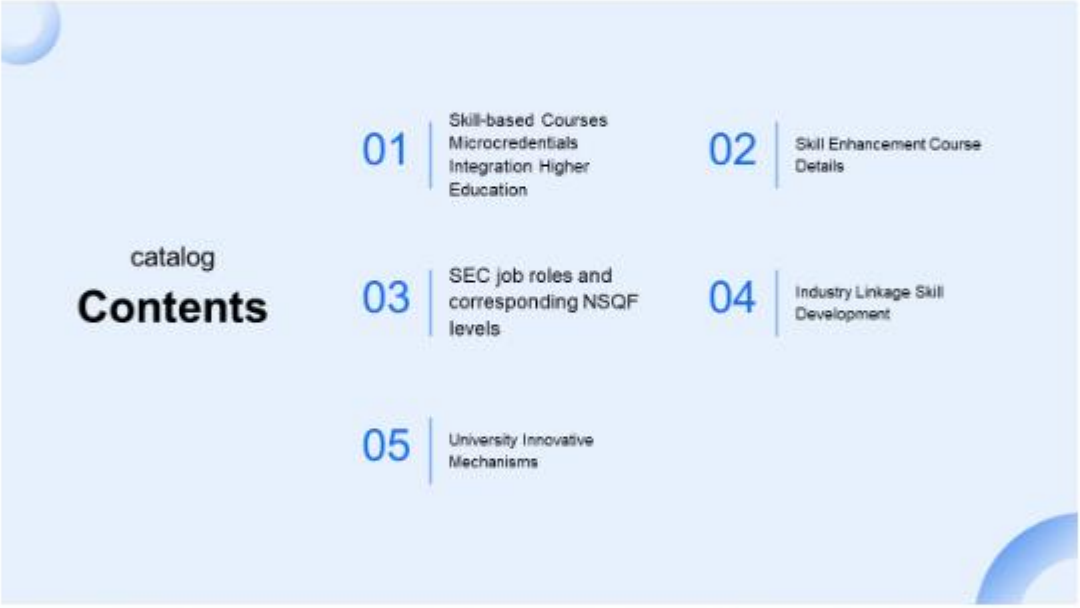
V. ANNEXURE


2026/07/24
review meeting: skill based couses and microcredentials in Kurukshetra University Kurukshetra
Prof. Anita Dua


catalog
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02 Skill Enhancement Course Details
03 SEC job roles and corresponding NSQF levels
04 Industry Linkage Skill Development
05 University Innovative Mechanisms


01
Skill-based Courses Microcredentials Integration Higher Education

Mandatory Skill Components



Mandatory Skill Components

Skill Enhancement Components are mandatory in CCFUGP and CCFPG, with SEC@9Credit, VOC@12Credit for UG, and EEC@2Credit for PG programs.

Diverse Skill Pool



Diverse Skill Pool

A pool of SEC, VOC, and EEC is created to cater to students' interests in various areas, including AI, machine learning, blockchain to agriculture, Art, translation etc.

Tech Focus

This initiative focuses on cutting-edge technologies like AI, machine learning, and blockchain to engage students across diverse interests.



Student Choice and Guidance



Student Choice

Students choose SEC/VOC based on interest; teachers guide selection per career aspirations.



Teacher Guidance

Teachers facilitate and guide students in selecting SEC and VOC according to their career aspirations.

Online Skill Options

Online Course Choice

Students can choose skill enhancement courses from recognized online platforms, offering flexible learning options.

Skill Enhancement

Students have the choice of opting for skill enhancement courses from recognized online platforms as per their preference.



02

Skill Enhancement Course Details



Skill Enhancement Courses

Course Availability

Currently, 83 skill enhancement courses and 140 vocational Courses are available to affiliated colleges.

Distance Education

Distance Education provides an independent portal with 170 skill-based courses for learners worldwide.

Pool of SEC courses

SEC-1@3credit		SEC-2@3credit		SEC-3@3credit		SEC-4@2credit	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
B23-SEC-101	Office and Spreadsheet Tools Learning	B23-SEC-201	Cloud Computing Skills	B23-SEC-301	Advance IT Skills	B23-SEC-401	Basic Statistical Tools
B23-SEC-102	Advance Spreadsheet Tools	B23-SEC-202	Business Analytics	B23-SEC-302	Data Management	B23-SEC-402	Manuscript Writing
B23-SEC-103	Basic IT Tools	B23-SEC-203	Calculation Skills with Vedic Mathematics-1	B23-SEC-303	Calculation Skills with Vedic Mathematics-II	B23-SEC-403	Balanced Diet Planning
B23-SEC-104	Essentials of Python	B23-SEC-204	Frozen Food Technology	B23-SEC-304	Plant Hybridization	B23-SEC-404	Food Adulteration Testing
B23-SEC-105	Introductory Course in R	B23-SEC-205	Chemistry of Food Flavours and Colorants	B23-SEC-305	Vertical Farming	B23-SEC-405	IPR and Patent Writing

Pool of SEC courses .... contd.

SEC-1@3credit		SEC-2@3credit		SEC-3@3credit		SEC-4@2credit	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
B23-SEC-106	Computer Programming in C	B23-SEC-206	Public Speaking in Hindi Language and Leadership	B23-SEC-306	Olericulture	B23-SEC-406	Basic Mathematical Technique
		B23-SEC-207	Soft Skills	B23-SEC-307	Biofertilizers		
		B23-SEC-208	Harmonium Playing	B23-SEC-308	Dairy Processing		
		B23-SEC-209	Guitar Playing	B23-SEC-309	Anuvad Kala		
		B23-SEC-210	Light Vocal Music	B23-SEC-310	Communication in Professional Life		
		B23-SEC-211	Tabla Playing	B23-SEC-311	Report Writing		
		B23-SEC-212	Integrating Marketing Communications	B23-SEC-312	Kathak Dance		
		B23-SEC-213	Miniature Painting	B23-SEC-313	Classical Singing		
		B23-SEC-214	Business Communication	B23-SEC-314	Haryanvi Dance		
		B23-SEC-215	Food Waste and By-Product Utilization	B23-SEC-315	Computer Aided Accountancy		

Year	Job Role	Skill Competency	Graduate Attributes	Quality Pack Source / SSC	NSQF Course	QP Code	NSQF Level
Year 1	Junior Accounts Executive / Bookkeeper	managing daybook transaction records, configuring ledgers, inventory basics, voucher entry, Excel logs	Analytical reasoning, digital fluency, ethical recordkeeping	BSBLIT / ITITeS SSC	Computer Applications & Business Accounting Associate	CSC/Q1301	4.5
Year 2	Accounts Assistant / GST Executive	GST computation, ITC reconciliation, Easy bill, filing compliance, advanced Excel	Regulatory literacy, quantitative analysis, compliance ethics	BFSI Sector Skill Council	Accounts Executive (AP/AR) + GST Assistant	BSC/Q0301 & BSC/Q0102	5.0
Year 3	Financial Analyst / Audit Associate	SAP FICO navigation, BI dashboards, variance analysis, audit readiness	Data-driven decision-making, ethical audit behaviour	BFSI & Management SSC	Equity Dealer / Junior Finance Associate	BSC/Q0201 & BSC/Q1104	5.5

Year	Job Role	Exit Competency	Graduate Attributes	Quality Pack Source / SSC	NSQF Course	QP Code	NSQF Level
Year 1	Junior Software Developer	clean scripting, frontend interfaces	Computational thinking, coding discipline	ITITeS Sector Skill Council (NASSCOM)	Junior Software Developer	SSC/Q0508	4.5
Year 2	Associate Data Analyst / IoT Assistant	IoT devices, sensors, SQL logging	Analytical reasoning, experimentation skills	NASSCOM + NIELIT	AI – Data Quality Analyst / IoT Assistant	SSC/Q8101 / QG03T00344	5.0
Year 3	Software Engineer / AI Associate	ML modelling, productiongrade code	Algorithmic reasoning, ethical AI behaviour	ITITeS Sector Skill Council	Software Products Engineer / Data Scientist	SSC/Q6701 / SSC/Q8102	5.5

Skill Development Centers

Established Centers: Several skill development centers have been established.

Centre for Continuing Education

The Centre for Continuing Education is also among the established centers.

Corporate Resource Centre

The Corporate Resource Centre is one of the established centers.

Centre for Communication Skills and career counselling

Centre for Sports

A dedicated Centre for Sports has been established.

Centre for excellence in AI tools

Centre for Drone Technology and EV

Year	Job Role	Exit Competency	Graduate Attributes	Quality Pack Source / SSC	NSQF Course	QP Code	NSQF Level
Year 1	Junior Accounts Executive / Bookkeeper	managing daybooks, transaction records, configuring ledgers, inventory basics, voucher entry, Excel logs	Analytical reasoning, digital fluency, ethical recordkeeping	NIELIT / IITTech SSC	Computer Applications& Business Accounting Associate	QG04T00000	4.5
Year 2	Accounts Assistant/GST Executive	GST computation, ITC reconciliation, Busy/Tally, Filing compliance, advanced Excel	Regulatory literacy, quantitative analysis, compliance ethics	BFSI Sector SkillCouncil	Accounts Executive (AP/AR) + GST Assistant	BSC/Q0901 & BSC/Q8102	5.0
Year 3	Financial Analyst / Audit Associate	SAP FICO navigation ,BI dashboards, variance analysis,audit readiness	Data-driven decisionmaking, ethical audit behaviour	BFSI & Management SSC	Equity Dealer / Junior Finance Associate	BSC/Q0201 & BSC/Q1104	5.5

Skill Development Centers

Skill Development Centre

The Centre for Skill Development focuses on enhancing various skills.

Centre for Entrepreneurship

The Centre for Entrepreneurship supports aspiring business owners.

KUTIC

The Kurukshetra University Technology Incubation Centre (KUTIC) fosters technological innovation.

Community Incubation Centre

A Community Incubation Centre is also part of the established network.

Plans

Credit-based Life Skills

Introducing credit-based life skill courses in UG/PG Programmes.

Curriculum Updates

Curriculum updates based on industry feedback to bridge market gaps.

Skill Certification Programs

Skill certification programs compliment SECs.

Advanced Skill Modules

Introduce skill modules under SECs.

03

SEC job roles and corresponding NSQF levels

University Skilling Policy



University Skilling Policy

University skilling policy: NEP, UGC, courses, internships.



Course Redesign Micro-credentials

Course redesign, micro-credentials for job skills alignment.

The Learner Skill Pathway at a Glance

A synthesized view mapping student actions to institutional interventions across all four stages.

	Stage 1 (Discovery)	Stage 2 (Development)	Stage 3 (Application)	Stage 4 (Certification)
Primary Goal	Baseline Aptitude	Sector Specialization	Hands-on Immersion	Market Transition
Key Student Action	Talent mapping & Foundational courses	Pathway selection & SWAYAM	Micro-internships & Advanced courses	Capstone & Skill Audit
Institutional Support	Career counselling	Specialized workshops	Incubation & EWL	Skill Passport & Mock Interviews

Pathway-

1. Identify the skill based careers in different fields

2. Design SEC courses to impart these skills and assign NSQF levels to these courses

3. Design VOC aligned to these skills in prograssion and assign NSQF levels

4. Make a complete package targeting career options to develop University brand in that area

5. Invite people from industry/artists/field/technical experts to impart experiential learning

Future Initiatives

MoUs with Institutions

Skill-based Programs NQR

Launch more skill programs. Register with NQR.

CCLSD & SECs



04

Industry Linkage Skill Development

AEDP Initiatives



New Programmes

Four Apprenticeship embedded Degree Programmes started in 2025-26.



Programme List

B.Com. (Professional), BMS (Event Management), BCA (Industry Linked), B.VOC (MLT).



Programme Growth

The number of AEDP programmes offered increased to 11 in 2026-27.

Courses Introduced in 2026-27

- B.Sc (Semiconductor Electronics &Information Technology)
- B.Voc. Environment Science and Sustainability
- B.Sc Data Science
- B.Sc Geology Professional
- B.Voc Industrial Biochemistry
- B.Sc Business &Economic Analytic
- B.Sc Roboticsand Automation

Industry Linkages



Apprenticeship MOU

MOU signed with BOAT for industrial apprenticeships.

The students will get Rs 12800/ month during the period of apprenticeship

Global MOUs

University has 14 functional MOUs with foreign institutions/industries for training.



Plans

AEDP Programmes

To offer more AEDP programmes
To convert existing programmes to AEDP.

Student Target

1,000 students. Cumulative capacity.
New programmes.

Partnerships

MOUs signed with agencies, industries to implement programmes. 50 MoUs in one year.

05

University Innovative Mechanisms

Skilling Students in HEIs

- 1.Skiling Policy and guidelines to map with NQR are designed.
- Students are given chance to sharpen their skills and earn some amount under the scheme "Earn While Learn"

University Reaching Community for skilling

2.to widen the reach of skilling to people in villages especially women. Two types of Free Skilling centres are established in villages near Kurukshetra University.

IFree Tailoring and Embroidery Centres

Free Computer training centres

About 1000 girl and youth are trained in 15 villages

Skilling to entreprenurship

- Students are skilled to be employment generators in future
- In the fairs like Ratanawali anf Geeta Jyanti, students own the stalls and offer the materials prepared as per their trainings and skills for sale -like food, snacks, artifacts, paintings, handicraft items etc. and earn handsome amounts along with getting in field experience of entreprenurship

Skilling and Incubating Start ups

At present, 18 startups are registered.

A number of startups incubated in incubation centres are launching their producta in market.

The startups have launched products like- Home automation, Nutritional Backery, Organic fertilizers, Home stay etc.


Thanks


HARYANA STATE HIGHER EDUCATION COUNCIL
Follow-up Workshop
Skill-based Courses & Micro-credentials in Higher Education
Institutional Presentation
Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonipat
Haryana's only State Women's University · NEP 2020 · NCrF · NSQF aligned
24 July 2026 · Shri Vishwakarma Skill University, Gudhela, Palwal
In reference to Letter No. 12/26-2025-Proj.M/HSHEC dated 01.07.2026
SKILL ECOSYSTEM AT A GLANCE
25 Teaching Departments
02 Constituent Institutes
02 Regional Centres
06 Affiliated Colleges
35 academic units reporting


1 Integrating Skill-based Courses & Micro-credentials
Best practices — how skill courses have been mainstreamed into the regular degree structure
1 Curricular Embedding
SECs are built into the core scheme of every UG programme under NEP 2020, alongside disciplinary courses — not offered as add-ons.
2 Credit-Bearing Recognition
Every skill course carries defined credits and marks, transparently recorded in the student's detailed marksheet as a verifiable, portable record.
3 Stackable & Modular Design
Multiple Entry-Multiple Exit is operational: e.g. exit after year one of M.A. Psychology with a Post Graduate Diploma.
4 Experiential Learning
Competencies grounded in field visits, practicums, live projects, moot courts, community engagement, pilot studies and credit-bearing internships.
5 Competency-Based Assessment
Evaluation is performance-oriented — practicals, field reports, presentations, project work and viva-voce, not written papers alone.
6 Framework Alignment
Course Outcomes mapped to NEP 2020, NCrF, NSQF and UGC norms, with BoS review in consultation with industry experts and alumni.


2 Skill Enhancement Courses Offered to Affiliated Colleges
A University-approved SEC pool, adapted in toto by Regional Centres, constituent institutes and affiliated colleges
Digital & IT
Office & Spreadsheet Tools · Web Designing & Development · Fundamentals of C Programming · Advanced IT Skills & Presentation Tools · Cyber Security · Computer Aided Cartography
Commerce & Finance
Accounting through Tally · Financial Literacy · IT Return Filing · Digital Marketing · Stock Market Operations · Business Communication
Language & Communication
Translation (English–Hindi) · Kanyalagi Hindi · Hindi Patkatha Lekhan · Hindi Rangmanch · Samprechan Kaushal · Proficiency in German / French / Russian
Quantitative & Analytical
Vedic Geometry · Vedic Mathematics · Calculation Skills with Vedic Mathematics · Logical Mathematics · Aptitude & Reasoning · Analytical Reasoning
Green & Sustainability
Waste Management Techniques · Renewable Energy Sources · Environment, Energy & Safety Audit · Solid Waste Management · Chemistry in Daily Life
Personal Effectiveness
Personality Development & Life Skills · Yog evam Vyaktitva Vikas · Nutrition for Holistic Health · Field Visit (credit-bearing)
DELIVERY MODEL
Colleges and Regional Centres follow the University scheme and syllabus in toto, ensuring uniform standards.
SECs run across Semesters I–IV of the UG programmes.
Departments may propose contemporary SECs to local need, with BoS approval.
REPORTING COLLEGES
G.C.W. Sonipat
G.C.W. Mohana, Sonipat
G.C.W. Gohana, Sonipat
T.D.L.P.G.G.C.W. Murthal
G.C.W. Madlauda, Panipat
Arya Adarsh Girls College, Madlauda

3 SEC Job Roles and Corresponding NSQF Levels

Indicative mapping of Skill Enhancement Courses to job roles across NSQF Levels 3 to 8

Skill Enhancement Course	Indicative Job Role	NSQF
Office & Spreadsheet Tools	Data Entry Operator · Office Assistant · IT Assistant	3 – 4
Accounting through Tally	Tally Operator · Junior Accountant · GST Assistant	4 – 5
IT Return Filing	Tax Return Executive · Accounts Assistant	5
Digital Marketing	Digital Marketing Executive · SEO / Social Media Executive	5
Business Communication	Front Office Executive · Customer Relationship Executive	4 – 6
Waste Management / Solid Waste Mgmt.	Waste Plant Supervisor · Environmental Laboratory Technician	4 – 5
Renewable Energy Sources	Solar PV Installer · Solar Project Specialist · Project Manager	3 – 7
Fashion Technology practicals	Sampling Tailor · Merchandiser · CAD Operator · Fashion Designer	4 – 7
Geoinformatics, RS & GIS	GIS Technician · GIS Analyst · Surveyor · Demographer	4 – 7
Food & Nutrition (QP-coded modules)	Dietetic Aide · Health & Wellness Coach · Sports Nutritionist	3 – 8
PG skill components & Internships	Counsellor · Field Investigator · Trained Graduate Teacher · Teacher Educator	6.5 – 8

3 → 8

NSQF levels covered by the university's SEC basket

A NOTE ON LEVELLING

The NSQF level of an SEC follows from its learning outcomes across the four NSQF domains — knowledge, skills, aptitude, responsibility and autonomy — and not from its nomenclature.

Formal recognition of a job role additionally requires a Qualification Pack and the underlying National Occupational Standards, ordinarily approved through the relevant Sector Skill Council.

The mapping above is therefore indicative and is being progressively formalised.

