

Smt Sindhutai Jadhao Arts and Science Mahavidyalaya, Mehkar

B.Sc. II SEMESTAR III

COMPUTER SCIENCE

Topic	Link for Material
Unit 1	
introduction to data structure	https://youtu.be/DFpWCl_49i0
type of data structure	https://youtu.be/_pNbraaaJW4
data structure operations	https://youtu.be/Ap_pj701fOo
linear array	https://youtu.be/0C6v7cRXeog
operation on array	https://youtu.be/SqEXSbWJDr8
stack	https://youtu.be/bxRVz8zkIWM
operation on stack	https://youtu.be/7SbZKSD3hN4
Unit 2	
Queues	https://youtu.be/zp6pBNbUB2U
operation on queues	https://youtu.be/sSHnAd2vJNU
concept of circular queue, dequeue, priority queue	https://youtu.be/CiCSiGc0twQ
link list	https://youtu.be/RerAO7983CQ
type of link list	https://youtu.be/DWpVGpNfDmM
operation on link list	https://youtu.be/ljDtuM-KshA
Unit 3	
tree	https://youtu.be/qH6yxkw0u78
binary tree	https://youtu.be/H5Jubkly_p8
traversing operations	https://youtu.be/XRcC7bAtL3c
sorting and searching	https://youtu.be/yUVpaSnzETo
sorting techniques	https://youtu.be/TnU8C-OkcZs
searching techniques	
Unit 4	
Object oriented programming	https://youtu.be/B8x8CC35Puo
features	https://youtu.be/l6_9rVBy62Q
advantages & application of OOPs	https://youtu.be/HqR_zP2yaRw
introduction to C++	https://youtu.be/OQIKPbb-QQY
program structure in C++	https://youtu.be/XBFGsKQX21s
Class & Object	https://youtu.be/7pPtIFn8H48
managing console I/O	https://youtu.be/JJuQeDfyGDA
formatted & unformatted	https://youtu.be/LfXQEwHxNfK
usage of manipulators	https://youtu.be/kZ0IFp_4tBo
memory allocation operator	https://youtu.be/gVGnOsB1n_o
Unit 5	
function in C++	https://youtu.be/ifSs1aDzi9M
passing object to & returning object from function	https://youtu.be/_CphH1X8HNE
function overloading & default argument	https://youtu.be/EIKSqvP43ts
inline function	https://youtu.be/sPnKYtrAZuo
friend function	https://youtu.be/uaFvU6x5nf0
array of object	https://youtu.be/TdL2Cxm_kXY
pointer to object	https://youtu.be/UwRQoLwEN9M

this pointer	https://youtu.be/wA8LriKDBAI
constuctor & desructor	https://youtu.be/y9KRmJAmmN4
type of constuctor	https://youtu.be/TrX3T2sdxO4
Unit 6	
operator overloading	https://youtu.be/cPfcLaP_DgA
overloading unary & binary operator	https://youtu.be/Wyf52VN3lQA
inheritance	https://youtu.be/8fDao3MBbwk
virtual base classes & absract base classes	https://youtu.be/lvY46O1dtw0