FOOD PRODUCTION (VEGETARIAN)

COMPETENCY BASED CURRICULUM

(Duration: 2 Yrs.)

APPRENTICESHIP TRAINING SCHEME (ATS)

NSQF LEVEL-5



SECTOR – FOOD PROCESSING AND PRESERVATION



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING





FOOD PRODUCTION (VEGETARIAN)

(Revised in 2018)

APPRENTICESHIP TRAINING SCHEME (ATS)

Skiffindia कौशल भारत-कुशल भारत

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

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कौशल भारत - कुशल भारत

1.1 Apprenticeship Training Scheme under Apprentice Act 1961

The Apprentices Act, 1961 was enacted with the objective of regulating the programme of training of apprentices in the industry by utilizing the facilities available therein for imparting on-the-job training. The Act makes it obligatory for employers in specified industries to engage apprentices in designated trades to impart Apprenticeship Training on the job in industry to school leavers and person having National Trade Certificate(ITI pass-outs) issued by National Council for Vocational Training (NCVT) to develop skilled manpower for the industry. There are four categories of apprentices namely; trade apprentice, graduate, technician and technician (vocational) apprentices.

Qualifications and period of apprenticeship training of **trade apprentices** vary from trade to trade. The apprenticeship training for trade apprentices consists of basic training followed by practical training. At the end of the training, the apprentices are required to appear in a trade test conducted by NCVT and those successful in the trade tests are awarded the National Apprenticeship Certificate.

The period of apprenticeship training for graduate (engineers), technician (diploma holders and technician (vocational) apprentices is one year. Certificates are awarded on completion of training by the Department of Education, Ministry of Human Resource Development.

1.2 Changes in Industrial Scenario

Recently we have seen huge changes in the Indian industry. The Indian Industry registered an impressive growth during the last decade and half. The number of industries in India have increased manifold in the last fifteen years especially in services and manufacturing sectors. It has been realized that India would become a prosperous and a modern state by raising skill levels, including by engaging a larger proportion of apprentices, will be critical to success; as will stronger collaboration between industry and the trainees to ensure the supply of skilled workforce and drive development through employment. Various initiatives to build up an adequate infrastructure for rapid industrialization and improve the industrial scenario in India have been taken.

1.3 Reformation

The Apprentices Act, 1961 has been amended and brought into effect from 22nd December, 2014 to make it more responsive to industry and youth. Key amendments are as given below:

- Prescription of number of apprentices to be engaged at establishment level instead of trade-wise.
- Establishment can also engage apprentices in optional trades which are not designated, with the discretion of entry level qualification and syllabus.
- Scope has been extended also to non-engineering occupations.
- Establishments have been permitted to outsource basic training in an institute of their choice.
- The burden of compliance on industry has been reduced significantly.



2.1 GENERAL

Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers range of vocational training courses catering to the need of different sectors of economy/ Labour market. The vocational training programmes are delivered under aegis of National Council of Vocational Training (NCVT). Craftsman Training Scheme (CTS) and Apprenticeship Training Scheme (ATS) are two pioneer programmes of NCVT for propagating vocational training.

Food Production (Vegetarian) trade under ATS is one of the most popular courses delivered nationwide through different industries. The course is of two years (02 Blocks) duration. It mainly consists of Domain area and Core area. In the Domain area Trade Theory & Practical impart professional - skills and knowledge, while Core area - and Employability Skills imparts requisite core skills & knowledge and life skills. After passing out the training programme, the trainee is being awarded National Apprenticeship Certificate (NAC) by NCVT having worldwide recognition.

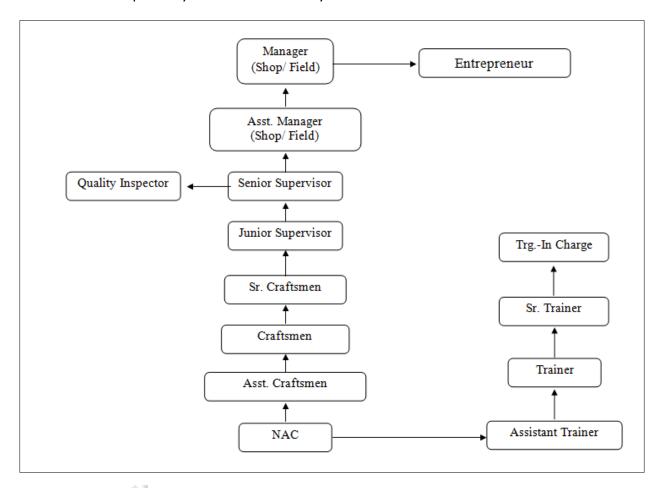
Broadly candidates need to demonstrate that they are able to:

 Read & interpret technical parameters/document, plan and organize work processes, identify necessary materials and Kitchen tools;

- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
- Apply professional skill, knowledge, core skills & employability skills while performing jobs and solve problem during execution.
- Identify and select of raw material, Pre processing of raw material, Select method of cooking as per required, prepare products as per Food safety standards.
- Document the technical parameters related to the task undertaken.

2.2 CAREER PROGRESSION PATHWAYS:

• Indicative pathways for vertical mobility.



2.3 COURSE STRUCTURE:

Table below depicts the distribution of training hours across various course elements during a period of two years (*Basic Training and On-Job Training*): -

Total training duration details: -

| Time | 1-3 | 4-12 | 13-24 |
|---------------------|----------|-----------|------------|
| (in months) | | | |
| Basic Training | Block- I | | |
| Practical Training | | Block – I | Block – II |
| (On - job training) | | | |

2.4 ASSESSMENT & CERTIFICATION:

The trainee will be tested for his skill, knowledge and attitude during the period of course and at the end of the training programme as notified by Govt of India from time to time. The Employability skills will be tested in first two semesters only.

- a) The **Internal assessment** during the period of training will be done by **Formative assessment method** by testing for assessment criteria listed against learning outcomes. The training institute have to maintain individual *trainee portfolio* as detailed in assessment guideline. The marks of internal assessment will be as per the template (Annexure II).
- b) The final assessment will be in the form of summative assessment method. The All India Trade Test for awarding NAC will be conducted by NCVT on completion of course as per guideline of Govt of India. The pattern and marking structure is being notified by govt of India from time to time. The learning outcome and assessment criteria will be basis for setting question papers for final assessment. The examiner during final examination will also check individual trainee's profile as detailed in assessment guideline before giving marks for practical examination.

