Department of Food Science, Nutrition and Technology

Catering and Cookery Laboratory:

This lab has been established with the main purpose to impart training to the UG and PG students in preparation and standardization of food recipes by using different techniques. There are three work stations equipped with cooking gas stoves. The lab is well furnished with cooking utensils and cutlery, microwave, refrigerator, cooking range, display cool chamber and gas/electric fryer etc.

Food Quality Research Laboratory:

Food Quality Research Laboratory is used to evolve suitable techniques for preservation of food. The faculty, postgraduate students and researchers avail the facilities for physico-chemical, nutritional analysis of food and food products, product development and evaluation studies. The important equipments in the laboratory are Electronic balance, Spectrophotometers, Centrifuge, Flame photometer, Electrophoresis, Refrigerated Centrifuge, HPLC with accessories, Water Bath, Extractors, Water Purification System, Furnaces, Distillation Units, Hot Air Oven, Deep freezers, Stirrers, Micro pipettes and pH meters.

Postgraduate Research Laboratory:

Laboratory is equipped with instruments like Muffle furnace, Soxhlet apparatus, Protein estimating unit, Ovens, Fibre tech, Spectrophotometer, Freezer centrifuge, Electric Weighing Balance, Centrifuges, Extractors, Water Purification System, Furnaces, Hot Air Oven, Micro pipettes, pH meters and Distillation Units.

Analytical-cum-Microbiology Laboratory:

Equipments available in the laboratory include Electronic balance, Colortech, Auto Analyzer with accessories, Laminar flow, Auto-control Water Bath, Colony Counter, Incubators, Microscopes, Automatic Titration with auto Sample and Water activity meter. Other important equipments in the laboratory are Spectrophotometer, Soxtron Apparatus (Automatic), Micro
pipettes, Fibre-tech, pH meters and Kjel plus (automatic digestion and distillation unit for protein estimation).

**Food Processing Pilot Plant-cum-Community Training Centre:**

The facility created is used by undergraduate and postgraduate students for In-Plant training and research activities in the discipline for product development and evaluation. Equipments/instruments available in this laboratory include Hydraulic press, Juicer, Pulper, Driers, Automatic filling machine, Exhausting tanks, Canning line equipments (Reformer, Flanger, Can Seamer, Exhaust Box, Retort), Autoclaves, Grinding Mills, Homogenizer, Deep freezer, Filling machine, Steam kettles and Vacuum filling machines.

**Bakery and Confectionery Unit:**

A complete bakery and confectionery unit has been developed keeping in view the advance training needs in different areas of bakery and confectionery. The important equipments/instruments in the unit are Mixers, Beater, Moulder, Proofing chambers, Baking Ovens, Slicer, Milling machines and Extruder.

**Department of Family Resource Management**

**Ergonomics Laboratory:**

This laboratory includes equipments and tools viz. Tread mill, Goniometers, Heart rate monitor, Sound level meter, Weighing balance, Anthropometric kit to be used by the post graduate students and researchers for research work.
Art Enrichment cum Housing Laboratory:
Creative works are carried out by undergraduate students like table setting, furniture arrangement, house plans and designs etc. in this laboratory.

Equipments Laboratory:

Laboratory has equipment like washing machine, utensils of different metals, gas range, serving equipments etc. for prakticals of undergraduate courses.

Dafodils

The “Daffodil” Food and Beverage Service cum Production lab is developed to provide practical hands on training on production and service to the students. The lab is fully equipped with various equipments used for production and service of different types of foods and beverages along with various serving methods like formal (different types of table settings and manners) and informal services.

Department of Home Science Extension & Communication Management

Training Laboratory:

Training laboratory is used to train the students for imparting trainings to the trainees. This laboratory is equipped with Gas Stove, Cooking area, Microwave oven, OTG, Food processor, Water filter/ Dispenser etc.

A V Aids / Print Media Laboratory:

The laboratory has computers with good configuration loaded with various softwares like Corel draw, Photo shop to design various visual aids and good quality printers to print the Visual aids developed by the students, Computer Accessorised Podium and a Plotter for printing the posters of different dimensions.
Instructional Media Production Unit:

The unit established under Experiential Learning project funded by ICAR, is equipped with latest configuration cameras and other equipments required for audio and video recording. The studio with acoustic treated walls contains a dressing room, recording room, Production Control Room (PCR) and a store room. The unit is equipped with Digital Video Switcher, SDI- HDMI converter, Video Deck, LCD, Digital Audio Mixer, Studio Speaker. Computers are with good configuration loaded with softwares like V-prompter and final cut pro. This unit is used to give exposure to the Undergraduate students for video recordings, audio recording, conducting interviews and facing the cameras.

Department of Textiles and Apparel Designing

Apparel Designing Laboratory:

Apparel Designing Laboratory is a place where students, who are budding designers, conceptualize and create designs. The equipment in the lab include: Dress Forms, Industrial Sewing Machines, Cutting Table/work area, Fabric Inspection Machine, Steam Press System with Vacuum and Display area.

Textile Testing and Computer Aided Designing Laboratory:

Quality control and process control assume great importance in any production activity. Textile Testing Laboratory of the department has modern instruments for testing various types of yarns and fabrics. The laboratory also houses Advanced
Textiles and Apparel Designing Softwares for making the students globally competitive and industry ready. Students gain the knowledge of design and draft on these softwares. Computer-aided design (CAD) systems enable designers to view objects under a wide variety of representations and to test these objects by simulating real-world conditions. Recent software of designing, editing, pattern making and marker, textile designing along with digitizer and plotter as per need of the industry are available.