4 Industry Linkage, Apprenticeship, Employability & RPL

Initiatives, including future-oriented skilling, that connect academic preparation to professional practice

1 Industry Linkage	MoUs with Semiconductor Laboratory (SCL) and Embedded Electronics · HARTRON (G.C.W. Gohana, G.C.W. Madlauda) · CIPET (T.D.L. Marthal) · Bharat Biotech Pvt. Ltd., Gurugram (G.C.W. Mohana) · Aravali Kisan Club (R.C. Rewari). Industry experts sit on UG and PG Boards of Studies.
2 Apprenticeship Integration	Credit-bearing internships embedded in the curriculum: 4-week / 4-credit internship in M.A. Psychology (MAP 207 & 407); six-month internship in ECE; mandatory hospital and food-industry internship in Food & Nutrition; one-year compulsory rotatory internship in BAMS; mandatory training in the 4th and final years of B.A.LL.B. and B.B.A.LL.B.; school internship in ITEP and B.Ed.
3 Employability Enhancement	University Training & Placement Cell supported by departmental Placement and Career Guidance Cells. Aptitude, reasoning and communication training scheduled within the academic timetable; resume and LinkedIn workshops, mock interviews, pre-placement talks, hackathons, coding competitions and campus recruitment drives.
4 Recognition of Prior Learning	Flexible credit-based pathways under the NCrF with Multiple Entry–Multiple Exit, including exit with a Post Graduate Diploma after the first year, allow competencies gained through earlier learning and practical engagement to be recognised and built upon. A formal, university-wide RPL mechanism is under development.
5 Future-Oriented Skill Development	AI/ML, Data Science, Cyber Security, Cloud Computing, IoT, Blockchain and DevOps in engineering; Nutrigenomics and AI in personalised nutrition; geospatial certification through NARSAC, ISRO and IIRS; green skills, entrepreneurship and micro-credentials via SWAYAM, NPTEL, Microsoft Learn and Cisco Networking Academy.

5 Innovative Institutional Mechanisms & Frameworks

Structures developed by the University to sustain and govern skill-based education

University-Approved SEC Pool

A common, quality-assured basket from which every department, Regional Centre and affiliated college draws, ensuring uniform academic standards.

Decentralised Curriculum Development

Departments and Centres may introduce contemporary skill courses to meet local socio-economic need, with the approval of competent academic bodies.

Outcome-Based Skill Education Framework

Every SEC carries defined Course Outcomes, practical learning outcomes and employability competencies, assessed through demonstrated performance.

Structured Mentor–Mentee System

Each student is guided by a faculty mentor for academic progress, career pathway selection and higher-education counselling.

Centre for Innovation, Incubation & Entrepreneurship

Incubation support, business-plan competitions and entrepreneur interaction, promoting self-employment and women-led enterprise.

IQAC-led Continuous Quality Assurance

IQAC, Boards of Studies and the Academic Council review SEC effectiveness using student, alumni, employer and graduate-outcome feedback.

WAY FORWARD

Expand the NCrF-aligned SEC basket · Introduce digital badges and credit-based certification with Sector Skill Councils · Move towards apprenticeship-embedded degree programmes · Establish a formal university-wide RPL mechanism · Strengthen green skills, AI competencies and women-centric livelihood pathways

Skill-based Courses & Micro Credentials in Higher Education



Chaudhary Bansi Lal University
Prem Nagar, Bhiwani-127031, Haryana

Best Practices for Integrating and Implementing Skill-based Courses & Micro-Credentials

- NEP-2020 implementation focused on **employability** and **multidisciplinary** learning.
- Integration of **SECs**, VACs, AECs & MDCs across all UG Programmes and 2 Credit EEC Couse in PG Programmes.
- Adoption of LoCF for flexible learning pathways for students.
- **Industry-academia engagement** through guest lectures, workshops, seminars, and hands-on training.
- **Experiential learning** through projects, internships, fieldwork, and skill-based activities.
- Continuous curriculum revision through Boards of Studies with **industry participation**.
- Development of **Laboratories** with **Industry Collaboration** and **Promotion of Industry-Integrated Academic Programmes.**
- Implementation of Outcome-Based Skill Development Programmes in **Geospatial Technology, Artificial Intelligence (AI), Machine Learning (ML),** Communication, Entrepreneurship, and Problem-Solving Skills

CBLU, Bhiwani

Skill Enhancement Courses (SECs) Offered to Affiliated Colleges

Dec – 2025

NSQF Level 4.5-5.3 @ 3 Credits

Course	Semester	Students
Advance IT Skills	3rd	3511
Advance Spreadsheet Tools	1st	7
Analytical Chemistry-1	3rd	105
ARCHIVES KEEPING	3rd	65
Basic IT Tools	1st	7486
Business Etiquettes	3rd	425
Calculation skills with Vedic Mathematics-II	3rd	86
Computational Skills in Physics	1st	221
Computer Applications in Management	1st	324
Computer for Chemist	1st	270
Digital Cartography	1st	314
English at the workplace	3rd	1409
English for Competitive Exams	1st	1266
Essentials of Python	1st	84
FUNDAMENTALS OF WEB	1st	58
Geographic Information System (GIS)	3rd	73
Hands on Training on Drone	1st	12
Herbal Technology	3rd	34
Internship	3rd	41
IT for Spatial Science	1st	15
Microtomy	3rd	91
Office and Spreadsheet Tools Learning	1st	253
Practical-Other Activity (Aerobics)	3rd	82
Practical-Other Activity (Mass P.T. and March Past)	1st	116
Quantitative Aptitude	3rd	116
Radiation Safety	3rd	283
Self Defence Techniques	1st	409
Thematic Mapping	3rd	360
अनुवाद कला	3rd	1347
Grand Total		16823

CBLU, Bhiwani

Skill Enhancement Courses (SECs) Offered to Affiliated Colleges

May – 2026

NSQF Level 5.0 (3 Credits)

Course	Semester	Students
Basic Instrumentation Skills	2nd	334
Calculation Skills with Vedic Mathematics-I	2nd	28
Chemistry of Food, Flavors and Colorants	2nd	71
Cloud Computing Skills	2nd	3119
COMMUNICATION AND SOFT SKILLS	2nd	39
Essentials of Corporate Communication	2nd	418
Front End Engineering	2nd	58
Internet and Web Technologies	2nd	438
IT Skills in Economics	2nd	115
Map Making Techniques	2nd	174
Numerical Ability Enhancement Skills	2nd	563
Office and Spreadsheet Tools Learning	2nd	1320
Organic Farming	2nd	95
Personality Development and Leadership	2nd	1630
PRACTICAL-OTHER ACTIVITY (DUMBLES, LAZIUM, TIPPRI)	2nd	108
Public Speaking in Hindi Language & Leadership	2nd	50
Remote Sensing	2nd	49
Soft Skills	2nd	1056
Techniques in Bird Watching	2nd	86
सृजनात्मक लेखन	2nd	843
Grand Total		10594

Courses Opted: 49
Student Enrolment: 29,417

CBLU, Bhiwani

Skill Based Diploma Courses in UTD

NSQF Level 6.5 (40-42 Credits)	
Diploma Courses	**Student Admitted (2025-26)**
Advanced PG Diploma in Guidance And Counselling	32
Diploma in Cyber Security and Ethical Hacking	16
Diploma in Digital Forensic Investigation	15
Diploma in French Language	34
Diploma in Gym Trainer	20
Diploma in Performing and Visual Arts (Dance)	12
Diploma in Performing and Visual Arts (Music)	15
Diploma in Performing and Visual Arts (Singing)	11
Diploma in Performing and Visual Arts (Theatre)	16
PG Diploma in Drone Technology	30
PG Diploma in Journalism & Mass Communication	11
PG Diploma in Social Work	37
PG Diploma in Sports Management	19
PG Diploma in Sports Psychology	18
PG Diploma in Translation Hindi/English	31
Total	**317**

2025-26
Total Courses : 15
Student Admitted: 317

2026-27
Total Courses : 25

CBLU, Bhiwani

Initiatives for Industry Linkages, Apprenticeship Integration & Employability

Functional MoU with Industry

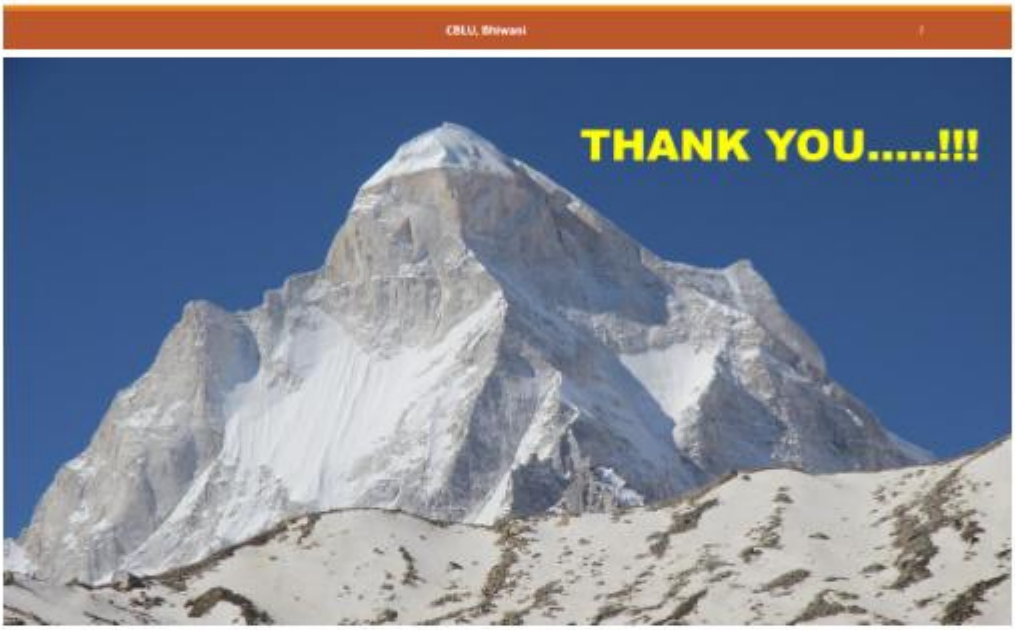
S. No.	Department / Unit	MoU Partner	Purpose / Theme
1	Fashion Designing	Dharmesh Industries	Faculty development, industry-academia interaction, training programmes, skill enhancement, curriculum support and collaborative academic activities.
2	Management	Federation of Indian Industry (FII)	Promotion of innovations and industry–academia interaction.
3	Geography	NIGMT Foundation Delhi	Industry-integrated education, Geospatial Technology, internships, placement support, skill development, assessment and curriculum enhancement.
4	Industry Collaboration	CodeQuotient Pvt. Ltd.	Industry-integrated education, coding ecosystem, internships, placement support, skill development, assessment and curriculum enhancement.
5	National Apprenticeship Training Scheme (NATS)	NATS	Promotion of apprenticeships, employability, industry exposure, student internships and skill development.
6	CBLU Employment Support Centre	स्वदेशी स्वावलम्बन-न्यास	उद्यमिता, प्रशिक्षण, कौशल विकास, रोजगार, युवाओं का स्वावलंबन, शैक्षणिक शोध एवं परस्पर सहयोग।
7	Library	DELNET (Developing Library Network)	Resource sharing and access to library databases, books, journals and other academic information services.
8	Employment Support Centre	AISECT	Internship opportunities for students.
9	CBLU	Board of Apprenticeship Training (Northern Region), Kanpur	Integration of apprenticeship under NATS as the industrial training component of degree programmes.

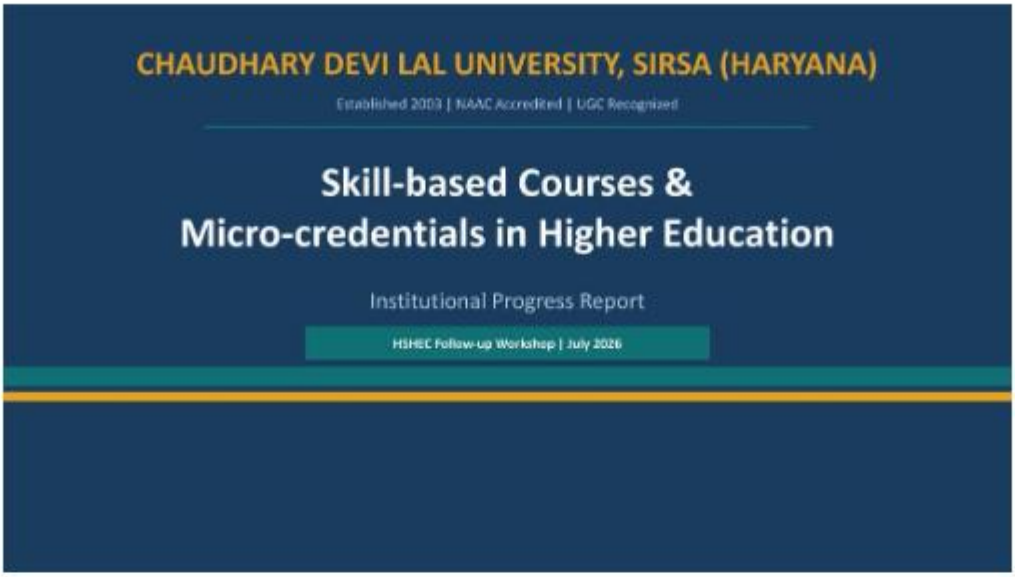
CBLU, Bhiwani

Initiatives for Industry Linkages, Apprenticeship Integration & Employability

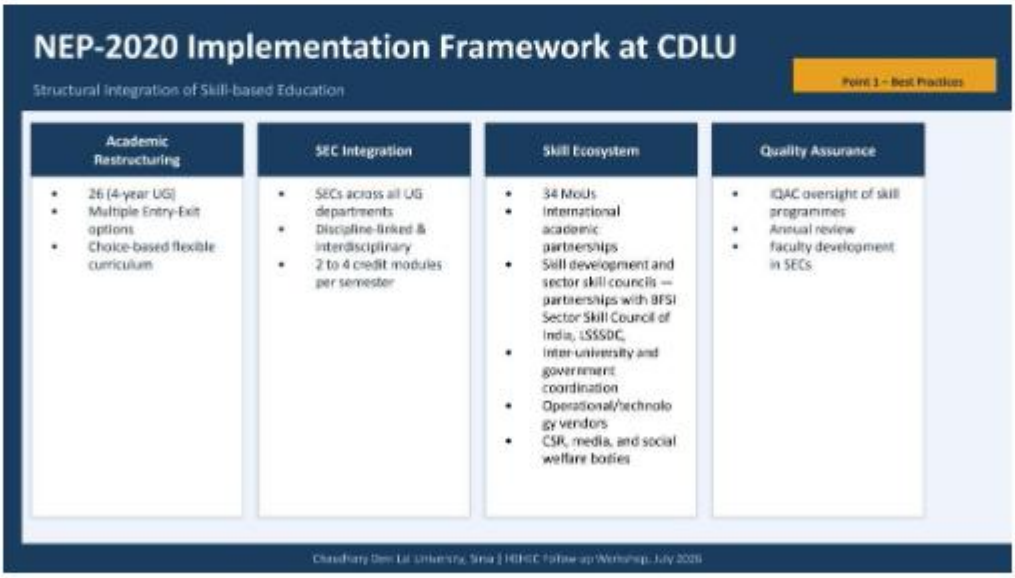
Industry-Integrated Academic Programme

Programme	Department	Industry Partner
M.Sc. Geoinformatics	Department of Geography	NIGMT Foundation, New Delhi
PG Diploma in Drone Technology	Department of Geography	NIGMT Foundation, New Delhi
B.C.A. (Artificial Intelligence and Cloud Computing)	Department of ICT	Code Quotient Pvt. Ltd., Punjab




CHAUDHARY DEVI LAL UNIVERSITY, SIRSA (HARYANA)
Established 2003 | NAAC Accredited | UGC Recognized
Skill-based Courses &
Micro-credentials in Higher Education
Institutional Progress Report
HSHEC Follow-up Workshop | July 2026


University at a Glance
Chaudhary Devi Lal University, Sirsa
2003
Year Established
213
Acres Campus
62
Affiliated Colleges
42000+
Students Enrolled
29
Academic Depts.
Key Recognitions & Highlights
Recognized by UGC, AICTE, NCTE & BCI | NAAC Accredited 'B' Grade
Programs in Engineering, Management, Law, Sciences, Humanities, Education, Journalism & more
University–Industry Cell | Dedicated Placement Cell | Career Counselling Centre
Active MoUs with Industry | Skill Development & Apprenticeship Initiatives aligned with NEP-2020


NEP-2020 Implementation Framework at CDLU
Structural Integration of Skill-based Education
Point 1 – Best Practices
Academic Restructuring
26 (4-year UG)
Multiple Entry-Exit options
Choice-based flexible curriculum
SEC Integration
SECs across all UG departments
Discipline-linked & interdisciplinary
2 to 4 credit modules per semester
Skill Ecosystem
34 MoUs
International academic partnerships
Skill development and sector skill councils — partnerships with BFSI Sector Skill Council of India, LSSSDC,
Inter-university and government coordination
Operational/technology vendors
CSR, media, and social welfare bodies
Quality Assurance
IQAC oversight of skill programmes
Annual review
Faculty development in SECs

Best Practices: Skill-based Courses & Micro-credentials

Point 1 | Institutional Innovations

Point 1 – Best Practices

Curriculum Innovation

- NEP-2020 compliant 3-year & 4-year UG curriculum implemented from 2024-25
- Skill Enhancement Courses (SECs) embedded in every semester
- Interdisciplinary minor course options introduced across departments

Pedagogy & Delivery

- Blended learning model — classroom + lab + field exposure
- Industry expert guest lectures integrated into SEC syllabi
- AI & Emerging Tech awareness sessions for students (Jan 2026)

Student Outcomes

- Top recruiters: Wipro, HDFC Bank, Axis Bank
- Career counselling and profile-building workshops (Cue Clarity, Jan 2026)
- Alumni mentorship network supporting career transitions

Institutional Mechanisms

- Annual curriculum review with stakeholder feedback
- Nodal Officer system for NEP-2020 coordination across departments

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Skill Enhancement Courses (SECs) Offered to Affiliated Colleges

Point 2 | Course Portfolio

Point 2 – SEC Details

Department / Stream	SEC Course Title	Semester	Credits	Mode of Delivery
Economics	Business Communication & Soft Skills	I/II	2	Classroom + Online
Economics	Data Analysis & Financial Literacy	III/IV	2	Classroom + Lab
Biotechnology	Life Science Skill Certificate (LSSSDC)	III	4	Lab + Industry
Computer Sci./BCA	Digital Literacy & Cyber Awareness	I	2	Online + Practical
Commerce / B.Com	Tally & Accounting Software	III/IV	2	Lab-based
Management/BBA	Entrepreneurship & Business Plan Dev.	V	2	Project-based
Journalism (BMMJ)	Media Production & Digital Content	III/IV	2	Studio + Online
Law (BA-LLB)	Legal Drafting & Communication Skills	III	2	Classroom
Physical Education	Sports Coaching & First Aid	I/II	2	Practical
General (All UG)	Environmental Studies & Sustainability	I	2	Blended

* Actual course list to be confirmed/supplemented by DMS and respective departments. Data shared represents current NEP-2020 framework-based offerings.

