

Google Apps Script (4 days)

By Dr. Vishwanath Rao

Introduction to Google Script

- Quick Start to Google Apps Script
- Apps Script Power Example
- IDE Integrated Development Environment
- First Script using online IDE and Google Script
- Google Script Classes
- JavaScript Introduction

IF Statement and Array

- IF Statements
- Array of Variables
- Combining Array and forLoop

Get Last Row of Spreadsheet

- Copy to: Copying from one cell to another
- Change Name, Hide and Show Sheets
- Customized Menu Pop Up Dialogue Box

- Menus, Dialogs and Sidebars
- Custom Menus
- Dialogs / Sidebars

- User Interfaces
- Create and Serve HTML
- Client-to-Server Communication
- Template HTML
- Restrictions

Migration to IFRAME

Add-Ons

- Translate for Google Docs
- Notification for Google Forms
- Translate for Google Slides
- Progress bars for Google Slides

Google DocumentApp

- Explore Document - Class DocumentApp
- Get Document Contents
- Document Body Contents
- Document Body Updates
- Document Body Children
- Document Classes and Methods
- Simple Copy Doc Script
- DocumentApp Bound Script
- Base Values within Script
- HTML in Google Documents
- Bound Content Interaction
- Ranged elements in Document
- Translate Selected Content
- Search Content Replace With
- Find Content Update Attributes
- Content Selection Exercise
- DocumentApp Exercise
- DocumentApp Create Content
- insert Image DocumentApp
- DocumentApp Template Exercise

Google Spreadsheet app

- StandAlone SpreadSheetApp
- Creating Content and Styling.
- Spreadsheet data to Doc Table
- Spreadsheet data dynamic
- SpreadSheet Tracker Exercise
- SpreadSheet Sheet Class
- HTML to backend GS code
- Google Sheet content to Client Side
- Triggers OnEdit OnChange
- Exercise Google SpreadsheetApp.
- Exercise Generate Random Content
- Adding new Column
- Add Formulas Set Colors

- HTML modal to Spreadsheet
- Sheet Data to HTML file
- Get Sheet Data
- Run Script Client Side
- Response with Google Sheet Data

Google Script Sites

- Introduction to Google Sites
- New Google Sites
- Publish Web App Google Script
- Google Site Scripting
- Google Script Web App html page

Google Drive - DriveApp Class

- Google DriveApp Class
- Select Folder By ID
- Create Folder DriveApp
- DriveApp create File
- SpreadSheet with DriveApp Data
- Create Doc and Move it
- DriveApp Search
- DriveApp Search Files
- Google DriveApp searchFolders Params
- Add editors and Delete
- Redirect on search string
- Exercise WebApp Redirector

Google GmailApp

- Introduction to Class GmailApp
- Make Draft GmailApp
- View your Draft Email
- Use HTML Template email
- Send out a bunch of Emails
- Chat Threads GmailApp
- Get Gmail Messages

Calendar App Class

- Calendar App Service
 - Add Location Info Calendar App
 - Calendar Event with options
 - Full Day events Calendar App
 - Calendar App Event Series
 - Calendar App Date Time
 - Easy way to enter Events
-
- Calendar Events
 - Calendar Events into spreadsheet
 - Google Calendar Events Invites
 - Send Weekly Calendar Events

Exercise Google Script Image Uploader Project

- Apps Script Image Uploader project intro
- HTML Content Service
- HTML Content Template File
- HTML Content from File
- Create the HTML form
- Send Data to Google Script Backend
- Send Image to Google Script
- Image upload Tweaks
- Send Email notification
- Final Application Image Uploader

Form auto Email responder

- Setup Google Form
- Spreadsheet Bound Script
- Google Script Setup Project triggers
- Setup Email to Send
- MailApp Send Email
- Email HTML template
- HTML Service replace content
- HTML to PDF and Attach it
- Send automatic emails
- iterate Sheet Data Send Emails