

Computer Science and Engineering

WEBSITE REFERENCES

Course Code	Course Title	Website References
BTPH101	Engineering Physics	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/
BTAM101	Engineering Mathematics-I	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/ • www.math.klte.hu/muzsnay/Pdf/0607EN/3_partial_dif_1.pdf
BTHU101	Communicative English	<ul style="list-style-type: none"> • www.mbaofficial.com/mba.../what-are-the-elements-of-effective-writing/ • everydaylife.globalpost.com/elements-make-good-effective-writing-196... • www.wilbers.com/elements-wilbers.pdf • https://www.mindtools.com/CommSkil/WritingSkills.htm • http://everydaylife.globalpost.com/elements-make-good-effective-writing-19674.html • http://www.skillsyouneed.com/writing-skills.html
BTEE 101	Basic Electrical and Electronics Engineering	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/
HVPE101	Human Values and Professional Ethics	<ul style="list-style-type: none"> • http://niyatigarg.files.wordpress.com/2011/08/question-bank1.pdf • http://studentsfirst.uncg.edu/exploratory/purpose/self/default.php • http://www.recognizeyourself.com/2013/03/natural-acceptance.html • http://www.engc.org.uk/professional-ethics.aspx
BTCH 101	Engineering Chemistry	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/
BTAM102	Engineering Mathematics-II	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/
BTME101	Elements of Mechanical Engineering	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/112106133/ • https://www.youtube.com/watch?v=fNcZDrfT498

BTCS 101	Fundamentals of Computer Programming and IT	<ul style="list-style-type: none"> • http://www.xconomy.com/boston/2010/01/20/hardware-vs-software/ • http://www.pcworld.com/article/2359682/meet-the-future-of-computing-10-killer-hardware-advancements-from-computex-2014.html http://www.cprogramming.com/tutorial.html
EVSC 101	Environmental Science	
BTME102	Engineering Drawing	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/112105126/ • http://nptel.ac.in/courses/112104138/
BTCS301	Computer Architecture	<ul style="list-style-type: none"> • www.powershow.com/.../CS5222_Advanced_Computer_Architecture_P.. • http://freevideolectures.com/Course/2277/Computer-Organization/9 • http://freevideolectures.com/Course/2277/Computer-Organization/29
BTAM302	Mathematics-III	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106102064/ • http://mathworld.wolfram.com/ComplexAnalysis.html • http://en.wikipedia.org/wiki/Methods_of_contour_integration
BTCS303	Digital Circuits and Logical Designs	<ul style="list-style-type: none"> • http://web.iitd.ac.in/~shouri/eel201/lectures.php • http://nptel.iitk.ac.in/ • http://www.circuitlab.com • http://www.electroniccircuits.com • http://www.logiccircuit.org
BTCS304	Data Structures	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/10610264 • http://www.cprogramming.com/algorithms-and-data-structures.html • http://www.cplusplus.com/doc/tutorial/structurs • http://www.cs.auckland.ac.nz/software/AlgAnim/Tutorials/tutorials.html
BTCS305	Object Oriented Programming Using C++	<ul style="list-style-type: none"> • https://www.youtube.com/watch?v=QY6392agFK4 • http://en.wikipedia.org/wiki/Namespace#Use_in_common_languages • http://www.youtube.com/watch?v=TvMS45AQeC4 • http://www.youtube.com/watch?v=kMdoS47Sjs • http://geosoft.no/development/cppstyle.html