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SEC Job Roles & Corresponding NSQF Levels

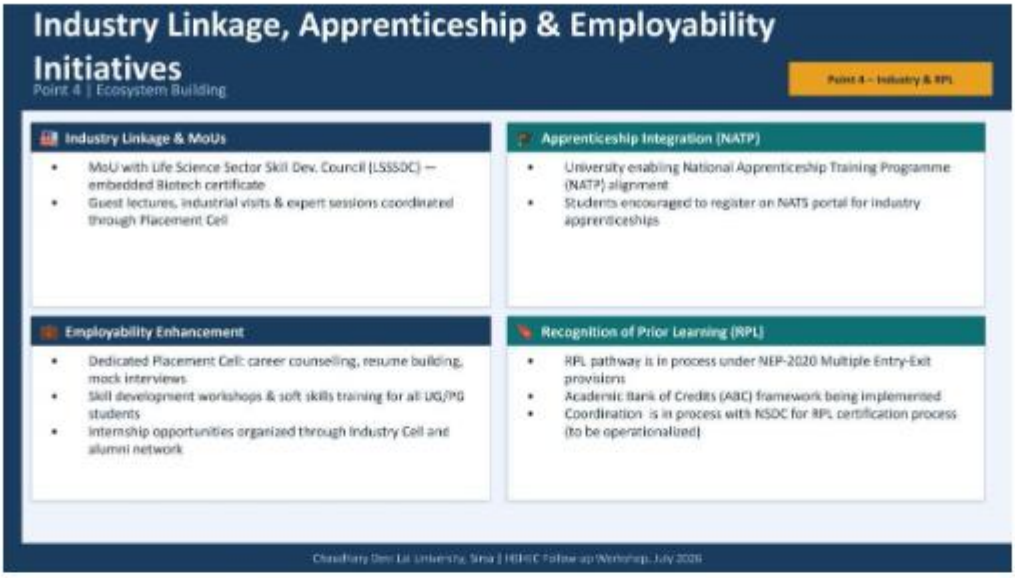
Point 3 | National Skills Qualifications Framework Mapping

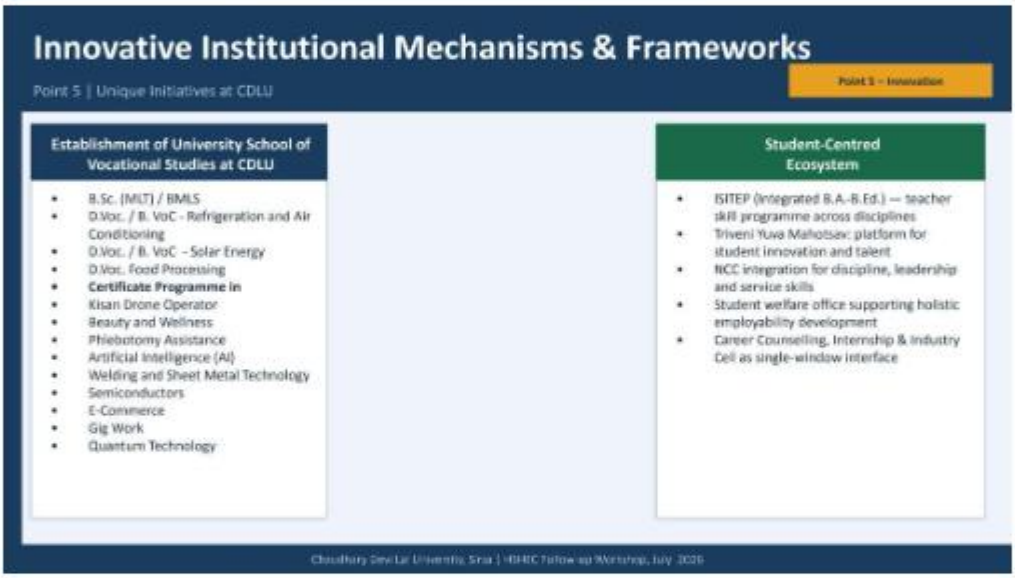
Point 3 – NSQF Levels

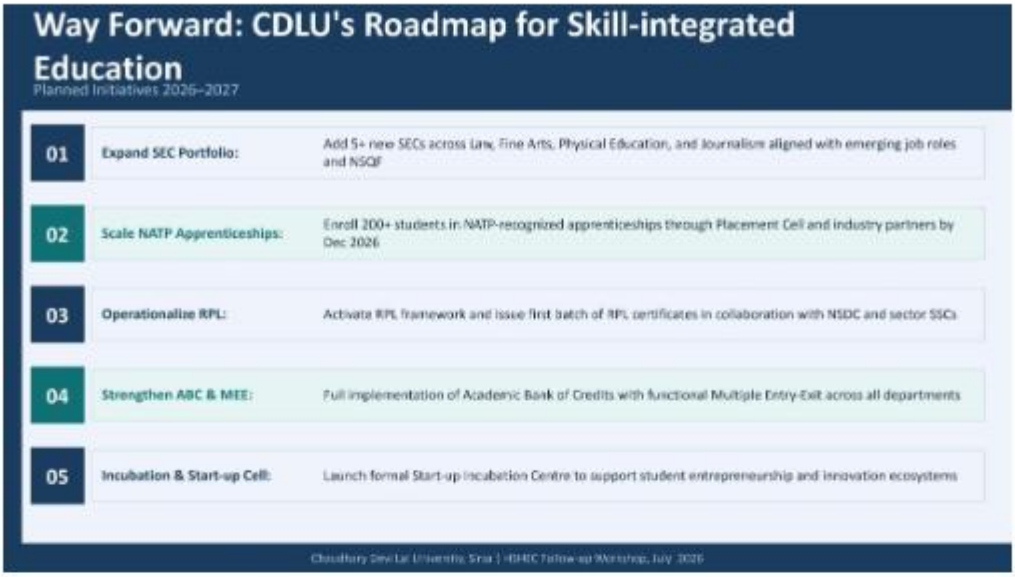
SEC Course	Primary Job Role	Sector Skill Council	NSQF Level	QP Code (Indicative)
Life Science Skill Cert.	Lab Technician / Biotech Asst.	LSSSDC	Level 4	LSC/Q1401
Digital Literacy & Cyber	IT Support Associate	NASSCOM (SSC NASSCOM)	Level 3	SSC/Q0108
Tally & Accounting Software	Accounts Assistant	BFSI SSC	Level 4	BSC/Q0901
Business Comm. & Soft Skills	Customer Service Executive	BFSI / MESC	Level 3	MES/Q2601
Data Analysis & Fin. Lit.	Finance / Data Analyst (Jr.)	BFSI SSC	Level 5	BSC/Q1001
Entrepreneurship & BPD	Junior Entrepreneur / Start-up	Entrepreneurship India	Level 5	EI/Q0101
Media Prod. & Dig. Content	Digital Content Creator	MESC	Level 4	MES/Q1001
Legal Drafting & Comm.	Legal / Para-legal Assistant	Domestic Workers SSC	Level 4	DWC/Q0201
Sports Coaching & First Aid	Sports Coach / First Responder	Sports SSC	Level 4	SPT/Q0401
Env. Studies & Sustain.	Environment Steward / Analyst	Green Jobs SSC	Level 3	GJS/Q0101

NSQF Levels: 3 = Semi-skilled | 4 = Skilled | 5 = Supervisory/Technician. * QP codes are indicative; exact codes to be confirmed with respective SSCs.

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Industry Linkage, Apprenticeship & Employability Initiatives
Point 4 | Ecosystem Building
Point 4 – Industry & RPL
Industry Linkage & MoUs
MoU with Life Science Sector Skill Dev. Council (LSSSDC) — embedded Biotech certificate
Guest lectures, industrial visits & expert sessions coordinated through Placement Cell
Apprenticeship Integration (NATP)
University enabling National Apprenticeship Training Programme (NATP) alignment
Students encouraged to register on NATS portal for industry apprenticeships
Employability Enhancement
Dedicated Placement Cell: career counselling, resume building, mock interviews
Skill development workshops & soft skills training for all UG/PG students
Internship opportunities organized through Industry Cell and alumni network
Recognition of Prior Learning (RPL)
RPL pathway is in process under NEP-2020 Multiple Entry-Exit provisions
Academic Bank of Credits (ABC) framework being implemented
Coordination is in process with NSDC for RPL certification process (to be operationalized)


Innovative Institutional Mechanisms & Frameworks
Point 5 | Unique Initiatives at CDLU
Point 5 – Innovation
Establishment of University School of Vocational Studies at CDLU
B.Sc. (MLT) / BMLS
D.Voc. / B. VoC - Refrigeration and Air Conditioning
D.Voc. / B. VoC – Solar Energy
D.Voc. Food Processing
Certificate Programme in
Kisan Drone Operator
Beauty and Wellness
Phlebotomy Assistance
Artificial Intelligence (AI)
Welding and Sheet Metal Technology
Semiconductors
E-Commerce
Gig Work
Quantum Technology
Student-Centred Ecosystem
ISITEP (Integrated B.A.-B.Ed.) — teacher skill programme across disciplines
Triveni Yuva Mahotsav: platform for student innovation and talent
NCC integration for discipline, leadership and service skills
Student welfare office supporting holistic employability development
Career Counselling, Internship & Industry Cell as single-window interface


Way Forward: CDLU's Roadmap for Skill-integrated Education
Planned Initiatives 2026–2027
01
Expand SEC Portfolio:
Add 5+ new SECs across Law, Fine Arts, Physical Education, and Journalism aligned with emerging job roles and NSQF
02
Scale NATP Apprenticeships:
Enroll 200+ students in NATP-recognized apprenticeships through Placement Cell and industry partners by Dec 2026
03
Operationalise RPL:
Activate RPL framework and issue first batch of RPL certificates in collaboration with NSDC and sector SSCs
04
Strengthen ABC & MEE:
Full implementation of Academic Bank of Credits with functional Multiple Entry-Exit across all departments
05
Incubation & Start-up Cell:
Launch formal Start-up Incubation Centre to support student entrepreneurship and innovation ecosystems


Thank You
Chaudhary Devi Lal University, Sirsa



Skill-Based Courses & Micro-credentials in Higher Education

Prof. Anand Kumar
Department of Physics
Chaudhary Ranbir Singh University, Jind

1. Best practices adopted for Integrating and implementing skill-based courses and micro-credentials in mainstream higher education

Best practices adopted for Integrating and implementing skill-based courses

1. Curriculum Integration
2. Industry-Academic Collaboration
3. Digital Learning and Micro-credentials
4. Assessment and Certification
5. Flexible Credit–based System
6. Skill Development Cell
7. Training and Placement Cell
8. Faculty Development Program
9. Monitoring and Evaluation

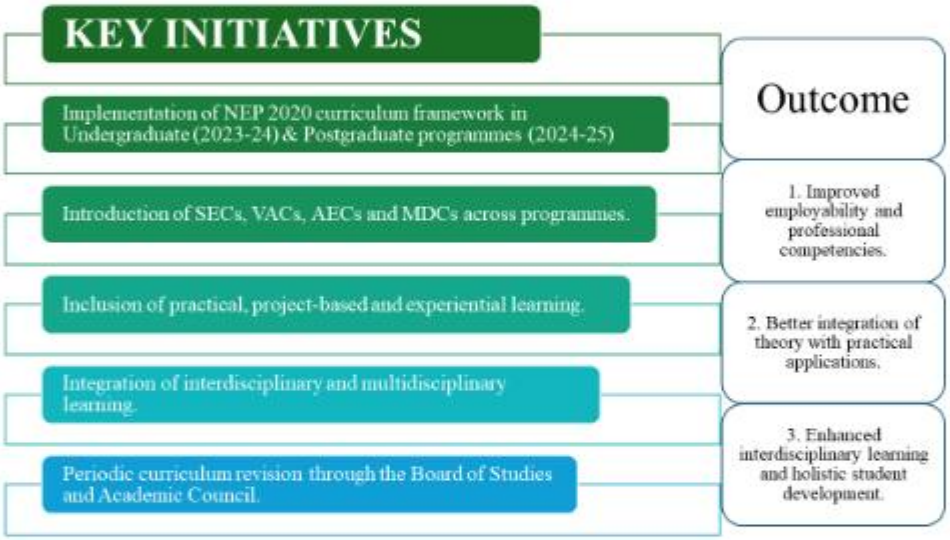


Curriculum Integration

CRSU has adopted a learner-centric and multidisciplinary curriculum framework in accordance with the National Education Policy (NEP) 2020 by integrating Skill Enhancement Courses (SECs), Ability Enhancement Courses (AECs), Value-Added Courses (VACs), and Multidisciplinary Courses (MDCs) into undergraduate and postgraduate programmes.

Motive

The curriculum is designed to bridge the gap between academic knowledge and industry requirements by embedding employability, entrepreneurship, digital literacy, communication skills, environmental sustainability, and professional ethics within mainstream education.

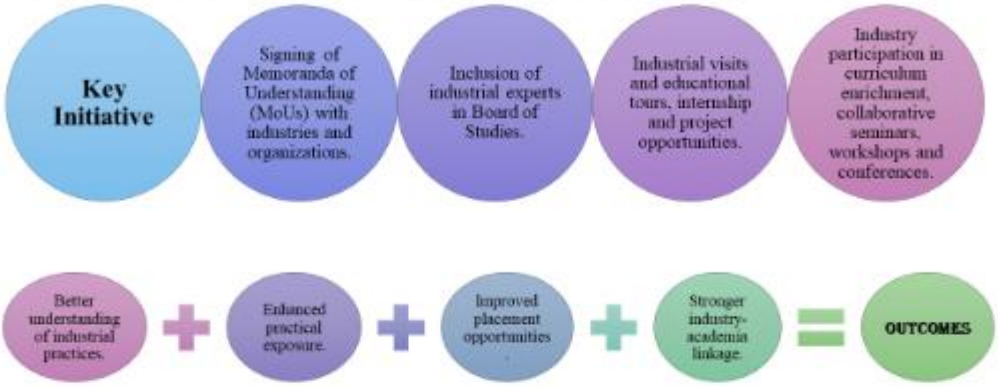


Skill Enhancement Courses (SEC)

- Skill Enhancement Courses are integrated into the curriculum to **develop practical competencies, technical expertise, communication skills, and entrepreneurial abilities**.
- These courses are aligned with the objectives of NEP 2020 and aim to **prepare students for higher education, employment, and self-employment.**
- About **78 Skill Enhancement Courses, 48 Value Added Courses and 91 Multidisciplinary Courses** have been adopted in University Teaching Departments and affiliated colleges within CRSU, Jind.
- **Major Skill areas include**: Digital Literacy, Communication Skills, ICT Applications, Entrepreneurship, Economic Development, Environmental Sustainability, Financial Literacy, Personality Development, Data Analytics, Python Programming, Applied Instrumentation, Electrical Circuits & Measurement Techniques, Waste management and Food Analytic Techniques labs maintenance and handling, Fine art, and other skills etc.

Industry–Academia Collaboration

CRSU promotes strong industry–academia collaboration to ensure that academic programmes remain relevant to current industrial practices and emerging technologies.



1. Existing MoU's (Currently CRSU has 04 exiting MoUs)

- MG Education and Social Development Organization (Valid from 06.11.2025 to 05.11.2026)
- MoU between Department of Education, CRSU, Jind and Mind Q Institute, Jind (Valid from 27-05-2026 to 26-05-2028)
- CBS Pacific Hong Kong Ltd (Valid from 20-02-2026 to 19-02-2029)
- Prof. Armando J.L. Pombeiro, Dr. Brij Mohan (Valid from 18-02-2026 to 17-02-2029)

2. Processing MoUs (06 MoUs are in process)

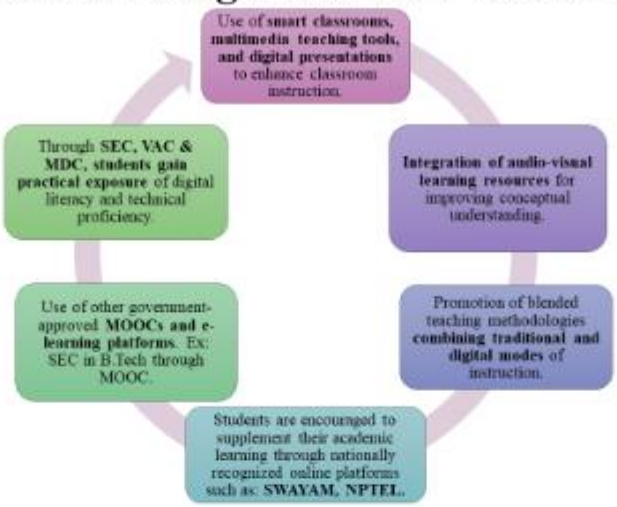
- MoU with Agastya International Foundation
- Proposal for MoU with RuPay Trading.
- MoU in the field of Cyber Security.
- MoU between Department of Chemistry, CRSU Jind and CBLU, Bhiwani
- Vocational Training Programme/short courses for Jail Inmates MoU with Department of Hotel Management
- HKCL Request Coordinator NEP under discussion.

3. Expired/Exhausted MoUs (06 MoUs has been expired)

- Sensation Software Solutions Pvt. Ltd. (Valid session 2024–25)
- Naandi Foundation, Hyderabad, Mahindra Pride Classroom Program (Valid from 22.08.2024 to 21.08.2025)
- Skyline Institute of Geoinformatics Edtech Private Ltd. (Valid from 09.06.2024 to 08.06.2025)
- Cyber Threat Haryana, Panipat (Valid from 13.09.2023 to 12.09.2024)
- Udaan IAS (Valid from 08.08.2023 to 07.08.2024)
- MoU between Department of Education, CRSU, Jind and DU Skill Training Centre, Jind

Sr. No.	Party A	Party B	Collaboration	Purpose of MoU
1	**MG Education and Social Development Organization**	CRSU Jind	DU Skill Training Centre, Jind and the Department of Education, Chaudhary Ranbir Singh University, Jind	**For promoting skill development and vocational training.**
2	**MoU between Department of Education, CRSU, Jind and Mind Q Institute, Jind**	CRSU Jind	Department of Education, Chaudhary Ranbir Singh University, Jind and Mind-Q Institute (MQ Education Society), Jind	**For promoting skill development, academic excellence, and industry-oriented training.**
3	**CBS Pacific Hong Kong Ltd**	CRSU Jind	Chaudhary Ranbir Singh University, Jind	**Promote skill development, entrepreneurship, innovation, and industry-oriented education.**
4	**Prof. Armando J.L. Pombeiro, Dr. Brij Mohan**	CRSU Jind	Chaudhary Ranbir Singh University, Jind and the Laboratory of Coordination Chemistry and Catalysis, Instituto Superior Técnico, Universidade de Lisboa, Portugal	**Undertake joint research in advanced fluorescence-based sensing materials and metal ion detection.**

Digital Learning and Micro-credentials



Flexible Credit–based System, Assessment and Certification

1. Credit-based curriculum aligned with NEP 2020 **provide Certificate, Diploma and Degree** for 1,2 and 3yr respectively.

2. Integration of **SECs, AECs, VACs, and MDCs** into undergraduate programmes.

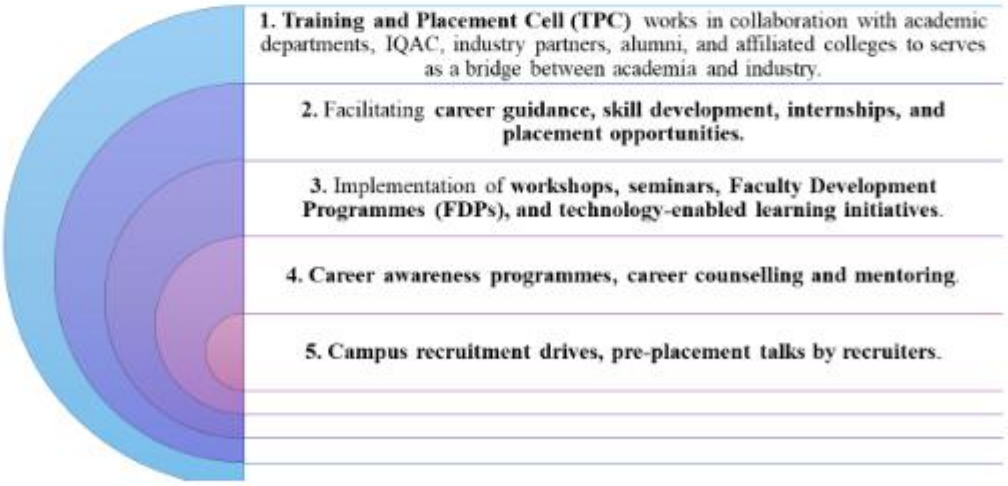
3. Provision **for multidisciplinary and interdisciplinary learning**.

