**Government College of Technology, Coimbatore – 641013**

**Video Lectures**

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| **Name of the teacher** | **Name of the module developed** | **Video Link** |
| Dr.M.Blessy Queen Mary | Phrase Structure Grammar | <https://youtu.be/-7N1mhhCqdA> |
| Regular Expressions | <https://youtu.be/-MLzprFOhkQ> |
| Finite Automata | <https://youtu.be/u05XzZWROn4> |
| Languages | <https://youtu.be/a9vddjsKea0> |
| R. Devi | Secure Scoket Layer and Transport Layer Security | <https://www.youtube.com/watch?v=EKkeCrRWWzQ> |
| exception handling part 1 | <https://screencast-o-matic.com/watch/cYfe284KSI> |
| exception handling part 2 | <https://screencast-o-matic.com/watch/cYfe284KSI> |
| Class and object in python  | <https://screencast-o-matic.com/watch/cYfe284KSI> |
| Class and object in python part2  | <https://screencast-o-matic.com/watch/cYfe284KSI> |
| Introduction to Data Communication and Networking | <https://www.youtube.com/watch?v=edTVFJ28LW8> |
| Components of Data comminication | <https://www.youtube.com/watch?v=1HNampUnG_M> |
| Introduction to python programming | https://www.youtube.com/watch?v=LTTUy8IrjiQ |
| T. Suguna | Array Data Structure | <https://youtu.be/X50D8iK5YdY> |
| Stack Data Structure |
| Queue Data Structure |
| Classes in Pythgon |
| Files in Pythgon | <https://youtu.be/wWZ9hASJbkw> |
| Introduction to Data Structure  |
| Recursive Function in Python |
| Dictionay Operations in Python |
| Inheritance in Python |
| Introduction to C++ |
| Begining with C++ |
| Basic Concepts of OOPS |
| M. Jeyanthi | program explanation :to find whether a given number is odd or even in python | <https://youtu.be/MzzbkNzM6_Q> |
| python introduction | <https://youtu.be/BGK18AbOViQ> |
| program explanation:guessing a number | <https://youtu.be/RlDWXRd-ngg> |
| number system introduction | <https://youtu.be/ViDAtn2DRNM> |
| program explanation:Copy of write random numbers into a file and read the same value from the file | <https://youtu.be/0Zka_Y2MlPI> |
| Copy of write random numbers into a file and read the same value from the file | <https://youtu.be/NPwdFc4qz0M> |
| karnaugh map | <https://youtu.be/7izG14S-Eug> |
| File Read | <https://youtu.be/vRVJ1mWT2Oo> |
| file write | <https://youtu.be/57M8MR7wegI> |
| half adder implementation using breadboard simulator | <https://youtu.be/WbsIpU38P_c> |
| Logic gates | <https://youtu.be/NEzYNjrG5C4> |
| Gui introduction | <https://youtu.be/o6Q8lpgKyl0> |
| Count the number of zeros in the list in pyhton using recursive function | <https://youtu.be/BE6f33rKoWo> |
| Demand paging in operating system | <https://youtu.be/AouZR1yhDz4> |
| Data hiding in Python | <https://youtu.be/-MC47b7VT3M> |
| Factorial using recursion in python | <https://youtu.be/iLfhcjW9OVI> |
| Free space management in os | <https://youtu.be/ve3XTQECeGk> |
| Sum of n numbers in python | <https://youtu.be/NvmvFMuv3sw> |
| Malavika | Boolean laws and truth table verification using gates  | <https://drive.google.com/file/d/1-wWCWfoGXHrSIkWA2wEbu9LZX0n_3YXo/view?ts=5eafda7b> |
| S.Gladson Oliver | LEGv8 instruction format | <https://drive.google.com/file/d/1hvBfyYRba-puGre3ZQq0LwNxdEV-I9eB/view?usp=drivesdk> |
| 8086 addressing modes |
| 8086 architecture |
| Microprocessor vs microcontroller |
| AJAX demonstration |
| DOM parser using servlet |
| Servlet demonstration |
| Datapath design using LEGv8 instructions |
| Rakesh Gautam | Engineering Mechanics: Prerequisite, Equilibrium | <https://rakeshgautam60.gnomio.com/> |
| Free Body Diagram |
| Trusses And Friction |
| First and Second Moment of Inertia, Virtual Work |
| Plane motion and Work Energy, Impulse |
| Engineering Mechanics Solved Problems |
| Th.R.Surendran | Metal cutting and Machining | [https://profsuren.gnomio.com](https://profsuren.gnomio.com/) |
| Metal cutting and Machining |
| Machining operation Grinding Gear manufacturing |
| Machining operation Jigs and Fixtures |
| Metal cutting Theoratical concepts |
| Metal machining Theoratical concepts |
| Engineering Materials and Metallurgy Metal casting Metal welding |
| Dr.K.Ramesh | INTERNAL COMBUSTION ENGINES – OTTO CYCLE & DIESEL CYCLE | <https://krameshgct.gnomio.com/> |
| INTERNAL COMBUSTION ENGINES – DUAL CYCLE & PERFORMANCE OF ENGINES |
| POWER ENGINEERING – SIMPLE GAS TURBINE |
| POWER ENGINEERING – RANKING CYCLE |
