

## 2012-13 B. TECH STUDENTS PROJECT DETAILS WITH GUIDE

| GROUP NO.    | NAME OF STUDENT    | UNIVERSITY ROLL NO. | PROJECT TITLE  | PROJECT GUIDE / CO-GUIDE |
|--------------|--------------------|---------------------|--|--------------------------|
| Group No. 1  | Nishant Gupta      | 0902921050          | AUTOMATION OF STREET LIGHT   | Prof. Brajesh Kr. Tiwari |
|              | Shubham Aggarwal   | 902921091           |  |                          |
|              | Sameer Chaudhary   | 0902921084          |  |                          |
| Group No.2   | Arnav Gupta        | 902921018           | TO INCREASE THE OUTPUT OF SOLAR PANEL USING DC-DC BOOST CONVERTER                | Prof. Jyoti Srivastava   |
|              | Himanshu Lohani    | 902921031           |  |                          |
|              | Aditi              | 902921004           |  |                          |
| Group No. 3  | Rohit Kumar Rai    | 1002921905          | POWER LOAD ECONOMIZER TO PREVENT OVERLOADING USING PIC MICROCONTROLLER           | Prof. Ameer Faisal       |
|              | Vikas Kumar Gupta  | 902921118           |  |                          |
|              | Ajay Kumar         | 1002921901          |  |                          |
| Group No. 4  | Shubham Tripathi   | 0902921094          | GREEN HOUSE CONTROLLER   | Prof. Shivesh Tripathi   |
|              | Sumit Pal          | 0902921102          |  |                          |
|              | Pulkit Singh       | 0902921059          |  |                          |
| Group No. 5  | Shubham Sinha      | 902921093           | ELECTRICAL HOME APPLIANCES CONTROL USING RF MODULE                               | Prof. Shivesh Tripathi   |
|              | Ankit Srivastava   | 902921011           |  |                          |
|              | Himanshu Kr Singh  | 902921030           |  |                          |
| Group No. 6  | Amit Kumar Singh   | 902921009           | STEPPER MOTOR CONTROLLED AUTONOMOUS PATH TRACER" WITHOUT SENSOR                  | Prof. Rahat Ullaha Khan  |
|              | Deepak Soni        | 902921025           |  |                          |
|              | Sudhanshu Sachan   | 902913103           |  |                          |
| Group No. 7  | Sandhya Singh      | 802921076           | PERFORMANCE ANALYSIS OF CUK CONVERTER FOR SOLAR PANEL                            | Prof. Brajesh Kr. Tiwari |
| Group No. 8  | Palash Agarwal     | 902921055           | RENEWABLE ENERGY PENETRATION IN THE UNION TERRITORY OF LAKSHADWEEP ISLANDS       | Prof. Shariz Ansari      |
|              | Adnan Ahmad        | 902921006           |  |                          |
|              | Abdul Hadi         | 902921001           |  |                          |
| Group No. 9  | Varun Bajpai       | 902921116           | VOLTAGE STABILITY ANALYSIS OF EHV LINES USING SERIES COMPENSATION (USING MATLAB) | Prof. Yaduvir Singh      |
|              | Vijay Kumar Soni   | 902913115           |  |                          |
|              | Tushar Anand       | 902921105           |  |                          |
| Group No. 10 | Manoj Kumar Madhur | 902921040           | UTILIZATION OF ELECTRICAL DISTRIBUTION SYSTEM FOR COMMUNICATION.                 | Prof. Manish Kumr Singh  |
|              | Amit Kumar         | 902921008           |  |                          |
|              | Ankit Gupta        | 902921010           |  |                          |
| Group No. 11 | Vishal Tyagi       | 0902921120          | ADAPTIVE CONTROL OF WHEELCHAIR - "INTELLIGENT WHEELCHAIR"                        | Dr. Neeraj Gupta         |
|              | Utkarsh Patel      | 0902921111          |  |                          |
|              | Shweta Mahajan     | 0902900097          |  |                          |