4. Student choice in selecting elective and skill-based courses.

5. Implementation of the **Academic Bank of Credits (ABC)** to facilitate credit accumulation and transfer.

6. Support for **multiple entry and exit** provisions in accordance with UGC/NEP guidelines.

Skill Development Cell & Training and Placement Cell

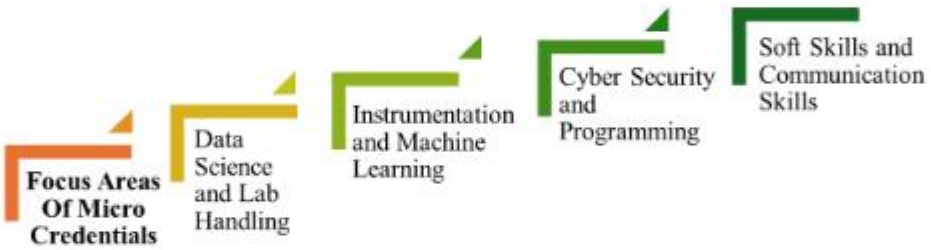


Promotion of Micro-Credentials

- Encouraging students to complete online certification courses.

- **Various platforms like**
  - SWAYAM,
  - NPTEL,
  - AICTE Learning Platforms,
  - IIT Online Certification Programmes and
  - Other recognized professional certification providers.

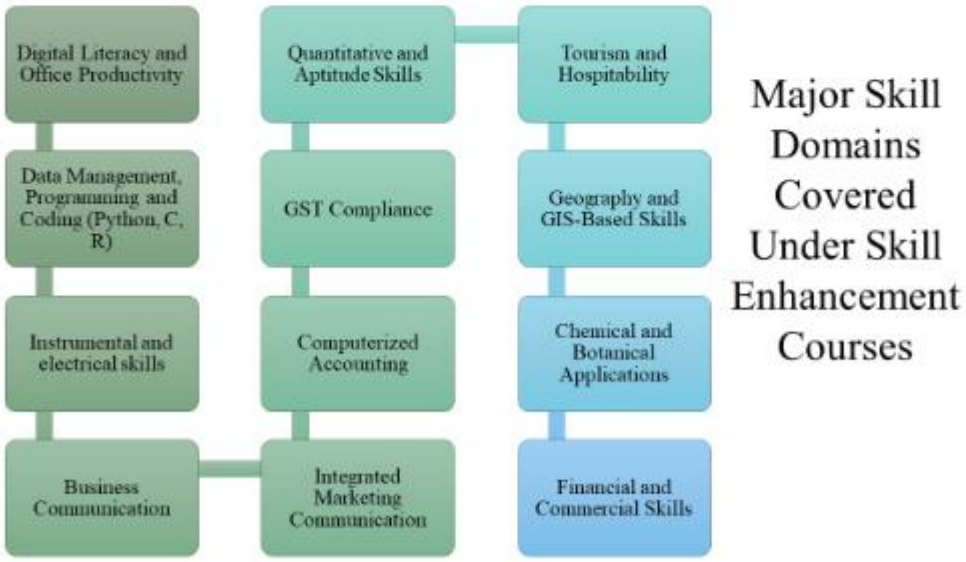
- **Benefits of micro-credentials are** flexible learning opportunities, recognition of additional competencies, enhanced employability, lifelong learning.





2. Details of skill enhancement courses (SEC's) being offered to affiliated colleges

Sr. No.	Offering Department	Skill Enhancement Courses
1	Computer Science & Applications	Office and Spreadsheet Tools Learning; Advance Spreadsheet Tools; Basic IT Tools; Essentials of Python; Introductory Course in R; Computer Programming in C; Cloud Computing Skills; Computer Programming in C++; Programming in Python; Advance IT Skills; Data Management
2	Mathematics	Calculation Skills with Vedic Mathematics–I; Calculation Skills with Vedic Mathematics–II; Numerical Ability Enhancement Skills; Learning MATLAB Skills; Qualitative Aptitude; Basic Mathematical Techniques
3	Chemistry	Chemistry of Fats, Oils, Paints and Detergents; Chemistry of Food Flavors and Colorants; Chemistry Lab Maintenance and Handling; Analytical Chemistry; Food Adulteration Testing; Waste Management Techniques
4	Physics	Electrical Circuit Network Skill; Physics Laboratory Skill Enhancement; Basic Instrumentation Skills
5	Botany	Plants for Human Welfare; Plant Hybridization; Vertical Farming; Floriculture; Biofertilizers
6	Zoology	Techniques in Bird Watching; Taxidermy; Camera Trapping of Wildlife; Microtomy
7	Geography	Computer Aided Cartography; Exploration of Geographical Landscape; Waste Management Techniques; Field Survey Based Report (Socio-Economic)
8	Commerce	Integrated Marketing Communication; Business Communication; Computer Added Accountancy
9	Management	Integrated Marketing Communication; Business Communication; GST Return Filing; Communication in Personal Life
10	Economics	Computer Applications in Economics; Computer Application in Economics; Business Skills; Financial Institutions and Markets
11	English	Soft Skills; Creative Writing; Communication in Personal Life; Report Writing
12	Hindi	पत्र-लेखन (Letter Writing); विज्ञापन लेखन (Advertisement Writing); सर्जनात्मक लेखन (Creative Writing)
13	History	History and Tourism; Archives and Museum
14	Fine Arts	Resin Art Craft; Murali Rangoli Designing
15	Music & Dance	Light Music Vocal; Classical Singing
16	Physical Education	Self Defense



3. SEC job roles and corresponding National Skills Qualification Framework (NSQF) levels are under process.

4. Initiatives undertaken for industry linkage, apprenticeship integration, and employability enhancement, Recognition of Prior Learning (RPL) and future-oriented skill development

Initiatives undertaken for industry linkage

- **Industrial visits, Field Exposure, and live industry projects to provide practical exposure** to students.
- **Guest lectures, expert talks in seminars, conferences, technical sessions, and workshops** by industry professionals have to be conducted.
- **Internship opportunities and Career Counselling** through the Training and Placement Cell.
- Inclusion of **Industry experts in the Board of Studies and Academic Council** has to be implemented under various programmes of University Teaching Departments.
- **Promotion of project-based learning and field-based assignments** in undergraduate and postgraduate programmes.
- Career guidance programs in collaboration with employers and alumni.
- **Inclusion of Skill Enhancement Courses (SECs), Value-Added Courses (VACs), and multidisciplinary courses (MDCs)** aligned with workforce requirements.
- Promotion of innovation and entrepreneurship through workshops, **awareness programs, business idea competitions, and interaction with successful entrepreneurs and alumni.**

Internship integration, and employability enhancement

- The University encourages departments and affiliated colleges to strengthen students' workplace readiness by providing opportunities for **interaction with industries, educational institutions, government organizations, and community partners.**
- Compulsory of **internship-based learning across undergraduate and postgraduate programmes.**
- Practical training through industrial and institutional visits is under process for undergraduate and postgraduate courses.
- **Integration of fieldwork, laboratory training and project work in postgraduate programmes.**
- **Support from the Training and Placement Cell** in facilitating internships and career guidance.
- Students **undertake live projects, research projects, and community-based assignments** addressing practical challenges.
- **Collaborative projects supervised by faculty members** to develop analytical and problem-solving skills.

Total number of internships across University Teaching Departments (UTDs)

Sr No.	Name of Department	No. Of Students
1	Chemistry (B.Sc, M.Sc.)	10+51=61
2	Economics	37
3	Commerce (B.Com., M.Com.)	36+23=59
4	English (B.A, M.A.)	20+64=84
5	Education (M.A)	13
6	Hotel Mangement	12
7	Zoology	29
8	Botany	30
9	Geography	84
10	Physics (B.Sc, M.Sc.)	13+41=54
11	Biotechnology	7
12	Mass Communication	21
13	Library Science	44
14	Mathematics (B.Sc., M.Sc.)	11+54=65
15	Hindi M.A.	50
16	Management	45
17	Psychology	18+43=61
18	Total	756

Recognition of Prior Learning (RPL) is under process.

Future-oriented Skill Development

- Introduction of technology-enabled **Skill Enhancement Courses and promotion of multidisciplinary & interdisciplinary** learning under NEP 2020.
- Encouragement to complete **online certification and diploma courses** through e-resources and virtual platforms through SWAYAM and NPTEL.
- **Introduction of digital literacy** via courses in Artificial Intelligence, Machine Learning, Data Science, Cyber Security, Cloud Computing, Internet of Things (IoT), Robotics, Automation, and Blockchain.
- **Integration of Design Thinking, Innovation, Entrepreneurship, and Intellectual Property Rights (IPR)** into academic programmes.
- Development of computational thinking, and data analytics skills; promotion of Green Skills, renewable Energy Technologies, and sustainable development practices.
- **Encouragement of innovation** through incubation centres, start-up cells, hackathons, and innovation challenges.

Institutional Support Mechanism

- Dedicated **Skill Development Cell** for curriculum design and approval of Skill Enhancement Courses (SECs), Ability Enhancement Courses (AECs), Value-Added Courses (VACs), and Multidisciplinary Courses (MDCs).
- Strengthening of the **Training and Placement Cell for internship and employment facilitation**.
- **Industry Interaction Cell** to coordinate collaborative activities between industry and institution.
- Internal Quality Assurance Cell **(IQAC) oversight for continuous monitoring and quality enhancement.**
- Faculty Development Programmes **(FDPs) to strengthen competency-based teaching** and industry-oriented pedagogy.
- Establishment of **digital learning infrastructure, smart classrooms, simulation laboratories, and innovation spaces.**

5. Any innovative institutional mechanisms/frameworks developed by the University in this regard

- Establishment of a dedicated **Skill Development Cell** to coordinate, monitor, and promote skill-based education across affiliated colleges.
- Development of an **institutional framework integrating Skill Enhancement Courses, Value-Added Courses, Ability Enhancement Courses, internships, apprenticeships, and micro-credentials** within the academic curriculum for integration of employability skills, digital competencies, entrepreneurship, and life skills into mainstream.
- Systematic mapping of academic programmes with **National Skills Qualification Framework (NSQF)** levels and industry-defined job roles is in process.
- Promotion of MOOCs, SWAYAM, NPTEL, and other digital platforms for supplementary skill development.
- **Establishment of a Career Development, Training and Placement Cell** for training in communication skills, aptitude, interview preparation, and career counselling.
- A constitutional **framework for recognizing prior learning (RPL) will be acquired** through formal, non-formal, and informal means.

- **Establishment of a Research & Development cell** and promotion of research through IQAC.
- **Institute facilitates the faculty members to undergo regular Faculty Development Programmes (FDPs)** on competency-based education, digital pedagogy, industry-oriented teaching, and emerging technologies.
- **Monitoring by the Internal Quality Assurance Cell (IQAC)** through periodic academic audits, stakeholder feedback, and outcome assessment.
- Annual **review of skill programmes by the Academic Council and Board of Studies**.
- NIRF Ranking is under process.



SEC-1(Even)Credit		SEC-2(Even)Credit		SEC-3(Even)Credit		SEC-4(Even)Credit	
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
B23-SEC-100	Office and Spread sheet Tools Learning	B23-SEC-201	Cloud Computing Skills (Dept. of Computer Science and Application)	BBA-SEC-301	GST, Return Filing (Dept. of Management)	B23-SEC-401	Basic Mathematical Techniques (Dept of Mathematics)
B23-SEC-102	Advance Spread sheet Tools	B23-SEC-203(A)	Integrated Marketing Communication (Dept. of Commerce)	B23-SEC-303(A)	Computer Aided Accountacy (Dept. of Commerce)	U24-GEO/SEC-404	Field Survey Based Report (Socio-Economic) (Dept of Geography)
B23-SEC-103	Basic IT Tools	U24-GEO/SEC-202 / GEO-23/SEC-202	Computer Aided Cartography (Dept. of Geography)	BBA-SEC-302	Communication in Personal Life (Dept of Management)	PHY-SEC-427	Applied Instrumentation & Measurement Techniques (Dept of Physics)
B23-SEC-104	Essential s of Python	B23-SEC-202	Business Communication (Dept. of Commerce)	B23-SEC-301	Advance IT Skills (Dept of Computer Science)	25HIS405/SEC	Survey of Sources of Indian History (Dept of History)
B23-SEC-105	Introduction to Course in R	B-23-SEC-201	Calculations Skills with Vedic Mathematics-I (Dept. of Mathematics)	B23-SEC-302	Data Management (Dept of Computer Science)	B23-ECO/SEC-408	Digital Economy (Dept of Economics)
B23-SEC-106	Computer Programming in C	BBA-SEC-201	Integrated Marketing Communication (Dept. of Management)	B23-SEC-303	Calculation Skills with Vedic Mathematics-II (Dept. of Mathematics)	B23-SEC-427	Manuscript Writing (Dept of English)
		B23-BOT-205	Plants for Human Welfare (Dept. of Botany)	B23-SEC-324	Learning MATLAB Skills (Dept. of Mathematics)		
		B23-SEC-205	Chemistry of Tea, Oil, Pesticides and Detergents (Dept. of Chemistry)	B23-SEC-326	Quantitative Aptitude (Dept. of Mathematics)		
		B23-SEC-	Chemistry of Food Flavors	U24-	Exploration of Geographical		

SEC-2(Even)Credit		SEC-3(Even)Credit	
Course Code	Course Title	Course Code	Course Title
PHY-SEC-225	Electrical Circuit Network Skill (Dept. of Physics)	B23-POL-304	Election Management (Dept. of Political Science)
B23-SEC-219	Chemistry Lab Maintenance and Handling (Dept. of Chemistry)	B23-SEC-311	Punjabi Avid Lekhan ਰਚਨਾ ਦੀਆਂ ਕਿਸਮਾਂ (Dept. of Punjabi)
B23-HIN-217	Nirman (Sajja) (Dept. of Hindi)		
PHY-SEC-227	Physics Laboratory Skill Enhancement (Dept. of Physics)		
BTY-SEC-215	Genetic Engineering (Dept. of Biotechnology)		
BA/SOC/SEC/201	Computer Application in Sociology (Dept. of Sociology)		
B23-SEC-207	Self Defence (Physical Education)		
B23-SEC-220	Punjabi Pohatha Lekhan ਰਚਨਾ ਦੀਆਂ ਕਿਸਮਾਂ (Dept. of Punjabi)		

205(A)	and Colorants (Dept. of Chemistry)	GEO/SEC-303/ GEO-23/SEC-326	Landscape (Dept. of Geography)
B23-HIN-206	एकांकी (Dept. of Hindi)	PHY-SEC-329	Basic Instrumentation Skills (Dept. of Physics)
B23-SEC-214	Computer Application in Economics (Dept. of Economics)	B23-BOT-304	Plant Hybridization (Dept. of Botany)
PHY-SEC-227	Physics Laboratory Skill Enhancement (Dept. of Physics)	B23-BOT-305	Vertical Farming (Dept. of Botany)
B23-SEC-216	Computer Programming in C++ (Dept. of Computer Science)	B23-BOT-306	Gloriculture (Dept. of Botany)
B23-SEC-217	Programming in Python (Dept. of Computer Science)	B23-BOT-307	Bonsai farms (Dept. of Botany)
B23-SEC-218	Techniques in Bird Watching (Dept. of Zoology)	B23-HIN-306	व्यवसाय हिंदी (Dept. of Hindi)
B23-SEC-317	Resin Art Craft (Dept. of Fine Arts)	B23-SEC-307	Waste Management Techniques (Dept. of Chemistry)
B23-SEC-219(A)	Analytical Chemistry (Dept. of Chemistry)	B23-SEC-308	Food Adulteration Testing (Dept. of Chemistry)
B23-SEC-223	Taxidermy (Dept. of Zoology)	B23-SEC-316	Waste Management Techniques (Dept. of Geography)
B23-SEC-224	Coarse Trapping of Wildlife (Dept. of Zoology)	B23-SEC-315	Mural Rangoli Designs (Dept. of Fine Arts)
B23-SEC-225	Numerical Ability Enhancement Skills (Dept. of Mathematics)	B23-SEC-321	Mycology (Dept. of Zoology)

BBA-SEC-214	Business Communication (Dept. of Management)	B23-ECO/SEC-307	Business Communication Skills (Dept. of Economics)
B23-SEC-207	Soft Skills (Dept. of English)	B23-SEC-313	Report Writing (Dept. of English)
B23-SEC-216	Creative Writing (Dept. of English)	B23-SEC-310	Communication in Professional Life (Dept. of English)
24HIS405/SEC	History and Tourism (Dept. of History)	25HIS405/SEC	Archives and Museum (Dept. of History)
B23-SEC-219	Chemistry Lab Maintenance and Handling (Dept. of Chemistry)		
B24-SEC-205	Light Music Vocal (Dept. of Music & Dance)	BTY-SEC-310	Diary Processing (Dept. of Biotechnology)
		BA/SOC/3/SEC/301	Computer Applications in Research (Dept. of Sociology)
		B24-MC/SEC-306	Harjeevi Culture & Cinema (Dept. of Mass Communication)
B23-POL-304	E-Governance in India (Dept. of Political Science)	B24-SEC-305	Classical Singing (Dept. of Music & Dance)

VAC-1		V. C-2		VAC-3		V VAC-4	
Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
B23-VAC-101	Human Values and Ethics	B23-VAC-201/ C20/VAC/120P	Environmental Studies: Hygiene sanitation and Environment	U24-GEO/VAC-301/ GEO-23-VAC-430	Sustainable Development Goals (Dept. of Geography)	U24-GEO/VAC-401/ GEO-23-VAC-440	Understanding Climate Change (Dept of Geography)
B23-VAC-102/ 203/C20/VAC120P	Environmental Studies: Hygiene sanitation and Environment	B23-VAC-101	Human Values and Ethics	B23-VAC-303	Mathematics in India From Vedic Period to Modern Times (Dept. of Mathematics)	B-23-VAC-418	Mathematics in Everyday Life (Dept. of Mathematics)
B23-VAC-402	E-Commerce (Dept. of Commerce)			B23-VAC-305	Environment and Society (Dept. of Chemistry)	B23-VAC-410	Social & Emotional Learning (Dept. of Psychology)
GEO-23/VAC-305	Understanding Climate Change (Dept of Geography)			B23-HIN-309	भाषाप्रौद्योगिकी (Dept. of Hindi)	B23-ECO/VAC-420	Digital Empowerment (Dept. of Economics)
BBA-VAC-402	Financial Literacy (Dept. of Management)			B23-VAC-308	India Art and Culture (Dept. of Fine Arts)	B23-VAC-418	Chemistry in Everyday Life (Dept. of Chemistry)
BBA-VAC-401	Business Ethics (Dept. of Management)			B23-VAC-320	India Biodiversity (Dept. of Zoology)	B23-VAC-407	Ecology and Environment (Dept. of Zoology)
				B23-ECO/VAC-305	Sustainable Development Goals (Dept of Economics)	B23-VAC-408	Basic of Medicinal Plants (Dept. of Botany)

