Title of the project: Innovative Pedagogical Designs to Augment Entrepreneurial Competency and Employability

Objectives of visit:

i. To strengthen human resource capabilities by exposing to the reputed international agriculture and allied institute.

ii. Enhancing entrepreneurial and competency skills in the minds of the faculty for ensuring the self-employability to students in the horticulture sector.

iii. To get to know latent pedagogical system of education operating in the other country which are feasible to our education system for the benefit of the faculty and students.

iv. To participate in training for understanding better collaborative research programs in international institute.

Achievement/outcome of the training:

1. This training programme helpful in enriching skill and knowledge in the field of Horticulture and allied sectors.

2. This training programme will be helpful in development of collaborative research projects in the area of different horticultural production management aspects.

3. Knowledge concomitantly transferred to a larger number of stake holders like farmers, entrepreneurs, industries etc for sustainable farm production and quality output.

4. The creation, processing and transmission of digital information using ever-evolving technologies in transforming and enhancing all industries, including agriculture.

5. Training programme allows to gain academic credits from learning or experience to implement New Education Policy in our university.
6. Post harvest management and value addition in crops like potatoes, sugar beet, peas and fava beans.

Experience/Skill/Lesson learned:

1. Horticulture commodities are perishable in nature, packing system to reduce the post harvest loss by using the modern post harvest technologies.
2. Use of horticulture commodities in coloring the textile industries. Cotton is one of the most important fiber and cash crop of Finland and plays a dominant role in the industrial and agricultural economy of the country. It provides the basic raw material to cotton textile industry.
3. Recycling of the plastic material plastic recycling is the processing of plastic waste into other products. Recycling can reduce dependence on landfill, conserve resources and protect the environment from plastic pollution.
4. Waste utilization in horticulture crops such as the peels, seeds, and other constituents of vegetables and fruits that contain high amount of phytochemical compounds and essential nutrients are used to produce different industrial products.

Benefits for UHS, Bagalkot:

Strengthening human resource capabilities at university level by exposing students and faculty to the reputed national and international agriculture and allied institutes in the form of trainings and collaborative research programes.

This training programme has helped for smooth conduct of the education system at college level for the four year professional under graduation degree programme in horticulture know about latent pedagogical system of education operating in the foreign country and from

that very important key points of the new education system which are feasible to our education system can be implemented for enhancing entrepreneurial and competency skills in the minds of the faculty and students for ensuring the self employability to students in the horticulture sector and allied sector.

New pedagogical education existing in Tempere university, Finland may be replicated to our faculties and graduates for enhancing the entrepreneurial and competency skills which is very much essential in the present era. Student of Horticulture can be guided with new entrepreneurial and competency skills for undertaking horticulture based ventures.

Future plans with respect to students, faculty and institution

For students basic core components must be identified for specific study, many of which will provide a training in mental agility and cognitive analysis rather than specific horticultural knowledge. The student is then able to undertake electives, which cover special interest areas and which by virtue of flexible entry, may be taken at different points in individual careers. This training programme helps in shape the content of horticultural course with industry. Horticultural graduates must have a high level of ability in the acquisition, interpretation and application of knowledge. Skills are required, which convey manual dexterity for practical sciences such as pedology, crop protection and tissue culture.

Multidisciplinary research can be conducted across the horticultural science. More specifically, to strength lies in research in the fields of health by using different horticulture crops, post harvest technology, value addition. research include promoting the health and welfare of people at all ages, developing safe living and working environments that are resource efficient and ensuring socially responsible digitalization and work transformation.