|              |                     |            |   |                          |
|--------------|---------------------|------------|---|--------------------------|
| Group No. 12 | Ishan Gupta         | 902921032  | CELL PHONE BASED WATER PUMP CONTROLLER  | Prof. Rahat Ullaha Khan  |
|              | Vijay Kr. Yadav     | 1002921906 |   |                          |
|              | Ajit Bhai Patel     | 1002921902 |   |                          |
| Group No. 13 | Punit Kaushik       | 902921070  | CONTROLLING HYBRID ASSISTIVE KNEE USING ATMEGA 16   | Prof. A K Dua            |
|              | Komal Priya         | 902921035  |   |                          |
| Group No. 14 | Ankur Sharma        | 0902921012 | GSM BASED AUTOMATIC ENERGY METER READING SYSTEM   | Prof. Brajesh Kr. Tiwari |
|              | Neeraj Nimesh       | 0902921047 |   |                          |
|              | Divya Mittal        | 1002921903 |   |                          |
|              | Nitanshu Vishnoi    | 0902921051 |   |                          |
| Group No. 15 | Harshit Goel        | 0902921028 | MICROCONTROLLER BASED INVERTER  | Prof. Shivesh Tripathi   |
|              | Prateek Gupta       | 0902921066 |   |                          |
|              | Prakhar Gupta       | 0902921061 |   |                          |
|              | Sneha Nagar         | 0902921098 |   |                          |
| Group No. 16 | Mayank Sharma       | 0902921041 | SPEED CONTROL OF DC MOTOR USING PWM   | Prof. Shivesh Tripathi   |
|              | Prashant Verma      | 0902921064 |   |                          |
|              | Pankaj Kumar        | 0902921057 |   |                          |
| Group No. 17 | Sameer Tiwari       | 0902932044 | AUTOMATIC FAULT DETECTION IN ASSEMBLY LINE PRODUCTION   | Prof. Blandina Miracle   |
|              | Vaibhav Kumar       | 0902921114 |   |                          |
|              | Vaibhav Rai         | 0902921115 |   |                          |
| Group No. 18 | Tanima Bhattacharya | 902921103  | HARDWARE IMPLEMENTATION OF ZVS FLYBACK DC-DC CONVERTER  | Prof. Ashish Thombre     |
|              | Urvashi Meena       | 902921108  |   |                          |
| Group No. 19 | Rajat Agarwal       | 902921074  | MULTI-TRANSPORTATION USING LINEAR INDUCTION MOTOR   | Prof. Ravi Gupta         |
|              | Radhika Mehta       | 902921072  |   |                          |
|              | Somashri Mukherjee  | 902921099  |   |                          |
|              | Punit Batra         | 902921069  |   |                          |
| Group No. 20 | Purnima Saini       | 902921071  | TRANSIENT ANALYSIS OF DFIG BASED WECS   | Prof. S K Tripathi       |
|              | Priyanka Mohor      | 902921068  |   |                          |
| Group No. 21 | Nikhil Goyal        | 0902921049 | DC-DC MULTILEVEL BOOST CONVERTER  | Prof. Ashish Thombre     |
|              | Anuj Dubey          | 0902921013 |   |                          |
|              | Mohit Katiyar       | 0902921044 |   |                          |
| Group No. 22 | Ashish Kumar Singh  | 902921021  | MONITOR AND CONTROL OF GREEN HOUSE ENVIRONMENT  | Prof. Ruchika Singh      |
|              | Lavy Mittal         | 902921036  |   |                          |
|              | Priyam Saxena       | 902921067  |   |                          |
| Group No. 23 | Apoorv Jain         | 902921016  | SPEED CONTROL OF THREE PHASE I.M. USING VARIABLE FREQUENCY CONTROL METHOD                         | Prof. Ravi Gupta         |
|              | Abhishek Singh      | 902921003  |   |                          |
|              | Nitesh Agarwal      | 902921052  |   |                          |
| Group No. 24 | Sangeeta Singh      | 902921086  | COMPENSATION OF LONG TRANSMISSION LINE USING FACTS DEVICES- THYRISTOR CONTROLLED SERIES CAPACITOR | Prof. Manish Kumr Singh  |
|              | Stuti Garg          | 902921100  |   |                          |
|              | Rama Mishra         | 902921075  |   |                          |