PHY-VAC-304	Indian Astronomy in the 19th and 20th Centuries (Dept. of Physics)	B23-ECO/VAC-420	Digital Empowerment (Dept. of Economics)
PHY-VAC-310	Basic of Indian Astronomy (Dept. of Physics)	PHY-VAC-405	Physics in Everyday Life (Dept. of Physics)
PHY-VAC-306	Exploring the Journey of Indian Space Initiatives (Dept. of Physics)	PHY-VAC-413	Radiation Hazards (Dept. of Physics)
B23-HIN-320	हिन्दी भाषा (Dept. of Hindi)	25HIS404/VAC/301	Indian Administration (Dept. of History)
25HIS404/VAC/307	Understanding India (Dept. of History)	B23-VAC-402	Art of Happiness (Dept. of Psychology)
B23-SMS-406	Wholesome Tourism in India (Dept. of Hindi and Tourism Management)	B23-VAC-315	स्वास्थ्य और योगाभ्यास की रूपरेखा (Dept. of Sanskrit)
B23-VAC-401	Financial Literacy (Dept. of Commerce)	B23-VAC-401	Social Movement in India (Dept. of Political Science)
BBA-VAC-403	Logistic Management (Dept. of Management)	B23-VAC-301	Constitutional Value Fundamental Duties (Dept. of Political Science)
B23-VAC-313	संस्कृत साहित्य में पर्यावरण चेतना (Dept. of Sanskrit)	B23-VAC-406	Yoga and Meditation (Physical Education)
B24-MC/VAC-405	Reporting (Dept of Mass Communication)		
BTY-VAC-315	Fermented Food (Dept of Biotechnology)		

List of all MDC Subjects

Sr. No.	Subject	Course Type	Course Code	Nomenclature of Course	Signature
1.	Computer Science and Applications	MDC-1	B-23-CSE-104/B23-MDC-1/ BCA23-MDC-101	Fundamentals of Computer Science	
		MDC-2	B-23-CSE-204/ B23-MDC-2	Digital Tools	
		MDC-2	BCA23-MDC-201	World Processing	
		MDC-3	B-23-CSE-301/ B23-MDC-3	IT Tools	
		MDC-3	BCA23-MDC-301	Basic Spread Tools	
2.	Geography	MDC-1	U24-GEO-MDC-101 / GEO-CL-MDC-101	Geography in Everyday Life	
		MDC-2	U24-GEO-MDC-202 / GEO-CL-MDC-202	Geography of The Environment	
		MDC-3	U24-GEO-MDC-303 / GEO-CL-MDC-303	Weather Forecasting	
3.	English	MDC-1	B23-ENG-104	Introduction to short story and Basic Grammar	
		MDC-2	B23-ENG-204	Introduction to Prose and Basic Comprehension	
		MDC-3	B23-ENG-303	Introduction to Poetry and Phonetics	
4.	Management	MDC-1	BBA-MDC-101	Social Media Marketing	
		MDC-2	BBA-MDC-201	Entrepreneurship & Start-ups	
		MDC-3	BBA-MDC-301	Fundamentals of Investing	
5.	Economics	MDC-1	B23-ECO-104	Basics of Indian Economy-I	
		MDC-2	B23-ECO-204	Basics of Indian Economy-II	
		MDC-3	B23-ECO-304	Managerial Economics	
6.	Fine Arts	MDC-1	B23-FAS-105	Clay Modeling	
		MDC-2	B23-FAS-205	Drawing Sketching	
		MDC-3	B23-FAS-305	Graphics Design	
7.	Hindi	MDC-1	B23-HIN-104	हिन्दी भाषा एवं लेखन	
		MDC-2	B23-HIN-204	हिन्दी भाषा तथा लेखन	
		MDC-3	B23-HIN-303	हिन्दी लेखन	
8.	Psychology	MDC-1	Psy-104	Psychology in Everyday Life	
		MDC-2	Psy-204	Health and Well-Being	
		MDC-3	Psy-304	Psychology of Human Relation	
		MDC-1	B23-PSY-103	Understanding Psychology	
		MDC-2	B23-PSY-203	Psychology & Life	
		MDC-3	B23-PSY-303	Health and Wellbeing	
9.	Mass Communication	MDC-1	B24-MC-109	Public Speaking and Art of Anchoring	
		MDC-2	B24-MC-205	Media Literacy	
		MDC-3	B24-MC-305	Photo Journalism	
10.	History	MDC-1	24HIS401MDC001	Glimpses of Ancient Ind	
		MDC-2	24HIS402MDC002	Glimpses of Medieval India	
		MDC-3	24HIS403MDC003	Glimpses of Modern India	
11.	Political Science	MDC-1	B23-POL-104	Indian Polity	
		MDC-2	B23-POL-203	Indian Constitution	
		MDC-3	B23-POL-303	International and Regional Organization	
12.	Chemistry	MDC-1	B23-CHE-106	Introductory Chemistry-I	
		MDC-2	B23-CHE-206	Introductory Chemistry-II	
		MDC-3	B23-CHE-306	Introductory Chemistry-III	
13.	Department of Music & Dance	MDC-1	B24-MUS-104	Introduction of Indian Music	
		MDC-2	B24-MUS-204	Terminology of Indian Music	
		MDC-3	B24-MUS-304	Introduction of Indian Music-II	

Sr. No.	Subject	Course Type	Course Code	Nomenclature of Course	
14.	Dept. of Tourism & Hotel Management	MDC-1	B23-HMT-105	Indian Ethnic Food	
		MDC-2	B23-HMT-205	Introduction to Hospitality and Tourism Industry	
		MDC-3	B24-HM-03	Guest Relations Management	
15.	Dept. of Physics	MDC-1	B25-PHY-104	Physics Fundamentals-I	
		MDC-2	B25-PHY-204	Physics Fundamentals-II	
		MDC-3	B25-PHY-304	Elements of Modern Physics	
16.	Dept. of Electronics	MDC-1	B23-ELE-104	Electronics in Daily Life	
		MDC-2	B23-ELE-204	Understanding of Mobiles and Computer Systems	
		MDC-3	B23-ELE-302	Electronics in smart world	
17.	Dept. of Zoology	MDC-1	B23-ZOO-104	Basics of Zoology-I	
		MDC-2	B23-ZOO-204	Basics of Zoology-II	
		MDC-3	B23-ZOO-303	Basics of Zoology-III	
18.	Dept. of Botany	MDC-1	B23-BOT-104	Fundamentals of Botany	
		MDC-2	B23-BOT-205	Economic Botany	
		MDC-3	B23-BOT-303	Ornamentals Plants and Propagation	
19.	Dept. of Commerce	MDC-1	B23-COM-105	Personal Finance	
			B23-COM-106	Business Organization	
			B23-COM-107	Accounting for beginners	
		MDC-2	B23-COM-205	Fundamentals of Banking and Insurance	
			B23-COM-206	Managerial Skills	
			B23-COM-207	Office Management	
		MDC-3	B23-COM-305	Fundamentals of Indian Capital Markets	
			B23-COM-306	Leadership	
			B23-COM-307	Micro Finance	
20.	Dept. of Mathematics	MDC-1	B-23-MAT-104	Introductory Mathematics	
		MDC-3	B-23-MAT-304	Mathematics for Commerce & Social Sciences	
		MDC-2	B-23-MAT-203	Mathematics for All	
21.	Dept. of Biotechnology	MDC-1	B24-BTY-104	Biology-I	
		MDC-2	B24-BTY-204	Biology-II	
		MDC-3	B24-BTY-303	Biology-III	
22.	Dept. of Home Science	MDC-1	B23-HSE-103	Basics of Home Science-I	
		MDC-3	B23-HSE-303	Basics of Home Science-II	
		MDC-4	B23-HSE-302	Basics of Home Science-III	
23.	Dept. of Public Administration	MDC-1	23UCMBPAMDC-103	Introduction to Public Administration-I	
		MDC-2	23UCMBPAMDC-203	Introduction to Public Administration-II	
		MDC-3	23UCMBPAMDC-303	Governance and Good Governance	
24.	Dept. of Sociology	MDC-1	BA/SOC/1/MDC/103	Principles of Sociology	
		MDC-2	BA/SOC/2/MDC/203	Indian Society and Culture	
		MDC-3	BA/SOC/3/MDC/303	Social Problems in India	
25.	Dept. of Sanskrit	MDC-1	B23-SKT-103	शुद्धं वदेयम्	
		MDC-2	B23-SKT-203	भारतीयं ज्ञानम्	
		MDC-3	B23-SKT-303	पत्रलेखनं सङ्गणकम् च आशयलेखनं	
26.	Dept. of Political Science	MDC-1	B23-POL-102	Indian Polity	
		MDC-2	B23-POL-203	Indian Constitution	
		MDC-3	B23-POL-303	International Organizations	
27.	Dept. of Physical Education	MDC-1	B23-Phy.Ed.-104	Fundamental of Physical Education	
		MDC-2	B23-Phy.Ed.-204	Fundamental of Yoga	
		MDC-3	B23-Phy.Ed.-303	Basics of Naturopathy	

28.	Dept. of Punjabi	MDC-1	B23-PNB-104	PUNJABI BHASHA, SURMUKHI LIPI ATE PUNJABI DA COMPUTER IKARAN	
		MDC-2	B23-PNB-204	LOKDHARA ATE PUNJABI LOKDHARA	
		MDC-3	B23-PNB-303	SAHITYACHAR ATE PUNJABI SAHITYACHAR	
29.	Dept. of Tourism Management	MDC-2	TM-MDC-103	Haryana Tourism in India	



DR. B. R. AMBEDKAR
NATIONAL LAW UNIVERSITY,
SONEPAT

PROF.(DR.) ASHUTOSH MISHRA

STUDENT INTAKE

Sr. No.	Course-	No. of student
1	B.A. LL.B.(Hons.)	120*5 years= 600
2	B.B.A. LL.B.(Hons.) (course commenced w.e.f. current academic year i.e., 2026-2027)	60
3	LL.M. (One Year Programme)	120
4	LL.M. (Two Year Course)	24

INCUBATION CENTRE FOR SKILL DEVELOPMENT AND EMPLOYABILITY ENHANCEMENT

Course offered = 18 Only for the on campus students
Starting from 01-09-2026

Sr. no	Course-	No. of student
1	Soft Skills For Law Students. - Dr. Jyoti Rana	6
2	Drafting in law practice and its enforcement - Dr. Sukhwinder Singh	33
3	Use of AI in Law in legal research and its Emerging challenges. - Dr. Madhukar Sharma	24
4	Forensic and Cyber Evidence Skills for Legal Practice - Prof. (Dr.) Ashutosh Mishra/ Dr. Shruti	7
5	Gig Economy and Labour Rights: Navigating Modern Workplace Laws - Dr. Balwinder Kaur	6
6	Military justice system in India - Dr. Balwinder Kaur	5
7	Environmental Awareness - Dr. Siddharth Singh	6
8	Startup Law and Entrepreneurship - Dr. Renu Sharma	5
9	Space Law and Emerging Frontiers: Rights, Regulation and Practice - Dr. Renu Sharma]	5

Sr. no.	Course	No. of student
10	Navigating Insolvency: Stakeholder Communication and Resolution Skills - Dr. Puja Jaiswal	8
11	Digital Markets and Competition: Policy Awareness and Professional Skills - Dr. Divya]	1
12	Court Craft and Litigation Skills: Procedure, Registry Practice and E-Filing - Prof. (Dr.) Ashutosh Mishra/ Dr. Arjun]	15
13	Client Counselling, Interviewing, and Legal Ethics - Mr. Sumit]	1
14	Negotiation Theory and Dispute Settlement Strategies - Ms. Ankita]	1
15	Clinical Legal education and Experimental Learning - Dr. Mukesh]	1
16	Public Policy Analysis and Legislative Drafting - Dr. Pankaj]	1
17	Workplace Equality Law and POSH Implementation - Dr. Shruti]	1
18	Subaltern Communities and the Law: Grassroots Legal Empowerment, Customary Regimes, and Subaltern Realities - Prof. (Dr.) Ashutosh Mishra/ Dr. Jyoti Sharma	1

"Online courses are currently not being offered by DBRANLU, as the University is yet to obtain NAAC accreditation."

Centre for Clinical Legal Education and Community Justice (CCLECJ)

Objective

- To bridge the gap between legal education and society by providing experiential legal learning to students and facilitating access to justice, legal assistance, dispute resolution and legal empowerment for communities.
- The Centre aims to develop socially responsible, professionally competent and justice-oriented legal professionals through community-based clinical legal education and service.

Constituent Units

- Pro Bono Club
- Legal Aid Clinic
- Mediation Clinic
- Legal Literacy and Community Outreach Cell

Five-Year Community Justice Mission

"10 Villages – Litigation-Free through Dialogue, Awareness and Legal Empowerment"

1. **Legal Literacy & Awareness**
   - Regular legal awareness programmes on:
   - Constitutional and Legal Rights
   - Government Welfare Schemes
   - Women and Child Rights
   - Senior Citizens' Rights
   - Cyber Awareness
   - Land and Property Rights
2. **Early Legal Assistance**
   - Identification of legal issues at the initial stage
   - Preliminary legal assistance and guidance
   - Referral to appropriate legal services institutions
   - Assistance through the Legal Aid Clinic
3. **Mediation & Dispute Resolution**
   - Promotion of dialogue-based dispute resolution
   - Mediation of suitable community disputes
   - Prevention of escalation of disputes into prolonged litigation
4. **Pro Bono Legal Service**
   - Student engagement in supervised pro bono initiatives
   - Legal assistance to deserving and vulnerable persons
   - Strengthening the culture of public service in legal education

INTERNSHIP & PLACEMENT CELL

FROM REGULATORY COMPLIANCE TO PROFESSIONAL EXCELLENCE

- **Internship & Placement Cell**
  Bridging Classroom Learning with Real-World Legal Practice
- **Institutional Commitment**
  Ensures compliance with the **Bar Council of India's mandatory internship requirement of 20 weeks.**
- University policy extends practical exposure up to **30 weeks** across the degree programme.
- Provides structured exposure to:
  - **Courts**
  - **Senior Advocates' Chambers**
  - **Law Firms Government Organisations**
  - **Legal Services Institutions**
  - **In-house Legal Departments**
- Focuses on transforming **classroom learning into courtroom skills, legal drafting, research competence and professional readiness.**
- **Institutional Value Proposition:**
- **"From 20 Weeks of Mandatory Internship to 30 Weeks of Immersive Professional Learning."**

DEMONSTRATED OUTCOMES & INSTITUTIONAL IMPACT

A STRONG PROFESSIONAL PIPELINE FOR LAW GRADUATES

Graduate Outcomes

2019–2024 Batch: 100 out of 120 graduates registered as advocates.
2020–2025 Batch: 107 out of 120 graduates registered as advocates.
2021–2026 Batch: 102 out of 120 students registered as advocates; remaining students pursuing higher studies.

Professional Exposure Across the Legal Ecosystem

- Leading national law firms and corporate legal departments.
- High Courts, Supreme Court-related litigation practice and chambers of senior advocates.
- Legal Services Authorities, government departments, tribunals and statutory institutions.
- In-house legal and compliance departments of leading corporate organisations.

Strategic Institutional Partnerships through MoUs Building a Strong National & Global Collaboration Network

Dr. B.R. Ambedkar National Law University, Sonepat has established approximately 25 institutional collaborations through MoUs with leading national and international organisations.

Key Strategic Collaborations Include:

- **National Human Rights Commission (NHRC)** – Human Rights, research and capacity building
- **Competition Commission of India (CCI)** – Competition Law, research and professional exposure
- **National Forensic Sciences University** – Forensic Science, Criminal Justice and interdisciplinary learning
- **Georgia State University, Atlanta, USA** – International academic collaboration and global exposure

Thank You

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana



Deenbandhu Chhotu Ram: Great Peasant Leader & Educationist



One-day workshop on "Skill-based Courses & Micro-Credentials in Higher Education"

24th July 2026 **SVSU, Palwal**

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

HIGHLIGHTS OF THE UNIVERSITY

- *NEP-2020 based courses
- *Slot-Based Time-table
- *ATAL-Academy & Idea Lab
- *i-HUB DCRUST
- *SWAYAM-NPTEL Courses integrated
- *VE Commercial Vehicles Ltd.: REGIONAL COMPETENCY DEVELOPMENT CENTER (RCDC) ROBOTIC LAB: MITSUBISHI
- *Renewable Energy Testing Center, NABL accredited, and BIS recognized.
- *Electric Solar Power plant contributing to the Grid.
- *Integrated Software Solution for Examination System & Automated Library
- *Adopted -5 Villages
- * Working for Yamuna Cleanness

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

Best practices adopted for integrating and implementing skill-based courses and micro-credentials in mainstream higher education

SEC Integration in University Curriculum

Core Component: Skill Enhancement Courses (SEC) are an essential part of all NEP 2020-based university programs.

Dual Implementation: SEC is integrated into the curriculum in two distinct ways to provide flexibility and skill development.

1: During the Semester

Students can opt for **2-credit SEC courses** during their regular semesters.
Designed as per the UGC's 4-Year Common University Undergraduate Program.
These courses are offered by various respective departments.

2: At the Time of Exit

Designed for students who choose to exit the program before the full 4-year completion.

Skill-Based Requirements:

Students must complete an **extra skill course** at their specific exit level.

Recognition:

Based on the completion of these extra courses and their exit level, the university will award a corresponding **Certificate** or **Diploma**.
Ensures every exiting student leaves with a recognized, skill-based credential.

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

Details of Skill Enhancement Courses (SECs) being offered to affiliated colleges

The aim of the Skill Enhancement Courses of the University is to provide different kinds of skills to the students in various domains. These courses have a sound theoretical base as well as practical component with higher degree of hands-on learning. Students can choose according to their interest and future prospects from a pool of SEC courses. Each SEC paper worth 2 credits.

