

- Create choice fields for Admin Status, Purpose of Join, School, Pincode, and School Area.

The screenshot shows the 'Form Design' interface for the 'Admission [u_admission]' table. On the left, there's a sidebar with tabs for 'Fields' and 'Field Types', and sections for 'Filter', 'Fields' (listing Admin Number, Class, Created, etc.), 'Formatters' (listing Contextual Search Results, Process Flow, Ratings), and 'Comments'. The main area is titled 'Form Design' and contains a 2-column grid of fields. The first row includes 'Admission Number' and 'Admin Date'. The second row includes 'Purpose of join' and 'Grade'. The third row includes 'Student Name' and 'Fee'. The fourth row includes 'Father Name' and 'Father Cell'. The fifth row includes 'Mother Name' and 'Mother Cell'. The sixth row includes 'Admin Status'. Below this grid is a section for 'Comments' with an 'Edit Field Comments' button. Further down are sections for 'School Details' (with 'School Area' and 'School') and 'Address' (with 'Pincode' and 'Area'). Each field has a settings icon (gear) and a delete icon (cross).

6. Configuring Forms

Form configuration improves the user experience by allowing intuitive interaction with data.

Salesforce Table Form:

- Navigate to System Definition > Tables.
- Search for "Salesforce" and select Configure > Form Design.
- Add and arrange relevant fields.

Admission Table Form:

- Repeat the same process as above for the "Admission" table.

Student Progress Table Form:

- Use the same method to configure the Student Progress table.

7. Number Maintenance for Admin Numbers

To automatically generate Admin Numbers in a specified format:

Steps:

- Navigate to Number Maintenance > New.
- Create a record for Admin Number.

- Set an appropriate prefix (e.g., ADM) and define the number format (e.g., ADM0001).
- Submit the record.

The screenshot shows the ServiceNow interface for configuring a number field named 'Number - SAL'. The 'Table' dropdown is set to 'Salesforce'. The 'Prefix' is 'SAL'. The 'Number' field contains '1,000'. The 'Application' is 'Global'. The 'Number of digits' is set to '7'. At the bottom left are 'Update' and 'Delete' buttons. On the left side, there's a 'Related Links' section with a 'Show Counter' link.

8. Creating Process Flows

ServiceNow Process Flows automate and visualize processes such as the student admission lifecycle.

Steps:

- Navigate to Process Flow > New.
- Provide details including name, label, and description.
- Define stages such as New, InProgress, Joined, Rejected, Rejoined, Closed, and Cancelled.
- Save and publish the process flow.

ORDER:Joined >> Rejected >> Rejoined >> Closed >> Cancelled

9. Client Scripts for Automation

Client Scripts automate actions and enforce form behavior.

Auto-Populate Admission Fields

Populates fields like Grade and Student Name when Admission Number is selected.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate) {
  if (isLoading || newValue === '') return;
  var admission = g_form.getReference('u_admission_number');
  g_form.setValue('u_grade', admission.u_grade);
  g_form.setValue('u_student_name', admission.u_student_name);
}
```

Pincode-Based Field Update

Automatically fills Mandal, City, and District based on the entered Pincode.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate) {
  if (isLoading || newValue === '') return;
  var pincode = g_form.getValue('u_pincode');
```

```

if (pincode === '509358') {
    g_form.setValue('u_mandal', 'Kadthal');
    g_form.setValue('u_city', 'Kadthal');
    g_form.setValue('u_district', 'Ranga Reddy');
}
}

```

Disable Fields for Student Progress

Prevents manual entry into specific fields on form load.

```

function onLoad() {
    g_form.setDisabled('u_total', true);
    g_form.setDisabled('u_percentage', true);
    g_form.setDisabled('u_result', true);
}

```

Total Marks Calculation

Calculates the total score from subject fields automatically.

```

function onChange(control, oldValue, newValue, isLoading, isTemplate) {
    var total = parseInt(g_form.getValue('u_telugu')) +
        parseInt(g_form.getValue('u_hindi')) +
        parseInt(g_form.getValue('u_english')) +
        parseInt(g_form.getValue('u_maths')) +
        parseInt(g_form.getValue('u_science')) +
        parseInt(g_form.getValue('u_social'));
    g_form.setValue('u_total', total);
}

```

10. Results

The implemented Educational Management System on ServiceNow provides:

- Centralized management of student and admission data.
- Automated workflows for consistent and error-free operations.
- Dynamic forms and scripts that enhance data entry and validation.
- Seamless tracking of student progress and admission stages.

Screenshots should be included for:

- Table and form configurations
- Process flow
- Script execution in forms