Program : List out the required processes to be coded along with the required flow charts.

**1. Student Registration:**

**- Description: Allows students to create an account by providing necessary details such as name, email, phone, resume upload, GPA, skills, etc.**

**- Flowchart: Start → Input Details → Validate → Store in Database → End**

**2. Company Registration:**

**- Description: Enables companies to register by providing information like company name, industry, location, contact person, etc.**

**- Flowchart: Start → Input Details → Validate → Store in Database → End**

**3. Job Posting by Company:**

**- Description: Allows registered companies to post job positions with details like title, description, requirements, salary, etc.**

**- Flowchart: Start → Select Company (authentication) → Input Job Details → Validate → Store in Database → End**

**4. Student Job Search:**

**- Description: Allows students to search for available job positions based on criteria like industry, location, and job title.**

**- Flowchart:\*Start → Input Search Criteria → Retrieve Matching Jobs → Display Results → End**

**5. Job Application Submission:**

**- Description: Enables students to apply for a specific job by submitting their application along with a resume.**

**- Flowchart: Start → Select Job → Input Application Details → Validate → Store in Database → End**

**6. Company Application Review:**

**- Description:\*Allows companies to review and manage job applications received from students.**

**- Flowchart:Start → Select Job → View Applications → Process Applications → Update Application Status → End**

**7. Student Profile Update:**

**- Description: Allows students to update their profile information, such as contact details, skills, and resume.**

**- Flowchart: Start → Login (authentication) → Input Updated Details → Validate → Update in Database → End**

**8. Communication Module:**

**-Description: Facilitates communication between companies and students, such as interview scheduling, feedback, etc.**

**- Flowchart: Start → Select Communication Type → Input Details → Send/Receive Messages → End**

**9. Admin Dashboard:**

**- Description: Provides an admin interface to manage system-wide settings, user accounts, and monitor overall system activity.**

**- Flowchart: Start → Admin Login → Admin Dashboard → Admin Actions → End**

**10. Security and Authentication:**

**- Description: Implements secure authentication mechanisms to ensure data privacy and access control.**

**- Flowchart: Start → Login/Authentication Check → Access Granted/Denied → Perform Action → End**

**Flowchart:**

**START**

**STOP**

**Check Weather**

**Search city**

**Go To Application**