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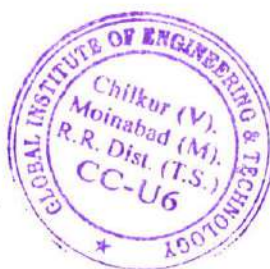
**K.M. ARIFUDDIN** B.A., LL.M

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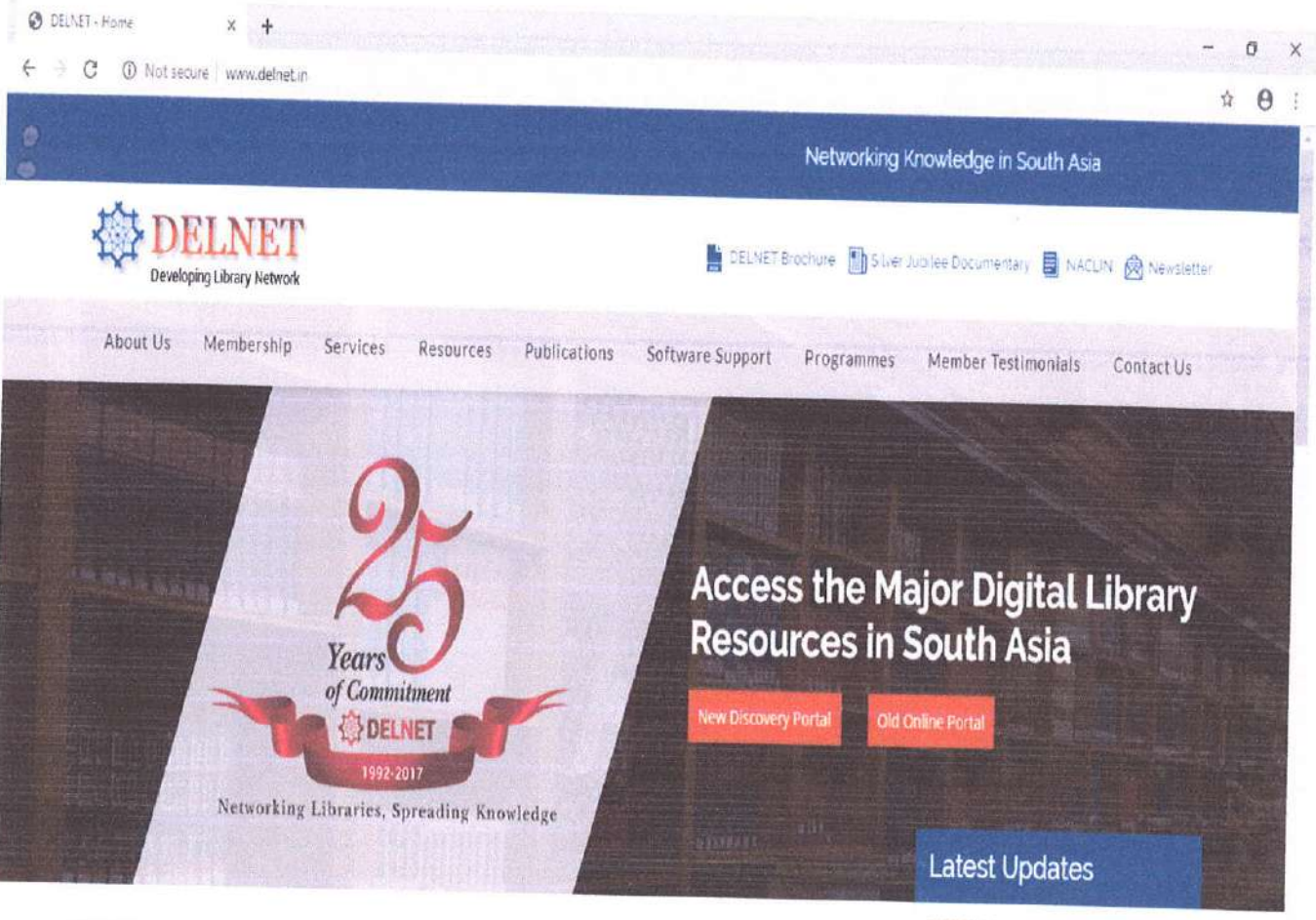
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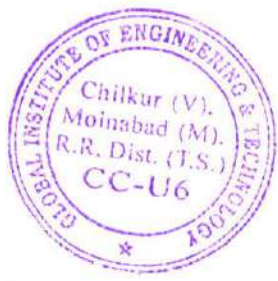
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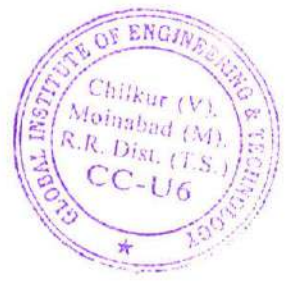
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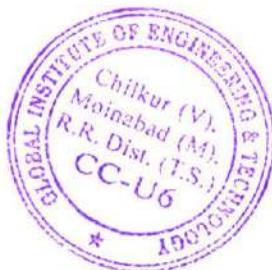
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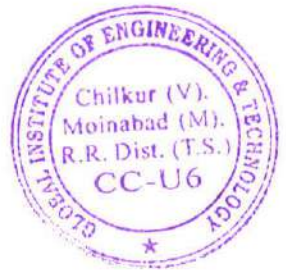


