

STUDENTS PROJECT

The department conducted student projects under the Star College Scheme for 6th Semester Students of 2019-20. The following project works were carried out by the students.

| SI. No. | Project Guide | List of Students | Title of Projects |
|---------|-------------------------|---|--|
| 1 | Dr. Shivraj Gurung | 1. Joseph Lalngaihawma Roll No.: 1701BS179 2. Lalduhawma Roll No.: 1701BS182 | To study refractive index change in air under different pressures and determination of refractive index of air using Michelson interferometer. |
| 2 | Dr. Shivraj Gurung | 1. Laltlankima Roll No.: 1701BS186 2. B. Vanlalmangaihchhungi Roll No.: 1701BS194 | To determine wavelength of laser beam and refractive index of a transparent material using Michelson interferometer. |
| 3 | Dr. Lalhriatzuala | 1. Vansangkimi Roll No.: 1701BS195 2. Lalhumba Roll No.: 1701BS183 | To measure numerical aperture of multi-mode fibre and to determine refractive index of a transparent solids using diode laser and detector output measurement. |
| 4 | Dr. Lalhriatzuala | 1. Ramherliana Roll No.: 1701BS192 2. Lalrosanga Roll No.: 1701BS185 3. Lalruatsanga Roll No.: 1701BS201 | To measure bending loss in multi-mode fibre. |
| 5 | Dr. Y. Rangeela Devi | 1. Chanchal Kumari Roll No.: 1701BS187 2. C. Remsangpuii Roll No.: 1701BS207 | To measure V-I and P-I characteristics of Laser Diode and LED. |
| 6 | Dr. Y. Rangeela Devi | 1. H. Lalchhandami Roll No.: 1701BS188 2. Malsawmdawngi Roll No.: 1701BS189 | To study V-I and response characteristics of photo diode. |
| 7 | Dr. Lalrinthara Pachuau | 1. Lalvenkimi Boitlung Roll No.: 1701BS208 2. H. Lalrinfela Roll No.: 1701BS198 | Investigation of auditorium acoustics using decibel meter and reverberation software. |
| 8 | Dr. Lalrinthara Pachuau | 1. C. Lallianzela Roll No.: 1701BS177 2. Sougaijam Thasana Chanu Roll No.: 1701BS209 | Investigation of mobile tower radiation level and its health effect. |
| 9 | Dr. N. S. Singh | 1. Vanlalhriatrengi Roll No.: 1701BS190 2. Laldinthara Roll No.: 1701BS181 3. Alan Hmangaihsanga Roll No.: 1701BS175 4. Vanlalruata Chhangte Roll No.: 1701BS193 | To study basic principles of solar cell and to characterize solar cell. |

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| 10 | Dr. Lalmuanpuia Vanchhawng | 1. Vanlalchamia Roll No.: 1701BS210 2. Vanlalnunpuia Roll No.: 1701BS184 | Mapping of radiation density in selected locations across Aizawl city. |
| 11 | Dr. Lalmuanpuia Vanchhawng | 1. P.C. Lalrammawia Roll No.: 1701BS202 2. David Lalramchhana Roll No.: 1701BS178 | Mapping of air quality pattern within Aizawl. |
| 12 | Dr. Dibya Prakash Rai | 1. David Paul Thanga Roll No.: 1701BS068 2. Angela Lallawmzuali Roll No.: 1701BS206 3. R. Lalhuanawma Roll No.: 1701BS203 4. C. Lalnunhluzuala Roll No.: 1701BS197 | Calculation of electronic band structure of crystalline silicon. |



6th semester Student's Project 2020

Venue: Departmental Laboratory, Lat:23°43'3712"N, Long:92°43'298"E, Time: 1 pm

(Dr. Lalhriatzuala)
Dept Coordinator
Star College Scheme

(Dr. Shivraj Gurung)
Head
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