

**Department of Telecommunications Engineering**  
**TC-490 Final Year Design Project**  
**Project List**



F/SOP FYDP/02/00

Batch: 2019

Semester: Fall 2022

| S. No. | Project Title  | Student Name                     | Supervisor/Co-Supervisor  | Industrial Advisor  |
|--------|--|----------------------------------|---|---|
| 1      | Implementation of smart farming using digital twin technology                                    | (TC-19004) Hala Khan             | Dr. Sundus Ali<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET                   | Mujtaba Ahmed Qadri<br>Area Sales Manager at<br>Siemens Pakistan<br>Engg.Co.Ltd |
|        |  | (TC-19012) Khadija Irfan         |   |   |
|        |  | (TC-19024) Nimra Khan            |   |   |
|        |  | (TC-19047) Wasla Zainab          |   |   |
| 2      | Smart Vehicle in Fog Environment: Accident Detection, Accident Avoidant and Notification System  | (TC-19009) Maryam Tariq          | Ms. Fizza Gulham<br>Lecturer<br>Department of Telecommunications<br>NEDUET                            |   |
|        |  | (TC-19055) Qura Khalid Afridi    |   |   |
|        |  | (TC-19044) Yousha Nesar          |   |   |
|        |  | (TC-11309) Abdul Sami            |   |   |
| 3      | Improvement in BER of MIMO-OFDM systems through Space Time Codes in selective fading environment | (TC-19059) Ramsha Khurram        | Dr. Uzma Afsheen<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET                 |   |
|        |  | (TC-19066) Muhammad Nehal Saeed  |   |   |
|        |  | (TC-19069) Muhammad Owais        |   |   |
|        |  | (TC-19070) Muhammad Ali          |   |   |
| 4      | On-chip network of a many-core floating-point accelerator  | (TC-19010) Hajra Zehra Gul       | Dr. Muhammad Fahim ul Haque<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET      |   |
|        |  | (TC-19021) Aliza Nasir           |   |   |
|        |  | (TC-19040) Muhammad Sameer       |   |   |
|        |  | (TC-19073) Jahanzaib Sallahuddin |   |   |
| 5      | International Telco Roaming Fraud Prevention using Block chain                                   | (TC-19013) Fiza Seher            | Dr. Asad Arfeen<br>Associate Professor<br>Department of Computer and<br>Information Systems<br>NEDUET | Affan Ahmed Khan<br>VP Engineering at<br>Dappomatics                            |
|        |  | (TC-19029) Muhammad Erbaz Kamran |   |   |
|        |  | (TC-19035) Syed Jon              |   |   |
|        |  | (TC-19049) Aiman Yaqoob          |   |   |
| 6      | Model for the sensor-based monitoring of behavior of dairy cattle.                               | (TC-19041) Sana Khalid           | Dr. Muhammad Fahim ul Haque<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET      |   |
|        |  | (TC-19016) Laiba Tanveer         |   |   |
|        |  | (TC-19002) Naveen Nawab          |   |   |
|        |  | (TC-19005) Yumna Asif            |   |   |

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**TC-490 Telecommunication Engineering Project**  
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| S. No. | Project Title  | Student Name                    | Supervisor/Co-Supervisor   | Industrial Advisor |
|--------|--|---------------------------------|--|--------------------|
| 7      | Sign Language Detection System for Deaf Mute People  | (TC-19045) Wajiha Rashid        | Mr. Syed Muneeb Ahmed<br>Lecturer<br>Department of Telecommunications<br>NEDUET            |                    |
|        |  | (TC-19057) Anum Adil            |  |                    |
|        |  | (TC-19058) Sahar Salman         |  |                    |
|        |  | (TC-19061) Areeba Intezar       |  |                    |
| 8      | Cotton Disease Identification using AI               | (TC-19034) Danish Jawaid        | Dr. Amir Zeb<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET          |                    |
|        |  | (TC-19068) Sibghatullah Mehar   |  |                    |
|        |  | (TC-19037) Mudassir Ahmed       |  |                    |
|        |  | (TC-19051) Adina Fatima         |  |                    |
| 9      | Liver Cancer Detection through Deep learning         | (TC-19019) Omama Ikram          | Dr. Amir Zeb<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET          |                    |
|        |  | (TC-19028) Hanzala Anwar        |  |                    |
|        |  | (TC-19032) Khurram Abbas        |  |                    |
|        |  | (TC-19063) Fahad                |  |                    |
| 10     | Hybrid Nanogrid Cluster Supported Solar Inverter     | (TC-19017) Hafsa Muhammad Aijaz | Dr. Rizwan Aslam Butt<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET |                    |
|        |  | (TC-19022) Umm-e-Habiba         |  |                    |
|        |  | (TC-19048) Iqra Aftab           |  |                    |
|        |  | (TC-19054) Sheeza Shakeel       |  |                    |
| 11     | IoT Enabled Smart Vertical Farming Monitoring System | (TC-19001) Abeera Saleem        | Ms. Saba Ahmed<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET        |                    |
|        |  | (TC-19042) Linta Maqsood        |  |                    |
|        |  | (TC-19052) Ariba Tahir          |  |                    |
|        |  | (TC-19076) Javeria Aslam        |  |                    |
| 12     | Wi-Fi Enabled CNC Wood and Acrylic Cutter            | (TC-19043) Samrah Masood        | Dr. Rizwan Aslam Butt<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET |                    |
|        |  | (TC-19050) Wajeaha Imran        |  |                    |
|        |  | (TC-19053) Maham Asif           |  |                    |
|        |  | (TC-19056) Areeba Raza          |  |                    |
| 13     | MQTT based IoT Broker and Client for Smart Cage      | (TC-19014) Aqsa Nadeem          | Dr. Hira Mariam<br>Assistant Professor<br>Department of Telecommunications<br>NEDUET       |                    |
|        |  | (TC-19015) Kaiynat Alam         |  |                    |
|        |  | (TC-19020) Adeena Mukhtar Ahmed |  |                    |
|        |  |                                 |  |                    |