



GOVERNMENT OF JAMMU AND KASHMIR  
HIGHER EDUCATION DEPARTMENT  
CIVIL SECRETARIAT JAMMU/SRINAGAR

**SUBJECT: GUIDELINES FOR IMPLEMENTATION OF SKILL ENHANCEMENT PROGRAMMES IN GOVERNMENT DEGREE COLLEGES IN UT OF JAMMU & KASHMIR**

**Government Order No: 343 JK (HE) of 2021.**

**Dated: 10 -12-2021**

1. The Government Degree Colleges in J&K are undertaking Skill Enhancement Courses under 3 broad categories, viz, Skills Qualifications Framework (NSQF) prescribed Credit Based certificate Skill courses ; non NSQF aligned, affiliating university approved credit based (theory only) courses, & lastly, non NSQF, non Credit Based, Industry oriented Employability driven other skill courses.
2. NSQF is a competence-based framework that organizes qualifications according to series of knowledge, skills and aptitude-based courses stacked from level 4 to level 10 & accords credits and qualifies awarding of certificate/diploma/advance diploma by Higher Education institutions upon following the prescribed guidelines. The Higher Education Institutions (HEIs), in J&K, have selected a few of the skill courses prescribed under Level 4 (certificate courses), of NSQF & embedded them with UGC's -Choice Based Credit System (CBCS), for undergraduate students studying in semesters 4, 5 & 6.
3. The courses falling within Level pack 4 (Enclosed as annexure 1), are generally of 30 credit points & upon successful completion of such courses the students are eligible for a certificate in the respective skill. Successful completion means, that for earning all 30 credits, teaching & training hours spent on **General Education component (also called as Professional Knowledge, worth 12 credit points) & Skill Component (also called as Professional Skills, worth 18 credit points)** respectively, should be appropriately divided.
4. Our government degree colleges, despite having embedded the NSQF courses in the course curriculum, (NSQF based level 4 certificate courses), fall short of awarding appropriate skill completion certificate to the students. This situation has so arisen because - **only theory based component or general education component, (normally of 12 credit points) of a particular course is being taught at the colleges without conducting training for the matching Skill component, (generally of 18 credit points) which requires organizing internship/industrial training & cannot be taught in college premises under classroom settings; and at some colleges in every semester a**



different course is selected by the student, & the student though earns 12 credit points but through different courses studied in different semester, without achieving the desired purpose.

6. Further, in some of the colleges, as a variation to the above, respective affiliating university approved, Credit based courses are taken up. However successful completion of these courses only fetches 12 credit points and doesn't qualify the concerned student for obtaining any certificate or qualitative distinctive recognition in the skill studied.
7. Therefore, in order to streamline the conduct of skill based courses (NSQF based or otherwise) in government degree colleges of J&K, **the following directions are hereby issued: -**

i. **For Government Colleges following the NSQF based Level Pack-4 Courses:-**

- a. skill enhancement courses (SEC) to be administered to the students studying in 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> semesters shall be selected from amongst the NSQF Level 4, & once a course (under a theme) has been selected from NSQF Level 4, in 4th semester, the same theme/domain shall be maintained for remaining the remaining semesters (5th & 6th), thus enabling the students build proficiency on the chosen theme (as envisage under NSQF). Further, the selection of themes should be done by the colleges keeping in view the Hub & Spoke model created for HEIs, vide circular No: 05 JK(HE) of 2020 dated 09-09-2020 (Enclosed as annexure-2). After introducing the themes as per above referred circular, the concerned college may adopt any other theme keeping in view the availability of resources (both civil infrastructure and Faculty);
- b. The course(s) shall be so chosen that the requisite course curriculum should be in line with NSQF prescribed modules for the said course(s).
- c. Further, the degree colleges shall engage training partners, after following all codal formalities, for imparting skill components (Professional Skills), with the **General Education component (also called as Professional Knowledge)** for chosen the course(s), as mandated under 3(i)&3(ii). In case, a college intends to undertake a course which fulfills the criterion mentioned under 3(i)&3(ii), however requires engaging a training partner for the entire course module, i.e. both, skill components (Professional Skills), and **General Education component( also called as Professional Knowledge**, the same may be done. However, the training partner engaged for either skill component training or General Education Component Training, shall necessarily be from amongst the following:

- I. **Higher Education Institutes of Repute IITs, NITs, IIMs, Agricultural and veterinary institutes**
- II. **Industries registered with Department of Promotion of Industry and Internal Trade, GOI.**
- III. **Ministry of Skill Development and Entrepreneurship**





- IV. National Skill Development Corporation (NSDC)  
V. National Skill Training Institute (NSTI)

ii) For colleges pursuing affiliating university approved, Credit based courses:

Such Credit based skill courses which are only theory related, should be phased out at the earliest practicable, and no new admissions shall be taken in these courses, other than for students who are already enrolled.

iii) For non NSQF, non Credit Based, Industry oriented Employability driven other skill courses:

prior approval of HED by the concerned college shall be mandatory. However, such courses which are already in operation (i.e. training is going on) in various colleges, shall be deemed to be approved, & no further approval shall be required.

7. lastly, vide Circular No.24-II2016(CPP-II) dated, 4th october,2017, University Grants Commission, has directed all universities to consider **compulsory courses on Disaster Management**. Thus, Disaster Management should be made compulsory subject (CC-Disaster Management) in the 3rd Semester of every UG Program at all degree colleges in UT of Jammu and Kashmir.

8. Needless, funds shall be release under the skill enhancement scheme (SES) component of JKHED only if the above guidelines are adhered in letter & spirit.

**Annexure-I**

S. No.	Subject/Stream Domain	Level 4 courses as per NSQF	Corresponding Sector Skill Council
<b>Agriculture Technology</b>			
1	<b>Agriculture Technology</b>	Agriculture Extension Service Provider	<b>SSC-Agriculture</b>
2		Florist	
3		Supply Chain Field Assistant	
4		Bio-Fertilizers	
5		Preservation of Fruits and Vegetables	
7		Vermitechnology	
8		Nursery and Gardening	
9		Commercial Plant Propagation	
10		Seed Technology	
11		Small scale processing of fruits and vegetables	
12		Quality evaluation of food	
13		Food preservation	
14		Nursery, gardening and floriculture	
15		Technology of processing of fruits &	

		vegetables	
16		Mushroom cultivation technology	
17		Food product development and entrepreneurship	
18		Medicinal plants and herbal technology	
19		Pests and pest management	
20		Ethnobotany	
21		Medicinal Plants and Herbal Resource Management	
22		Post Harvest Physiology of Fruits & Vegetables	
23		Elementary Food Processing	
24		Food Packaging	
25		Food Quality Assurance	
26		Plantation Crops and Spices	
27		Food Safety	
28		Novel Techniques of Food Processing	
29		Postharvest Management of Tree Nuts	
30		Food Processing & Technology	
31		Applied agricultural Microbiology	
32		Food Processing & Value Addition	
33		Organic Farming	
34		Advanced Techniques of Food Analysis	
35		Soil and water testing	
36		Food process & preservation	
37		Nursery Production and Management	
38		Sustainable Agriculture	
39		Agriculture	
40		Medicinal Plants Grower	
41		Agriculture & Rural Technology	
	<b>Horticulture Technology</b>		
1	<b>Horticulture Technology</b>	Dry land Horticulture	
2		Nursery Production and Management	
3		Preservation of Fruits and Vegetables	
4		Vermitechnology	
5		Nursery and Gardening	
7		Biofertilizers	
8		Commercial Plant Propagation	
9		Mushroom culture technology	
10		Small scale processing of fruits and vegetables	
11		Quality evaluation of food	