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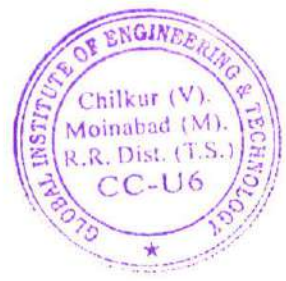


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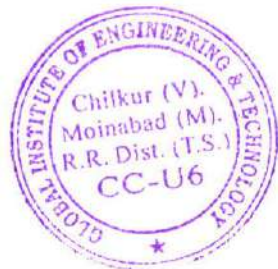


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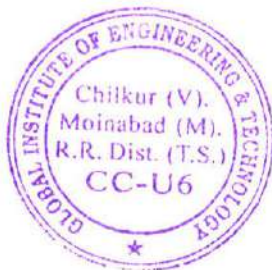


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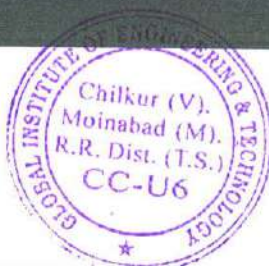
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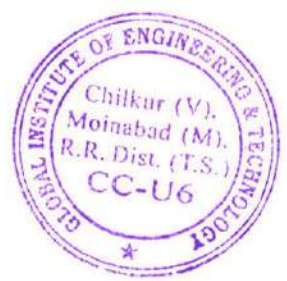
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WORKS, DAMS, CANALS, WATER  
RIGHTS AND PRODUCTS

BY  
FREDERICK HAYNES NEWELL  
DIRECTOR U. S. RECLAMATION SERVICE  
AND  
DANIEL WILLIAM MURPHY  
A. B. S. M., Ph. D.  
ENGINEER IN CHARGE OF DESIGN U. S.  
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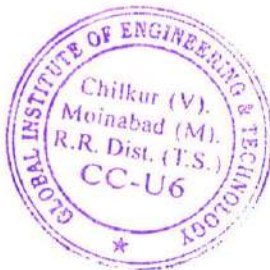


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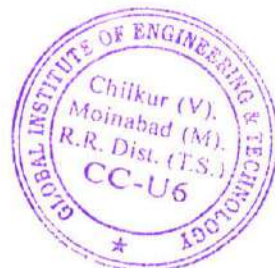
## A REVIEW OF MEMORY ALLOCATION AND MANAGEMENT IN COMPUTER SYSTEMS

Ahmed Faraz

Department of Computer & Software Engineering, Bahria University Karachi Campus,  
13 National Stadium Road, Karachi -75260, Pakistan

### ABSTRACT

*In this paper I have described the memory management and allocation techniques in computer systems. The purpose of writing this survey paper is to elaborate the concept of memory allocation and management in computer systems because of the significance of memory component in computer system's hardware. It is apparent from the work of computer scientists that effective and efficient main memory management and virtual memory management in computer systems improves the computer system's performance by increasing throughput and processor utilization and by decreasing the response time and turnaround time. Firstly I have compared Uniprogramming system with Multiprogramming system. After comparison I found that Multiprogramming systems are quite better than Uniprogramming systems from the point of view of memory utilization. Also the functionality of operating system routines which are responsible for user's memory partitioning must be improved to get better system performance in Multiprogramming system. In Uniprogramming system, the processor remains idle most of the time but dividing the memory into partitions for holding multiple processes as in Multiprogramming system does not solve the problem of idleness of a processor. Mostly all of the processes need I/O access, therefore processor also remain idle in Multiprogramming system. We have also discussed resource memory in detail and compared fixed partitioning with variable partitioning. After in depth study we found that variable partitioning is more*