- **All academic programs currently offered at the main University level have been officially opened to all affiliated colleges.**
- **Willing colleges can actively utilize these state-of-the-art facilities to foster student innovation, incubation, and practical learning. For example ATAL, Idea, CIL Robotic lab etc.**
- **So that students receive the exact same curriculum, skill enhancement courses (SEC), and NEP 2020 benefits, regardless of their campus.**

Programme	Skill Enhancement Courses (SEC)	Credits per SEC	Total SEC Credits in Programme	Total credits in Summer internship/ Apprenticeship /community outreach	Total credits in Dissertation /Project/ Startup/ Entreprencurship/Internship	Total Credits
B.C.A.(Hons./ Hons. with research)	05 Courses	2 credits each	10 credits	06 (2CO+4) credits	20	168
Integrated BBA(Hons.)-MBA	05 Courses	2 credits each	10 credits	04 (2CO+2) credits	20+20 (UG+PG)	168+40(UG +PG)
Integrated B.Sc. (Hons.)-M.Sc. (Chemistry, Physics, Mathematics, Biotech.)	05 Courses	2 credits each	10 credits	04 (2CO+2) credits	12+20 (UG+PG)	176+40(UG +PG)

CO- means Community outreach

Pool of Skill Enhancement Courses (SEC) for UG Level w.e.f 2025-2026

Odd Semester		Even semester	
Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
SEEVS101	Basic Instrumental methods for Analysis	SEEVS102	Industrial Safety and Occupational Health
SEBME103	Recording of Basic Physiological Parameters	SEBME104	Experimental Biophysics
SEBME105	Analytical Techniques in Biochemistry	SEDMS106	Design thinking and innovation
SEDMS107	E-Commerce	SEHUM108	Soft Skills
SEDMS109	Management Information System	SEHUM110	Report Writing and Presentation Skills
SEHUM111	Public Speaking in English Language and Leadership	SEPHY112	Workshop Skill in Physics
SEPHY113	Physical and analytical Skills	SEPHY114	Virtual Physics Lab Skills
		SECHM116	Chemistry Lab Operations and Management
SECHM117	Chemistry Lab Safety Measures	SEMAT118	Document preparation with latex
SEMAT119	Basics financial Mathematics	SECSE120	Frontend Web Technologies
SECSE121	Essentials of Cyber Security	SECSE122	Python Programming
SECSE123	JAVA Programming	SEDMS124	Personality and Soft Skills Development
Relevant NPTEL courses as approved by concerned Chairperson UGBOS		Relevant NPTEL courses as approved by concerned Chairperson UGBOS	

S. No.	Course Code	Nomenclature of Course	Offering Department	L-T-P
1	SEEVS101	Basic Instrumental methods for Analysis	CEEES	1-0-2
2	SEEVS102	Industrial Safety and Occupational Health	CEEES	2-0-0
3	SEBME103	Recording of Basic Physiological Parameters	Department of Biomedical Engineering	1-0-2
4	SEBME104	Experimental Biophysics	Department of Biomedical Engineering	1-0-2
5	SEBME105	Analytical Techniques in Biochemistry	Department of Biomedical Engineering	1-0-2
6	SEDMS106	Design thinking and innovation	Department of Management Studies	2-0-0
7	SEDMS107	E-Commerce	Department of Management Studies	2-0-0
8	SEHUM108	Soft Skills	Department of Humanities	2-0-0
9	SEDMS109	Management Information System	Department of Management Studies	2-0-0
10	SEHUM110	Report Writing and Presentation Skills	Department of Humanities	2-0-0
11	SEHUM111	Public Speaking in English Language and Leadership	Department of Humanities	1-0-2
12	SEPHY112	Workshop Skill in Physics	Department of Physics	0-0-4
13	SEPHY113	Physical and Analytical Skills	Department of Physics	0-0-4
14	SEPHY114	Virtual Physics Lab Skills	Department of Physics	0-0-4
15	SECHM116	Chemistry Lab Operations and Management	Department of Chemistry	0-0-4
16	SECHM117	Chemistry Lab Safety Measures	Department of Chemistry	0-0-4
17	SEMAT118	Document Preparation With Latex	Department of Mathematics	1-0-2
18	SEMAT119	Basics Financial Mathematics	Department of Mathematics	0-0-4
19	SECSE120	Frontend Web Technologies	Department of Computer Science and Engineering	1-0-2
20	SECSE121	Essentials of Cyber Security	Department of Computer Science and Engineering	2-0-0
21	SECSE122	Python Programming	Department of Computer Science and Engineering	1-0-2
22	SECSE123	JAVA Programming	Department of Computer Science and Engineering	1-0-2
23	SEDMS124	Personality and Soft Skills Development	Department of Management Studies	2-0-0

Skill Enhancement Courses (SEC) by Department of Biomedical Engineering

SEBME103	Recording of Basic Physiological Parameters
SEBME104	Experimental Biophysics
SEBME105	Analytical Techniques in Biochemistry

Skill Enhancement Courses (SEC) by Centre of Excellence for Energy and Environmental Studies (CEEES)

SEEVS101	Basic Instrumental methods for Analysis
SEEVS102	Industrial Safety and Occupational Health

Skill Enhancement Courses (SEC) by Department of Management Studies

SEDMS106	Design thinking and innovation
SEDMS107	E-Commerce
SEDMS109	Management Information System
SEDMS124	Personality and Soft Skills Development

Skill Enhancement Courses (SEC) by Department of Mathematics

SEMAT118	Document Preparation With Latex
SEMAT119	Basics Financial Mathematics

Skill Enhancement Courses (SEC) by Department of Chemistry

SECHM116	Chemistry Lab Operations and Management
SECHM117	Chemistry Lab Safety Measures

Skill Enhancement Courses (SEC) by Department of Management Studies

SEDMS106	Design thinking and innovation
SEDMS107	E-Commerce
SEDMS109	Management Information System
SEDMS124	Personality and Soft Skills Development

Skill Enhancement Courses (SEC) by Department of Humanities

SEHUM108	Soft Skills
SEHUM110	Report Writing and Presentation Skills
SEHUM111	Public Speaking in English Language and Leadership

Skill Enhancement Courses (SEC) by Department of Physics

SEPHY112	Workshop Skill in Physics
SEPHY113	Physical and Analytical Skills
SEPHY114	Virtual Physics Lab Skills

Skill Enhancement Courses (SEC) by Department of Computer Science and Engineering

SECSE120	Frontend Web Technologies
SECSE121	Essentials of Cyber Security
SECSE122	Python Programming
SECSE123	JAVA Programming

The University has approved SWAYAM-NPTEL with well-defined guidelines for equalizing the selected NPTEL courses to existing courses in the present Choice Based Credit System, credit transfer, and award of degrees.

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

SEC job roles and corresponding NSQF levels:: Status Update

Phase 1: Semester SEC Implementation (Completed) The university has successfully structured and integrated Skill Enhancement Courses (SEC) into the current semesters:

- **Credit Requirements:** Fully defined and implemented.
- **LTP Structure:** Lecture, Tutorial, and Practical (LTP) hours allocated.
- **Syllabus Development:** Course content and syllabi finalized for ongoing SECs.

Phase 2: NCrF Alignment & Exit Programs (In Progress) We are currently processing the broader structural alignment to meet National Credit Framework (NCrF) guidelines:

- **Exit Program Mapping:** Assigning specific job roles and post-exit pathways for students utilizing multiple entry/exit options.
- **NSQF Level Tagging:** Actively mapping current and upcoming SEC courses to their exact National Skills Qualifications Framework (NSQF) levels.

➢ *DCRUST, Murthal is onboard on the ABC portal of the National e-Governance Division (NeGD) under Digilocker Framework (https://www.abc.gov.in).*

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

Initiatives undertaken for industry linkage, apprenticeship integration, employability enhancement, RPL, and future-oriented skill development;

INDUSTRY-ACADEMIA INTERACTION

Volvo Eicher Lab.:

- ➢ MOU
- ➢ Instruments worth 1.5 Crore by Eicher
- ➢ Will be extended for Electric Vehicles.







INDUSTRY-ACADEMIA INTERACTION

Robotics Lab. (by Mitsubishi)

Mitsubishi Robot RV-4FR-5H01, 4kg PAYLOAD VERTICA Robot, 515 mm radius Reach; with training kit and Table and accessories
FX-5UPLC Training Kit with 7" Colour Touch screen HMI
VFD Training Kit with 180 W, 3Ph Induction Motor with Single Carrying Box
SV22DNDIND-IQWK-E SOFTWARE with Licence









Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana

Any innovative institutional mechanisms/frameworks developed by the University in this regard

To have industry micro-credentials and other requirements for NSQF-aligned SEC courses in the university, we have developed the following and are also working for the improvement of more such skill-based laboratories where these skill-based courses can be executed

- *ATAL Academy & IDEA Lab: Training: FDP*
- iHUB: Project Scholarship Start up
- Institution Innovation Council & Incubation Centre
- Institution Industry Interaction Cell
  - *VE Commercial Vehicles Ltd.*
  - *Robotic lab*

Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana




OUR RECRUITERS
snapdeal
DENSO
tcs
ERICSSON
JSL
YAMAHA
ESCORTS
IDEMIA
IBM
OXYENT
Aakash
SONALIKA
accenture
daffodil
LARSEN & TOUBRO
policybazaar
Fidelity
PIOLAX
BSES
BCH
Teachnook
BYJU'S


OUR RECRUITERS
NHSRC
Kubota
Escorts Kubota Limited
Tech Mahindra
adani
Google
quinbay
amazon
HAVELLS
NecLife
ERICSSON
indiamart
SAMSUNG
LSK
BEAM INFOTECH
AAROHIN
Walmart

Workshop: Skill-based courses & Micro credentials in Higher Education

Presenter: Dr Vishwajit Singh(Nodal Officer)
DLCSUPVA, Rohtak

Vice Chancellor - Dr Amit Arya



Here, art is not just taught; it is lived!

Vision

Creative exploration and inter-disciplinary learning through practical experiences in the arts.



About the University

- Dada Lakhmi Chand State University of Performing & Visual Arts, Rohtak, came into existence in 2014
- Presently, there are four Faculties with 15 undergraduate degree-level programmes. Postgraduate programmes and PhD programme in three faculties. (Faculty of Design, Architecture and Visual Arts)
- Implementation of NEP 2020 from 2024.



FACULTY OF VISUAL ARTS

Courses offered: UG, PG, and PhD

1. Department of Applied Art
2. Department of Painting
3. Department of Sculpture
4. Department of Animation & Multimedia
5. Department of Printmaking



FACULTY OF DESIGN

Courses offered: UG, PG, and PhD

1. Department of Fashion Design
2. Department of Fashion & Lifestyle Design
3. Department of Product Design
4. Department of Textile Design



FACULTY OF FILM & TELEVISION

Courses offered: UG

1. Department of Direction
2. Department of Editing
3. Department of Audiography
4. Department of Acting
5. Department of Cinematography



FACULTY OF PLANNING AND ARCHITECTURE

Courses offered: UG, PG, and PhD

- **Department of Planning and Architecture**



VISUAL ARTS- Annual Art Exhibition



Art event- Abhivyanjana









- "Abhivyanjana" a celebration where creativity, culture, and expression come alive, showcasing the vibrant spirit and talent of every student.
- DLCSUPVA, Rohtak proudly presents "Abhivyanjana " the 11th Annual Art Exhibition A vibrant showcase of imagination, passion, and artistic excellence by our talented students

Students' Exhibition at Village Rithal Chaupal (Community Based practice)



- **Hon'ble Vice Chancellor Dr. Amit Arya visited the three-day 'Guild Collective' exhibition at Village Rithal Phougat and shared his wishes and words of encouragement for the talented students of DLCSUPVA Rohtak.**

Students' Exhibition at Village Rithal Chaupal





FACULTY OF DESIGN



FACULTY OF DESIGN





Product Design

Innovation, creativity, and problem-solving took centre stage as Product Design students showcased their visionary projects.





Fashion Design- Discussion with Industry Experts





Textile Design – Industry visit on Dyeing, Weaving, Washing & Finishing





Fashion & Lifestyle Design- Presentations and project showcases



FACULTY OF FILM & TELEVISION

Interaction with renowned actor **Saurabh Shukla,**
Studio Practice





Practice and recording sessions



Dance play and musical band





Department of Acting
Theatre: A Mirror of Self-Discovery





Cinematography
Renowned filmmaker Bela Negi conducted a filmmaking workshop for FTV students.





Cinematography
A 12-day Color Correction workshop by Mr Samir Srivastava (industry professional and former faculty member of FTII, Pune)
Students are learning color grading, color balancing, visual tone creation, and post-production techniques



A 12 days Music workshop by Renowned classical musician **Amod Bhatt**





Department of Audiography

Conducted a 12-day workshop for students. Led by renowned Bollywood sound designer Stephen Gomes, known for films like Swades and Bajrangi Bhaijaan, the workshop provides hands-on training in real-world sound recording, equipment handling and ambient sound.





NSD Presents 25th Bharat Rang Mahotsav





Shri Atul Gangwar, Director of Vardaan International Film Festival, met the Hon'ble Vice Chancellor, expressing his heartfelt gratitude for his valuable support and guidance.

DLCSUPVA, Rohtak alumnus director Ranjeet Chauhan



- Visited the university to extend an invitation for the premiere of the movie 'License'.
- The film marks a historic moment as the first Haryanvi film to achieve a worldwide release, with a remarkable 80% of the crew from DLCSUPVA Rohtak.

Mr Ashish Nehra (Faculty), along with students, proudly represented DLCSUPVA at the prestigious International Film Festival Delhi, Cinexchange 2026



Our student-produced short film, Jogai Parivar, has been selected for screening at the 21st Within the Family International Film Festival in Russia.





FACULTY OF PLANNING AND ARCHITECTURE



FACULTY OF PLANNING AND ARCHITECTURE





Our student served as the Unit Secretary of the 68th year (2024-26) at NASA India.
From design studios to the national stage, the DLCSUPVA, ROHTAK delegation of 28 architecture students and 2 faculty members proudly represented the university at the 68th Annual NASA Convention hosted by Woxsen University, Hyderabad.





(SECs) Job Roles
FACULTY OF VISUAL ARTS

Department of Applied Art

- Graphic Designer
- Illustrator
- Packaging Designer
- Brand Designer
- Printing
- Freelance
- Photographer

Department of Painting

- Professional Artist
- Portrait Artist
- Mural Artist
- Art Teacher
- Art Conservator
- Gallery Assistant
- Workshop Trainer

FACULTY OF VISUAL ARTS

Department of Sculpture

- Monument Artist
- Clay Model Maker
- Restoration Artist
- Exhibition Designer
- Studio Assistant
- Craft Entrepreneur

Department of Animation & Multimedia

- 2D & 3D Animator
- Motion Graphics Designer
- Video Editor
- VFX Artist
- Game Artist
- Multimedia Designer
- Storyboard Artist
- Freelance Animator

FACULTY OF DESIGN

Department of Fashion & Lifestyle Design

- Fashion Designer
- Fashion Illustrator
- Fashion Stylist
- Costume Designer
- Fashion Merchandiser
- Fashion Entrepreneur

Department of Product Design

- Product Designer
- Furniture Designer
- Industrial Designer
- Packaging Designer
- Lifestyle Product Designer
- Product Development Executive

FACULTY OF DESIGN

Department of Textile Design

- Textile Designer
- Surface Pattern Designer
- Weaving Designer
- Embroidery Designer
- Fabric Development Executive
- Textile Quality Controller
- Textile Entrepreneur

FACULTY OF FILM & TELEVISION

Department of Direction

- Film Director
- Assistant Director
- Script Supervisor
- Production Coordinator
- Creative Director
- Casting Assistant
- Content Creator

Department of Editing

- Video Editor
- Film Editor
- Digital Content Editor
- Promo Editor
- Assistant Editor
- Post-production Assistant
- Motion Graphics Assistant

FACULTY OF FILM & TELEVISION

Department of Audiography

- Sound Recordist
- Audio Engineer
- Sound Editor
- Mixing Assistant
- Studio Recording Assistant
- Podcast Audio Producer

Department of Acting

- Film Actor
- Theatre Artist
- Voice-over Artist
- Dubbing Artist
- Anchor/Presenter
- Commercial Model
- Content Creator

FACULTY OF FILM & TELEVISION

Department of Cinematography

- Cinematographer
- Camera Operator
- Assistant Cameraperson
- Director of Photography (DOP) Assistant
- Lighting Technician
- Studio Camera Operator
- Photography Assistant

Akshram

Renowned musician Anu Malik inaugurated our students' art exhibition at the Akshram Event hosted by GJU of Science and Technology, Hisar





Akshram



Akshram
Students presented a spectacular fashion show



Akshram
Students showcased their creativity through captivating sculpture & painting art.





Akshram
Students delivered a powerful नुक्कड़ नाटक that captivated the audience.





Shiksha Mahakhumb, Mohali





Initiatives undertaken for industry linkage, employability enhancement, RPL, & future skill development.

- **Industry Linkage:**
- Training and Placement Cell coordinates students' summer training in various sectors such as advertising companies, gaming industries, art galleries, design houses, and under architectural or interior design firms
- Interaction sessions with industry experts.
- The programmes maintain strong industry linkages through internships, live projects, workshops, expert lectures, industrial visits, design exhibitions, portfolio reviews, and collaborations with industry professionals, enabling students to gain practical exposure and professional networking.
- **Future-oriented**-Skill Development: MOU with RUHIL Technology on AI

Calligraphy workshop - Padma Shri Achyut Pallav, Visual Arts students' summer internship-H&P Studio, Mohali





Expert lectures by eminent Bollywood actor Sh. Pawan Malhotra



Worksop- National Artist's Camp





Institutional mechanism/frameworks developed by the university

- Our Incubation Centre- registered as a Section 8 Company
- We have registered with the HR Government and with MSME
- The first startup is in process.

Thank you

Follow-up Workshop on "Skill-based Courses & Micro-Credentials in Higher Education"

Prof. Manish Kumar
Department of Food and
Director Skill courses
GJUS&T, Hisar

Prof. Munish Gupta
Department of Mechanical
Engineering
GJUS&T, Hisar

GJUST at a Glance

Institutional Excellence

- NAAC A+ Accredited University
- Category-II Autonomous University (UGC)
- 31 Teaching Departments | 88 Regular Academic Programmes
- Centre for Distance & Online Education (CDOE)
- Centre for skill development courses

National & Global Recognition

- 73rd in India in Times Higher Education (THE) World University Rankings 2026
- Only Haryana State University featured in THE World & Asia Rankings in Engineering, Life Sciences and Physical Sciences
- 32nd among State Public Universities in NIRF 2025
- 49th in Pharmacy (NIRF 2025)
- **Gold Category – NEP Implementation Excellence Award 2025**
- 29th in India in UI GreenMetric World University Rankings 2025

GJUST at a Glance



GJUST at a Glance

Research & Innovation Strength

- 5,893 Scopus-indexed publications
- 1,34,240 Scopus citations
- Scopus h-index: 143
- Average Citation per Paper: 22.77
- Participant in GIAN Phase-V (MoE, Government of India)

Strong Foundation for Skill-Based Higher Education

- NEP-2020 Implementation
- Outcome-Based Education
- Industry Interaction
- Innovation & Incubation Ecosystem
- Research-led Teaching
- Digital & Flexible Learning through CDOE

Under the Vision of Our Hon'ble Vice-Chancellor

Best Practices Adopted for Integrating and Implementing Skill-Based Courses in Mainstream Higher Education

B.Voc. (Food Processing & Engineering) – Skill-Based Vocational Programme

•Industry-oriented programme focused on practical skills and employability.
•Provides hands-on training in food processing, milling, baking, post-harvest technology, product development, and food safety.
•Enhances management, data analysis, and entrepreneurship skills.
•Includes laboratory practicals, industrial visits, internships, and project-based learning.
•NSQF-aligned pathway: Certificate (Level 4) → Diploma (Level 5) → Advanced Diploma (Level 6) → B.Voc. Degree (Level 7).

Short-Term Certificate Course
German Language & Communication (Level A2)

Course	Credits
Basics of German Language & Grammar (Level A2)	3
Oral Communication in German (Level A2)	3

•Duration: 110 Hours
•Total Credits: 6 Credits (3 + 3)

➢Enhance listening, speaking, reading, and writing skills.
➢Strengthen global employability through foreign language competency.

•NEP-2020 implemented in **Undergraduate Programmes** (UTDs & Affiliated Colleges) and **Five-Year Integrated Programs** (2024 Onwards)

•NEP-2020 implemented in **Postgraduate Programmes** (2025 onwards)

•All B.Tech. programmes under revised curriculum with NEP features from this session (i.e. 2026-27)

NEP-2020 Based Curriculum Integration (List of Courses)

- Skill-based learning embedded across UG and PG programmes in line with NEP-2020.
- Introduction of Skill Enhancement Courses (SECs) as credit-bearing components.
- Integration of Value Added Courses (VACs), Ability Enhancement Courses (AECs), Multidisciplinary Courses (MDCs), internships and project work to improve employability.
- Flexible curriculum allowing students to acquire industry-relevant competencies.

