



G. VENKATASWAMY NAIDU COLLEGE

(Autonomous & Reaccredited with 'A' grade by NAAC)

KOVILPATTI – 628 502. TAMIL NADU.



सत्यमेव जयते

DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology
Government of India

PROGRESS REPORT: 2020-2021 & 2021-2022

Impact of Star College Scheme

- State-of-the-art infrastructure and lab facilities with Better practical demonstrations.
- Opportunities generated for students for attending the lectures-delivered by the renowned Scientists/ Professors.
- Exposure to experimental-design and execution of projects to develop scientific aptitude in students.
- Faculty Knowledge Enhancement through workshops/ Seminars etc.,
- Increased inter-departmental and inter-disciplinary activities.



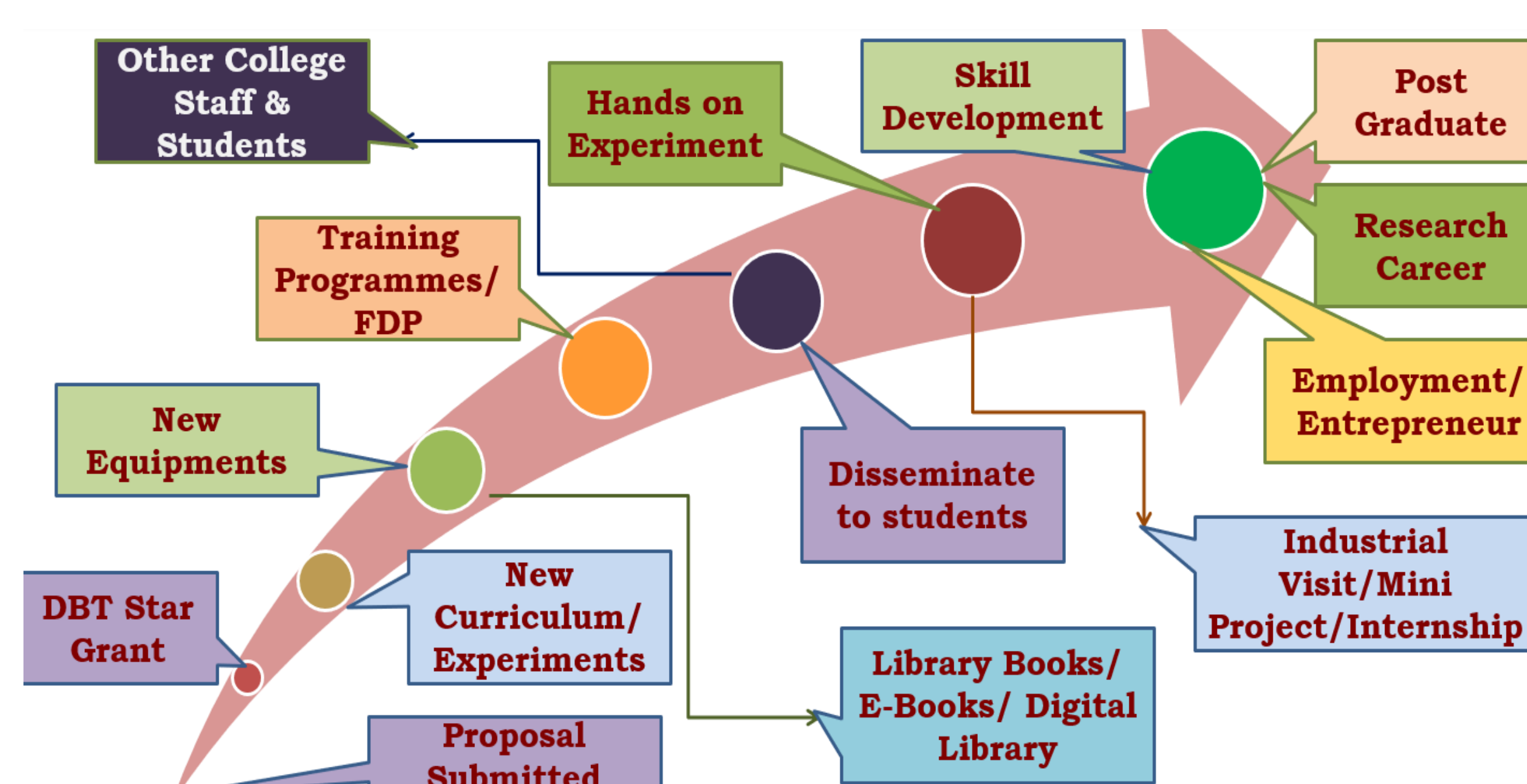
Student related activities

- Curriculum change to ensure more hands-on laboratory work – 35.
- Students Webinar/Seminar – 43.
- Students training through Internship/Training Programme – 11.
- Projects involving students - .
- Quiz Competitions - 2.
- Preparation of SOP – 15.