BTCS401	Operating Systems	<ul style="list-style-type: none"> • http://www.linuxsoftware.org • http://www.operating-system.org/betriebssystem/_english/fa-microsoft.htm • http://www.operating-system.org/betriebssystem/_english/bs-linus.htm • http://computing.dcu.ie/~humphrys/Notes/OS/processes.html • http://www.saylor.org/courses/cs401
BTCS402	Discrete Structures	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/10610264 • www.mathsisfun.com/combinatorics/combinations-permutations.html
BTCS403	Computer Networks-I	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/IIT-MADRAS/Computer_Networks/ • http://en.wikipedia.org/wiki/Computer_network
BTCS404	Microprocessor & Assembly Language Programming	<ul style="list-style-type: none"> • www.tutorialspoint.com/computer_logical.../cpu_architecture.htm • nptel.iitk.ac.in/courses/Webcourse-contents/IIT.../Course_home1_1.html • www.nptel.ac.in/courses/Webcourse-contents/IISc.../pdf/.../LNm4.pdf • nptel.ac.in/courses/106108100/pdf/Teacher_Slides/mod1/M1L3.pdf
BTCS405	System Programming	<ul style="list-style-type: none"> • www.redbooks.ibm.com/abstracts/sg246981.html? • www.tutorialspoint.com/operating_system/
BTCS501	Computer Networks-II	<ul style="list-style-type: none"> • www.nptel.ac.in/video.php?subjectId=106105081 • www.nptel.ac.in/courses/IIT-MADRAS/Computer_Networks/
BTCS502	Relational Database Management System	<ul style="list-style-type: none"> • www.cramerz.com/database_concepts/dbms_and_rdbms • nptel.ac.in/courses/IIT-MADRAS/Intro_to.../1_Introduction.pdf • nptel.ac.in/video.php?subjectId=106106093 • www.datanucleus.org/products/datanucleus/jpa/.../tutorial_rdbms
BTCS503	Design And Analysis Of Algorithm	<ul style="list-style-type: none"> • http://ocw.mit.edu • http://www.onlinevideolecture.com • http://www.cse.iitd.ac.in/~rjaiswal/2012/csl356/ • http://nptel.iitk.ac.in
BTCS504	Computer Graphics	<ul style="list-style-type: none"> • http://nptel.ac.in • http://design.osu.edu/carlson/history/lessons.html
BTCS505	Computer Peripherals And Interface	<ul style="list-style-type: none"> • www.tutorialspoint.com/computer_fundamentals/ • www.onlinecomputerstrip.com/computertutorials • www.lammertbies.nl/comm/ • www.computerhope.com/issues/chadd.htm
BTCS601	Simulation and Modeling	<ul style="list-style-type: none"> • http://home.ubalt.edu/ntsbarsh/simulation/sim.htm • http://nptel.iitk.ac.in/courses/Elec_Engg/IITKanpur/ModellingandSimulation • http://www.cs.bu.edu/groups/itm/SATS/simulation.html • https://phet.colorado.edu/en/simulations/category/new • nile.wpi.edu/NS/

BTCS602	RDBMS-II	<ul style="list-style-type: none"> • www.cramerz.com/database_concepts/dbms_and_rdbms • nptel.ac.in/courses/IIT-MADRAS/Intro_to.../1_Introduction.pdf • nptel.ac.in/video.php?subjectId=106106093 • www.datanucleus.org/products/datanucleus/jpa/.../tutorial_rdbms
BTCS603	Software Engineering	<ul style="list-style-type: none"> • http://www.networks.howard.edu • http://www.tutorialspoint.com/software_engineering/ • http://nptel.ac.in/courses/106104028/
BTCS904	Information Security	<ul style="list-style-type: none"> • http://www.infosec.gov.hk/english/technical/files/overview.pdf • http://www.isy.vcu.edu/~gdhillon/Old2/secconf/secconf07/PDFs/47.pdf • http://pajhome.org.uk/crypt/rsa/contrib/RSA_Project.pdf • http://www.gfi.com/whitepapers/security_threats_SMBs.pdf
BHU251	Human Resource Management	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/122105020/1 • https://www.youtube.com/watch?v=BahAbX7yWX8 • http://nptel.ac.in/courses/122105020/6 • http://nptel.ac.in/courses/122105020/13 • http://nptel.ac.in/courses/122105020/9
BTCS701	Artificial Intelligence	<ul style="list-style-type: none"> • http://www.britannica.com/EBchecked/topic/37146/artificial-intelligence-A • http://www.webopedia.com/TERM/A/artificial_intelligence.html • http://nptel.ac.in/courses/106105077/
BTCS702	Theory of Computation	<ul style="list-style-type: none"> • http://nptel.ac.in/courses/106104028/ • http://nptel.ac.in/courses/106104028/2 • http://nptel.ac.in/courses/106104028/3 • http://web.cecs.pdx.edu/~harry/TheoryOfComp/index.html
BTCS906	Software Project Management	<ul style="list-style-type: none"> • http://www.neptel.ac.in/courses/webcourses-contents/iitkharagpur/softengg • http://nptel.ac.in/video.php?subjectId=106101061
BTCS912	Cloud Computing	<ul style="list-style-type: none"> • www.greencloud.gforge.uni.lu • www.cloudbus.org • www.vmware.com/in/virtualization • http://windowsazure4beginner.com/ • azure.microsoft.com/en-in • cloudsecurityalliance.org