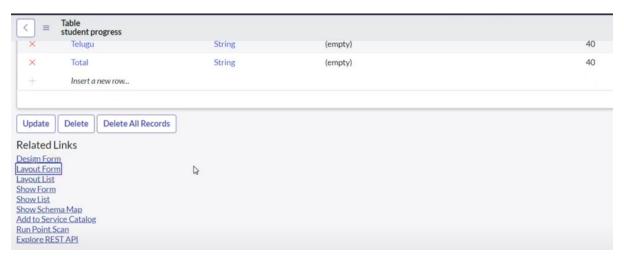
• Create Fields as shown:



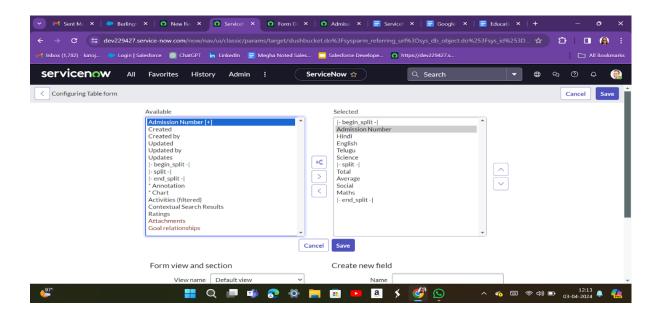
Milestone3: Form Layout

Activity1: Configuring Table form for Student Progress Table

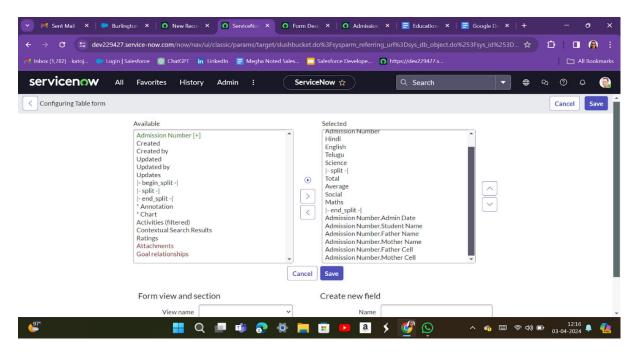
• In the Student Progress Table Page, Click on Layout form.



• Click on Admission Number [+].



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



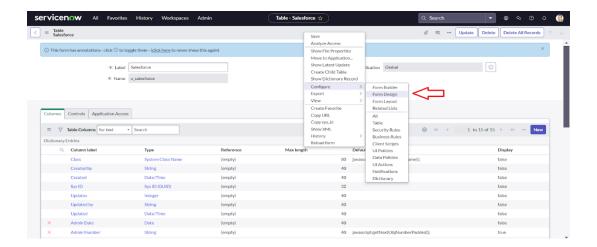
Milestone4:Form Design

Activity1: Creating Form Design for Salesforce Table

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



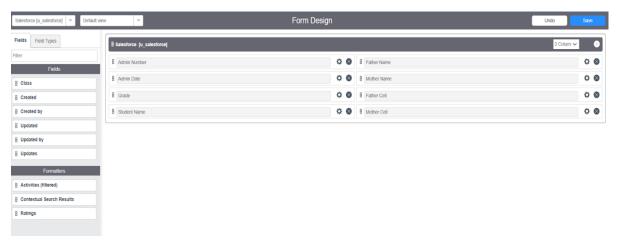
3. Right Click on top Toggle >> Configure >> Form Design.



4. In drop down select Salesforce(u_salesforce).



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



6.Save.

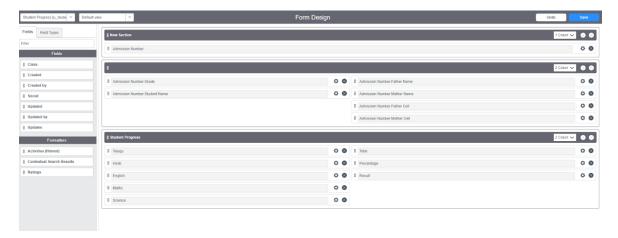
Activity2: Creating Form Design for Admission Table

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



Activity3: Creating Form Design for Student progress Table

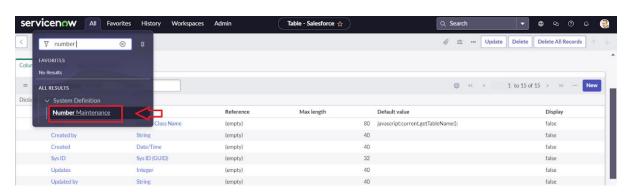
Follow the same steps as Activity1, Configure the fields as below and Save.



