Innovation Cell Report 2018-19

St. Mary's College Innovative Cell is infusing intricate thinking in the minds of students and faculties and polarizing thoughts into the process and thereby into a product. Using the facilities of laboratories, library, internet and research facilities available in the institution, innovative ideas are translated into reality or existing could be improved upon. In this academic year we established Innovation-cum Incubation Center and motivated the faculties for e-learning and uploaded 100 plus presentation and teaching notes over the internet. As a part of innovation MCAR, Research Division of College developed three products that is feasible for soil after flood. SMCNPK18, MECSMC11, GEMS14 are the three products developed and distributed in various flood affected villages for promoting and retaining soil fertility. The first product was SMCNPK18 it is a bacterial consortium that directly dissolve in the soil as NPK, Nitrogen Phosphorous and Potassium which is the essential content in the soil. MECSMC11 is the second product which is a compost enriched with essential bacteria that are capable of solubilizing microbial nutrients and maintain the nutrient balance in the soil. It helps to maintain the water stress in the plants. And GEMS14 is a microbial solution which can enhance the overall growth and productivity of the plants by colonizing the rhizosphere. It also promotes flowering and high yield.   College is also promoting incubation centers and started a Marian Agri Nursery in collaboration with department of Botany to conserve biodiversity by establishing biodiversity park in neighboring schools and Anganavadis. High yield and high varieties of vegetable seedlings from Kerala Agricultural University are available in the nursery. The cell also aims to commercialize the output for the betterment of the country.

The following is a list of activities that the Centre conducted during the last academic year:

- Igniting Youth Innovation.

- Collaboration with industry and other stakeholders

- Training and mentoring

- Creation of Knowledge sharing mechanism with the innovative members

- Entrepreneurship promotion

The following is proof of activities that the Centre conducted during the last academic year:

❖ **<u>E-Learning</u>**

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B.Voc

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