**Computer Science Coursework**

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| **Course Name** | **Institution** | **Date taken(MM/YYY)** | **Grade Received(AA highest and lowest FF)** | **Books** |
| Calculus | Gujarat Technological University | 07/2011 | BB | 1.Calculus - Single and Multivariable  **Author** : Hughes-Hallett et al  **Publisher** : John-Wiley and Sons (2003).  2. Calculus  **Author** : . James Stewart  **Publisher** : Thomson (2003).  3. Calculus Volumes 1 and 2  **Author** : T. M. Apostol  **Publisher** : Wiley Eastern 1980.  4. Calculus and Analytic Geometry  **Author** : G. B. Thomas and R. L. Finney |
| Computer Programming and Utilization | Gujarat Technological University | 01/2012 | BC | 1. Programming in ANSI C  **Author** : Balagurusamy E  2. Object oriented programming with C++  **Author** : Balagurusamy E  **Publisher** : Tata McGraw-Hill Publishing Company limited  3. Computer concepts and Programming  **Author** : Vikas Gupta  4. Programming in C  **Author** : Ashok Kamthane  **Publisher** : Pearson |
| Vector Calculus and Linear Algebra | Gujarat Technological University | 01/2012 | AB | 1. Introduction to Linear Algebra with Application, Jim Defranza, Daniel Gagliardi, Tata McGraw-Hill  2. Elementary Linear Algebra, Applications version, Anton and Rorres, Wiley India Edition.  3. Advanced Engineering Mathematics, Erwin Kreysig, Wiley Publication.    4. Elementary Linear Algebra, Ron Larson, Cengage Learning  5. Calculus, Volumes 2, T. M. Apostol, Wiley Eastern.  6. Linear Algebra and its Applications, David C. Lay, Pearson Education |
| Digital Logic Design | Gujarat Technological University | 06/2012 | AB | Digital Logic and Computer Design  **Author** : M Morris Mano |
| Advanced Engineering Mathematics | Gujarat Technological University | 06/2012 | BB | **Text Books:**  1. Advanced Engineering Mathematics (8th Edition), by E. Kreyszig, Wiley-India (2007). (1.1,1.2, 1.5, 1.6, 1.7, 1.8, 2.1 to 2.15, 4.1, 4.2, 4.4, 5.1 to 5.9, 10.1 to 10.4, 10.6, 10.8, 11.3, 11.4,  11.5, 11.6)  2. Engineering Mathematics Vol 2, by Baburam, Pearson( 1.12, 4.20,5.1 to 5.8)  **Reference Books:**  1. W. E. Boyce and R. DiPrima, Elementary Differential Equations (8th Edition), John Wiley (2005).  2. R. V. Churchill and J. W. Brown, Fourier series and boundary value problems (7th Edition),  McGraw-Hill (2006).  3. T.M.Apostol, Calculus , Volume-2 ( 2nd Edition ), Wiley Eastern , 1980 |
| Mathematics IV | Gujarat Technological University | 01/2013 | BB | 1. R. V. Churchill and J. W. Brown, Complex variables and applicati (7th Edition),  McGraw-Hill (2003).  2. J. M. Howie, Complex analysis, Springer-Verlag (2004).  3. M. J. Ablowitz and A. S. Fokas, Complex Variables- Introduction and  Applications, Cambridge University Press, 1998 (Indian Edition).  4. E. Kreyszig, Advanced engineering mathematics (8th Edition), John  Wiley (1999).  5. S. D. Conte and Carl de Boor, Elementary Numerical Analysis- An Algorithmic  Approach (3rd Edition), McGraw-Hill, 1980.  6. C. E. Froberg, Introduction to Numerical Analysis (2nd Edition), Addison-Wesley,  1981. |
| Microprocessor and Interfacing | Gujarat Technological University | 01/2013 | AA | 1. Microprocessor Architecture, Programming, and Applications with the 8085  **Author** : Ramesh S. Gaonkar  **Publisher** : Penram International  2. Microcomputers and Microprocessors: The 8080,8085 and Z-80 Programming, Interfacing and Troubleshooting  **Author** : John E. Uffenbeck.  3. Microprocessor and Microcontroller fundamentals. The 8085 and 8051 Hardware and Software  **Author** : William Kleitz. |
| Object Oriented Concepts and Programming | Gujarat Technological University | 01/2013 | BC | 1. Object Oriented Design  **Author** : Rumbaugh  **Publisher** : (Pearson publication)  2. Object-oriented programming with C++  **Author** : E.Balagurusamy,  **Publisher** : TMH. |
| Visual Basic Application and programming | Gujarat Technological University | 06/2013 | AA | 1. Excel VBA Macro Programming, 2004  **Author** : Richard Shepherd  **Publisher** : Mc Graw Hill.  2. Mastering VBA,  **Author** : Guy Hart-Davis  **Publisher** : Wiley Publication, Sybex  3. Excel VBA Macro Programming, 2004  **Author** : Richard Shepherd  **Publisher** : Mc Graw Hill.  4. Access VBA Programming  **Author** : Charles Brown, Ron Petrusha  **Publisher** : Mc Graw Hill. |
| Digital Signal Processing | Gujarat Technological University | 06/2014 | BB | 1. Digital Signal Processing: Principles, Algorithm & Application  **Author** : Proakis, Manolakis, Proakis, Manolakis  **Publisher** : Pearson Education  2. Discrete Time Signal Processing  **Author** : Oppeheim, Schafer,  **Publisher** : Buck Pearson education publication,  3. Fundamentals of digital Signal Processing  **Author** : Lonnie c.Ludeman,  **Publisher** : Wiley  4. Digital Signal Processing fundamentals and applications  **Author** : Li Tan ,  **Publisher** : Elsevier |
| Embedded Systems | Gujarat Technological University | 06/2014 | BB | 1. Embedded System: Architecture, Programming and Design  **Author** : Rajkamal,  **Publisher** : TMH  2. ARM System on Chip Architecture  **Author** : Steve Furber,  **Publisher** : Pearson Education  3. Computer as Components: Principles of Embedded Computing System Design  **Author** : Wayne Wolf,  **Publisher** : Morgan Kaufmann Publication |
| Data Communication and Networking | Gujarat Technological University | 01/2015 | AA | 1. Computer Networks,  **Author** : Andrew Tanenbaum,  **Publisher** : Pearson Education.  2. Introduction to Data Communication and Networking,  **Author** : Wayne Tomasi,  **Publisher** : Pearson |
| HTML,CSS and Javascript | Igate Corporate University | 08/2015 | Secured 3rd rank from the batch of 60 employees | Igate Internal Books |
| Core Java, JSP servlets | Igate Corporate University | 08/2015 | Igate Internal Books |
| Database- SQL and PL-SQL | Igate Corporate University | 09/2015 | Igate Internal Books |
| Java Spring Framework | Igate Corporate University | 10/2015 | Igate Internal Books |
| C# .NET | Igate Corporate University | 12/2015 | Igate Internal Books |
| Xamarin Android, Xamarin iOS and Xamarin Forms | Igate Corporate University | 04/2016 | Igate Internal Books |