2.4.1 PASS REGULATION

The minimum pass percent for Practical is 60% & minimum pass percent for Theory subjects 40%. The candidate pass in each subject conducted under all India trade test.

2.4.2 ASSESSMENT GUIDELINE

Appropriate arrangements should be made to ensure that there will be no artificial barriers to assessment. The nature of special needs should be taken into account while undertaking assessment. Due consideration should be given while assessing for team work, avoidance/reduction of scrap/wastage and disposal of scarp/wastage as per procedure, behavioral attitude, sensitivity to environment and regularity in training. The sensitivity towards OSHE and self-learning attitude are to be considered while assessing competency.

Assessment will be evidence based comprising the following:

- Job carried out in labs/workshop
- Record book/ daily diary
- Answer sheet of assessment
- Viva-voce
- Progress chart
- Attendance and punctuality

- Assignment
- Project work

Evidences of internal assessments are to be preserved until forthcoming semester examination for audit and verification by examination body. The following marking pattern to be adopted while assessing:

| Performance Level | Evidence |
|--|--|
| (a) Weightage in the range of 60 -75% to | be allotted during assessment |
| For performance in this grade, the candidate with occasional guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment of an acceptable standard of craftsmanship. | Demonstration of good skill in the use of hand tools, machine tools and workshop equipment Below 70% tolerance dimension/accuracy achieved while undertaking different work with those demanded by the component/job/set standards. A fairly good level of neatness and consistency in the finish Occasional support in completing the project/job. |
| (b) Weightage in the range of above75% | - 90% to be allotted during assessment |
| For this grade, the candidate, with little guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment of a reasonable standard of craftsmanship. | Good skill levels in the use of hand tools, machine tools and workshop equipment 70-80% tolerance dimension/accuracy achieved while undertaking different work with those demanded by the component/job/set standards. A good level of neatness and consistency in the finish Little support in completing the project/job |
| (c) Weightage in the range of above 90% | to be allotted during assessment |
| For performance in this grade, the candidate, with minimal or no support in organization and execution and with due regard for safety procedures and practices, has produced work which demonstrates attainment of a high standard of craftsmanship. | High skill levels in the use of hand tools, machine tools and workshop equipment Above 80% tolerance dimension/accuracy achieved while undertaking different work with those demanded by the component/job/set standards. A high level of neatness and consistency in the finish. Minimal or no support in completing the project. |

Brief description of Job roles:

After completion of the Apprenticeship Training in Food Production (Vegetarian) the trainees will be able to do/perform

- Identifying & selecting raw material
- Usage of kitchen related equipment
- Safely handling food (minimize, damage / loss) while processing
- Pre-prep of raw material for cooking
- Skilled with all cooking methods
- Food presentation & serving at the right temperatures
- Knowledge of nutrition & food allergies
- Basic usage of computers / tablets
- Basic planning & utilization of resources (Raw material, time, manpower)
- Knowledge & application of HACCP / ISO requirements Personality / Employability Knowledge & Skills
- Appropriate Personal Hygiene & Grooming practices
- Punctuality & Respect towards others' time
- Good interpersonal skills and respect all work colleagues (personal conduct)
- Good housekeeping of work area
- Safety practices while handling tools & machinery
- Basic verbal & written communication skills
- Practice basic arithmetic including basic commercial mathematics
- Wastage practice Reuse, Recycle and Safe Disposal
- Optimum utilization and conservations of natural resources (water, heat, electricity, fuel)
- Knowledge & Demonstrate basic first aid (in case of emergency)
- Knowledge & Demonstrate basic fire safety (use of extinguishers)

Reference: NCO2015: -5120.0200 Cook Institutional

NSQF level for FOOD PRODUCTION (VEGETARIAN) trade under ATS: Level 5

As per notification issued by Govt. of India dated- 27.12.2013 on National Skill Qualification Framework total 10 (Ten) Levels are defined.

Each level of the NSQF is associated with a set of descriptors made up of five outcome statements, which describe in general terms, the minimum knowledge, skills and attributes that a learner needs to acquire in order to be certified for that level.

Each level of the NSQF is described by a statement of learning outcomes in five domains, known as level descriptors. These five domains are:

- a. Process
- b. Professional knowledge,
- c. Professional skill,
- d. Core skill and
- e. Responsibility.

The Broad Learning outcome of FOOD PRODUCTION (VEGETARIAN) trade under ATS mostly matches with the Level descriptor at Level- 5.

The NSQF level-5 descriptor is given below:

| Level | Process Required | Professional Knowledge | Professional Skill | Core Skill | Responsibility |
|---------|--|---|---|--|--|
| Level 5 | requires well developed skill, with clear choice of procedures | Knowledge of facts, principles, processes and general concepts, in a field of work or study | A range of cognitive and practical skills required to accomplish tasks and solve problem by selecting and applying basic methods, tools, materials and information. | Desired mathematical skill, understanding of social, political and some skill of collecting and organizing information, communication. | Responsibility for own work and Learning and some responsibility for other's works and learning. |

5. GENERAL INFORMATION

| Name of the Trade | FOOD PRODUCTION (VEGETARIAN) |
|-----------------------------------|--|
| NCO - 2015 | 5120.0200 |
| NSQF Level | Level – 5 |
| Duration of Apprenticeship | |
| Training | Two wages (02 Blacks and of any wages direction) |
| (Basic Training + On-Job | Two years (02 Blocks each of one year duration). |
| Training) | |
| Duration of Basic Training | a) Block –I : 3 months |
| | b) Block – II: 3 months |
| | Total duration of Basic Training: 6 months |
| Duration of On-Job Training | a) Block–I: 9 months |
| _ | b) Block-II: 9 months |
| | Total duration of Practical Training: 18 months |
| Entry Qualification | Passed 10 th Class with Science and Mathematics under |
| • | 10+2 system of Education or its equivalent |
| Selection of Apprenticeship | The apprentices will be selected as per Apprenticeship Act |
| | amended time to time. |
| Instructors Qualification for | As per ITI instructors qualifications as amended time to |
| Basic Training | time for the specific trade. |
| Infrastructure for basic training | As per related trade of ITI. |
| Examination | The internal examination/ assessment will be held on |
| | completion of each block. |
| | Final examination for all subjects will be held at the end of |
| | course and same will be conducted by NCVT. |
| Rebate to Ex-ITI Trainees | 01 year |
| CTS trades eligible for FOOD | 1. FOOD PRODUCTION (GENERAL) |
| PRODUCTION (VEGETARIAN) | 2. FOOD PRODUCTION (VEGETARIAN) |
| Apprenticeship | 49 |

Note:

- Industry may impart training as per above time schedule for different block, however this is not fixed. The industry may adjust the duration of training considering the fact that all the components under the syllabus must be covered. However the flexibility should be given keeping in view that no safety aspects is compromised.
- For imparting Basic Training the industry to tie-up with ITIs having such specific trade and affiliated to NCVT.