|              |                        |            |  |  |
|--------------|------------------------|------------|--|--|
| Group No. 25 | Sameer Goyal           | 902921085  | WIRELESS SPEED CONTROL OF AC FAN   | Prof. Jyoti Srivastava                       |
|              | Rohit Gautam           | 902921080  |  |  |
|              | Utkarsh Vaibhav        | 902921112  |  |  |
| Group No. 26 | Shivank Tyagi          | 902921090  | GROUND FAILURE PROTECTION SYSTEM USING MICRO CONTROLLER  | Prof. Blandina Miracle                       |
|              | Siddharth Krishan      | 902921097  |  |  |
|              | Sumit Garg             | 902921101  |  |  |
|              | Utkarsh Mittal         | 902921110  |  |  |
| Group No. 27 | Arti Singh             | 902921019  | GSM MOBILE CONTROLLED HOME APPLIANCES  | Prof. Ruchika Singh & Prof. Jyoti Srivastava |
| Group No. 28 | Ashish kr. Agarhari    | 902921020  | SOLAR INVERTER WITH VISITOR COUNTER  | Prof. Jyoti Srivastava                       |
|              | Pranshul Gupta         | 902921062  |  |  |
|              | Girish Kr. Maurya      | 902921027  |  |  |
| Group No. 29 | Tushar Kaushik         | 902921106  | ANTI COLLING DEVICE IN RAILWAYS SYSTEM.  | Prof. Brajesh Kr. Tiwari                     |
|              | Parmeshwar N Singh     | 902921058  |  |  |
|              | Nitesh Chauhan         | 902921053  |  |  |
| Group No. 30 | Deep Shikha Srivastava | 902921024  | STUDY OF ENERGY STORAGE DEVICES IN POWER SYSTEM  | Prov. Ravi Gupta                             |
|              | Kavisha Nigam          | 902921034  |  |  |
|              | Saumya Khare           | 902921088  |  |  |
| Group No. 31 | Rahul Shakya           | 902921073  | MICROCONTROLLER BASED PROTECTION RELAY   | Prof. Brajesh Kr. Tiwari                     |
|              | Niraj Kr. Rajput       | 902921046  |  |  |
|              | Sachin Kumar           | 902921081  |  |  |
| Group No. 32 | Vaibhav Gupta          | 902921113  | COMPARISON OF LOAD FLOW ANALYSIS FOR IEEE - 30 BUS SYSTEM BETWEEN GAUSSIDAL, NEWTON RAPUSON AND FAST DECOUPLED METHODS | Prof. Brajesh Kr. Tiwari                     |
|              | Vishal Kushwaha        | 902921119  |  |  |
|              | Abhishek Gautam        | 902921002  |  |  |
| Group No. 33 | Shashwat Singh         | 902921089  | DESIGN & FABRICATION OF CONTROL CIRCUIT FOR 3-PHASE MULTI LEVEL INVERTER   | Prof. Ashish Thombre & Prof. Ravi Gupta      |
|              | Anuj Rastogi           | 902921014  |  |  |
|              | Divye Kartikey         | 902921026  |  |  |
| Group No. 34 | Uday Pratap Singh      | 902921107  | STUDY OF IMACT OF FACTS DERIVE ON POWER PROFILE OF TRANSMISSION SYSTEM.  | Prof. S K Tripathi                           |
|              | Prashant Srivastava    | 1002921904 |  |  |
|              | Satyendra Singh        | 902921087  |  |  |
| Group No. 35 | VEERENDRA Kumar        | 902932058  | AUTOMATIC ENERGY SAVER USING MICROCONTROLLER   | Prof. Ameer Faisal & Prof. Manish Kr. Singh  |
|              | Vikas Yadav            | 0902913116 |  |  |
|              | Siddharth Dixit        | 0902921095 |  |  |
| Group No. 36 | Aditya Singhal         | 0902921005 | DC APPLICATIONS OF SOLAR PANEL WITH SOLAR CHARGE CONTROLLED  | Prof. Jyoti Srivastava                       |
|              | Ashish Kr. Verma       | 0902921022 |  |  |

|              |                       |           |   |   |
|--------------|-----------------------|-----------|---|---|
| Group No. 37 | Megha Gupta           | 902921042 | OPTIMIZATION OF ELD USING PSO TECHNIQUE                                   | Prof. Pradeep Katariya                        |
|              | Kanchan               | 902921033 |   |   |
|              | Nidhi Saini           | 902921048 |   |   |
| Group No.38  | Akash Nag             | 902921007 | ELECTROMAGNETIC ANALYSIS OF ELECTRICAL TRANSFORMER USING FEMM 4.2         | Prof. Pradeep Katariya                        |
| Group No. 39 | Nitya Pandey          | 902921054 | TEMPERATURE CONTROLLED FAN USING AVR                                      | Prof. Masood Rizvi                            |
|              | Manisha Singh         | 902921039 |   |   |
|              | Pooja Singh           | 902921060 |   |   |
| Group No. 40 | Manish Kumar          | 902921038 | EFFECT OF CARRIER FREQUENCY ON PERFORMANCE OF PWM BASED DC - DC CONVERTER | Prof. Pradeep Katariya & Prof. Ashish Thombre |
|              | Prashant Vikram Singh | 902921065 |   |   |
|              | Anurag Bajpai         | 902921015 |   |   |
| Group No. 41 | Sachin Mishra         | 902921082 | REMOTE CONTROLLED SURVEILLANCE VEHICLE                                    | Prof. Ameer Faisal                            |
|              | Salil Kumar           | 902921083 |   |   |
|              | Shubham Singh         | 902921092 |   |   |
| Group No. 42 | Ramesh Kumar          | 902921076 | SINGLE ENDED PRIMARY INDUCTOR CONVERTER ANALYSIS                          | Prof. Brajesh Kr. Tiwari                      |
|              | Vijay Kumar           | 902921117 |   |   |
|              | Ritesh Kumar          | 902921078 |   |   |
| Group No. 43 | Manav Kahal           | 902921037 | GSM BASED IRRIGATION SYSTEM USING MICROCONTROLLER                         | Prof. Shivesh Tripathi                        |
|              | Pankaj Kumar          | 902921056 |   |   |
|              | Himank Sharma         | 902921029 |   |   |
| Group No. 44 | Ravi Yadav            | 902921077 | RADIO STATION (FM TRANSMITTER)  | Prof. Brajesh Kr. Tiwari                      |
|              | Rohit Bansal          | 902921079 |   |   |