

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 -041 Operating Systems. 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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MASTER OF COMPUTER APPLICATIONS (MCA)

MCS-041: OPERATING SYSTEMS

SEMESTER: FOURTH SEMESTER

CREDITS : 3

COURSE COORDINATOR: Dr. V. V. SUBRAHMANYAM
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Objectives

This is the core course on Operating systems and the main objective of this course is to provide core knowledge of Operating Systems features, functions and techniques. Each and every Operating System function is discussed in detailed. This course also provides an attempt to throw some light on the advanced topics in O/S like Multiprocessors systems and Distributed O/S. Case studies of WINDOWS and LINUX are organized at the end of this course so as to provide the support what ever they had pursued theoretically.

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 Introduction to Operating Systems, Process Management	http://www.egyankosh.ac.in/handle/123456789/1436	
Block – 2 Memory Management , File Management and Security	http://www.egyankosh.ac.in/handle/123456789/1441	
Block – 3 Advanced Topics and Case Studies	http://www.egyankosh.ac.in/handle/123456789/1450	

All the Blocks	http://www.egyankosh.ac.in/handle/123456789/1004	
MCSL – 045 UNIX LAB MANUAL	http://www.egyankosh.ac.in/handle/123456789/10433	

Videos




Operating Systems	http://www.egyankosh.ac.in/youtubevideo.jsp?src=3100pjC2-nM&title=Operating%20Systems	
Scheduling in OS	http://www.egyankosh.ac.in/youtubevideo.jsp?src=ff5exz5txho&title=Scheduling%20in%20OS	

I/O and File Management in OS	http://www.egyankosh.ac.in/youtubevideo.jsp?src=B4KsOgas7v0&title=IO%20and%20File%20Management%20in%20OS	
Protection and Security in OS	http://www.egyankosh.ac.in/youtubevideo.jsp?src=gr29JiWITH8&title=Protection%20and%20Security%20in%20OS	
Introduction to Distributed Systems	http://www.egyankosh.ac.in/youtubevideo.jsp?src=sK9MC5GREXg&title=Introduction%20to%20Distributed%20Systems	
Unix Shell Programming – I	http://www.egyankosh.ac.in/youtubevideo.jsp?src=IEheCUsf7IA&title=Unix%20Shell%20Programming-I	

Unix Shell Programming - II	http://www.egyankosh.ac.in/youtubevideo.jsp?src=uq8Z9aYdGpE&title=Unix%20Shell%20Programming%20II	
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Powerpoint Presentations


Operating Systems	https://www.slideshare.net/vampugani/operating-systems-79552190	
Introduction to Operating Systems	https://www.slideshare.net/vampugani/introduction-to-os-79552230	

Processes	https://www.slideshare.net/vampugani/processes-79552276	
Process Scheduling	https://www.slideshare.net/vampugani/process-scheduling-79552310	
Memory Management	https://www.slideshare.net/vampugani/memory-management-in-os-79552344	
Virtual Memory	https://www.slideshare.net/vampugani/virtual-memory-79552376	


I/O & File Management	https://www.slideshare.net/vampugani/file-management-in-operating-systems	
Protection and Security	https://www.slideshare.net/vampugani/protection-and-security-in-operating-systems-79552408	
Multiprocessor Systems	https://www.slideshare.net/vampugani/multiprocessor-systems	

Distributed Systems	https://www.slideshare.net/vampugani/distributed-systems-79548457	
Overview of Distributed Systems	https://www.slideshare.net/vampugani/overview-of-distributed-systems-79552439	


Virtual Lab for Operating Systems

Linux Lab	http://cse09-iiith.virtual-labs.ac.in/index.html	
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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
Operating System Concepts	http://www.uobabylon.edu.iq/download/M.S%202013-2014/Operating_System_Concepts,_8th_Edition[A4].pdf	

Gyandhara

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

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