These are embedded across Engineering, Food Technology, AI & Data Science, Management and other professional programmes

Project-Based Skill Development

Action Implemented at GJUS&T

"**Idea to Innovation Lab**" course introduced across all B.Tech. Engineering (First Year) programmes under the NEP-2020 curriculum.

The important Key Takeaways for introducing this course are

- Project based Learning by Doing,
- Innovation through Projects
- Skill Development
- Industry Readiness

Credit-Based Skill Education and Hands on Learning Ecosystem

- Skill Enhancement Courses (SECs) offered as credit-based courses under CBCS/NEP framework.
- Credits recorded in academic transcripts and linked with ABC wherever applicable.
- Industry-oriented curriculum through expert lectures, workshops, industrial visits, and emerging technology-based skill modules.
- Hands-on learning through laboratories, projects, experiential learning, and practical training.
- Integration of MOOCs courses as value addition.
- Focus on developing industry-ready skills and competencies.

Online Certificate Courses

Centre for Distance and Online Education, GJUS&T Hisar, in collaboration with HKCL, started online job-ready certificate courses designed to develop learners to take up specific industry roles in various sectors. These courses provide both **theoretical knowledge and practical skills**, ensuring that graduates are **well-prepared for the demands of the job market**.

- As per NEP
- NSQF aligned Job Ready Courses
- Credit Stored in ABC Bank
- LMS Based Delivery

GJUS&T–HKCL Online Certificate Courses

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Sr. No.	Certificate Course	Duration (Months)	Skill
1	Certificate in Information Technology	3	IT-ITeS
2	Certificate in Financial Accounting	3	BFSI / Accounting
3	Certificate in Advanced Accounting	4	BFSI / Accounting
4	Certificate in Advanced Excel	4	IT-ITeS
5	Certificate in AutoCAD	4	Construction / Engineering
6	Certificate in IT Network Support	3	IT-ITeS
7	Certificate in IT Desktop & Hardware Support	4	IT-ITeS
8	Certificate in IT Security Support	3	IT-ITeS (Cyber Security)

9	Certificate in Office Assistance	3	Management & Entrepreneurship
10	Certificate in Photo Editing	3	Media & Entertainment
11	Certificate in CorelDRAW (DTP)	3	Media & Entertainment
12	Certificate in Adobe (DTP)	3	Media & Entertainment
13	Certificate in Graphic Designing	3	Media & Entertainment
14	Certificate in Web Designing	4	IT-ITeS
15	Certificate in Video Editing	3	Media & Entertainment
16	Certificate in C & C++ Programming	4	IT-ITeS
17	Certificate in English Communication & Soft Skills	3	Employability Skills

Details of Skill Enhancement Courses (SECs) Being offered to Affiliated Colleges

Implementation at GJUST

- Skill Enhancement Courses (SECs) have been introduced in affiliated colleges under the **NEP-2020 curriculum framework**.
- SECs are offered as credit-bearing courses in undergraduate programmes as per the Scheme approved by the University.
- The University prescribes the curriculum, credit structure, and assessment scheme, while affiliated colleges deliver the courses.

Pool of Skill enhancement courses for Affiliated Colleges
(UG Programmes)



Guru Jambheshwar University of Science and Technology, Hisar-125001, Haryana
('A++' NAAC Accredited State Govt. University)

UG Programme as per National Education Policy-2020

Pool of Skill Enhancement Courses (SEC)
(w.e.f. Session 2024-25)

Skill Enhancement Courses (SEC): These courses aim at imparting practical skills, hands-on training, soft skills, etc. to enhance the employability of students. It consists of either 1 credit Lecture or 2 credits Lectures and 1 credit Practicum.

Department/ Subject	Arts, Humanities and Social Sciences					
	Semester-I		Semester-II		Semester-III	
	3 credits		3 credits		3 credits	
	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
Business Administration, Commerce	C24SEC101T	GST Return Filing	C24SEC201T	Digital Marketing	C24SEC301T	Startup and Entrepreneurship
	C24SEC102T		C24SEC202T		C24SEC302T	
Computer Science	C24SEC103T OR C24SEC203T OR C24SEC303T	Office Tools OR Advance Spread Sheet Tools OR Data Analysis using C	C24SEC103T OR C24SEC203T OR C24SEC303T	Office Tools OR Advance Spread Sheet Tools OR Data Analysis using C	C24SEC303T OR C24SEC203T OR C24SEC203T	Office Tools OR Advance Spread Sheet Tools OR Data Analysis using C
	C24SEC103P OR C24SEC203P OR C24SEC303P	Office Tools Lab OR Advance Spread Sheet Tools Lab OR Data Analysis using C Lab	C24SEC103P OR C24SEC203P OR C24SEC303P	Office Tools Lab OR Advance Spread Sheet Tools Lab OR Data Analysis using C Lab	C24SEC303P OR C24SEC203P OR C24SEC303P	Office Tools Lab OR Advance Spread Sheet Tools Lab OR Data Analysis using C Lab
Commercial Art, Designing and Painting	C24SEC104T	Introduction to Design	C24SEC204T		C24SEC304T	
	C24SEC104P	Introduction to Design Lab				
Defence Studies	C24SEC105T	Study of Terrorism	C24SEC205	Defence Awareness	C24SEC305T	
Economics	C24SEC106T	Computer Applications in Economics-I	C24SEC206T	Computer Applications in Economics-I	C24SEC306T	

	C24SEC104P	Computer Applications in Economics-I Lab	C24SEC204P	Computer Applications in Economics-II Lab	C24SEC304P	
English	C24SEC105T	Soft Skills	C24SEC205T	Public Speaking and Presentation Skills	C24SEC305T	Digital Storytelling and Multimodal Composition Multimodal
	C24SEC105P	Soft Skills Lab	C24SEC205P	Public Speaking and Presentation Skills Lab	C24SEC305P	Digital Storytelling and Multimodal Composition Multimodal Lab
Fashion Designing	C24SEC106T	Basics of Clothing Construction	C24SEC206T	Hand Embroidery	C24SEC306T	
	C24SEC106P	Basics of Clothing Construction Lab	C24SEC206P	Hand Embroidery Lab	C24SEC306P	
Geography	C24SEC107T	Surveying Techniques	C24SEC207T	Interpretation of Maps and Toposheets	C24SEC307T	
	C24SEC107P	Surveying Techniques Lab	C24SEC207P	Interpretation of Maps and Toposheets Lab	C24SEC307P	
Health and Physical Education	C24SEC108T	Health Education	C24SEC210T	Basic Anatomy and Physiology	C24SEC310T	
	C24SEC108P	Health Education Lab	C24SEC210P	Basic Anatomy and Physiology Lab	C24SEC310P	
Hindi	C24SEC112T	[illegible]	C24SEC211T	[illegible]	C24SEC311T	
	C24SEC112P	[illegible]	C24SEC211P	[illegible]	C24SEC311P	
History	C24SEC113T	Glimpses of Ancient India	C24SEC212T	Glimpses of Medieval India	C24SEC312T	
Home Science	C24SEC110T	Hand Fabric and Printing Dyeing Techniques	C24SEC213T	Ice Cream and Chocolate Craft	C24SEC313T	
	C24SEC110P	Hand Fabric and Printing Dyeing Techniques	C24SEC213P	Ice Cream and Chocolate Craft	C24SEC313P	
Mass Communication and Video Production	C24SEC114T	Report Writing	C24SEC214T	Video Production	C24SEC314T	Still Photography
Music (Instrumental)	C24SEC115T	Hands on Musical Instruments-I	C24SEC215T	Hands on Musical Instruments-II	C24SEC315T	
	C24SEC115P	Hands on Musical Instruments-I Lab	C24SEC215P	Hands on Musical Instruments-II Lab	C24SEC315P	

Department/ Subject	Sciences					
	Semester-I		Semester-II		Semester-III	
	3 credits		3 credits		3 credits	
	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course	Course Code	Nomenclature of Course
Biotechnology	C24SEC126T	Biofertilizer and Biopesticide Production Technology	C24SEC226T	Medical Laboratory Technology	C24SEC326T	Basics of Forensic Science
	C24SEC126P	Biofertilizer and Biopesticide Production Technology Lab	C24SEC226P	Medical Laboratory Technology Lab	C24SEC326P	Basics of Forensic Science Lab
Botany	C24SEC127T	Mushroom Cultivation	C24SEC227T	Organic Farming	C24SEC327T	Floriculture
	C24SEC127P	Mushroom Cultivation Lab	C24SEC227P	Organic Farming Lab	C24SEC327P	Floriculture Lab
Chemistry	C24SEC128T	Basic Laboratory Techniques	C24SEC228T	Chromatographic Techniques, Food and Water Analysis	C24SEC328T	Fuel Chemistry
	C24SEC128P	Basic Laboratory Techniques	C24SEC228P	Chromatographic Techniques, Food and Water Analysis	C24SEC328P	Fuel Chemistry
Computer Science	C24SEC103T	Office Tools	C24SEC203T	Advance Spread Sheet Tools	C24SEC303T	Data Analysis using C
	C24SEC103P	Office Tools Lab	C24SEC203P	Advance Spread Sheet Tools Lab	C24SEC303P	Data Analysis using C Lab
Mathematics	C24SEC129T	Graphing Software Mathematics	C24SEC229T	Linear Algebra through SAGE Game Theory	C24SEC329T	Basics of Cryptography
	C24SEC129P	Graphing Software Mathematics	C24SEC229P	Linear Algebra through SAGE Game Theory	C24SEC329P	Basics of Cryptography
Physics	C24SEC130T	Instrumentation-I	C24SEC230T	Instrumentation-II	C24SEC330T	Numerical Techniques
	C24SEC130P	Instrumentation-I Lab	C24SEC230P	Instrumentation-II Lab	C24SEC330P	Numerical Techniques Lab
Zoology	C24SEC131T	Apiculture	C24SEC231T	Fish Farming	C24SEC331T	Vermiculture and Vermicomposting
	C24SEC131P	Apiculture Lab	C24SEC231P	Fish Farming Lab	C24SEC331P	Vermiculture and Vermicomposting Lab

Assessment

- Internal assessment
- Practical examinations
- Assignments and presentations
- Project work
- End-semester evaluation as per University norms

Quality Assurance

- University-approved syllabus.
- Periodic revision through Boards of Studies.
- Academic monitoring by University departments.
- Outcome-Based Education (OBE) approach with defined Course Outcomes.

SEC Job Roles and Corresponding NSQF Levels

•Formal mapping of SECs with NSQF Job Roles and Qualification Packs (QPs) in Regular courses has yet to be implemented at the University level.

•The University is exploring alignment of SECs with the National Credit Framework (NCrF), NSQF, and Academic Bank of Credits (ABC) to facilitate nationally recognized skill credentials

Initiatives Undertaken for Industry Linkage, Apprenticeship Integration, Employability Enhancement, RPL and Future-Oriented Skill Development

Industry Linkages

- Memoranda of Understanding (MoUs) with industries
- Organizations for internships, training, expert lectures and collaborative activities.
- Regular industrial visits, technical workshops and guest lectures by industry professionals.
- Industry experts participate in curriculum enrichment through Boards of Studies and academic interactions.
- CIIP strengthens industry–academia collaboration by facilitating consultancy, collaborative research, technology transfer, and intellectual property management, while promoting innovation and industry-relevant education.
- Pandit Deen Dayal Upadhyay Innovation & Incubation Centre (PDUIIC) promotes industry collaboration, innovation and entrepreneurship.



T&P Cell Accomplishments | Session 2025–2026

- 559 On/Off-Campus Placements across 86 Companies (Placements still going)
- Placements in leading companies including ***Infosys, TCS, Flipkart, JBM Group, ICICI Bank, HDFC Life, UFlex, Bacardi, ISGEC, Gujarat Gas, Varun Beverages, DIC India, IOAGPL, Munjal Showa, VVDN, Cosmo First, HDB Financial, ICICI Prudential, Brady India & Kandhari Beverages***
- + 49 Students selected for SE Profile and 12 for DSE Profile at Infosys
- **279 Last-Semester Internships facilitated for B.Tech, MBA & MCA students**
- Two Job Fairs: CareerVerse–2026 & ACAD–2026
- One Mega Summer Internship Fair: Intern-Utsav–2026

Internship Integration

•Internship is integrated into several professional programmes as per AICTE/ and University regulations.
•Students undertake industrial training and project work in industries during semester breaks and.
•Industry-based projects and practical exposure are encouraged to strengthen work-readiness.

Employability Enhancement

•Aptitude, quantitative ability, reasoning and coding preparation programmes.
•Soft skills, communication skills, personality development and interview preparation.
•Resume writing, group discussion and mock interview sessions.
•Career counselling and guidance for higher education and competitive examinations. **(Aptitude Club, Speakathon Club, Industry Interaction Club, Coding Club, Udbhavana Club, Internship Club & Competitive Exams Club)**

Innovation & Entrepreneurship

- Encouragement for prototype development, startup incubation, and participation in innovation competitions.
- Faculty mentoring and multidisciplinary team innovative projects and startups to address real-world engineering and societal challenges.
- Financial support for converting their innovative ideas into product development in terms seed money for the selected innovative projects.
- Financial support For skill development by conducting Workshops/Seminars/Hackathon modules and Industrial and educational visits.
- Dedicated Infrastructure & Facilities to Promote skill development and incubation and innovation for students

Recognition of Prior Learning (RPL)

•The University will initiate steps towards developing an institutional framework for Recognition of Prior Learning (RPL) in phased manner.

•The framework aims to recognize prior experiential and workplace learning in alignment with NEP-2020 and HSHEC.

Innovative Institutional Mechanisms / Frameworks Developed by GJUST

- NEP-2020-driven academic reforms have enabled systematic integration of skill-based, multidisciplinary and experiential learning across programmes.
- Institutional mechanisms such as Training & Placement Cell, Innovation & Incubation initiatives by PDUIIC, and industry collaborations provide a strong ecosystem for innovation, entrepreneurship and employability.
- Continuous curriculum revision, Outcome-Based Education (OBE) and digital learning initiatives ensure that academic programmes remain aligned with evolving industry and societal needs.
- ***Going forward, GJUST aims to strengthen NSQF/NCrF alignment, Recognition of Prior Learning (RPL), apprenticeship integration and Academic Bank of Credits (ABC) to build a future-ready, learner-centric and industry-responsive higher education ecosystem.***

Thanks

Skill-Based Courses & Microcredentials in Higher Education

Workshop Organized by Haryana State Higher Education Council
24th July, 2026

Presented by: Gurugram University , Gurugram

GURUGRAM UNIVERSITY AT A GLANCE



COURSES OFFERED BY THE UNIVERSITY



SKILL INTEGRATION AND NEP IMPLEMENTATION



INTEGRATED SKILL DEVELOPMENT FRAMEWORK

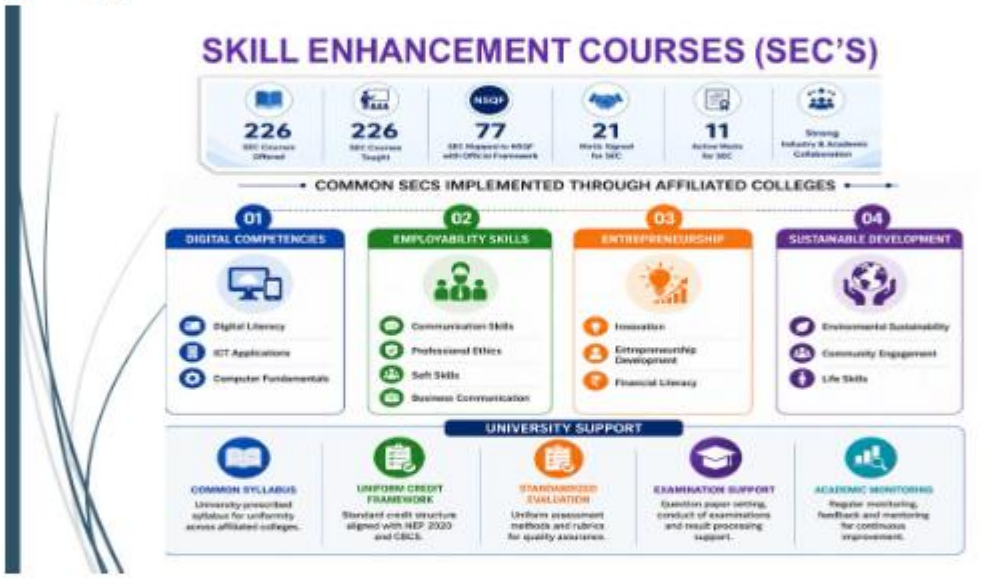


MICRO CREDENTIALS OFFERED

29	21	08

S. NO.	COURSE TITLE	TYPE OF COURSE
01	Post Graduate Diploma in Educational Management and Leadership	POST GRADUATE DIPLOMA
02	Post Graduate Diploma in Information and Communication Technology & Artificial Intelligence in Education (PGDICTAI)	POST GRADUATE DIPLOMA
03	Advanced Certificate Course in Clinical Research	ADVANCED CERTIFICATE COURSE
04	Certificate in German (Part-Time)	CERTIFICATE (PART-TIME)
05	Certificate in Japanese (Part-Time)	CERTIFICATE (PART-TIME)
06	Certificate Programme in German	CERTIFICATE PROGRAMME
07	Certificate Programme in Japanese	CERTIFICATE PROGRAMME
08	Certificate Programme in Spanish	CERTIFICATE PROGRAMME


IDENTIFIED MICRO CREDENTIALS AREAS @ GURUGRAM UNIVERSITY
OUR MICROCREDENTIALS ECOSYSTEM
TECHNOLOGY & DIGITAL SKILLS
HEALTH & WELL-BEING
SUSTAINABILITY & ENVIRONMENT
MANAGEMENT & ENTREPRENEURSHIP
EDUCATION & TEACHING
HUMANITIES, ARTS & COMMUNICATION
APPLIED SCIENCES & INTERDISCIPLINARY


SKILL ENHANCEMENT COURSES (SEC'S)
226
226
77
21
11
COMMON SECS IMPLEMENTED THROUGH AFFILIATED COLLEGES
01 DIGITAL COMPETENCIES
02 EMPLOYABILITY SKILLS
03 ENTREPRENEURSHIP
04 SUSTAINABLE DEVELOPMENT
UNIVERSITY SUPPORT
COMMON SYLLABUS
UNIFORM CREDIT FRAMEWORK
STANDARDIZED EVALUATION
EXAMINATION SUPPORT
ACADEMIC MONITORING


SECS, JOB ROLES AND NSQF LEVELS
SKILL CLUSTER
REPRESENTATIVE SECS
INDICATIVE JOB ROLES
NSQF LEVEL
1. DIGITAL & EMERGING TECHNOLOGIES
2. BUSINESS, FINANCE & MANAGEMENT
3. COMMUNICATION & DIPLOMACY
4. ENTREPRENEURSHIP & INNOVATION
5. MEDIA & COMMUNICATION
6. FOREIGN LANGUAGES
7. INDIAN KNOWLEDGE SYSTEMS (IKS)
8. MOOCs & DIGITAL CONTENT DEVELOPMENT

INDUSTRY LINKAGES AND EMPLOYABILITY INITIATIVES



STARTUP AND INCUBATION INITIATIVES



BEST PRACTICES @ GURUGRAM UNIVERSITY




FUTURE ROADMAP
01
EXPANSION OF MICROCREDENTIALS
02
GREATER NSQF MAPPING OF SECs
03
INDUSTRY-CERTIFIED SHORT-TERM COURSES
04
IMPLEMENTATION OF RPL
05
STRONGER APPRENTICESHIP ECOSYSTEM
06
INCREASED COLLABORATIONS WITH INDUSTRIES IN GURUGRAM
07
INTEGRATION WITH NATIONAL CREDIT FRAMEWORK (NCF)


THANK YOU

Indira Gandhi University (IGU), Rewari, Haryana, India

24th July 2026

Skill based learning and micro credentials at IGU

11 August 2026 Prof. Pankaj K. Tyagi 1

Indira Gandhi University (IGU), Rewari, Haryana, India

- A state University Established under the Haryana Act 29 of 2013.
- Recognised u/s 12(B) & 2f of UGC act 1956
- Prior to this, it functioned as a PG Regional Centre of MDU Rohtak since 1988.