| Power Engineering – Compressor (Reciprocating, Rotary & Axial-flow) |
| Dr.N.Nandakumar | [Design for Welding](https://nandakumar.gnomio.com/course/view.php?id=3#section-1) | [https://nandakumar.gnomio.com](https://nandakumar.gnomio.com/) |
| [Design for Welding](https://nandakumar.gnomio.com/course/view.php?id=3#section-1) |
| Machine Design |
| [Rivets](https://nandakumar.gnomio.com/course/view.php?id=3#section-2) |
| [Shaft design](https://nandakumar.gnomio.com/course/view.php?id=3#section-3) |
| Dr. S periyasami | Fluid Mechanics gate exam kinematics and differential | [https://speriyasamy.gnomio.com](https://speriyasamy.gnomio.com/) |
| Fluid Mechanics gate exam -model and turbine analysis |
| Boundary layer |
| Fluid ststics |
| Beurnouli equation |
| momentum torque |
| Dr. Solai ayyappan | Forecasting | [https://ayyappansola.gnomio.com](https://ayyappansola.gnomio.com/) |
| Forecasting |
| Inventory |
| [Quantity Discounts](https://ayyappansola.gnomio.com/course/view.php?id=2#section-5) |
| [Quantity Discounts](https://ayyappansola.gnomio.com/course/view.php?id=2#section-5) |
| Dr. B Rajeswari | Metrology and Inspection Part 1 | [https://rma.gnomio.com](https://rma.gnomio.com/) |
| Metrology and Inspection Part 2 |
| Metrology and Inspection Part 3 |
| Metrology and Inspection Part 4 |
| Metrology and Inspection Part 5 |
| Prof N Vadivel | Thermodynamics Part 1 | [https://velgem.gnomio.com](https://velgem.gnomio.com/) |
| Thermodynamics Part 2 |
| Thermodynamics Part 3 |
| Prof. Bradeesh Moorthy | stress and strain | [https://bradeshm.gnomino.com](https://bradeshm.gnomino.com/) |
| Plain stress and strain |
| Shear force and bending moment diagram |
| Deflection |
| mohr circle |
| Prof Kulandaivel | Conduction 1 | [https://dkulandaivel.gnomio.com](https://dkulandaivel.gnomio.com/) |
| Conduction 2 |
| Convection |
| Heat Exchangers |
| Radiation |
| Dr. MS Aezhsai Vallavi | GATE CASTING PART 1 | <https://aezhisaivallavi.gnomio.com/> |
| GATE CASTING PART 2- Q & A |
| GATE JOINING PROCESS PART 1 |
| GATE FORMING PROCESS PART 1 |
| ENGINEERING MATERIALS |
| Dr. J. Mercy Nisha Pauline, IBT | ATBT-Differential Scanning Colorimetry | https://drive.google.com/open?id=1EHBGMKywBx2bozVmKK2nPEpNP\_jol4lBhttps://drive.google.com/open?id=1QvubXFqkaHdQzhGSpz6xCXDikwgQhh8yhttps://drive.google.com/open?id=19lPVLl6TlQhCQV2T2ejSdoBFqXgoviI6https://drive.google.com/open?id=1YoD5SSankjyUNMgU5JsQGP9qJtoME\_4ahttps://drive.google.com/open?id=1YtiB0cQhSh2u7Oxo7rA\_khkrP7XK0rDPhttps://drive.google.com/open?id=1mYicG\_LcV7f6egzm38JJN36qOuXMZ5VShttps://drive.google.com/open?id=1EHBGMKywBx2bozVmKK2nPEpNP\_jol4lBhttps://drive.google.com/open?id=1QvubXFqkaHdQzhGSpz6xCXDikwgQhh8yhttps://drive.google.com/open?id=19lPVLl6TlQhCQV2T2ejSdoBFqXgoviI6https://drive.google.com/open?id=1YoD5SSankjyUNMgU5JsQGP9qJtoME\_4ahttps://drive.google.com/open?id=1YtiB0cQhSh2u7Oxo7rA\_khkrP7XK0rDPhttps://drive.google.com/open?id=1mYicG\_LcV7f6egzm38JJN36qOuXMZ5VS |
| ATBT-Differential Thermal Analysis |
| Cancer Biology-Introduction |
| Biochemistry-Introduction |
| ATBT-Gas Chromatography |
| Cancer Biology - Epidemiology |
| Biochemistry-Carbohydrates classification 1 |
| ATBT-High Pressure Liquid Chromatography |
| ATBT - Gel Filtration Chromatography |
| Cancer Biology - Risk factors |
| Carbohydrates Classification 2 |
| Cancer Biology - Cell cycle |
| Cell cycle Regulators |
| Biochemistry - Physical Properties of carbohydrates |
| Biochemistry - chemical properties of Carbohydrates |
| Biochemistry - Classification of Aminoacids |
| Cancer Biology - Carcinogenesis |
| Biochemistry Lab - Pipette Handling |
| Qualitative analysis of carbohydrate |
| ATBT - Error, accuracy, precision |
| ATBT- Calibration method analytical curve |
| ATBT -standard addition |
| Internal standard |
| FTIR demo |
| L.Sumathi | Python Function: Scope of Variable | <https://drive.google.com/open?id=18dJnUhkBVvyX78rU_hbTHeloCX1xKnVr> |
| Python Function:Information Transfer |
| Need for Function |
| Python :Functions as arguments |
| Python :Nested Functions |
| Python Recursive function: factorial computation |
| Python Recursive function:Fibnoacci series generation |
| E- Certitficate Generation |
| Decision Making Structure in C |
| History and Evolution of Java  |
| Introduction to OOAD |
| Operators in C,Expression,IOFormatting in C |
| OOPS in Java |