Milestone5: Number Maintenance

Activity1: Creating Number Maintenance for Admin Number

• All >> Number Maintenance >> New



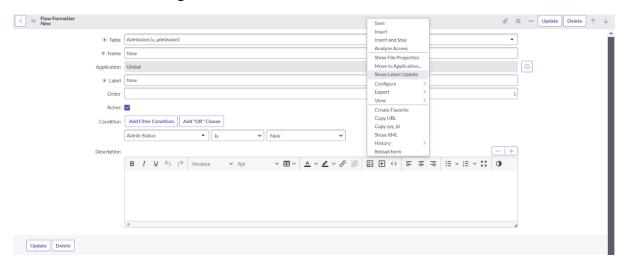
• Fill the details >> Submit.



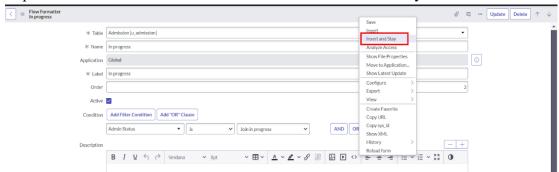
Milestone6: Process Flow

Activity1: 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.

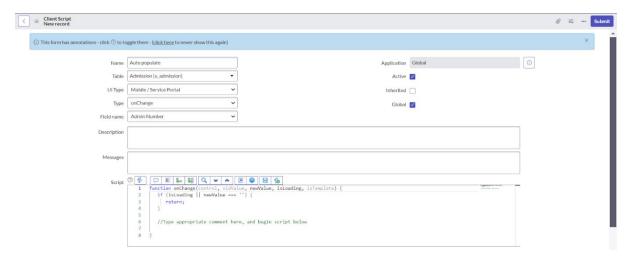
Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

Order should be New >> InProgress >> Joined >> Rejected >> Rejoined >> Closed
 >> Cancelled.

Milestone7: Client Script

Activity1: 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');
```

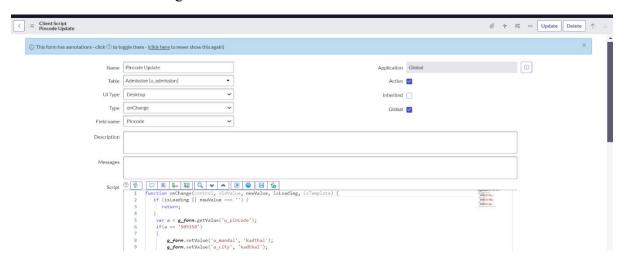
```
var a = g_form.getReference('u_admission_number');
g_form.setValue('u_admin_date',a.u_admin_date);
g_form.setValue('u_grade',a.u_grade);
g_form.setValue('u_student_name',a.u_student_name);
g_form.setValue('u_father_name',a.u_father_name);
g_form.setValue('u_mother_name',a.u_mother_name);
g_form.setValue('u_father_cell',a.u_father_cell);
g_form.setValue('u_father_cell',a.u_father_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.

Activity2: Creating "Pincode Update" Client Scripts for Admission Table

• Fill the Details as given.



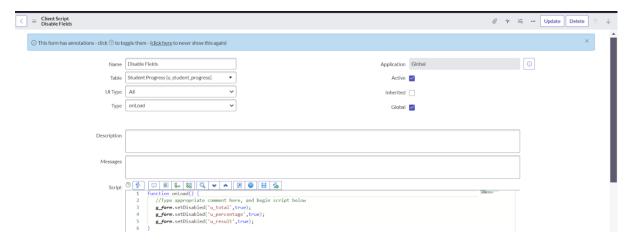
• Write the Code as below, Enable Isolate script and Save.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate) {
  if (isLoading || newValue === ") {
    return;
  }
  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
}
```

Activity3: 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

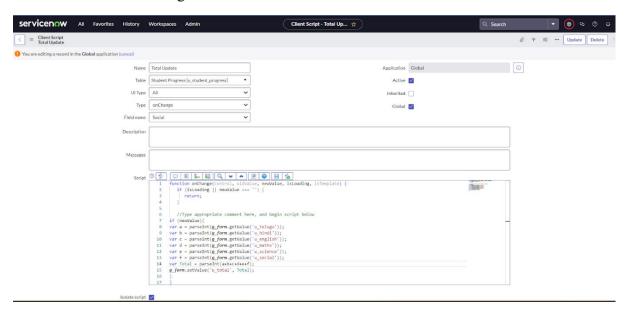
g_form.setDisabled('u_total',true);

g_form.setDisabled('u_percentage',true);

g_form.setDisabled('u_result',true);
```