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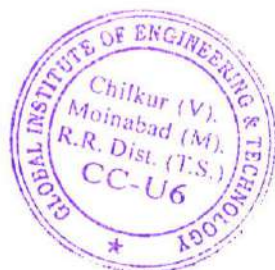
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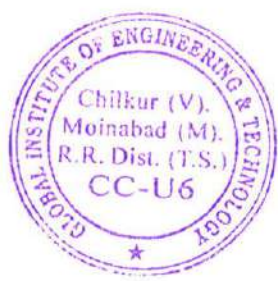
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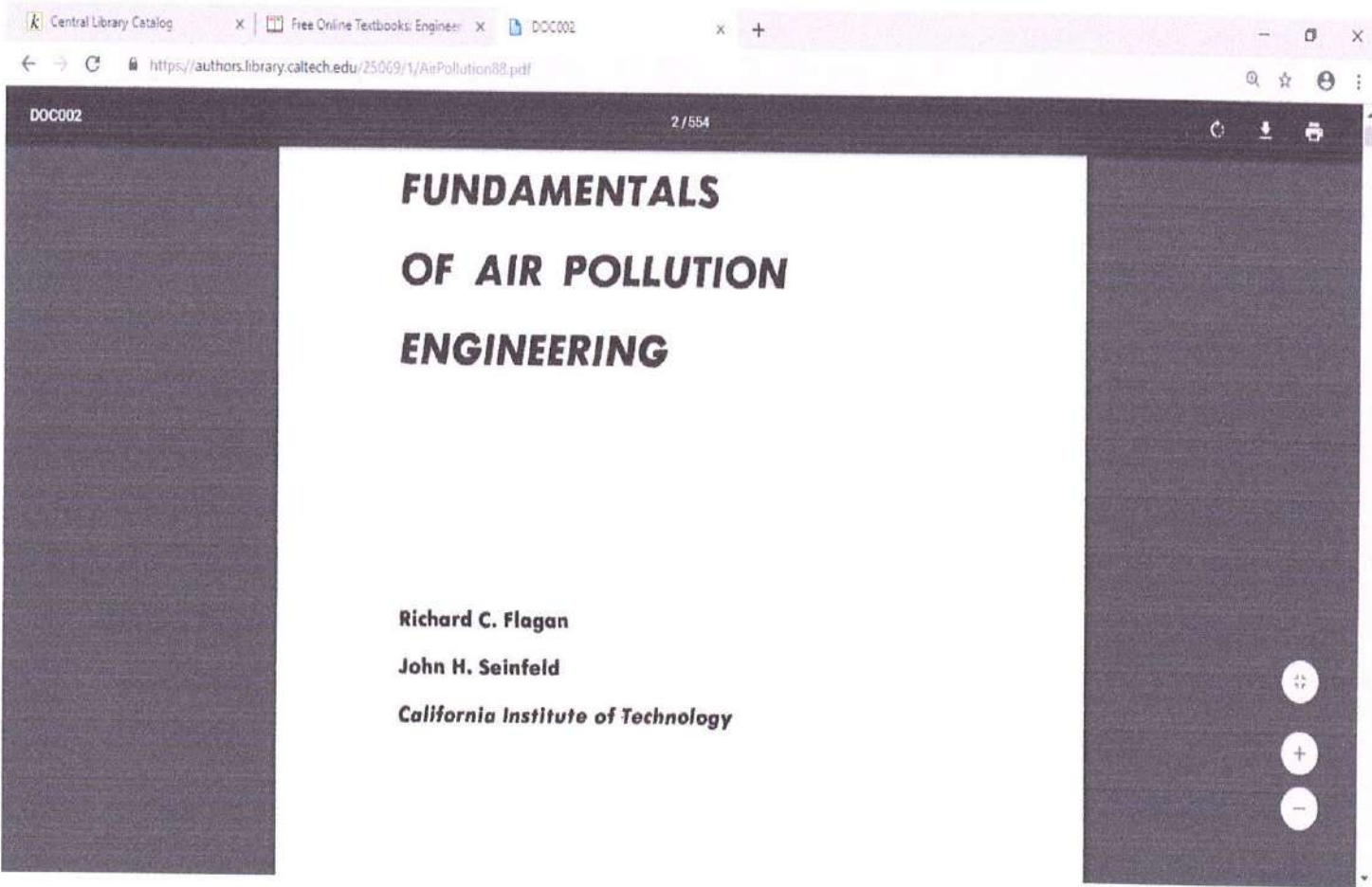
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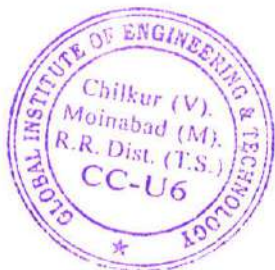