6.1 GENERIC LEARNING OUTCOME

The following are minimum broad Common Occupational Skills/ Generic Learning Outcome after completion of the Food Production (Vegetarian) course of 02 years duration under ATS.

Block I & II:-

- 1. Recognize & comply safe working practices, environment regulation and housekeeping.
- 2. Understand and explain different mathematical calculation & science in the field of study including basic electrical. [Different mathematical calculation & science -Work, Power & Energy, Algebra, percentage, units, Mass, weight ,density]
- 3. Explain the concept in productivity, quality tools, and labour welfare legislation and apply such in day to day work to improve productivity & quality.
- 4. Explain energy conservation, global warming and pollution and contribute in day to day work by optimally using available resources.
- 5. Explain personnel finance, entrepreneurship and manage/organize related task in day to day work for personal & societal growth.
- 6. Plan and organize the work related to the occupation.

6.2 SPECIFIC LEARNING OUTCOME

Block - I

- 1. Knowledge of utensils & equipments and chemical and sanitizing agents used for kitchen tools and equipments.
- 2. Knowledge of spices and herbs
- 3. Perform cooking methods with specific utensils and explain effect of heat on foods.
- 4. Prepare chutney and dips by using appropriate machines and kitchen tools.
- 5. Prepare Indian breads and Tandoor dishes.
- 6. Prepare basic Indian gravies such as Tomato, Onion, Cashew and Yoghurt.
- 7. Prepare dishes with veg. gravy.
- 8. Prepare rice, pulaos, Veg biryanis and daals by using kitchen tools
- 9. Prepare Indian sweet dishes such as Burfee, Balushahi, Halwas, Gulabjamun, jalabi, Gujias, phirnee and Rasgulla.
- 10. Prepare different types of regional foods.

Block - II

- 11. Prepare and explain stocks, soups and sauces by using kitchen tools.
- 12. Prepare hor d' oeuvres, canapés and sandwiches.
- 13. Prepare and cook vegetables for European cuisine.
- 14. Prepare farinaceous products as spaghetti & macroni.
- 15. Prepare different types of Regional foods.
- 16. Prepare and cook rice, beans & pulses, pasta and pasta sauces.
- 17. Prepare bakery and confectionery products such as breakfast breads, waffles & pancakes, cookies and basic calligraphy for cake decoration.
- 18. Prepare snacks, pickles, preserve, chutney, sauces and raitha.
- 19. Explain food safety standards and food adulteration.

(Optional – Place of European Cuisine)

- 1. Knowledge of Utensils & equipments and chemical and cleaning agents used for kitchen tools and equipments.
- 2. Prepare dim-sums by using appropriate machines and tools.
- 3. Perform cooking methods with specific utensils and explain effect of heat on foods.
- 4. Prepare rice and noodles by using appropriate machines and tools.
- 5. Perform the uses of sauces, spices and condiments for finished dishes in Chinese cuisine.

Note: Learning outcomes are reflection of total competencies of a trainee and assessment will be carried out as per assessment criteria.



7. LEARNING OUTCOME WITH ASSESSMENT CRITERIA

| GE | NERIC LEARNING OUTCOME |
|---|---|
| LEARNING OUTCOMES | ASSESSMENT CRITERIA |
| Recognize & comply safe working practices, environment regulation and | 1. 1. Follow and maintain procedures to achieve a safe working environment in line with occupational health and safety regulations and requirements. |
| housekeeping. | 1. 2. Recognize and report all unsafe situations according to site policy. |
| | 1. 3. Identify and take necessary precautions on fire and safety hazards and report according to site policy and procedures. |
| | 1. 4. Identify, handle and store / dispose off dangerous/unsalvageable goods and substances according to site policy and procedures following safety regulations and requirements. |
| | 1. 5. Identify and observe site policies and procedures in regard to illness or accident. |
| | 1. 6. Identify safety alarms accurately. |
| | 1. 7. Report supervisor/ Competent of authority in the event of accident or sickness of any staff and record accident details correctly according to site accident/injury procedures. |
| Sk | 1. 8. Identify and observe site evacuation procedures according to site policy. |
| | 1. 9. Identify Personal Productive Equipment (PPE) and use the same as per related working environment. |
| कोशल | 1. 10. Identify basic first aid and use them under different circumstances. |
| | 1. 11. Identify different fire extinguisher and use the same as per requirement. |
| | 1. 12. Identify environmental pollution & contribute to avoidance of same. |
| | 1. 13. Take opportunities to use energy and materials in an environmentally friendly manner |
| | 1. 14. Avoid waste and dispose waste as per procedure |
| | 1. 15. Recognize different components of 5S and apply the same in the working environment. |
| | |
| 2. Understand, explain different mathematical | 2.1 Explain concept of basic science related to the field |
| different mathematical | such as work, energy and power, heat & temperature. |

| calculation & science in the field of study including basic electrical and apply in day to day work. [Different mathematical calculation & science -Work, Power & Energy, Algebra, | 2.2 Calculate mathematical calculation such percentage, unit system, decimal, fractions and algebra 2.3 Explain concept of material sciences such mass, density and weight. |
|--|--|
| Mass, weight & density] | |
| | |
| 3. Explain the concept in productivity, quality tools, | 3.1 Explain the concept of productivity and quality tools and apply during execution of job. |
| and labour welfare legislation and apply such in day to day work to improve productivity | 3.2 Understand the basic concept of labour welfare legislation and adhere to responsibilities and remain sensitive towards such laws. |
| & quality. | 3.3 Knows benefits guaranteed under various acts |
| | |
| 4. Explain energy conservation, global warming and pollution and contribute in day to day work by | 4.1 Explain the concept of energy conservation, global warming, pollution and utilize the available recourses optimally & remain sensitive to avoid environment pollution. |
| optimally using available resources. | 4.2 Dispose waste following standard procedure. |
| | |
| 5. Explain personnel finance, | 5.1 Explain personnel finance and entrepreneurship. |
| entrepreneurship and manage/organize related task in day to day work for personal & societal growth. | 5.2 Explain role of Various Schemes and Institutes for self- employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non financing support agencies to familiarizes with the Policies /Programmes & procedure & the available scheme. |
| | 5.3 Prepare Project report to become an entrepreneur for submission to financial institutions. |
| | |
| 6. Plan and organize the work related to the occupation. | 6.1 Use documents, drawings and recognize hazards in the work site. |
| | 6.2 Plan workplace/ assembly location with due consideration to operational stipulation |
| | 6.3 Communicate effectively with others and plan project tasks |
| | 6.4 Assign roles and responsibilities of the co-trainees for execution of the task effectively and monitor the same. |

