**SAINIK SCHOOL GOPALGANJ**

**SUB-BIOLOGY (044)**

**CLASS - XI**

**INVESTIGATORY PROJECTS LIST (2021-22)**

Select a topic and make an investigatory projects in following given topic. Each cadet has to make one project compulsory. The project must contain following parameters. These parameters may be applicable in the projects; it may change project to project.

* Cover Page
* Acknowledgement
* Contents
  + - Introduction
    - What is…….?
    - Types of ……..
    - Causes of ……..
    - Effects of ……..
    - History of ……..
    - Diagnosis of ……..
    - Treatment of ………
    - Scenario of …………
    - Conclusion
    - Bibliography

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| **INVESTIGATORY PROJECTS TOPICS** |
| **1.**  Study of effect of manures and fertilizers on plant |
| **2.**  To study competition between weeds and crops. |
| **3.** Study of effect of antibiotics on micro-organisms. |
| **4**. To study deficiency symptoms of various essential elements and minerals. |
| **5.**  Study of photosynthesis in oceans |
| **6.**  Study of the effect of gibberellins on seed germination and shoot elongation. |
| **7**. Study of cell division |
| **8.**  To study of dispersal of seeds by various agencies. |
| **9.** Comparative study of various class of algae on the basis of chlorophyll |
| **10.** To Study the adaptability of cockroaches To drastic environmental changes such as (1) Absence of plant and animal food  (2) Cold condition  (3) High concentration of carbon dioxide . |
| **11.** Study of heart diseases |
| **12**. Study of locomotion and role of different fins in fishes. |
| **13**. Study of natural defense mechanism of human |
| **14**. Study of deficiency disease |
| **15.**Study of cancer in human |