- Initiation of Departmental Library.
- Outreach programmes.
- Extension services to School students.

Highlights of Star College Scheme

- Increased student input at UG Program.
- Escalating hands-on trainings through workshops/Practicals.
- Improved student-instrument ratio enabling students to learn better.
- Books purchased under DBT Grant helped to establish Departmental Library.

Our Road Map



Field Trip/Industrial Visit



Glimpses of Seminars/Workshop



Infrastructure Created



GVN College



www.gvncollege.org



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Faculty related Activities



Palaya Appaner, Tamil Nadu, India
G Venkataswamy Naidu College (Autonomous),
Newappaner, Tamil Nadu 628502, India
01/10/21 10:08 AM



- FDP in collaboration with IQAC.
- Training in curriculum upgradation.
- Awareness on Intellectual Property Rights.
- Stress Management.

Students Projects - Products Developed



Hand Sanitizer
Dispenser



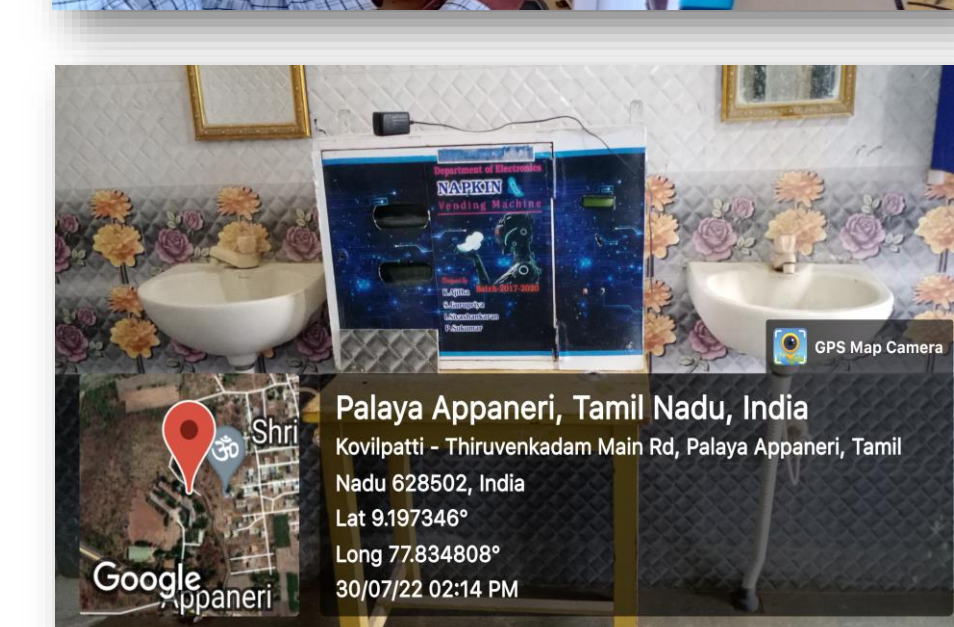
Digital Temperature
and Humidity
Display



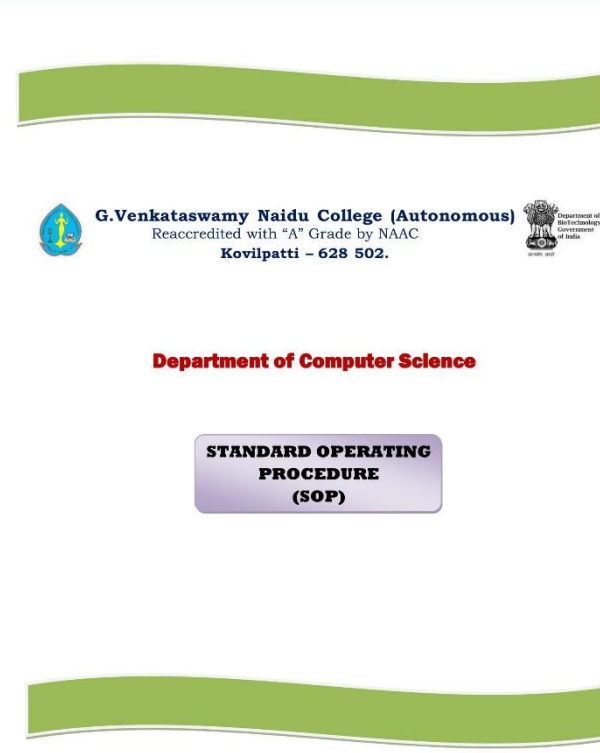
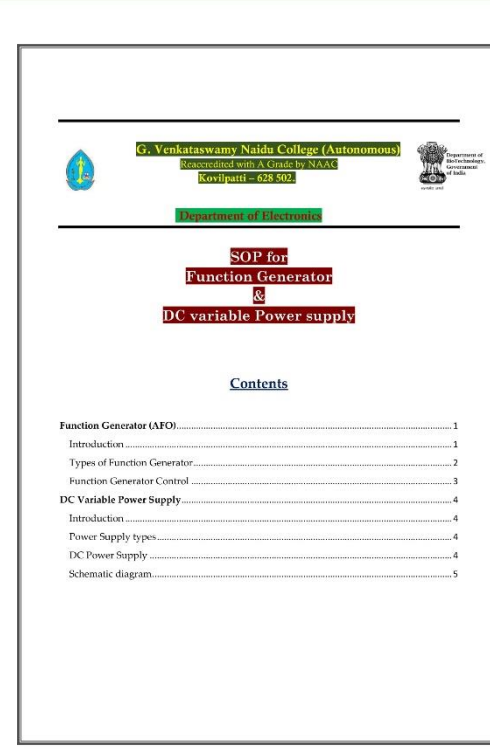
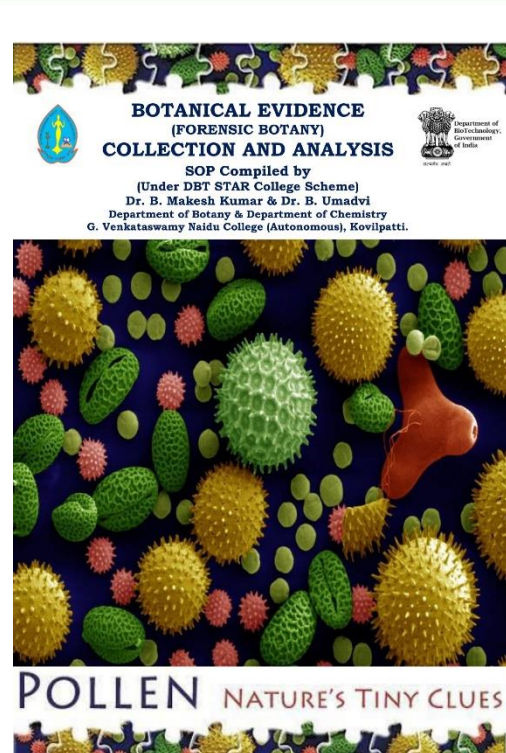
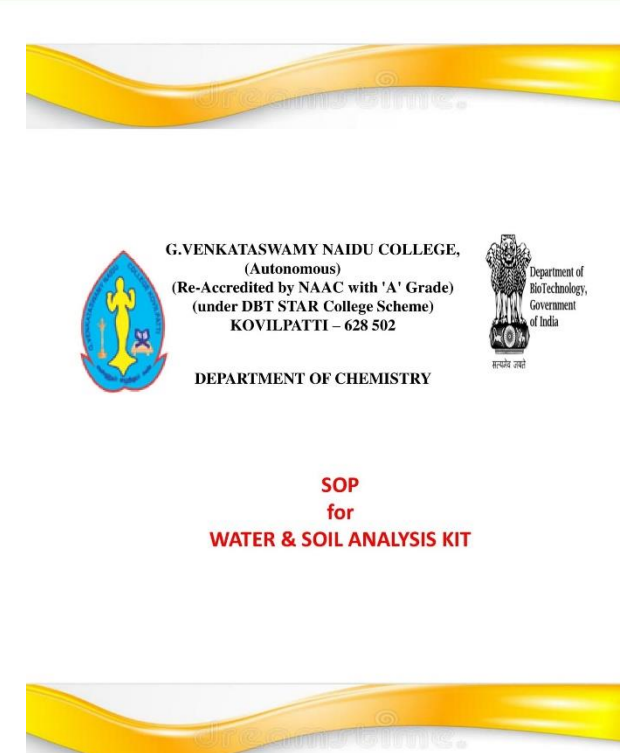
IOT based
Hydroponics