SPECIFIC OUTCOME

Block-I & II

Assessment Criteria i.e. the standard of performance, for each specific learning outcome mentioned under **block** – **I**& **block** – **II**(section: 10) must ensure that the trainee achieves well developed skill with clear choice of procedure in familiar context. Assessment criteria should broadly cover the aspect of **Planning** (Identify, ascertain, estimate etc.); **Execution** (perform, illustration, demonstration etc. by applying 1) a range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information 2) Knowledge of facts, principles, processes, and general concepts, in a field of work or study 3)Desired Mathematical Skills and some skill of collecting and organizing information, communication) and **Checking/ Testing** to ensure functionality during the assessment of each outcome. The assessments parameters must also ascertain that the candidate is responsible for own work and learning and some responsibility for other's work and learning.



BASIC TRAINING (Block – I) Duration: (03) Three Months

| Week | Professional Skills | Professional Knowledge |
|------|--|--|
| No. | | |
| | Professional Skills LPG Stove /Cooking range, Operation of oven set the temperature requirement, Electric Mixer/Grinder Care and Cleaning or Mixer Grinder, Food Processor and Water Purifier set, care and maintenance. Identification of kitchen tools & instruments and it's specific usage (Knives in particular) Identification of basic processing / cooking equipment (light & heavy) Metals used in cooking – Stainless steel Special uses of Copper & Brass Cleaning, maintaining and storage of tools & equipment A) Personal hygienic: Safety of different body parts. | Introduction to Catering/Food Industry. History of Modern Cookery. Farm to Table – The entire supply chain. Different types of catering establishments Hotels / Restaurants Hospitals / Institutions Industrial / Canteens Transport Catering – Cruises, Railways and Airlines Organizational hierarchy of the Kitchen department (line & function) Attributes of kitchen service personal: Duties and responsibilities of kitchen service personal. Career Opportunities in the catering/Food Industry Knowledge about small, medium and large instruments, Uses of instruments. |
| | | |

Various textures, consistencies Techniques used in pre-preparation and preparation of food items Personal hygiene Grooming requirements & recommended scheduled to be practiced, care and safety of body and its importance, Food handlers hygienic: Protective clothing. Working area hygiene and its importance. Handling and Safety rules for using different types of knives and other kitchen equipment. Introduction to basic first aid theory and Knowledge about treating the minor injuries-Cuts scalds burns 2-4 **Demonstrations** Identification of basic food raw material Preparation of different food through photographs/ Videos, samples. Ingredients (Mise-en-place) Classification of raw materials Washing & cleaning Separation of edible & non-edible parts Fruits & Vegetables, Cereals & Pulses, Peeling, coring, shelling, Shredding, Spices, Condiments, Herbs & additives blanching, grading, sorting, Grinding, Types and identification of the same. Pounding and chopping Cutting (mainly vegetable & fruits): Classification of methods of cutting for different fruits and vegetables. Brunoise, Chiffonade, Jardinere, Julienne, Macedoine, Paysanne, Matignone, Slices, Paring, Turned, To study the various types of Indigenous desserts sweet dishes and indigenous Wedges, Allumette, Fluting of mushrooms, Turning Carrots and food products. Preparation and identification of Potatoes Preparation of paneer/cheese from milk. emulsions, blends, mixes etc. Cutting of paneer/cheese for varies Accompaniments and Garnishes. dishes. Knowledge about methods of Preparation of Burfee, Balushahi, preparation of salads and salad dressing Halwas, Gulabjamun, jalabi, Gujias, phirnee and Rasgulla. Preparation of different types indigenous food products. Method of mixing foods: Blending, Dissolving, Emulsification,

| | Whipping, Folding, Beating, Creaming, | |
|-----|---|--|
| | Kneading, Marinating. | |
| | Demonstration: | |
| | Uncooked & Cooked Salads | |
| | Vegetable Salads, | |
| | Leafy Salads, | |
| | Fruit Salads, | |
| | Whole meal Salads, | |
| | Indian green salad, | |
| | Salad Dressings: | |
| | Vinaigrette Dressing, | |
| | Oil based dressings, | |
| | Citrus juice dressings, | |
| | Derivatives, | 2 |
| 5-6 | Demonstration of cooking methods: | Methods of Cooking & effect of heat on |
| | Baking | foods |
| | Boiling | Dry Heat, Moist Heat and Microwave |
| | Poaching | Heating. |
| | Stewing | Cooking by medium of Fat, Conduction & |
| | Broiling | Convection Heating. |
| | Frying | Regional Cuisine in India. |
| | Griddling | List of utensils & equipment – Material, |
| | Grilling | uses, cleaning & storage. |
| | Roasting | Spices & Herbs – Identification & Uses. |
| | Saute / Stir Fry | Effect of heating on various food |
| | To be demonstrated on (as applicable): | ingredients. |
| | Fruits & Vegetable | Rice, Pulaos, Veg Biryanis & Daals. |
| | Cereals & Pulses | Tandoor Dishes (includes different |
| | Preparation of Rice, Pulaos, Veg Biryanis | seasoning on tandoori dishes. Lighting & |
| | &Daals - 3 preparations in each | controlling and operations of a tandoor. |
| | Demonstrations: | To study various types of basic Indian |
| | Basic Indian Gravy Base | gravies. |
| | Tomato & Onion, Cashew, Tomato, | Tempering (Tadka) & Garnishes. |
| 7-8 | Yoghurt, Yellow, Makni, White, & Brown | To study various types of basic Indian |
| | Gravy. | gravies. |
| | Final finish & presentation of dishes | Tempering (Tadka) & Garnishes. |
| | | |
| | | |

