

कंप्यूटर विज्ञान और अभियांत्रिकी विभाग  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
राजीव गांधी विश्वविद्यालय/ Rajiv Gandhi University  
रोनो हिल्स, दोइमुख/ Rono Hills, Doimukh

No.CSE/RGU/OpenElec./2024/

दिनांक /Dated: 05/08/2024

अधिसूचना  
Notification

This is to notify that the Department of Computer Science and Engineering offers an Open Elective Course on **INTRODUCTION TO WEB DESIGN (MCAO-06140)** under CBCS (choice based credit system) for the session 2024-25.

Therefore, interested students of 3<sup>rd</sup> semester irrespective of disciplines / departments may apply in the prescribed format (attached) for the same latest by **9<sup>th</sup> August, 2024**. Provisionally selected list for the course would be declared on **12<sup>th</sup> August, 2024**.

  
(Dr. Marpe Sora)

डॉ. मारपे सोरा

Head, CSE (कंप्यूटर विज्ञान और अभियांत्रिकी विभाग)  
Rajiv Gandhi University/ राजीव गांधी विश्वविद्यालय

विभागाध्यक्ष  
कंप्यूटर विज्ञान एंव अभियांत्रिकी  
Head of Dept.  
Computer Science & Engineering

Copy to:

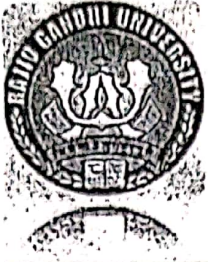
1. Joint Registrar (Aca./Conf.) RGU, for kind information please.
2. The Joint Director, Computer Centre for information and necessary action please. He is requested to upload the circular in the university website.
3. Office copy.

(Dr. Marpe Sora)

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Head, CSE (कंप्यूटर विज्ञान और अभियांत्रिकी विभाग)  
Rajiv Gandhi University/ राजीव गांधी विश्वविद्यालय





# राजीव गांधी विश्वविद्यालय

Rajiv Gandhi University

## रोनो हिल्स, दोइमुख

Rono Hills, Doimukh

### Application Form for Registration for Open Elective Courses

1. Name of the Student: \_\_\_\_\_
2. Name of the Department/Institute: \_\_\_\_\_
3. Dept. Roll No: \_\_\_\_\_
4. Semester: \_\_\_\_\_
5. Last Semester Marks (Percentage) \_\_\_\_\_
6. RGU Registration Number: \_\_\_\_\_
7. Department / Institute offering Open Elective Course: \_\_\_\_\_
8. Open Elective Course, with Code: \_\_\_\_\_
9. Whatsapp No: \_\_\_\_\_
10. Email ID: \_\_\_\_\_

Signature of the Student

Signature of Student Advisor

Signature of Head of the Department with seal

Accepted / Not Accepted

Signature of Head of the Department / Institute (with seal)  
Offering the Open Elective Course

Copy 1: to be submitted to Head, Parent Department  
Copy 2: to Department of Computer Science and Engineering where student is applying for Open  
Elective Course



MCAO-06140  
Introduction to Web Design

Unit-I (Internet Basics)

Network Connectivity Types, dial up- PPP, SLIP; leased, VSAT, ISP, HTTP, TCP/IP, IP Address, Domain Names, DNS, Services-email, WWW, Search Engine. Concept of Client-Server Computing Paradigm, Thin Client vs. Flat Client, Middle ware, Client Pull, Server Push, Hypertext Information, Concept of Threading/Multithreading Web Client Browser and its Architecture, Basic features & Functions, Client-side Inclusive-Scripts, VB Scripts, Java Scripts, ActiveX, ASP, Plugins; Case Study -Netscape Communicator, IE

Unit-II (Servers)

File Server and Mail Server: FTP, Telnet, SMTP, MIME etc. Web Server: Stateful vs. Stateless Servers, Web Server Architecture, Basic features & Functions, URL, Server side inclusive - CGI, API, PERL, Web database Connectivity-JDBC, ODBC; Case Study-IIS, Apache, Tomcat.

Unit-III (Application Design)

HTML, DHTML with DTD concept <head>&<body> section, table, form, Frame, hyperlinks, CSS: CSS Syntax, CSS Selectors(ID, Class, Tags, Attributes), CSS Styling, CSS Styling Backgrounds, CSS Transitions, 2D, 3D Transforms, CSS Box Modeling, Fonts, colors, and decorations with CSS, ASP.Net Basics; Web Page Design using HTML authoring tools - FrontPage/ Dream weaver.

Unit-IV (Security)

Firewalls, Tunnels, SSI, X-HTTP, IPV & IPV6 security, Digital Signature, Web Security Objects, Methods.

Unit-V (Web Object Models)

CORBA, COM, DCOM, IIOP, Coexistence with VRML & XML, CSS Object Model (CSSOM)

Recommended Books

1. Steven Holzner, *HTML: Black Book*, Dreamtech press.
2. Jeffrey C. Jackson, *Web Technologies: A Computer Science Perspective*, Prentice Hall, 2006.
3. Chris Knuckles, David Yuen, *Web Applications: Concepts and Real-World Design*, Wiley India Pvt Ltd, 2006.

