**Quality of completed projects/working prototypes:**

**Best projects awardees:**

**Best three Projects 2021-22 batch:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SI No** | **Title of the project** | **Guided** | **Name of the student** |
| **1** | Development of Novel Biometric Security System for Use During Covid-19 | Dr. Neelanjana Baruah | Dimbo Pegu  Leezdeep Dutta Chinmoy Hazarika  Bithika Mahanta  Manthan Chettri |
| **2** | Mechanical Ventilator | Mrs Monisha Pathak | Arindam Hazarika  Jnanashree Talukdar  Anjelika Kalita  Pritam Kumar Singh  Deepjyoti Gogoi |

**Best three Projects (2020-21) batch:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SI No** | **Title of the project** | **Guided** | **Name of the student** |
| **1** | Detection of Lung Cancer Using Machine Learning Algorithms | Dr.Ujjwal Manikya Nath | Isha Rani Das Biswajeet Roy  Madhurjya Bora |
| **2** | Image-based face detection and recognition using Matlab | Mr Arabindra Saikia | Anannya Saikia  Pabitra Saikia  Hirok Jyoti Gogoi  Neeraj Saikia |

|  |  |  |  |
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| **Mini projects (5th Semester) (2018-22)** | | | |
| **SI No** | **Title of the Mini Project** | **Category** | **Name of the student** |
| 1 | RaspberryPi based plant watering system | Best in Hardware Category | Arindam Hazarika |
| 2 | Suduko Solver | Best in Software Category | Manthan Chetry |
| 3 | Road Safety System | Best in Cost Efficient Category | Dimbo Pegu |

**Best three Projects (2017-18)**

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| --- | --- | --- | --- |
| **SI No** | **Title of the project** | **Guided** | **Name of the student** |
| 1 | Wireless SCADA using Adruino for measuring parameters like level, flow etc. | Mr. A. Saikia | 1.Prajnanabh Neog (02)  2.Udipta Das (25)  3.Tridip jyoti Borah (27) |
| 2 | Gas leakage detector using Adruino and GSM module with SMS alert. | Dr. N. Baruah | 1.Satadal Sen (24)  2.Pankaj Das (32/15)  3.Shoubhan Jyoti Phukan (33/15) |
| 3 | Monitoring and control of methane gas and temperature in coal mines using fuzzy control action | Mrs. M. Pathak | 1.Syed Javed Niaz (01/14)  2.Dipjyoti Deka (02/14)  3.Bishal Sengyung (29) |

**Best three Projects (2016-17)**

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| --- | --- | --- | --- |
| **SI No** | **Title of the project** | **Guided** | **Name of the student** |
| 1 | Dual Axis Automatic Solar Panel Tracker | Mr. A. Saikia | 1. Arundhoti Bezbaruah,  2. Saurav Dey,  3. Rajesh Saha,  4. Deboleena Borah |
| 2 | Eye Ball Movement Controlled Wheel Chair | Mr. T Baruah | 1. Pradyut Gupta,  2. Jyotishman Das,  3. Bhargavi Boruah |
| 3 | Liquid Level Control of Coupled Tank Using PID Control Using Matlab | Mrs. M. Pathak | 1.Abhilash Bhattacharya, 2.Rituraj Boruah,  3.Debojit Sharma,  4.Satyajit Doley |

**Best three Projects (2015-16)**

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| --- | --- | --- | --- |
| **SI No.** | **Title of the project** | **Guide** | **Name of the student** |
| 1 | Automatic Wireless Railway Gate Control System | Mr. T Baruah | 1. Manash Pratim Hazarika,  2. Angshum Pratim Das,  3. Krishna Sharma |
| 2 | Industrial Security System Based on GSM Technology along with Safety Automation | Mrs. M Pathak | 1. Bhisal Barman,  2. Prachuryya Subash Das |
| 3 | Robotic Manipulator Control | Mrs. M Pathak | 1. Pallov Jyoti Sarma,  2. Niyanta Choudhury |

**Best three Projects (2014-15)**

|  |  |  |  |
| --- | --- | --- | --- |
| **SI No.** | **Title of the project** | **Guide** | **Students** |
| 1 | RF Based Automated Green House System | Dr. N. Baruah | 1. P. Patar,  2. K. Goswami,  3. D P Sarma |
| 2 | Wireless Water Level Monitoring with Portable Monitor | Dr. N. Baruah | 1. Bhaskar Thausen,  2. Shantanu Gogoi,  3. Kaustuv Gogoi |
| 3 | (a) Robotic Arm Simulation  (b) Optimization of a Non-Linear Equation using Genetic Algorithms | Dr. M. Buragohain | 1. Shraddha Jalan |