**Stitching Laboratory:**

In the stitching Laboratory, the students are introduced to the skills required for converting fabrics into a sewn garment. The equipment in the lab include: Hand operated sewing machines, Treadle sewing machines, Ironing board, Steam Iron, Table for pattern making, Counters for cutting and Try room etc to impart hands-on experience to students in techniques of sewing for producing attractive garments with good fit.

**Dyeing, Printing and Weaving Laboratory:**

Dyeing in textiles is a process in which colour is transferred to a finished textile substrate of textile material (like fibers and yarns). Dyeing and printing is known to be an ancient technique of enhancing the look of a fabric as dyeing and printing is considered a beautiful art of surface ornamentation.

Weaving Laboratory is a place where students learn the craft of weaving. Weaving is the most popular way of fabric manufacturing. It is primarily done by interlacing two sets (warp and weft) of yarns in a regular and recurring pattern. Actual weaving process is preceded by yarn preparation processes namely winding, warping, sizing, drawing and denting. Finally the fabric is manufactured by students on handloom.
Apparel Production Unit-Experiential Learning:

The department of Textiles and Apparel Designing has established Apparel Production unit for Experiential Learning and Hands on Training for Undergraduate students. The broad objective is to provide interactive learning experience in apparel production, to promote employment opportunities and entrepreneurial abilities through integration of basic knowledge and experiential learning. The experiential learning unit has been designed and developed with prime focus to provide industrial working environment to the elective students. The Production Unit is equipped with a number of technologically advanced industrial machines such as Flat Lock, Bar tacking, Fusing Machine, Button Attaching, Picoting, Computerized Embroidery Machines etc.

Department of Human Development

Psychological Testing Laboratory:

Psychological Testing Laboratory provides students with an opportunity to administer the tests /scales and draw the inferences. It includes scales related to child’s socio-emotional development, well-being, mental health, self-esteem, language development, home environment inventories, scales related to marital and family relationships, psychological well being of aged, various intelligence scales etc. The scales/tools are used for conducting research and studies on women and children.

Lab Nursery School:

Lab Nursery School for the children in the age group of 2 years ±6 serves as an ideal model to rural private schools in the surrounding areas. All the domains of growth and development like physical, motor, social, emotional, aesthetic and language are taken into consideration while planning daily schedule of activities. This helps in the overall development of child’s personality that lays the sound foundation for their later life. In addition to this UG students also participate in the development of daily projects for these children and observe them in their natural and laboratory settings during their course work.
Beside other laboratories, an ‘Anganwadi Training Centre’ (AWTC) was sanctioned by Government of India to train anganwadi workers of different parts of the state of Himachal Pradesh in November 2011 which is still in operation. A total of 3566 anganwadi workers have been trained till date belonging to Kangra, Chamba, Bilaspur, Una, Mandi and Hamirpur districts of the state.

**Anganwadi Training Centre**

The Anganwadi Training centre was sanctioned by the Government of India to train Anganwadi workers from different parts of the State of Himachal Pradesh. The Anganwadi Training centre is being run in the department of Human Development, College of Home Science, CSKHPKV, Palampur since November 2011. Till now 53 Job trainings and 72 Refresher courses have been conducted. A total of 4111 Anganwadi workers have been trained till date. The centre has qualified Instructors who are post graduates and Alumni of the College of Home Science. The lectures are being delivered by the experts from various disciplines in addition to the lectures by the instructors. The trainees are given practical training experience at Laboratory Nursery School of the department. In addition field trips are being organized for the trainees. The trainees are also benefitted from the academic and scenic surroundings of the University.

**Lab Nursery School**

The department is running a Lab Nursery School for children in the age group 3 years ± 6 months. The total strength of children in the school at present shall be 15. The school is being run since 1988 and serves as a model to rural Anganwadis and private schools running in the surrounding areas. Pre-school education is vital aspect of Child’s learning and development. It helps to expand the range of children’s learning experience. Importance of preschool lies in the fact that students become more confident, enthusiastic and eager learners in life. It can give much needed edge which is required so that your child can succeed. It provides various opportunities for promoting motivation and imagination among children. It helps the children to communicate in a better fashion. Hence pre-school education plays a significant role
in our lives by benefiting them in many ways so that the students get the sound foundation for their later life. Its main objectives include:

Providing for the child’s well being.
Developing good health habits in children.
Satisfying the educational needs.
Promoting educational growth of children

Cultivation of Positive Emotions
Stimulating Aesthetic Appreciation

**Centralized Facilities**

**Examination hall**

There is one examination hall in the College with the seating capacity of about 160 students. The lecture theatres are also used for the purpose if there is a need on any particular day. Power back-up is available in the examination hall to avoid any inconvenience to the students at the time of power cut. There is a provision of Close Circuit Cameras in the examination hall to keep a strict vigil on the students at the time of examinations. Confidential room with all the facilities like computer, internet, photocopier and storage cabinets is available to the external examination coordinator for smooth conduct of examinations.

The students of College of Home Science participate regularly in various sports and co-curricular activities and have excelled in the same.

**Computer Room and Library:**

College has established a Library and computer room with eleven systems with internet facility on two systems which is being used by the UG and PG students. Power back-up is also available in the computer room to avoid any inconvenience to the students at the time of power cut.