| | Demonstrations: | Stocks, Soups & Sauces |
|------|---|---|
| | | Recipes: |
| | Stocks, Soups & Sauces | Vegetable Stock |
| | Demonstration: | Types of stock, storage, uses of stocks. |
| | Vegetable Stock, | Classification of Soups: |
| | Demonstration of one vegetable soups | Thick – |
| | in each type. | Puree |
| | | Cream |
| | Demonstration of one vegetable sauce in | Chowder |
| | each type & its derivative. | Thin – Unpassed |
| | Hordoeuvres, Canapes, Sandwiches | Broths |
| | Demonstration on 6 varieties of each | Thin – Passed |
| | type. | Cold & International |
| | | Sauces |
| | / KON | Mayonnaise |
| | 1.888.1 | Veloute |
| | 9X (| Tomato (Kitchen) Sauce |
| | | Derivatives of Basic Sauces |
| | | Hordoeuvres, Canapes, |
| | | Sandwiches: open, toasted, grilled and |
| | ,5555555 | multi-layered sandwiches |
| | Preparation & Cooking of Vegetables | Vegetables:- |
| | European Cuisine | Classification, Selection & assessing |
| 9-10 | Potatoes – 3 varieties | quality, Season of availability, |
| | Vegetables – 3 varieties | Effect of heat on different vegetables in |
| | Demonstration and preparation of | acid/alkaline medium and reaction with |
| | Spaghetti & macroni. | different metals. |
| | 53 | To study about the various type |
| | कौशल भारत - व | farinaceous products. |
| | कादाल नारत " ५ | Yield and Wastage. |
| | - | Weights and Measures. |
| | | Different brands available in market. |

| | Preparation of different types of snacks, | | Different methods of preparation, |
|-------|---|-----------|---|
| | pickles, preserves & chutney, sauces and | | ingredients, equipments/utensils involved |
| | Raita. | | in the preparation of snacks, pickles, |
| 11-12 | Preparation & Cooking of Cer | eals, | preserve & chutney, sauces and Raita. |
| | Farinaceous and Pulses | | Identification & Selection of Cereals and |
| | Cooking of Rice, | | pulses. |
| | Cooking of beans & pulses, | | Varieties of pasta and methods of |
| | Cooking of Pasta – 2 varieties | 5, | preparation. |
| | Cooking of Pasta sauces – 4 v | arieties | Basic Dough & Pastes. |
| | Bakery & Confectionery | | Bread Dough & its types. |
| | 5 finished dishes from each b | ase dough | Puff paste, Choux paste, Short crust |
| | & pastes, | | paste, Danish paste, |
| | Breakfast breads – 10 varietie | es 🔑 | Cakes: Pound Cake, Cheese Cake, |
| | Waffles & Pancakes | | Puddings: |
| | Cookies | | Banana fritter, Payasam, Malpura, |
| | Banana fritter, | | Rice pudding, |
| | Payasam, | 7X \ | v |
| | Malpura, | D. | |
| | Rice pudding, | | |
| | Basic Calligraphy for cake dec | coration. | |
| | Preparation of different types | s of | Balancing of recipes. |
| | Regional foods—2 Varieties e | each. | Standardization of recipes, Yield, |
| | | A | Menu compilation, Menu planning, |
| 13 | Skill | | Portion control with brief study of how |
| | | | portions are worked out, |
| | | | Purchasing specification. |
| | | | Quality control, indenting and costing |
| | 4.7. | | Rechauffe. |
| | Internal Assessment | | Examination 03days |

Note: - More emphasis to be given on video/real-life pictures during theoretical classes. Some real-life pictures/videos of related industry operations may be shown to the trainees to give a feel of Industry and their future assignment.

9.1 EMPLOYABILITY SKILLS

(DURATION:- 110 HRS.)

| | Block – I | | | | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|--|--|--|
| | (Duration – 55 hrs.) | | | | | | | | | | |
| 1. English Literacy | | | | | | | | | | | |
| Duration: 20 Hrs. | Marks : 09 | | | | | | | | | | |
| Pronunciation | Accentuation (mode of pronunciation) on simple words, Diction | | | | | | | | | | |
| | (use of word and speech) | | | | | | | | | | |
| Functional Grammar | Transformation of sentences, Voice change, Change of tense, Spellin | | | | | | | | | | |
| Reading | Reading and understanding simple sentences about self, work and environment | | | | | | | | | | |
| Writing | Construction of simple sentences Writing simple English | | | | | | | | | | |
| Speaking / Spoken | Speaking with preparation on self, on family, on friends/ classmates, | | | | | | | | | | |
| English | on know, picture reading gain confidence through role-playing and | | | | | | | | | | |
| | discussions on current happening job description, asking about | | | | | | | | | | |
| | someone's job habitual actions. Cardinal (fundamental) numbers | | | | | | | | | | |
| | ordinal numbers. Taking messages, passing messages on and filling in | | | | | | | | | | |
| | message forms Greeting and introductions office hospitality, Resumes | | | | | | | | | | |
| - | or curriculum vita essential parts, letters of application reference to | | | | | | | | | | |
| | previous communication. | | | | | | | | | | |
| 2. I.T. Literacy | | | | | | | | | | | |
| Duration: 20 Hrs. | Marks: 09 | | | | | | | | | | |
| Basics of Computer | Introduction, Computer and its applications, Hardware and | | | | | | | | | | |
| | peripherals, Switching on-Starting and shutting down of computer. | | | | | | | | | | |
| Computer Operating | Basics of Operating System, WINDOWS, The user interface of Windows | | | | | | | | | | |
| System | OS, Create, Copy, Move and delete Files and Folders, Use of External | | | | | | | | | | |
| | memory like pen drive, CD, DVD etc, Use of Common applications. | | | | | | | | | | |
| Word processing and | Basic operating of Word Processing, Creating, opening and closing | | | | | | | | | | |
| Worksheet | Documents, use of shortcuts, Creating and Editing of Text, Formatting | | | | | | | | | | |
| | the Text, Insertion & creation of Tables. Printing document. | | | | | | | | | | |
| | Basics of Excel worksheet, understanding basic commands, creating | | | | | | | | | | |
| | simple worksheets, understanding sample worksheets, use of simple | | | | | | | | | | |
| | formulas and functions, Printing of simple excel sheets. | | | | | | | | | | |
| Computer Networking | Basic of computer Networks (using real life examples), Definitions of | | | | | | | | | | |

