

Google Workspace / Google Suite with AppScript

Duration: 3 Days

Course Overview:

- Create custom functions within G Suite Apps Docs Sheets Slides Gmail Drive and more
- Create Google Script to power Google Apps
- Use Google Script to add functionality automation and more to Google Docs Sheets plus

Target Audience:

- Anyone who wants to create amazing things using Google Scripts
- JavaScript developers who want to empower Google suite of products
- Web developers who want to incorporate Google Script functionality
- Application developers who want to access the power of Google G Suite
- App Script Google Script developers

Module 1: Introduction to using Google Script

- Introduction to using Google Script
- New IDE editor added for Google Apps Script
- Quick Start to Google Apps Script
- Apps Script Power Example
- Source Code
- IDE Integrated Development Environment
- First Script using online IDE and Google Script
- Google Script Classes
- Apps Script Resources
- JavaScript Introduction
- Source Code

Module 2: Google DocumentApp

- Explore Document - Class DocumentApp
- DocumentApp Class overview
- Get Document Contents
- Document Body Contents
- Source Code 7 Class DocumentApp
- Document Body Updates
- Document Body Children
- Source Code 10
- Document Classes and Methods
- Source Code 11
- Simple Copy Doc Script
- Source Code 12
- DocumentApp Bound Script
- Base Values within Script
- HTML in Google Documents
- Bound Content Interaction
- Ranged elements in Document

- Translate Selected Content
- Source Code 18
- Search Content Replace With
- Find Content Update Attributes
- Content Selection Exercise
- Source Code 21
- DocumentApp Exercise
- Source Code 22
- DocumentApp Create Content
- insert Image DocumentApp
- DocumentApp Template Exercise
- Source Code 25

Module 3: Google Spreadsheet App

- StandAlone SpreadsheetApp
- Google SpreadsheetApp Methods CheatSheet
- Creating Content and Styling.
- Updated Lessons Set Values and Get Values
- Source Code for Updates
- Spreadsheet data to Doc Table
- Spreadsheet data dynamic
- Spreadsheet Tracker Exercise
- Spreadsheet Sheet Class
- From one sheet to another
- Source Code 33
- Bound Spreadsheet App
- Google Sheets Functions
- Source Code
- UI menu options Spreadsheet
- Spreadsheet UI Sidebar Modal
- Get Selected Content
- Exercise Cell Selection Add to Sheet
- Range to Another Sheet CopyTo
- Selecting Cell Values Loops
- Source Code
- Sidebar content HTML
- Script More UI options
- HTML to backend GS code.
- Google Sheet content to Client Side
- Source Code
- Triggers OnEdit OnChange
- Source
- Exercise Google SpreadsheetApp.
- Exercise Generate Random Content
- Adding new Column
- Add Formulas Set Colors

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

Module 4: Google Script Sites

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

Module 5: Google Drive – DriveApp Class

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

Module 6: Google Gmail App

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

- Get Gmail Messages
- Source Code

Module 7: CalenderApp 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
- More Calendars
- Calendar Settings
- Get All Calendars
- Calendars By Name
- Source Code
- Calendar Events
- Calendar Events Explored
- Calendar Events into spreadsheet
- Google Calendar Events Invites No
- Source Code
- Send Weekly Calendar Events
- Source Code
- Review Google Script

Module 8: Exercise Google Script Image Uploader Project

- Apps Script Image Uploader project intro
- New Updates 2020
- 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
- Spreadsheet App tracking uploads
- Send Email notification
- Final Application Image Uploader
- Project Source Code

Module 9: 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
- Source Code
- HTML to PDF and Attach it
- Send automatic emails
- iterate Sheet Data Send Emails
- Review and update code for project
- Project Source Code

Module 10: Using Google Script Form Submission and Handling

- Contact Form Setup
- Source code
- Create Spreadsheet and setup
- Sending an Email with Apps Script.
- Google Script send email
- Spreadsheet App add content
- Test Sheet Google Script
- Create Web App
- Google Script Trigger Examples
- Get Data Parameters
- JavaScript Fetch
- Outdate HTML in Submit
- Source Code
- Google Script Application
- Source Code Google Script Post
- Send email on submit
- Random ID function and Date Add
- Google Script doPost doGet Source Code
- Email template
- Source Code Google Script
- Create Web App
- Source Code
- App Wrap Up and Review
- Final Project Source Code