



TRF RECRUITMENT 2022

ELECTRONICS DOMAIN

Pre-Interview Tasks

Second Year Task Allotment

Name	Task No.
ARYAN AJIT VAIDYA	1
ABBAS MADHVASWALA	2
ABHIJEET WAIKAR	3
ADITI SHIMPI	4
ADITYA HANBAR	5
ADITYA SALUNKHE	6
AKASH HURSAD	7
AKHILESH VIPIN KULKARNI	8
AMAR SHETE	9
AMOGH DESHPANDE	10
ANAND DESHMUKH	11
ANJALI PRASAD THORAT	12
ARYAN NAIK	13
ARYAN SHISODE	14
ASTIK KAURASE	15
ATHARVA KUAKRNI	16
BHUSHAN RAMESH INGALE	17
DEVIKA KADAM	18
DHRUV THAKKAR	19
ESHAN MEHENDALE	20
RAJ DHARMALE	21
RAJNANDINI KAMBLE	22
RIYA SHAH	23
SHOBIT SHINDE	24
SHRIRANG MAHANKALIWAR	1
SHRUTI KISHOR KORPADE	2
SOHAM AKOTKAR	3
SOHAM PHADKE	4
SWAYAMPRAKASH MAHALE	5
TANAYA BALAJI DAHATONDE	6
TANGADE SANDESH NARAYAN	7

HARSHAL INGALE	8
HETAN HEMANT NANDRE	9
HIMANSHU ANGANE	10
HIMANSHU INGALE	11
HIMANSHU KHARE	12
DIVYA LOTHE	13
JAYESH MUNDPHANE	14
JAYRAJ BORATE	15
MADHURA SALAPURKAR	16
MAYUR DABADE	17
MAYUR GAIKWAD	18
MAYUR TALEWAR	19
NIKHIL YEWARE	20
OJASVI GHULE	21
OM VARTAK	22
PARAG PURANDARE	23
PARAS BUVA	24
PARIDHI NARNAWARE	1
PRASHANT DHEPLE	2
PRASHIK TAMBE	3
PRATHAMESH BAGALE	4
PRATHAMESH YETI	5
SAHIL MANDHARE	6
SAHIL UKEY	7
SAKSHI GIRIBUVA	8
SAMIKSHA GUDGUDE	9
SARTHAK BALEL	10
SATYANSHU YADAV	11
SHARDUL V JEURKAR	12
VARSHA HULMANI	13
VIJAY MATHE	14
TAYYAB SALIM SHAIKH	15
VAISHNAVI ANPAT	16
VAISHNAVI DAVARI	17
VAISHNAVI S KANGRAALKAR	18
VARAD PATIL	19
VIKRAM VAIJNATH GAVADE	20
YASH MAYUR GUPTA	21
YASH SHALIGRAM	22
ZELAM MAHALE	23

Third Year Task Allotment

Name	Task No.
GAURAV NEMADE	1
GAYATRI SATISH AURANGABADKAR	2
MALHAR KSHIRSAGAR	3
RESHAM BHATTAD	4
SHASHANK PATIL	5
CHINMAYEE AWALE	6
PARUL INAMDAR	7
ROHAN NITIN BHOLE	8
ZUBEN FIROZ KHAN	9

Format for Study tasks:

- I. Basics
- II. Working Principle
- III. Need
- IV. Features/Characteristics
- V. Usage
- VI. Block Diagram
- VII. Advantages/disadvantages

Second Year

Question No	Question
1	Study of UART communication protocol
2	Study of I2C communication protocol
3	Study of SPI communication protocol
4	Study of Bluetooth communication protocol
5	Study of Wi-Fi communication protocol
6	Study of ATmega 328p architecture
7	Types of memories on Arduino and their purpose
8	Study of operating modes of IC555
9	Study of different types of switches & relays
10	Study of multivibrators and its types
11	Study of different types of encoders (linear, rotary)
12	Absolute Vs Incremental Rotary encoder
13	Study of multiplexer and demultiplexer
14	Study of encoder and decoder
15	LCD Display vs OLED Display
16	Pulse Width Modulation signal and its generation
17	Study of Hall Effect and Hall Sensor
18	Study of DC motors
19	Study of Stepper motors
20	Study of Servo motors

21	Study of BLDC motors
22	Study of induction motor
23	Study of registers and its types
24	Importance of PWM technique for voltage control

Third Year

Question No	Question
1	Study of Boost Convertor
2	Study of Buck Convertor
3	Study of MEMS technology
4	Study of voltage regulators
5	Study of JTAG and SWD
6	Study about MOSFET, IGBT, SCR
7	Applications of mosfets and igt or transistors, SMPS
8	Study of ADC
9	Study of DAC