| and Internet | Local Area Network (LAN), Wide Area Network (WAN), Internet, | | | | | | | | | | |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| | Concept of Internet (Network of Networks), | | | | | | | | | | |
| | Meaning of World Wide Web (WWW), Web Browser, Web Site, Web | | | | | | | | | | |
| | page and Search Engines. Accessing the Internet using Web Browser, | | | | | | | | | | |
| | Downloading and Printing Web Pages, Opening an email account and | | | | | | | | | | |
| | use of email. Social media sites and its implication. | | | | | | | | | | |
| | Information Security and antivirus tools, Do's and Don'ts in | | | | | | | | | | |
| | Information Security, Awareness of IT - ACT, types of cyber crimes. | | | | | | | | | | |
| 3. Communication Skil | ls | | | | | | | | | | |
| Duration: 15 Hrs. | Marks : 07 | | | | | | | | | | |
| Introduction to | Communication and its importance | | | | | | | | | | |
| Communication Skills | Principles of Effective communication | | | | | | | | | | |
| | Types of communication - verbal, non verbal, written, email, talking on | | | | | | | | | | |
| | phone. | | | | | | | | | | |
| | Non verbal communication -characteristics, components-Para- | | | | | | | | | | |
| | language | | | | | | | | | | |
| | Body language | | | | | | | | | | |
| | Barriers to communication and dealing with barriers. | | | | | | | | | | |
| | Handling nervousness/ discomfort. | | | | | | | | | | |
| Listening Skills | Listening-hearing and listening, effective listening, barriers to | | | | | | | | | | |
| | effective listening guidelines for effective listening. | | | | | | | | | | |
| | Triple- A Listening - Attitude, Attention & Adjustment. | | | | | | | | | | |
| | Active Listening Skills. | | | | | | | | | | |
| Motivational Training | Characteristics Essential to Achieving Success. | | | | | | | | | | |
| The Power of Positive Attitude. | | | | | | | | | | | |
| 악기록 | Self awareness | | | | | | | | | | |
| | Importance of Commitment | | | | | | | | | | |
| | Ethics and Values | | | | | | | | | | |
| | Ways to Motivate Oneself | | | | | | | | | | |
| | Personal Goal setting and Employability Planning. | | | | | | | | | | |
| | Manners, Etiquettes, Dress code for an interview | | | | | | | | | | |
| Facing Interviews | Do's & Don'ts for an interview. | | | | | | | | | | |
| Behavioral Skills | Problem Solving | | | | | | | | | | |
| | Confidence Building | | | | | | | | | | |
| | Attitude | | | | | | | | | | |
| | Block – II | | | | | | | | | | |

| | Duration – 55 hrs. | | | | | | | | |
|------------------------|--|--|--|--|--|--|--|--|--|
| 4. Entrepreneurship Sk | tills | | | | | | | | |
| Duration: 15 Hrs. | Marks : 06 | | | | | | | | |
| Concept of | Entrepreneur - Entrepreneurship - Enterprises:-Conceptual issue | | | | | | | | |
| Entrepreneurship | Entrepreneurship vs. management, Entrepreneurial motivation. | | | | | | | | |
| | Performance & Record, Role & Function of entrepreneurs in relation to | | | | | | | | |
| | the enterprise & relation to the economy, Source of business ideas, | | | | | | | | |
| | Entrepreneurial opportunities, The process of setting up a business. | | | | | | | | |
| Project Preparation & | Qualities of a good Entrepreneur, SWOT and Risk Analysis. Concept & | | | | | | | | |
| Marketing analysis | application of PLC, Sales & distribution Management. Different | | | | | | | | |
| | Between Small Scale & Large Scale Business, Market Survey, Method | | | | | | | | |
| | of marketing, Publicity and advertisement, Marketing Mix. | | | | | | | | |
| Institutions Support | Preparation of Project. Role of Various Schemes and Institutes for self- | | | | | | | | |
| | employment i.e. DIC, SIDA, SISI, NSIC, SIDO, Idea for financing/ non | | | | | | | | |
| | financing support agencies to familiarizes with the Policies | | | | | | | | |
| | /Programmes & procedure & the available scheme. | | | | | | | | |
| Investment | Project formation, Feasibility, Legal formalities i.e., Shop Act, | | | | | | | | |
| Procurement | Estimation & Costing, Investment procedure - Loan procurement - | | | | | | | | |
| | Banking Processes. | | | | | | | | |
| 5. Productivity | | | | | | | | | |
| Duration: 10 Hrs. | Marks : 05 | | | | | | | | |
| Benefits | Personal / Workman - Incentive, Production linked Bonus, | | | | | | | | |
|) | Improvement in living standard. | | | | | | | | |
| Affecting Factors | Skills, Working Aids, Automation, Environment, Motivation - How | | | | | | | | |
| नहीं १ | improves or slows down. | | | | | | | | |
| Comparison with | Comparative productivity in developed countries (viz. Germany, Japan | | | | | | | | |
| developed countries | and Australia) in selected industries e.g. Manufacturing, Steel, Mining, | | | | | | | | |
| | Construction etc. Living standards of those countries, wages. | | | | | | | | |
| Personal Finance | Banking processes, Handling ATM, KYC registration, safe cash handling, | | | | | | | | |
| Management | Personal risk and Insurance. | | | | | | | | |
| 6. Occupational Safety | , Health and Environment Education | | | | | | | | |
| Duration: 15 Hrs. | Marks : 06 | | | | | | | | |
| Safety & Health | Introduction to Occupational Safety and Health importance of safety | | | | | | | | |
| | and health at workplace. | | | | | | | | |
| Occupational Hazards | Basic Hazards, Chemical Hazards, Vibroacoustic Hazards, Mechanical | | | | | | | | |
| | Hazards, Electrical Hazards, Thermal Hazards. Occupational health, | | | | | | | | |