12		Floriculture	
13		Food Preservation	
14		Seed Production and Processing	
15		Horticulture Technology	
16		Nursery, gardening and floriculture	
17		Technology of processing of fruits & vegetables	
18		Food product development and entrepreneurship	
19		Apiculture	
20		Pests and pest management	
21		Medicinal Plants and Herbal Resource Management	
22		Post Harvest Physiology of Fruits & Vegetables	
23		Elementary Food Processing	
24		Commercial Floriculture	
25		Food Packaging	
26		Food Processing & Technology	
<b>Veterinary Technology</b>			
1	<b>Veterinary Technology</b>	Livestock Production and Management	
2		Dairying and Animal Husbandry	
3		Fish Farming	
4		Fish and egg processing technology	
5		Dairy technology	
6		Dairy Products	
7		Sericulture	
8		Poultry farming	
9		Apiculture	
10		Fishing Technology	
11		Silkworm Rearing Technology	
12		Elementary Milk Products Technology	
13		Technology of Milk and Milk Products	
<b>I.T Computers and Electronics</b>			
1	<b>I.T Computers and Electronics</b>	Software Development	<b>(SSC-IT- ITES) Information Technology- Information Technology Enabled Services (IT-ITES)</b>
2		Computer Hardware & Networking	
3		Computer Aided Design (CAD)	
4		Information Technology	
5		Domestic IT helpdesk Attendant	
6		Junior Software Developer	
7		Functional Tester – TV	
8		Mechanical Fitter	
9		Mechanical Sub-assembly Technician	



10	PCB Assembly Operator
11	Performance Tester
12	Performance Tester – TV
13	Performance Tester -RACWO
14	Security System Installation Technician
15	Smartphone Assembly Technician
16	Solar & LED Technician
17	Sorting Operator
18	Sub-assembly Technician (Electronic)
19	Welding Operator
20	Mobile Repairing
21	Information Security and Cyber Law
22	Web Designing
23	Basics of Information Technology
24	Cyber security
25	Laptop and mobile phone repairing
26	Programming with Python
27	Multimedia computing
28	Repairing and maintenance of power supply, inverters & UPS
29	Multimedia and animations
30	Computer Applications in Business
31	Programming in java
32	Web designing tools and frameworks
33	Web designing frameworks
34	C- programming
35	E-commerce
36	Cloud computing
37	Consumer electronics
38	ROBOTICS
39	Basic Instrumentation Skills
40	Website Development Tools
41	C++Programming
42	MATLAB
43	Remote Sensing, GIS and GPS-I
44	Fundamentals of GIS
45	Computer Aided Design
46	Software Engineering
47	Computer Graphics and Multimedia
48	Python
49	Computing and Informatics-II

50		Computer Graphics	
51		Artificial Intelligence	
52		Data Analysis Using R Software	
53		Computer Hardware	
54		Desktop Publishing	
55		Graphic Designing	
56		Tally	
57		Electrician/Industrial Electrician	
58		CCTV Installation Technician	
59		Cisco Certified Network Associate (CCNA)	
60		Computer assembly& maintenance	
Infrastructure/ Engineering			
1	Infrastructure/ Engineering	Environment Health and Safety (EHS) Steward	SSC-Construction
2		Fabricator	
3		Infrastructure Welding Technology	
4		Computer Aided Design (CAD)	
5		Computer Aided Design and Drafting	
6		Solar Photovoltaic System (SPV)	
7		Solar Power Installation, Operation and Maintenance	
8		Maintaining and Servicing Home Appliance	
9		Electrical Appliances Maintenance And Repairing	
10		Industrial Automation & Mechatronics	
11		Maintenance Planning Course.	
12		Artificial Intelligence and Robotics	
13		Software Engineering	
14		Repairing of Home Appliances /AC Refrigerator	
15		Mobile Phone Repairing	
16		Industrial Fermentation	
17		Industrial Biotechnology and Bioprocess Engineering	
18		Repairing and maintenance of power supply, inverters and UPS	
Human Development/ Early Child Care and Teacher Education			
1	Human Development/ Early Child Care and Teacher Education	Early Childhood care and Education	
2		Rural Health Care and Sanitation.	
3		Mental health counseling	
4		Sports, Physical Education and Fitness/Yoga for Physical and mental Health	
5		Human Rights	



