**Shri R. L. T. College of Science, Akola**

**Department of Electronics**

**One week Students enrichment Programme taken by Department of electronics in the form Certificate course. This certificate divided into two Parts**

**Course 2 :-Certificate course in design of power supplies and trouble shooting.**

**We have taken 30 hours time period in a week to complete this course for the students of B.Sc II and B.Sc III. . Students of B.Sc II participated in the first course to identify analog devices like resistor ,capacitor and inductor. They identify their values and find their current and voltage ratings also in digital devices they should know the logic gates and ICs. After 30 hour completion we will taken their oral examination for identification of both the devices.**

**B.Sc. III students participated In that course there is no examination students can design the power supplies and find their troubleshooting some Photographs as shown in the report .After successful completion of the designing part we will allot their certificate .**

**Syllabus :-**

**For course 2**

Principles of voltmeter, ammeter, ohmmeter, Multirange DC voltmeter, ohm per volt rating, loading effect, Multirange DC Ammeter, Series & shunt type ohmmeter, Multimeter (uses & drawback). CRO Block diagram & explanation, CRT construction & working, uses of CRO (measurement of frequency , amplitude& phase.

Operation and characteristics of PN junction diode, Avalanche and Zener breakdown mechanism, Half wave and full wave rectifiers (ripple factor, efficiency, PIV ratings), C, L and p filters, Concept of unregulated and regulated power supply, Zener diode voltage regulator, Three terminal IC regulator.

**Timetable for both the certificate Courses :-**

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Date** | **For Coruse 1 and 2** | **For Course 1 and 2** |
| **Monday** | **11/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |
| **Tuesday** | **12/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |
| **wednesday** | **13/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |
| **Thursday** | **14/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |
| **Friday** | **15/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |
| **Saturday** | **16/02/2020** | **9.00am. to 12.00pm** | **3.00pm to 6.00pm** |

**For Course 2 The Following Students Enrolled**

|  |  |  |
| --- | --- | --- |
| Sr.No. | Name of The Students | Class |
| 1 | AISHWARYA SURESH TAYADE | B.Sc III |
| 2 | APEKSHA DADARAO TIDKE | B.Sc III |
| 3 | AYESHAMAA MOHD FAIYAZ AMDANI | B.Sc III |
| 4 | GAYATRI GAJANAN PAGRUT | B.Sc III |
| 5 | JANAKI DEEPAK DESHMUKH | B.Sc III |
| 6 | JYOTISHREE PRATAP MAHAPATRA | B.Sc III |
| 7 | KALYANI MAHENDRA PANDE | B.Sc III |
| 8 | KALYANI RAJU SANGADE | B.Sc III |
| 9 | KOMAL LALBAHADUR VARMA | B.Sc III |
| 10 | KOMAL NAGESH SHEGOKAR | B.Sc III |
| 11 | MAYUR GANESH KANGATE | B.Sc III |
| 12 | MUKTA UDDHAW KHANDWAYE | B.Sc III |
| 13 | NAMRATA VIJAY GIRHE | B.Sc III |
| 14 | PRACHI TEJRAO KAWAR | B.Sc III |
| 15 | PRERNA ANAND PASORIYA | B.Sc III |
| 16 | PRITICHANDA KESHAB MAHAPATRA | B.Sc III |
| 17 | PRIYANKA DIGAMBER NAITAM | B.Sc III |
| 18 | PRIYANKA RAJESH KAWALEKAR | B.Sc III |
| 19 | ROSHAN RAJU GANESHPURE | B.Sc III |
| 20 | RUPALI SHESHRAO NILKANTH | B.Sc III |
| 21 | RUPALI MADHUKAR BOPATE | B.Sc III |
| 22 | RUTUJA RAVINDRA SARAF | B.Sc III |
| 23 | SHIVANI JAYANT PATIL | B.Sc III |
| 24 | SHRAVANI VINOD KHER | B.Sc III |
| 25 | SIMRAN CHANDRASHEKHAR GADODIYA | B.Sc III |
| 26 | SONAL SANJAY DEOKATE | B.Sc III |
| 27 | SUJATA SHANKAR ASOLKAR | B.Sc III |
| 28 | VAISHNAVI ASHOK MANGATE | B.Sc III |
| 29 | VAISHNAVI JAYANTRAO GAWANDE | B.Sc III |
| 30 | VIJAYA RAMDAS TEKADE | B.Sc III |
| 31 | VIJAYA WASUDEV PIMPLE | B.Sc III |
| 32 | YOGITA JANARDHAN RAUT | B.Sc III |
| 33 | ADITYA ASHOK YADAV | B.Sc III |
| 34 | AKSHAY RAJENDRA NIKOLE | B.Sc III |
| 35 | ANUP ARUN RAUT | B.Sc III |
| 36 | GOPI RAMNIVAS KABRA | B.Sc III |
| 37 | HARINARAYAN MANOHAR MANGLE | B.Sc III |
| 38 | HITESH VINOD JOSHI | B.Sc III |
| 39 | MAYUR PRAFUL DATE | B.Sc III |
| 40 | NAGORAO SIDDHARTHA FULKAR | B.Sc III |
| 41 | PRAMEYA PRAVIN UPASANE | B.Sc III |
| 42 | PRASAD GAJANAN JOSHI | B.Sc III |
| 43 | PRATIK SADASHIVRAO DESHMUKH | B.Sc III |
| 44 | ROHIT RAJU SULE | B.Sc III |
| 45 | RUSHIKESH DILIPKUMAR SURWADE | B.Sc III |
| 46 | RUSHIKESH PRAKASH RANE | B.Sc III |
| 47 | SARANG SUSHIL SARJEKAR | B.Sc III |
| 48 | UMESH DATTA KHARAT | B.Sc III |
| 49 | VIKAS BHASKAR KALAMB | B.Sc III |
| 50 | VISHAL RAJU BHILKAR | B.Sc III |

 

 











