

Dear Student!!

Greetings of the day!

This is to inform you that an *Augmented Reality (AR) application based on the QR Code* is designed and developed **by the undersigned**. QR Code based access is provided to the eContent available online on eGyankosh, IGNOUs Video Archives etc.. With the corresponding QR codes given in this document you can access the eContent for MCS -011 Problem Solving and Programming. In this document e-resources are compiled/curated and placed in order for the ease and benefit of the students. With the help of a Smartphone, Tab etc.. the student can access MCA Programme Guide, all the Course Material (SLMs) for the said course, Videos, Powerpoint Presentations, Gyandhara, Virtual lab etc..

Requirements:

Smartphone (Android or iPhone) or Tab or iPad with any *QR Scanner* app.

Note: Download any of the free QR Code Scanner app from Google Play Store for Android app or Apple iStore for iPhone or iPad.

Free Android Apps:

QR & Barcode Scanner, Free QR Scanner, Lightning QR Code Scanner, QR Code Reader and Scanner, i-nigma, kaspersky's QR Scanner, Quickmark, Quickscan, Scan QR Code Reader, Tapmedia's QR Reader, Zapper

Apple iOS App:

QR Reader for iPhone

Procedure to Access the eContent

- (i) Take a print-out of this QR based course access document (OR) else you can open this document and scan it from the system itself.
- (ii) Connect your smartphone or Tab to the Internet through WIFI, Mobiledata etc..
- (iii) Open the QR scanner app from your smart phone or Tab and scan the respective QRcode (QR image) given against each item on the QR-based course document given. Corresponding eContent will be accessed. You can read or bookmark or download the resources for future reference.

Happy QR Code Based Accessing.....

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Designed and Developed by: Dr.V.V. Subrahmanyam, Associate Professor, SOCIS, IGNOU

MASTER OF COMPUTER APPLICATIONS (MCA)

MCS-011: PROBLEM SOLVING AND PROGRAMMING

SEMESTER: FIRST SEMESTER


CREDITS : 3

COURSE COORDINATOR: Dr. V. V. SUBRAHMANYAM
Associate Professor
SOCIS, IGNOU




Objectives

The course is aimed to develop problem-solving strategies, techniques and skills that can be applied to computers and problems in other areas which give students an introduction to computer and analytical skills to be used in their subsequent course work and professional development. Emphasis of this course is to act as an introduction to the thinking world of computers, to help students develop the logic, ability to solve the problems efficiently using C programming. Knowledge in a programming language is prerequisite to the study of most of computer science courses. This knowledge area consists of those skills and concepts that are essential to problem-solving and programming practice independent of the underlying paradigm. Student will learn various concepts and techniques for problem-solving and will implement those ideas using C Programming.

MCA Programme Guide

<p>MCA Programme Guide</p>	<p>http://www.ignou.ac.in/upload/programme/MCAPROGRAMME_GUIDEJuly2014%20-%20final.pdf</p>	
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Course Material (3 Blocks)

BLOCK	URL	QR CODE
Block – 1 An Introduction to C	http://egyankosh.ac.in/handle/123456789/1112	
Block – 2 Control Statements, Arrays and Functions	http://egyankosh.ac.in/handle/123456789/1115	
Block – 3 Structures, Pointers and File Handling	http://egyankosh.ac.in/handle/123456789/1117	


All the Blocks	http://egyankosh.ac.in/handle/123456789/939	
MCSL – 017 LAB MANUAL	http://egyankosh.ac.in/handle/123456789/9979	

Videos

Introduction to C Programming	https://www.youtube.com/watch?v=fUcSXbQnrLI	
Introduction to C Programming - II	https://www.youtube.com/watch?v=ixyrR-RR4U	


Functions in C Programming	https://www.youtube.com/watch?v=s7ZY1E4smqU	
String Handling in C Programming	https://www.youtube.com/watch?v=uuYUeSurKOM	
Structures and Unions	https://www.youtube.com/watch?v=jA6B5UPO_5s	


Powerpoint Presentations

Introduction to C Programming	https://www.slideshare.net/vampugani/introduction-to-c-programming-i?qid=c26a1e1a-acbe-4f75-b8ab-11d3a055244b&v=&b=&from_search=3	
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<p>Control Statements and Functions in C</p>	<p>https://www.slideshare.net/vampugani/control-statements-and-functions-in-c</p>	
<p>Arrays in C Programming</p>	<p>https://www.slideshare.net/vampugani/arrays-in-c-79444115</p>	
<p>String Handling in C Programming</p>	<p>https://www.slideshare.net/vampugani/strings-in-c-79444142</p>	

Virtual Lab for C Programming

<p>Virtual Lab for C Programming (Problem Solving)</p>	<p>http://ps-iiith.vlabs.ac.in/List%20of%20experiments.html?domain=Computer%20Science</p>	
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Virtual Lab for Data Structures	http://cse01-iiith.vlabs.ac.in/List%20of%20experiments.html?domain=Computer%20Science	
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Old Question Papers


MCA Old Question Papers	https://webservices.ignou.ac.in/Pre-Question/	
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eBooks (For Downloading)

eBook	URL	QR Code
15 Free eBooks on C Programming	http://electronicsforu.com/resources/15-free-ebooks-c-programming	

<p>List of C Programming Free Books</p>	<p>http://www.freebookcentre.net/Language/Free-C-Programming-Books-Download-1.htm</p>	
<p>List of C Programming books by some well-known authors</p>	<p>http://www.e-booksdirectory.com/listing.php?category=371</p>	

Gyandhara

<p>Gyandhara (Radio Counselling)</p>	<p>http://www.ignouonline.ac.in/gyandhara/</p>	
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University Website

University Website	www.ignou.ac.in	
MCA Page	http://www.ignou.ac.in/ignou/aboutignou/school/socis/programmes/detail/174/2	