6		Gender Sensitization	
7		Activities and Resources for child development(Practical)	
9		Nutrition Health Communication (Theory)	
10		Mental Health and Psychiatric Social Work	
11		Stress Management	
Food Technology and Food Processing			
1	Food Technology and Food Processing	Food Processing	SSC-Food Processing
2		Food Processing and Management	
3		Assistant Lab Technician - Food and Agricultural Commodities	
4		Cold Storage Technician	
5		Modified Atmosphere Storage Technician	
6		Plant Biscuit Production Specialist	
7		Purchase Assistant - Food and Agricultural Commodities	
9		Food Processing, preservation and Storage	
10		Food, Pharma and Beverage Industries	
11		Food Testing and Quality Evaluation	
12		Basic Bakery Technology and Entrepreneurship	
13		Food Packaging	
14		Food Quality Assurance	
15		Advanced Techniques of Food Analysis	
16		Bakery and Confectionery Technology	
17		Food Safety	
18		Novel Techniques of Food Processing	
19		Elementary Milk Products Technology	
Mass Communication & Multi Media Production			
1	Mass Communication & Multi Media Production	Web Technology and Multimedia	SSC-Media & Entertainment
2		Digital Marketing	
3		Animation and Graphic Design	
4		Journalism and Mass Communication	
5		Digital Media & Animation	
6		Broadcasting & Journalism	
7		Assistant cameraman	
8		Character designer	
9		Sound engineer	
Accountancy and Taxation (Commerce, Business and Management) Banking and Corporate Affairs			
1	Accountancy and Taxation (Commerce, Business and Management) Banking	Retail Management	BFSI Sector Skill Council
2		Business Process and Data Analytics	
3		Banking & Financing Services	
4		Accounting & taxation	



5	and Corporate Affairs	Tally with GST, FINANCIAL ACCOUNTING, Tally and Taxation	
6		Corporate Affairs	
7		Computer Application, Accounting and Publishing	
8		Intellectual Property Right	
9		E-Taxation and E-Accounting	
Hospitality and Catering Technologies			
1	Hospitality and Catering Technologies	Tourism Administration	SSC-Tourism &Hospitality
2		Catering Technology & Hotel Management	
3		Commis chef	
4		Counter sale executive	
5		Front office associate	
6		Order taker – home delivery	
8		Tour Escort	
Fine Arts, Music and Languages			
1	Fine Arts, Music and Languages	Theatre and TV programs	
2		Film Making and Dramatics	
3		Photography and video graphy	
4		3-D Animation	
5		Entertainment Technology	
6		Beauty & Wellness(Make-up)	
7		Dress Making	
8		Light Music and Instrumental	
9		Fashion Design & Garment Technology	
10		Yoga	
11		Handicraft and Carpet	
12		Embroidery and Printing Technology	
13		Pottery & Ceramic Design	
14		Fitness Management And Personal Training	
Pharmacy and Paramedical			
1	Pharmacy and Paramedical	Production/Machine Operator-Life Sciences	SSC-Life Sciences
2		Pharmaceutical Analysis & QA	
3		Pharmacy Assistant/Pharmaceutical Analysis & quality Assurance	
4		Anesthesia Technician	
5		Assistant Physiotherapist	
6		Blood Bank Technician	
7		Cardiac Care Technician	
8		Dental Technician	

9	Diabetes Educator
10	Dialysis Technician
11	Emergency Medical Technician-Basic
12	Medical Laboratory Technician
13	Medical Records & health Information Technician
14	Pharmacy Assistant
15	Radiology technician
16	Speech Audio Therapy Assistant
17	Medical Laboratory Technology
18	Operating Theatre Technology
19	Optometry
20	Radiology and Imaging
21	Renal Dialysis Technology

**By Order of the Government of Jammu and Kashmir.**

Sd/-

**Sushma Chauhan, IAS**

Secretary to the Government  
Higher Education Department.

Dated: - 10 -12-2021

No.HED-Coll/16/2021-05.

Copy to the:-

1. Principal Secretary to Hon'ble Lt. Governor J&K, Srinagar.
2. Director Finance, Higher Education Department.
3. Director Colleges, J&K, Srinagar.
4. Director, Archives, Archaeology & Museum, J&K Srinagar.
5. OSD to Advisor (B) to Hon'ble Lt. Governor.
6. Principal, \_\_\_\_\_.
7. Pvt. Secretary to Secretary, to Government Higher Education Department.
8. Concerned.
9. I/C Web Site Higher Education Department.
10. Government Order file. (w.2.s.c.).



(Anil Sharma)

Under Secretary to the Government,  
Higher Education Department.