

Dbios

Kits for Projects



TRY IT YOUR SELF

Dbios weaves a horbinger for student to assemble their own projects with Dbios Kits under the able guidance of their guides.

Dbios inspires students to develop their individual projects & not indulge in habit of taking readymade projects.

Dbios project kits contains detailed:

Hardware Objects

Superior Quality Components, Programmed Micro Controller, PCB Design and component layout, so that Students can try to manufacture PCB in their college lab. (If anything went wrong in manufacturing then you can use the PCB provided with the kit.)











Software Solutions

Program and its flow chart

Online Assistance for the projects (if still u / ur student found any difficulty online support is available , u can send us queries via email)

We do not assemble for you

Here are the following list of projects:

-  Digital Visitor Counter using 89C2051
-  Fire Fighting Robot (AT89S52)
-  Line Following Robot (AT89C2051)
-  Home Security System(AT89S52)
-  DS1620 Based Temperature Controller (AT89S52)
-  Infra Red Remote Switch (6 devices + 1 fan) -AT89S52
-  Password Based Door Locking (AT89C2051)
-  Prepaid Energy Meter (AT89S52)
-  Solar tracking System (AT89C2051)
-  Traffic Light Controller (AT89C2051)



Rate on Request



DESH BIOLOGICAL WORKS

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Dbios Electronics Engg. Charts

Size 20"x30" Laminated and attached with durable strips Rs. 375/- Each

OR Laminated and Framed on Board Rs. 750/- Each

Analog Devices & Circuits

1. FET Characteristics
2. UJT Characteristics
3. MOSFET Characteristics
4. Transistor Configurations and its Characteristics
5. Class-A Amplifiers (Direct and Transformer Coupled)
6. Push/Pull Amplifiers
7. Transistor Hybrid Model and h parameter

Digital Circuit and Logic Design

1. Number Systems
2. Codes
3. Basic Theorems of Boolean Algebra
4. Adders/ Subtractors
5. Asynchronous Counters and Timing Diagram
6. Synchronous Counter and Timing Diagram
7. Internal Diagram of Memory (RAM/ROM)
8. Programmable Logic Arrays (PLA)
9. Programmable Array Logic (PAL)
10. Field Programmable Gate Array (FPGA)

Network Analysis and Synthesis

1. Network Theorems
2. Representation of Basic Circuits in Terms in Frequency Domain
3. Filters
4. Chebyshev and Butterworth Filters
5. Z-Transform of Causal and Non Causal Signals

Linear Control Systems

1. Error Detectors in Control Systems
2. Compensation of the Linear Control Systems
3. Components of Control Systems-1
4. Components of Control Systems-2
5. Modeling of Control Systems

Analog Communication Systems

1. Types of Analog Modulation
2. Types of Communication Transmission Systems
3. AM Transmission (Square Law/ Ring/ Balanced)
4. AM Receivers
5. AM Mixers
6. AM Detectors
7. FM Transmitters
8. FM Detectors
9. FM Stereo and 2-Way FM Radio (Transmission & Reception)
10. Single Side Band Transmission
11. Single Side Band Reception
12. Pulse Amplitude Modulation (PAM)
13. Pulse Time/Pulse Width/ Pulse Position Modulation (PTM/PWM/PPM)

Signal & Systems

1. Classification of Signals

Electromagnetic & Antennas

1. Antenna Arrays
2. Aperture Antennas

Electronic Measurement & Instrumentation

1. Types of Voltage Meters
2. Resistance Measurement Using Bridge

Pulse Wave Shaping and Switching

1. Monostable Multivibrator Using Transistor
2. Astable Multivibrator Using Transistor
3. Linear Phase Shaping Circuits and Response
4. Clipping and Clamping
5. Diode/ Transistor/ Operational Amplifier Comparators

Digital Communication System

1. Pulse Code Modulation (PCM)
2. α -law & μ -law Comanding
3. Delta Modulation and Adaptive Delta Modulation
4. Digital Carrier Line Encoding Techniques
5. FSK Detectors
6. Minimum Shift Keying (MSK) & Gaussian Minimum Shift Keying (GMSK)

Linear Integrated Circuit

1. Differential Amplifiers
2. Operational Amplifier (Op-Amp)
3. Op-Amp Feedback Configurations
4. Compensating Networks and Compensated Op-Amp
5. Applications of Op-Amp-1
6. Applications of Op-Amp-2
7. Applications of Op-Amp-3
8. Applications of Op-Amp-4

Microwave & Radar Engineering

1. Microwave Components
2. Microwave Tubes
3. Microwave Solid State Devices
4. Applications of Microwave
5. Block Diagram and Applications of Radar
6. Applications of Radar
7. Types of Radar
8. Scanning Techniques of Radar
9. Angle Tracking System in Radar

Wireless Communication System

1. Wireless Communication Systems

Optical Communication

1. Types of Optical Fiber (Already designed but need changes)
2. Numerical Aperture in Optical Fiber (Already designed but little mistake)
3. Losses in Optical Fiber
4. Optical Transmitters
5. Optical Receivers

Industrial Electronics

1. Controlled Rectifiers

New
Additions