

Rukmini Devi Institute of Advanced Studies

Madhuban Chowk, Rohini, Delhi-110085

(Approved By AICTE & Affiliated With GGSIP University)

DOSSIER

On

Guest Lecture

On

“ECMA Script”

On

March 07, 2017



S. No.	Particulars	Pg. No.
1.	Form- A : Proposal to organize an Event	2
2.	Form- B: Part I - Aim of the event Part II – Abstract Part III- Conclusion	3 3-6 6

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FORM A

Proposal:

- **Name of the event to be organized:** Guest Lecture on “ECMA Script”
- **Date:** March 07, 2017
- **Time:** 11:50 am – 01:50 pm
- **Venue:** Lecture Theater, RDIAS
- **Motivation for the activity:** The Guest Lecture was conducted to acquaint the students with the basics of ECMA scripting and its role.
- **Organized by:** MCA, RDIAS

FORM B

Part 1

Aim of the event:

ECMA Script is a standard script language, developed with the cooperation of Netscape and Microsoft and mainly derived from Netscape's JavaScript, the widely-used scripting language that is used in Web pages to affect how they look or behave for the user. The aim of this session was to make students learn the application of ECMA Script and its role in the IT industry.

Part 2

Abstract:

The session was conducted by Mr. Amit Srivastava, Managing Director cum Senior Trainer at Brain Mentors Pvt. Ltd., Delhi. The session included the following discussion points:-

- Javascript
- Basics of ECMA Script
- Building Animations in ECMA Script
- Mixing Sounds with Animations
- Building Ball Game

Sir, started the session by explaining about javascript. Javascript is a client side scripting in an functional style. After explanation of the concept of javascript, Sir briefed about the topics which are related to the basics of ECMA Script. ECMA Script is object-oriented and conceived as a core language to which can be added the objects of any specific domain or context such as the idea of a "document." (for example, the World Wide Web Consortium's Document Object Model).

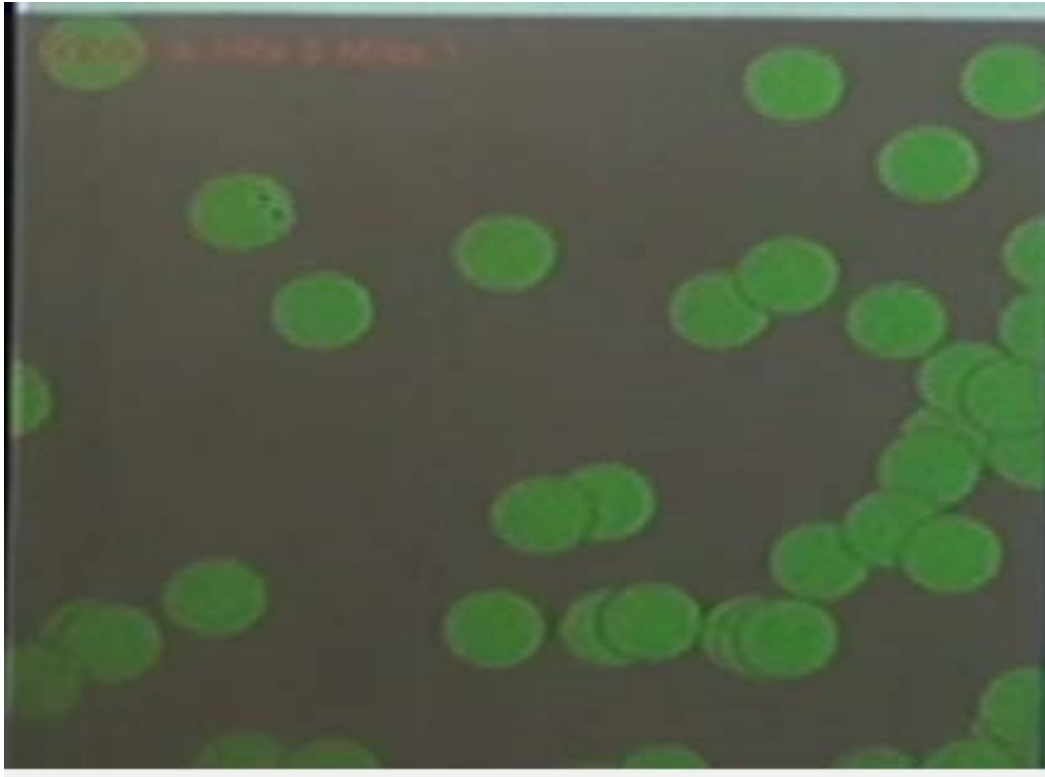
As the ECMA Script language (the standardized version of JavaScript) is one of the most popular scripting languages, and as the SVG specification states that an SVG conforming implementation must support it, SVG documents processed by Batik support scripting with ECMA Script using Mozilla's ECMA Script interpreter, Rhino.

There are two places in an SVG file where you can put scripts. The first one is in the script element, where you can place any code, including function definitions, to be executed just before the document SVGLoad event is fired.

ECMAScript6 is also called as "ES6", "Harmony" and "ES.next". All the new features of ES6 can be categorized in 7 categories. Here is the list of categories:

1. Variables and Parameters
2. Classes
3. Proxies
4. Build-in Objects and Prototype based features
5. Promises
6. Reflect API
7. Modules
8. Iterators and Generators

Sir during his lecture also demonstrated the ECMA Script for building animations and ball games using predefined libraries.



Building Animated Ball Game

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Document</title>
6   <script src="p5.min.js">
7   </script>
8   <script src="p5.sound.min.js"></script>
9   <script>
10  var x = 10;
11      var y = 100;
12  var speed = 10;
13  var ySpeed = 10;
14  function setup(){
15      loadSound("E.mp3",playSound);|
16      console.log("I am a Setup");
17      createCanvas(500,500);
18  }
19  }
20  function draw(){
21      background('black');
22      fill('yellow');
23      ellipse(x,y,50,50);
```

1:18:45

ECMA Script for Mixing Sounds with Animations

This fascinating session boosted the confidence of students, as they asked questions related to job prospects in ECMA script. This session will help the students to choose the right career paths.

Part-3

Conclusion:

It is important for the students to be well acquainted with these applications and should be aware of the intricacies of implementing this technology. Keeping this in mind a guest lecture was organized for the students of MCA.

Students of MCA were enriched with the knowledge by attending the session and actively participated by curiously listening to the speaker. Some questions were raised by the students which were answered by the speaker in a very explicable manner.

Snapshots of the Lecture-



Presentation of bouquet by Course Coordinator - MCA, Ms. Simmi Chawla...!!!



Student Anchors introducing the guest ...!!!



Students and Faculty in the Guest Lecture...!!!



Sir explaining the concept of ECMA Script...!!!



Presentation of Memento by the Course Coordinator – MCA, Ms. Simmi Chawla to the Guest Speaker of the Day...!!!