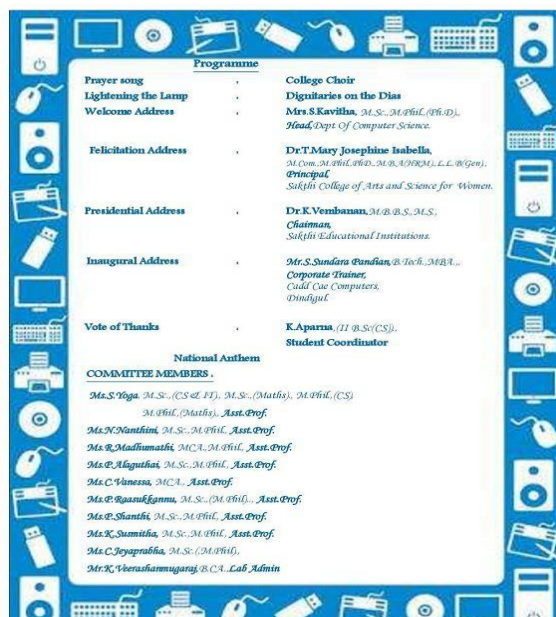
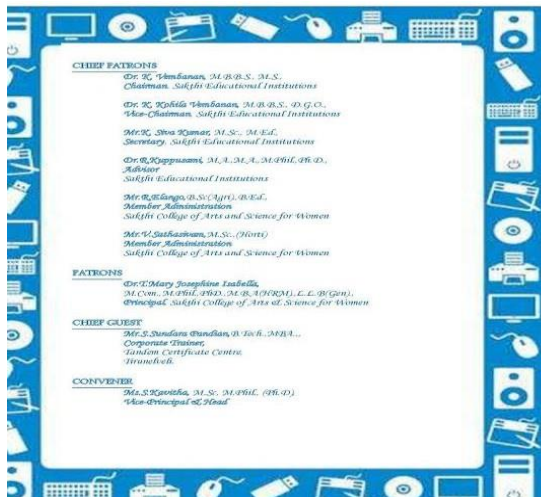


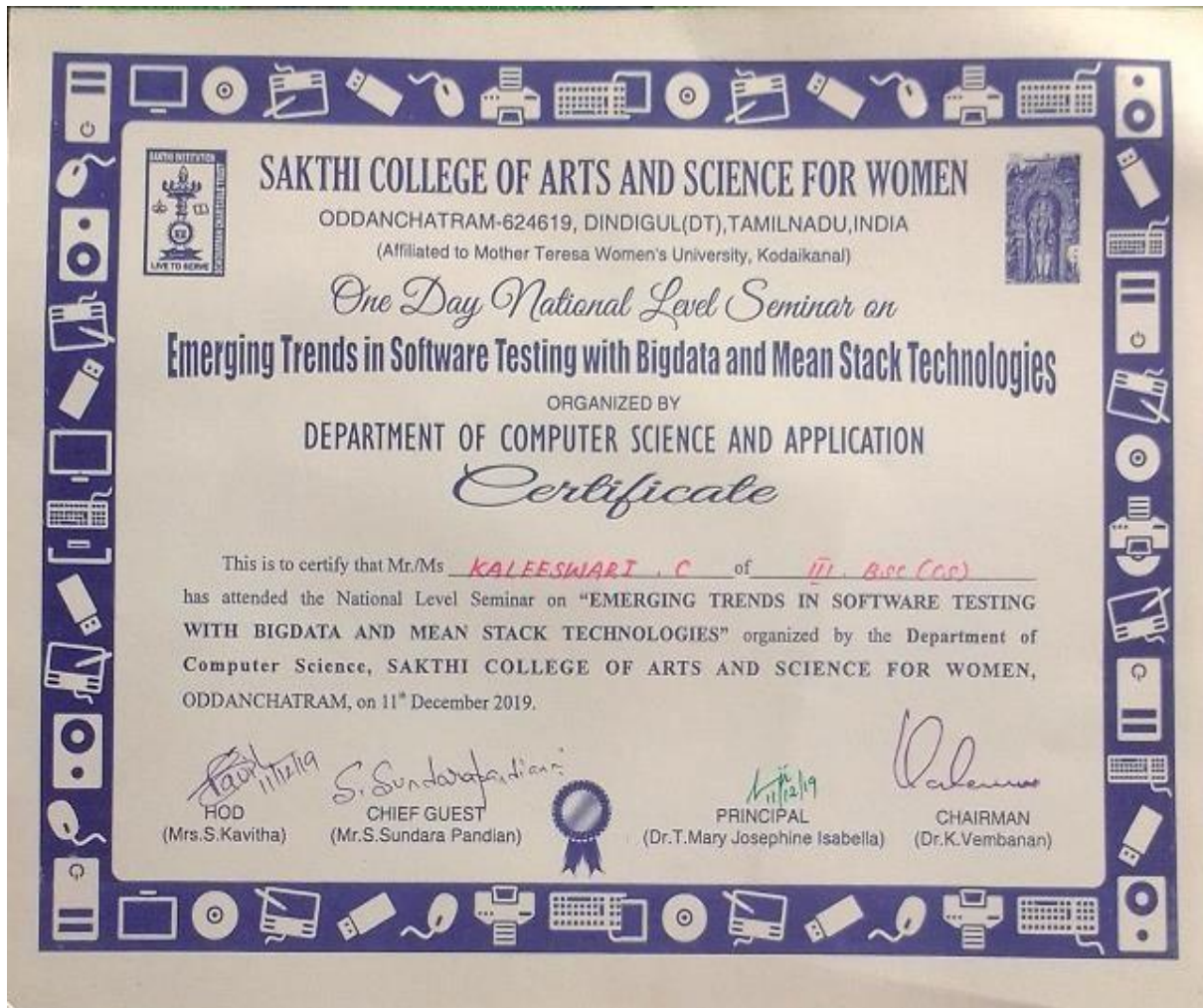
3.2.2. Seminars & Workshops / 2019 – 2020