| | Occupational hygienic, Occupational Diseases/ Disorders & its | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|
| | prevention. | | | | | | | | | | |
| Accident & safety | Basic principles for protective equipment. | | | | | | | | | | |
| | Accident Prevention techniques - control of accidents and safety | | | | | | | | | | |
| | measures. | | | | | | | | | | |
| First Aid | Care of injured & Sick at the workplaces, First-Aid & Transportation of | | | | | | | | | | |
| | sick person. | | | | | | | | | | |
| Basic Provisions | Idea of basic provision legislation of India. | | | | | | | | | | |
| | Safety, health, welfare under legislative of India. | | | | | | | | | | |
| Ecosystem | Introduction to Environment. Relationship between Society and | | | | | | | | | | |
| | Environment, Ecosystem and Factors causing imbalance. | | | | | | | | | | |
| Pollution | Pollution and pollutants including liquid, gaseous, solid and hazardous | | | | | | | | | | |
| | waste. | | | | | | | | | | |
| Energy Conservation | Conservation of Energy, re-use and recycle. | | | | | | | | | | |
| Global warming | Global warming, climate change and Ozone layer depletion. | | | | | | | | | | |
| Ground Water | Hydrological cycle, ground and surface water, Conservation and | | | | | | | | | | |
| | Harvesting of water. | | | | | | | | | | |
| Environment | Right attitude towards environment, Maintenance of in -house | | | | | | | | | | |
| | | | | | | | | | | | |
| | environment. | | | | | | | | | | |
| 7. Labour Welfare Legi | slation | | | | | | | | | | |
| Duration: 05 Hrs. | slation Marks: 03 | | | | | | | | | | |
| | Slation Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship | | | | | | | | | | |
| Duration: 05 Hrs. | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts | Slation Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools | Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. | Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness | Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. | Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness Quality Circles | Marks: 03 Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles. | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness Quality Circles Quality Management | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles. Idea of ISO 9000 and BIS systems and its importance in maintaining | | | | | | | | | | |
| B. Quality Tools Duration: 10 Hrs. Quality Consciousness Quality Circles Quality Management System | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles. Idea of ISO 9000 and BIS systems and its importance in maintaining qualities. | | | | | | | | | | |
| Duration: 05 Hrs. Welfare Acts 8. Quality Tools Duration: 10 Hrs. Quality Consciousness Quality Circles Quality Management | Benefits guaranteed under various acts- Factories Act, Apprenticeship Act, Employees State Insurance Act (ESI), Payment Wages Act, Employees Provident Fund Act, The Workmen's compensation Act. Marks: 05 Meaning of quality, Quality characteristic. Definition, Advantage of small group activity, objectives of quality Circle, Roles and function of Quality Circles in Organization, Operation of Quality circle. Approaches to starting Quality Circles, Steps for continuation Quality Circles. Idea of ISO 9000 and BIS systems and its importance in maintaining | | | | | | | | | | |

10. DETAILS OF COMPETENCIES (ON-JOB TRAINING)

The competencies/ specific outcomes on completion of On-Job Training are detailed below: -

Block – I (On-the-Job Training) (9 Months)

- 1. Knowledge of Utensils & equipments and chemical and santizing agents used for kitchen tools and equipments.
- 2. Knowledge of spices and herbs
- 3. Perform cooking methods with specific utensils and explain effect of heat on foods.
- 4. Prepare chutney and dips by using appropriate machines and kitchen tools.
- 5. Prepare Indian breads and Tandoor dishes.
- 6. Prepare basic Indian gravies such as Tomato, Onion, Cashew and Yoghurt.
- 7. Prepare dishes with veg. gravy.
- 8. Prepare rice, pulaos, Veg biryanis and daals by using kitchen tools
- 9. Prepare Indian sweet dishes such as Burfee, Balushahi, Halwas, Gulabjamun, jalabi, Gujias, phirnee and Rasgulla.
- 10. Prepare different types of regional foods.

Block - II (On-the-Job Training) (12 Months)

- 11. Prepare and explain stocks, soups and sauces by using kitchen tools.
- 12. Prepare hor d'oeuvres, canapés and sandwiches.
- 13. Prepare and cook vegetables for European cuisine.
- 14. Prepare farinaceous products as spaghetti & macroni.
- 15. Prepare different types of Regional foods.
- 16. Prepare and cook rice, beans & pulses, pasta and pasta sauces.
- 17. Prepare bakery and confectionery products such as breakfast breads, waffles & pancakes, cookies and basic calligraphy for cake decoration.
- 18. Prepare snacks, pickles, preserve, chutney, sauces and raitha.
- 19. Explain food safety standards and food adulteration.

(Optional – Place of European Cuisine)

- 20. Knowledge of Utensils & equipments and chemical and cleaning agents used for kitchen tools and equipments.
- 21. Prepare dim-sums by using appropriate machines and tools.
- 22. Perform cooking methods with specific utensils and explain effect of heat on foods.
- 23. Prepare rice and noodles by using appropriate machines and tools.

24. Perform the uses of sauces, spices and condiments for finished dishes in Chinese cuisine.

Note:

- 1. Industry must ensure that above mentioned competencies are achieved by the trainees during their on job training.
- 2. In addition to above competencies/ outcomes industry may impart additional training relevant to the specific industry.



INFRASTRUCTURE FOR PROFESSIONAL SKILL & PROFESSIONAL KNOWLEDGE

| FOOD PRODUCTION (VEGETARIAN) | | | | | | | | | |
|---|--|--------------------|--|--|--|--|--|--|--|
| LIST OF TOOLS AND EQUIPMENT for Basic Training (For 20 Apprentices) | | | | | | | | | |
| A: TRAINEES TOOL KIT:- | | | | | | | | | |
| SI. | Name of the items | | | | | | | | |
| No. | , | | | | | | | | |
| 1 | Knife Kit – Chef's Knife Filet Knife Paring Knife Peelers Knife Sharpeners | 1 each | | | | | | | |
| 2 | Wiping Cloth | 3 Sets (2 Nos.) | | | | | | | |
| 3 | Apron | 3 Nos. | | | | | | | |
| 4 | Kitchen Shoes (slip on, round front, anti slip) | 2 Pairs | | | | | | | |
| 5 | Head/Beard mesh cap | 2 pairs | | | | | | | |
| Traini | ng Kitchen | | | | | | | | |
| 6. | Working tables (Stainless steel food grade) | Е | | | | | | | |
| 7. | L.P. Gas Cooking Range | E | | | | | | | |
| 8. | Oven, toaster and griller | E | | | | | | | |
| 9. | Induction Plate | E | | | | | | | |
| 10. | Tandoor and Skewer | E | | | | | | | |
| 11. | Cooking Range (High Pressure) | E | | | | | | | |
| 12. | Griddle (Cooking plate) | E | | | | | | | |
| 13. | Dry Store | D | | | | | | | |
| 14. | Refrigerator and Deep Freezer | D | | | | | | | |
| 15. | Black Board | D | | | | | | | |
| 16. | Trainer's Table | D | | | | | | | |
| 17. | Required Electric, Gas Connections, Lighting & Air Conditioning | D | | | | | | | |
| 18. | Dish Wash Area with required Sink & water supply | E | | | | | | | |
| 19. | Pot Wash Area with required water supply | E | | | | | | | |
| 20. | Grinding Stone | E | | | | | | | |
| 21. | Coconut Grater | D | | | | | | | |
| 22. | Grinder Machine | D | | | | | | | |
| 23. | Blender/Mixer | D | | | | | | | |
| 24. | Dough or batter Maker | D | | | | | | | |
| 25. | Dough Mixer | D | | | | | | | |
| 26. | Weighing Balance | E | | | | | | | |