Activity4: Creating "Total Update" Client Scripts for Student progress Table

• Fill the Details as given.



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

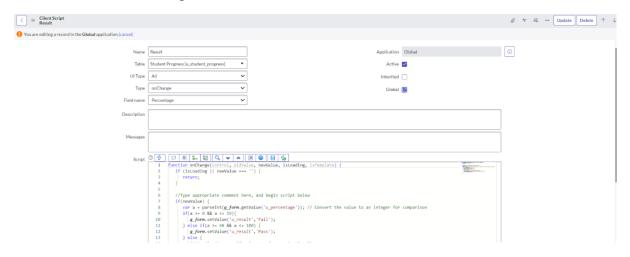
function on Change (control, old Value, new Value, is Loading, is Template) {

```
if (isLoading || newValue === ") {
    return;
}

//Type appropriate comment here, and begin script below
if (newValue) {
    var a = parseInt(g_form.getValue('u_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);
}
```

Activity5: Creating "Result" Client Scripts for Student progress Table

• Fill the Details as given.

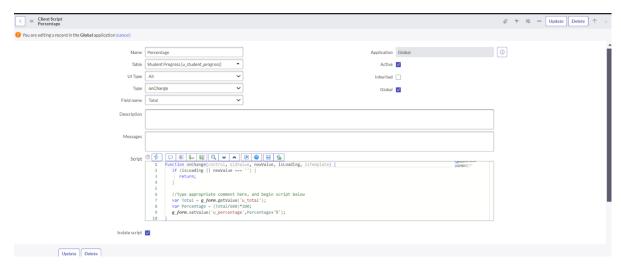


• Write the Code as below, Enable Isolate script and Save.

```
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 \ge 0 \&\& a \le 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');
    }
```

Activity6: Creating "Percentage" Client Scripts for Student progress Table

• Fill the Details as given.

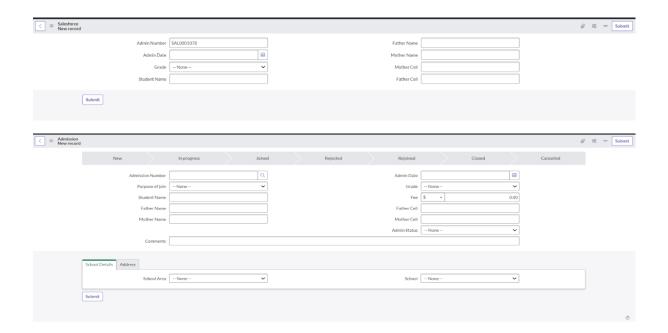


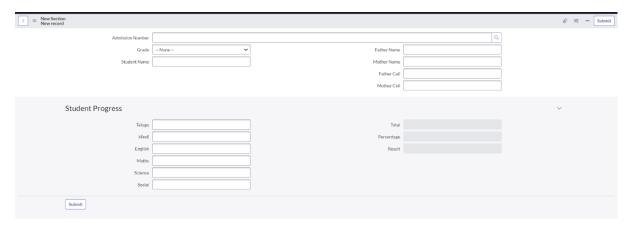
• Write the Code as below, Enable Isolate script and Save.

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

Milestone8: Result





Conclusion

Implementing ServiceNow in an educational organization helps streamline administrative tasks, improve communication, and enhance overall efficiency. By automating processes such as student support, IT services, HR requests, and facility management, the institution can save time and reduce manual errors. ServiceNow also provides a centralized platform where students, faculty, and staff can easily access services, track requests, and resolve issues quickly. This not only increases transparency but also improves the user experience. Ultimately, adopting ServiceNow enables educational organizations to focus more on delivering quality education and innovation rather than being slowed down by operational challenges.