Title of the Programme	Organizing Unit	Date	No. of Participants
National Level Seminar on “Emerging Trends in Software Testing with Big Data and Mean Stack Technologies”	PG & Research Department of Computer Science	11.12.2019	225

Report:

The PG & Research Department of Computer Science conducted a one-day National Level Seminar on “Emerging Trends in Software Testing with Big Data and Mean Stack Technologies” on 11.12.2019. Mr.S.Sundara Pandian, Corporate Trainer, Tandem Certificate Center, Tirunelveli spoke on the way to create websites with new age technologies. It will help students to know about the most wanted domains which will help them to get jobs in software industry - MEAN IS MONGDODB, EXPRESS JS, ANGULAR JS, NODE JS etc.





Title of the Programme	Organizing Unit	Date	No. of Participants
State Level Seminar on “Recent Challenges in Li-Ion Batteries”	PG & Research Department of Physics	04.01.2020	100

Report:

The PG & Research Department of Physics conducted a one-day State Level Seminar on “Recent Challenges in Li-Ion Batteries” on 04.01.2020 to provide the learners of science and engineering an overview of emerging enabling technologies that will accelerate the pace of discovery in Li-Ion batteries, studies on materials as well as synthesis of novel materials. Dr. R. Premila, Assistant Professor & Head, Department of Physics, A.P.A. College of Arts and Culture, Palani delivered the Keynote Address. The paper presenters focussed on ‘Nanomaterials and its Applications, Renewable Energy, Astrophysics etc.



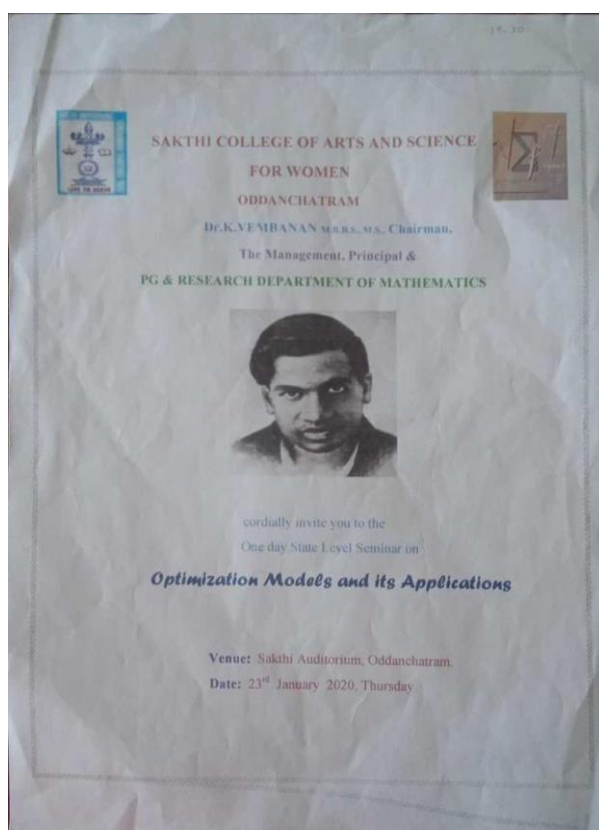


S.No.	Title of the Programme	Organizing Unit	Date	No. of Participants
15	State Level Seminar on “Optimization Models and its Applications”	PG & Research Department of Mathematics	23.01.2020	187

Report:

In an optimization model, the goal can be to minimize the cost in a production system ((i.e.) oil refinery) where the resources are labour, raw materials, etc, and the production targets must be achieved. In a hospital the goal can be to minimize the wait time for patients in the emergency room before they are seen by a doctor where the resources are the doctors, the nurses, the rooms, the equipment, etc. In making, the goal can be to maximize the profit obtained by targeting the right customers under budget and operational conditions. In a Humanitarian operation, the goal would be to reach as many affected people as quickly as possible to distribute resource water, food, and medical services by designing optimal routes. The linear programming (LP) goal is to “maximize the farm’s to all contribution margin” subject to such constraints as market defined sales limits, market requirements, characteristics of the production cycle duration, technical requirements, bulb inventory and greenhouse limitations.

To realize the concepts related with it, the PG & Research Department of Mathematics conducted a one-day State Level Seminar on “Optimization Models and its Applications” on 23.01.2020. Dr.T.Ramachandran Head, Department of Mathematics, M.V.M. Govt. Arts College for Women, Dindigul elaborated the topic.



S.No.	Title of the Programme	Organizing Unit	Date	No. of Participants
16	State Level Seminar on “Emerging Trends in Chemistry 2020”	PG & Research Department of Chemistry	03.03.2020	225

Report:

In Pharmaceutical science, poor solubility and a low dissolution rate in an aqueous environment can limit the usefulness of an active pharmaceutical ingredient. Although co-crystals have been widely studied, the definition of a co-crystal varies from study to study. The United States Food and Drug Administration states that pharmaceutical co-crystals are “crystalline materials composed” of two more molecules. The actual preparation of co-crystals can be carried out by a number of different methods such as solution based methods including evaporation, cooling, anti-solvent, slurry crystallization and also by X-ray diffraction methods.

The PG & Research Department of Chemistry conducted a one-day State Level Seminar on “Emerging Trends in Chemistry 2020” on 03.03.2020. Dr. Madhukar Hemamalini, Assistant Professor, Department of Chemistry, Mother Teresa Women’s University, Kodaikanal detailed on the theme “Investigation of Pharmaceutical co-crystals with x-ray crystallography techniques”.