| 27. | Chopping Boards - Plastic with HACCP Colour Coding | Е |
|---------|--|-------------|
| 28. | Cutting Knives (Full Set) (All Types) | E |
| 29. | Frying Pan-Non-Stick/Small/Medium/Large | E |
| 30. | Kadai-Large/Small (Non stick induction) | E |
| 31. | Heavy Bottom Pan Small/Big | E |
| 32. | | |
| 33. | Aluminum Degchi-15Ltr./12 Ltr. | E E |
| | Tawa- General/Large | |
| 34. | Wok (Chinese Kadai) | E |
| 35. | Cooker-1 Ltr. / 2 Ltr., | E |
| 36. | Strainers-Conical/Strainers) | E |
| 37. | Steel Bowls-Small/Medium/Big | E |
| 38. | Collander | E |
| 39. | Baking Tray | E |
| 40. | Holders(Tongs/bowl) | |
| 41. | Saucepan Large/small | E |
| 42. | Plastic Trays-Big/Small | D |
| 43. | Pie Dish | D |
| 44. | Steel Plates | D |
| 45. | Containers (For keeping dry items) (Plastic/Steel) | E |
| 46. | Serving dish | E |
| 47. | Bread, Cake & assorted moulds | E |
| 48. | Roiling Pin and Rolling Base | E |
| 49. | Mandolin Grater | D |
| 50. | Wooden Spatula | E |
| 51. | Perforated Spoon | E |
| 52. | Steel Slicer | E |
| 53. | Steel Basin | D |
| 54. | Steel Ladles | D |
| 55. | Steel & Plastic Mugs | D |
| 56. | Steel Spoons | D |
| 57. | Balloon Whisk | Е |
| 58. | Measuring Jars | E |
| 59. | Digital Thermometers | E |
| 60. | Dustbins | E |
| 61. | Chart denoting the Do's' and Don'ts Kitchen | E |
| 62. | First Aid Kit and Fire Extinguishers | E |
| 63. | Baking ovens | E |
| 64. | Fly killer (UV type) | E |
| 65. | Rodent box/ Glue Trap | E |
| B: Inst | truments & General Shop Outfit | |
| 66. | Lighting (natural & artificial). | As required |

| 67. | Ventilation, air-conditioning (temperature & humidity and air quality | | | | | | | |
|--------------------------------------|---|-------------|--|--|--|--|--|--|
| 07. | measurement). | | | | | | | |
| 68. | Minimum recommended space for prevention of accidents. | As required | | | | | | |
| 69. | Trolleys & other aids to lift and move heavy material. | | | | | | | |
| 70. | Safety gear while working on heavy duty equipment& preventing | As required | | | | | | |
| 70. | contamination of food Steel mesh gloves. | | | | | | | |
| 71. | Locker for 20 Trainees | As required | | | | | | |
| C: General Machinery Installations – | | | | | | | | |
| 72. | Walk – in coolers and deep freeze | As required | | | | | | |
| 73. | Deep fat fryers | As required | | | | | | |
| 74. | 3- tier ovens | As required | | | | | | |
| 75. | Combi – ovens | As required | | | | | | |
| 76. | Steam boilers / Tandoors / Griddle plates | As required | | | | | | |
| 77. | High pressure gas stoves | As required | | | | | | |
| 78. | Industrial scale – peeler, slices, choppers, Grinder and pulper. | As required | | | | | | |
| 79. | Dough kneaders & sheeters, Beater / mixers for batters | | | | | | | |
| 80. | Wet Grinders | As required | | | | | | |



| TOOLS & EQUIPMENTS FOR EMPLOYABILITY SKILLS | | | | | | | | | |
|---|--|---------|--|--|--|--|--|--|--|
| SI. No. | Name of the Equipment | | | | | | | | |
| 1. | Computer (PC) with latest configurations and Internet connection with standard operating system and standard word processor and worksheet software | 10 Nos. | | | | | | | |
| 2. | UPS - 500VA | 10 Nos. | | | | | | | |
| 3. | Scanner cum Printer | 1 No. | | | | | | | |
| 4. | Computer Tables | 10 Nos. | | | | | | | |
| 5. | Computer Chairs | 20 Nos. | | | | | | | |
| 6. | LCD Projector | 1 No. | | | | | | | |
| 7. | White Board 1200mm x 900mm | 1 No. | | | | | | | |

Note: - Above Tools & Equipments not required, if Computer LAB is available in the institute.



FORMAT FOR INTERNAL ASSESSMENT

| Name & Address of the Assessor : | | | | | | | Year of Enrollment : | | | | | | | | | |
|--------------------------------------|---------------------|-----------------------|-------|------------------------------------|-------------------------------|-------------------------|------------------------------------|-------------------------------------|-----------------------------|------------------------------------|-----------------------------|---------------------|------------------------|------|------------------------------------|--------------|
| Name & Address of ITI (Govt./Pvt.) : | | | | | | | | Date of Assessment : | | | | | | | | |
| Name & Address of the Industry : | | | | | 59 | | | Assessment location: Industry / ITI | | | | | | | | |
| Trade Name : Semester: | | | | | Duration of the Trade/course: | | | | | | | | | | | |
| Lear | ning Outcome: | | | | | | | | | | | | | | | |
| | Maximum Marks (Tota | al 100 Marks) | | 15 | 5_ | 10 | 5 | | 10 | 10 | 5 | 10 | 15 | 15 | nt | |
| SI. No | Candidate Name | Father's/Moth Name | ner's | Safety <mark>conscio</mark> usness | Workplace hygiene | Attendance/ Punctuality | Ability to follow Manuals/ Written | 200000 | Application of Knowledge | Skills to handle tools & equipment | Economical use of materials | Speed in doing work | Quality in workmanship | VIVA | Total internal assessment Marks | Result (Y/N) |
| 1 | | 971 | | | | | 9 | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |