**List of approved FYDP projects 20 F batch**

Dated: 02/11/2023

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| **Sr. No** | **Topic** | **Supervisor** | **Students** | **SDGs** |
| 1 | Design and implementation of a transceiver for underwater Optical Wireless Communication | Engr. Faisal Khan | 20-TE-01  20-TE-09  20-TE-24  20-TE-60 | 9 industry innovation and infra  14 life below water |
| 2 | Near Future Health Prediction with Health Monitoring System | Engr. Aziza Fazal | 20-TE-04  20-TE-33  20-TE-29  20-TE-57 | 3 good health and well being.  11 sustainable cities and communities |
| 3 | WiFi based human activity recognition system | Engr. Imran khan | 20-TE-21  20-TE-55  20-TE-12  20-TE-13 | 9 industry innovation and infra  11 sustainable cities and communities |
| 4 | IoT based WSN System to detect Forest Fire | Engr. Saima Khadim | 20-TE-54  20-TE-58  20-TE-53  20-TE-56 | 11 sustainable cities and communities  13 Climate action  15 Life on land |
| 5 | Development of a frequency based device for repelling insects | Dr. Ayesha Amir | 20-TE-43  20-TE-06  20-TE-52  20-TE-51 | 2 zero hunger  3 Good health and well being 15Life on land |
| 6 | DUET helper bot | Engr. Imran Alvi | 20-TE-05  20-TE-03  20-TE-18  20-TE-27  20-TE-07 | 4 quality education  9 industry innovation and infra |
| 7 | Data Security through Video Steganography | Engr. Kashif Saleem | 20-TE-14  20-TE-22  20-TE-19 | 9 industry innovation and infra |

**Groups that have applied for Ignite funding this year**

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| Design and implementation of a transceiver for underwater Optical Wireless Communication | 20-TE-01  20-TE-09  20-TE-24  20-TE-60 | Engr. Faisal Khan |
| Near Future Health Prediction with Health Monitoring System | 20-TE-04  20-TE-33  20-TE-29  20-TE-57 | Engr. Aziza Fazal |
| IoT based WSN System to detect Forest Fire | 20-TE-54  20-TE-58  20-TE-53  20-TE-56 | Engr. Saima Khadim |
| Development of a frequency based device for repelling insects | 20-TE-43  20-TE-06  20-TE-52  20-TE-51 | Dr. Ayesha Amir |