Sanitary Napkin
Vending Machine



SOP Prepared



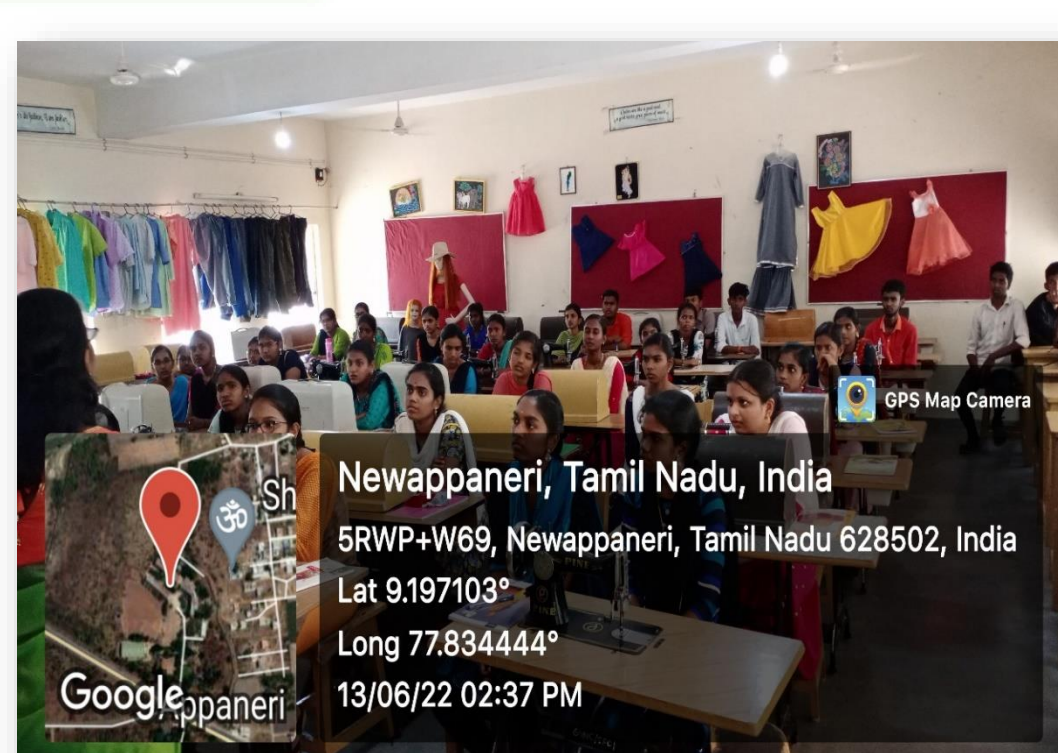
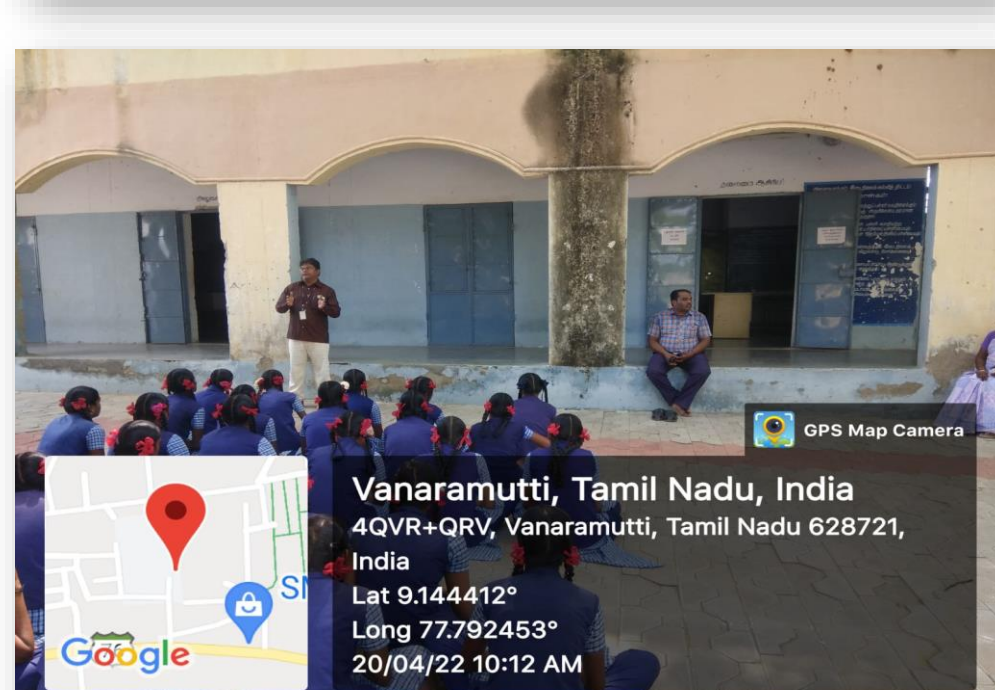
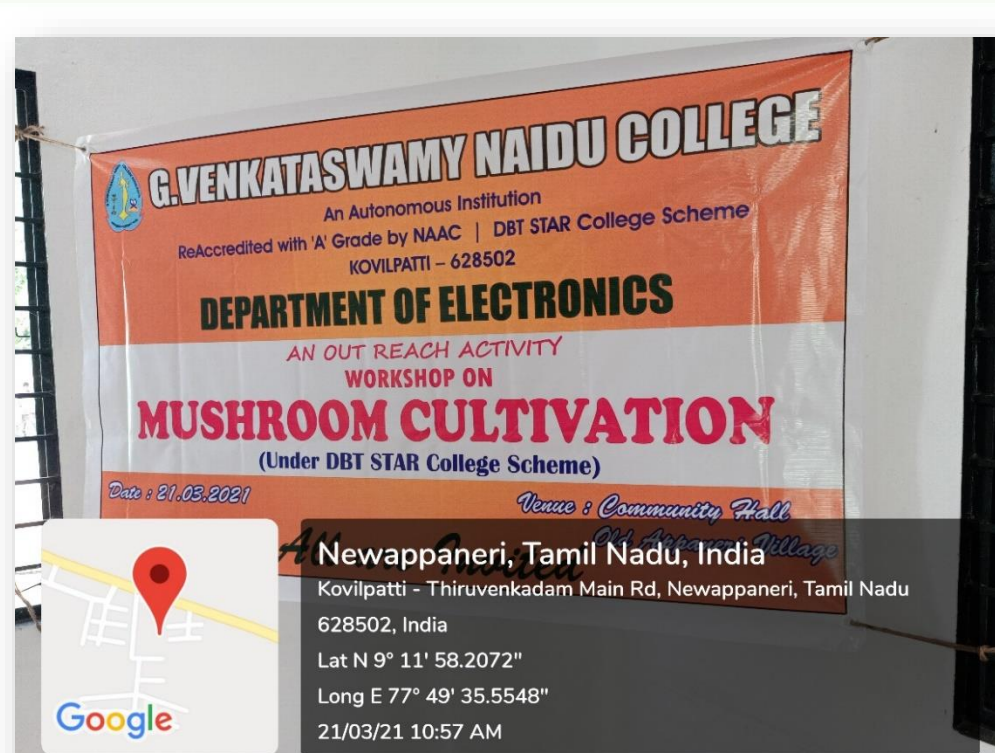
Publications and Grants Received

- Total Number of Publications – 54 (By staff)
- Total Number of Minor Projects - 42
- TNSCST funded projects entitled
 1. Development of novel Bio-face mask using plant molecules with special reference to 2019-nCoV (Botany + Chemistry + Zoology)
 2. Raspberry Pi-based IOT system for Hydroponics (CS + Botany).