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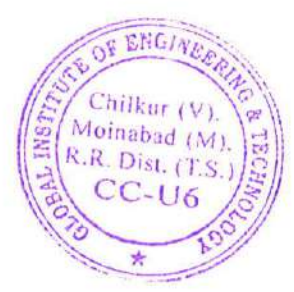
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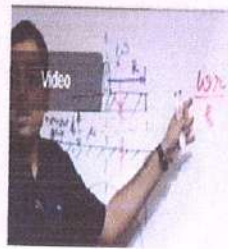
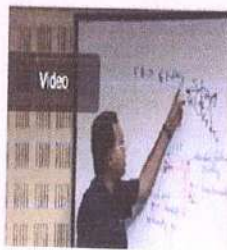
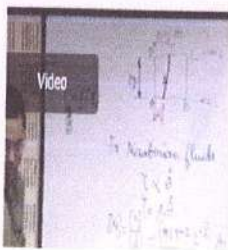
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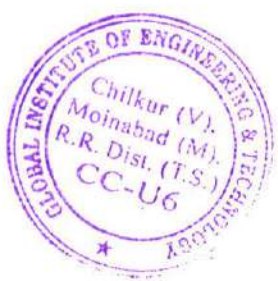
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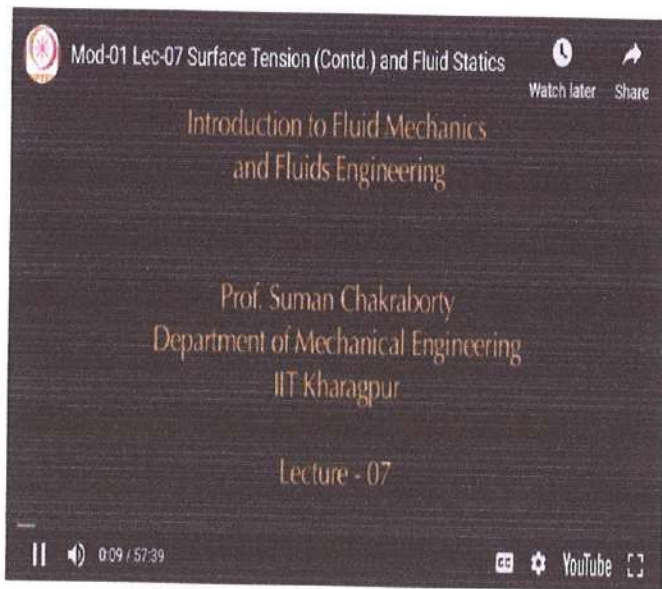
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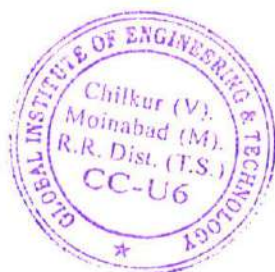
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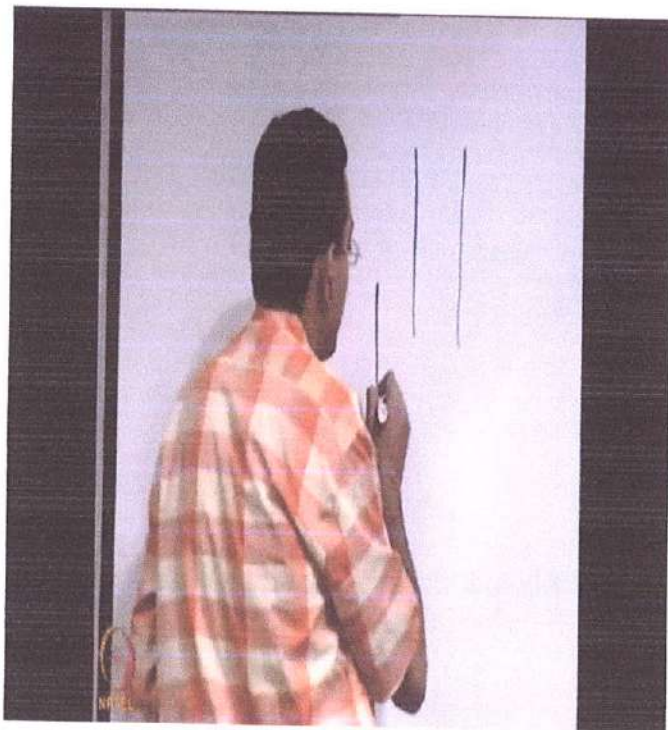
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- Vandana T sir, what's the difference between flash setting and false setting?
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- Nandhinee Krishna sir, what are the advantages of topmix permeable, the water permeable concrete over traditional water permeable pavements?
- Athira Ajay Hi sir, is there any new research areas in acid attack on geopolymer concrete?
- Aiswarya k Hi sir, i would like to know about porous cement, which can be used to avoid water logging issues
- Vaishnav Kumar As per BS 12: 1996, RHC (Rapid Hardening Cement) is only available in grades 32.5 and 42.5 and not in grade 52.5 and 62.5. Why
- Yatin Joshi Are we going to cover geopolymer concrete in this course?



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