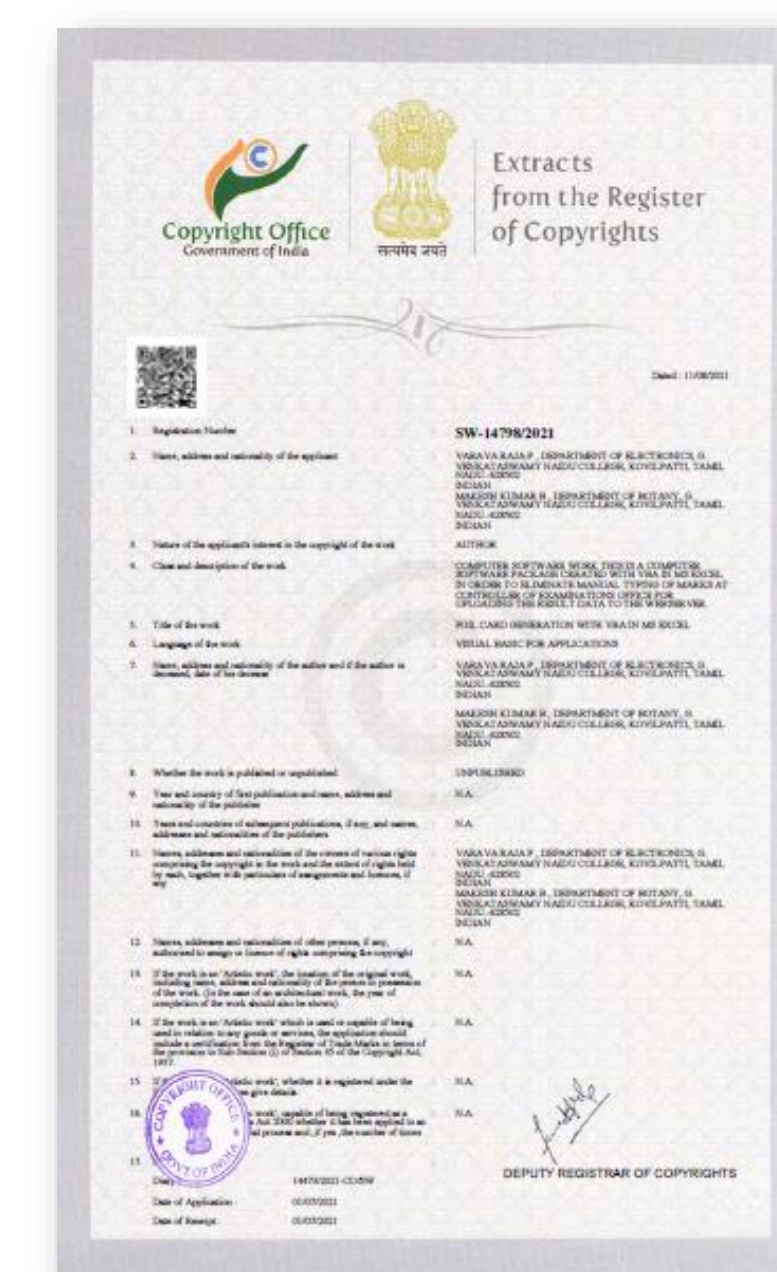
Training for Non-Teaching Staff

- Training in Lab safety procedures, firefighting, disaster management.
- Training of laboratory staff in using balances, pH meter, colorimeter, potentiometer.
- Proper handling and storage of chemicals, preparation of standard solutions.
- Yoga and meditation and stress management.

Outreach Activities



Copyrights received



Acknowledgement

Our sincere thanks to the DBT for providing financial assistance and giving us an opportunity to strengthen the basic sciences at undergraduate level. We are thankful to the Scientists and Advisory Committee members Dr. Garima Gupta and Dr. Abhishek Kumar Mehta for their continuous support.