11 August 2026 Prof. Pankaj K. Tyagi 2

Overview of the University



- 14 Faculties
- 27 Departments
- 54 Programmes (UG, PG & Ph.D.)
  12 UG/Diploma Programmes
  24 PG Programmes,
  18 Ph.D
- Implemented NEP-2020 from the 2024-2025 session

11 August 2026 Prof. Pankaj K. Tyagi 3





OFFICERS OF THE UNIVERSITY

DESIGNATION	NAME	CONTACT NUMBER
Hon'ble Chancellor	Prof. Ashim Kumar Ghosh (Governor of Haryana)	—
Vice-Chancellor	Prof. Aseem Miglani	01274-248011
Registrar	Prof. Dilbag Singh	01274-248555
Dean Academic Affairs	Prof. Sunil Kumar	01274-248011
Dean of Colleges	Prof. Deepak Gupta	9255405507
Dean Students' Welfare	Prof. Karan Singh	8219271126
Proctor	Prof. Tej Singh	9416372012
Controller of Examinations	Dr. Vipul Yadav	9412297789
Chief Warden	Prof. Satish Kumar	9812491644
Librarian	Prof. Pankaj Kumar Tyagi	9045096732
Finance Officer	---	--

DEANS OF THE FACULTIES

Faculty	Name of the Dean
Behavioural and Cognitive Sciences	Dr. Bijender
Commerce, Management, Tourism & Hospitality	Prof. Aditi Sharma
Earth and Space Sciences	Dr. Vipin Kumar
Education	Prof. Karan Singh
Engineering & Technology	Prof. Satinder Bal
Humanities	Prof. Nikhilesh Yadav
Law	Prof. Tej Singh
Life Sciences	Prof. Pankaj Kumar Tyagi
Pharmaceutical Sciences	Prof. Sunil Kumar
Physical Sciences	Prof. Rashmi Pundeer
Social Sciences	Prof. Satish Kumar
Sports Science	Dr. Shruti
Indic Studies	Prof. Deepak Gupta
Art, Aesthetic & Design	Prof. Romika Batra Sukhija

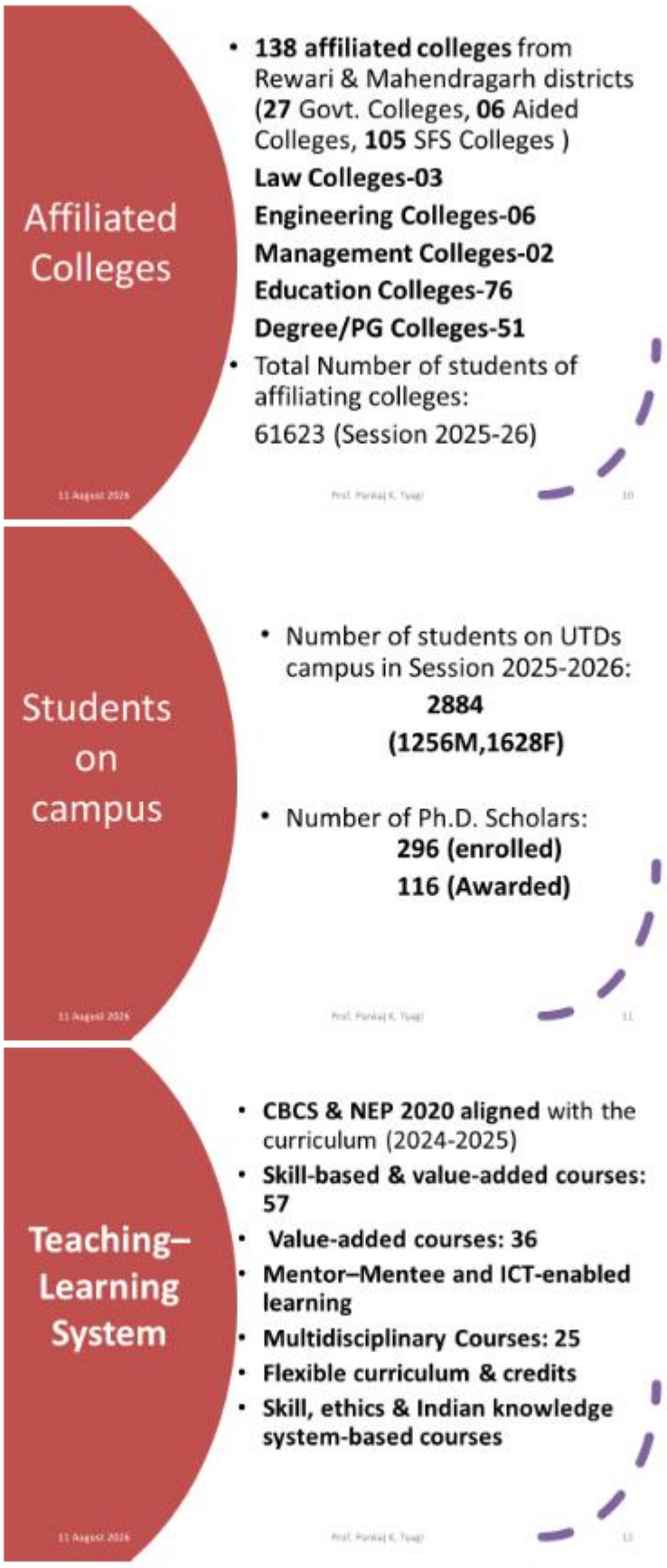
CHAIRPERSONS OF THE UNIVERSITY TEACHING DEPARTMENTS

Sr. No.	Department	Name of Chairpersons
1	Biotechnology	Dr. Ramesh Kumar
2	Botany	Prof. Pankaj Kumar Tyagi
3	Commerce	Prof. Ravindra
4	Chemistry	Prof. Karan Singh
5	Computer Science & Engineering	Prof. Satinder Bal
6	Defence Studies	Dr. Mukesh Kumar
7	Economics	Prof. Satish Kumar
8	Education	Prof. Karan Singh
9	English	Prof. Romika Batra Sukhija
10	Environmental Sciences	Dr. Suman
11	Geography	Dr. Vipin Kumar
12	Hindi	Dr. Manju Puri
13	History	Prof. Satish Kumar
14	Hotel & Tourism Management	Prof. Aditi Sharma
15	Journalism & Mass Communication	Prof. Nikhilesh Yadav
16	Law	Prof. Tej Singh
17	Management	Prof. Ritu Bajaj
18	Mathematics	Sh. Satish Kumar
19	Pharmaceutical Sciences	Prof. Sunil Kumar
20	Physics	Prof. Sunil Kumar
21	Political Science	Dr. Mukesh Kumar
22	Physical Education	Prof. Karan Singh
23	Psychology	Dr. Bijender
24	Sanskrit	Prof. Deepak Gupta
25	Social Work	Dr. Devinder Singh
26	Yoga	Dr. Shruti
27	Zoology	Prof. Pankaj Kumar Tyagi

11 August 2020 Prof. Pankaj K. Tyagi 8

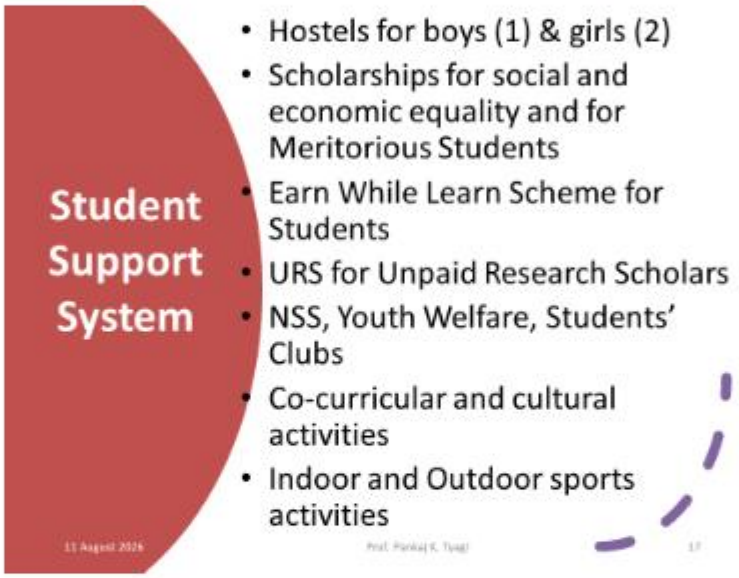
OTHER OFFICERS OF THE UNIVERSITY

Sr. No.	Name of Office/Directorate	Name of Officers	Designation/Role
1.	Research and Development	Prof. Pankaj Kumar Tyagi	Director
2.	University Computer Centre	Prof. Satinder Bal	Director
3.	National Services Scheme	Dr. Mukesh Kumar	Coordinator
4.	Public Health Management	Prof. Sunil Kumar	Director
5.	Public Relations Office	Dr. Ishwar Sharma	Public Relations Officer
6.	RTI Cell	Dr. Mahabir Narak	SPIO
7.	Youth Red Cross	Prof. Samridhi	Programme Coordinator
8.	University Health Centre	Dr. Hemant Kumar Singh Yadav	Director
9.	NIRF	Prof. Pankaj Kumar Tyagi	Nodal Officer
10.	Internal Quality Assurance Cell (IQAC)	Prof. Vikas Batra	Director
11.	Sports	Dr. Ashok Kumar Yadav	Director
12.	IPR Cell	Prof. Sunil Kumar	Director
13.	Horticulture	Dr. Sushant Yadav	Assistant Director
14.	ASHE	Sh. Naveen Kumar	Nodal Officer
15.	Training & Placement Cell	Prof. Ravindra	Director
16.	Women Cell	Prof. Rashmi Pundeer	Convener
17.	SC/ST Cell	Prof. Tej Singh	Coordinator
18.	Unnat Bharat Abhiyan	Dr. Manju Puri	Program Coordinator
19.	Haryana Institute for Public Policy and Good Governance	Prof. Ravindra	Coordinator
20.	University Centre for Competitive Examination	Dr. M. S. Narak	
21.	International Affairs Cell	Dr. Ramesh Kumar	
22.	IKC Cell	Prof. Deepak Gupta	
23.	Centre for Skill Enhancement & Professional Development (SEPD)	Prof. Ritu Bajaj	
24.	Alumni Cell	Prof. Samridhi	
25.	Women Study Centre	Dr. Manju Puri	
26.	National Education Policy (NEP) 2020	Prof. Rashmi Pundeer	
27.	National Education Evaluation and Validation (NEEV)	Prof. Rashmi Pundeer	
28.	Vikas Bharat Abhiyan	Prof. Ritu Bajaj	
29.	Elections	Dr. Sunil Kumar	
30.	UGC ERANNAM And UTSAV	Dr. Reena Rani	
31.	UGC & AIU	Dr. Bharti	
32.	University Centre for Indian Knowledge System (UCIKS)	Dr. Vipin Kumar	
33.	Internship Cell	Prof. Pankaj Kumar Tyagi	
34.	Career Counselling Cell	Dr. Suman	
35.	Incubation Centre	Dr. Ramesh Kumar	
36.	India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR) – National Institute of Disaster Management (NIDM)	Dr. Jasvinder Singh	
37.	Nehru Coordination Centre and Nasha Mukt Bharat Abhiyaan	Dr. Birender Singh	
38.	Anti Drug Awareness Cell	Dr. Birender Singh	


Affiliated Colleges
• 138 affiliated colleges from Rewari & Mahendragarh districts (27 Govt. Colleges, 06 Aided Colleges, 105 SFS Colleges)
Law Colleges-03
Engineering Colleges-06
Management Colleges-02
Education Colleges-76
Degree/PG Colleges-51
• Total Number of students of affiliating colleges:
61623 (Session 2025-26)
Students on campus
• Number of students on UTDs campus in Session 2025-2026:
2884
(1256M,1628F)
• Number of Ph.D. Scholars:
296 (enrolled)
116 (Awarded)
Teaching–Learning System
• CBCS & NEP 2020 aligned with the curriculum (2024-2025)
• Skill-based & value-added courses: 57
• Value-added courses: 36
• Mentor–Mentee and ICT-enabled learning
• Multidisciplinary Courses: 25
• Flexible curriculum & credits
• Skill, ethics & Indian knowledge system-based courses


University Teaching Staff
• Regular qualified & experienced faculty with Interdisciplinary expertise: 87 + 45 =132
19 - Professor
16 - Associate Professor
52 - Assistant Professor
45 -Resource Persons
Active participation in Teaching & Research.
11 August 2026
Prof. Pankaj K. Tyagi
13
Research Ecosystem
• Directorate of Research & Development
487+ - SCI/SCIE/Scopus publications
6567 - Scopus Citations
36- h-index
• Patents granted, published and filed: 20
• 07 - Granted,
09 - Published
04 - Filed
11 August 2026
Prof. Pankaj K. Tyagi
14
Research Ecosystem
• Funded Research Projects: 05 - Completed
10 - Awarded/Under Process (Approx. 1.95 Cr)
DST inspire -35L (Physics)
HSCSIT-16 L (Physics)
HSHEC-9 L (Physics)
DAE Consortium Indore -0.6 L (Physics)
HSCIT-21L (Chemistry)
HSHEC-13.5L (Economics)
HSHEC-34 L (Zoology)
AICTE- 33L (CSE)
ANRF-30L (Math)
National Meditional Plant Board, 5.4L (Pharmacy)
07 – Applied to different funding agencies such as ICSSR, ICMR, SERB, HSHEC
11 August 2026
Prof. Pankaj K. Tyagi
15


University Established Centre to strengthen Traditional Knowledge and Vocational Competencies
11 August 2026
University Centre for
Indian Knowledge System (UCIKS)
Dr. Vipin Kumar
University Centre
Skill Enhancement and
Professional Development (SEPD)
Prof. Ritu Bajaj


Student Support System
11 August 2026
Hostels for boys (1) & girls (2)
Scholarships for social and economic equality and for Meritorious Students
Earn While Learn Scheme for Students
URS for Unpaid Research Scholars
NSS, Youth Welfare, Students' Clubs
Co-curricular and cultural activities
Indoor and Outdoor sports activities


Beyond the Classroom Activities of Students
11 August 2026
15 Vibrant Clubs (Literacy, Music, Dance, Fine Arts, etc.) supported by DYW and DSW.
Representation at the State, Zonal and National levels.
IGU proudly secured the 3rd Position in Mime, Dance, and Qawwali at the AIU National Youth Festivals in Chennai and Hyderabad.
Winning 6 medals, All India Inter-University Championships, including 3 Silver, 3 Bronze medals in Archery, Boxing, Wushu, Jujutsu and 1 silver in wrestling, 2 Bronze in kayaking in Khelo India University Games 2025-26.

MOUs: 20

GIEO GITA, GITA GYAN SANSTHANAM

Federation of Indian Industry (FII)

Sawaran Jayanti Haryana Institute of **Fiscal Management** for collaborative research and run joint short and long-term academic courses /programmes



11 August 2026 Prof. Pankaj K. Tyagi 19

Social Responsibilities

- **Various outreach programme such as financial literacy and Social awareness** programmes in surrounding villages through different UTDs, NSS, Youth Red Cross Unit, Unnat Bharat Abhiyan, DYW, DSW, etc.

11 August 2026 Prof. Pankaj K. Tyagi 20

NSS Award (Mr. Yogesh Kumar IGU NSS Volunteer)



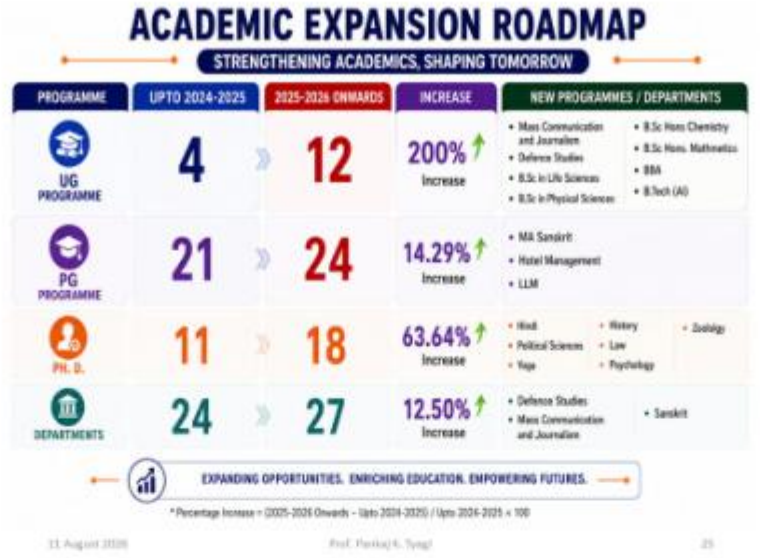
रेवाड़ी भास्कर 07-10-2025

योगेश चौधरी को राष्ट्रपति ने भव भारत एनएसएस पुरस्कार से किया सम्मानित



11 August 2026 Prof. Pankaj K. Tyagi 21


Projects Under Construction
1. Sports Excellence Centre Approved and Sanctioned Govt of Haryana, Rs 1.0 Cr)
2. Stadium (Admin Approval: 13.5 Cr)
A: Indoor Sports
B: Outdoor Sports
3. Construction of a 4-lane road (Admin Approval : 2.75Cr)
4. Extension of the Library and Faculty Quarters (Admin Approval Rs. 6.5 Cr)
5. Construction of Science Block (Admin Approval: Rs. 40.22 Cr)
11 August 2026
IGU Soon to Execute New Projects
1. Construction of SC Boys Hostel under PMAJAY Scheme (Admin Approval Rs. 18.00 Cr). Tenders received will be evaluated soon, and work will start by September 2026.
2. Administrative Block (Admin Approval: Rs. 52.65 Cr), Tendering is in Process.
3. University Guest House (Approved: Rs. 15.90 Cr)
4. Auditorium (Admin Approval: Rs. 48.69 Cr)
11 August 2026
New Proposal for Approval
1. New Teaching Block proposed and submitted for want of admin approval from the State government for (Rs 51.13Cr)
2. Vertical extension of Science block (S+3 to S+7)
3. The Sewage Treatment Plant Project is in the pipeline (Rs. 2.0 Cr)
11 August 2026


ACADEMIC EXPANSION ROADMAP
STRENGTHENING ACADEMICS, SHAPING TOMORROW
PROGRAMME
UPTO 2024-2025
2025-2026 ONWARDS
INCREASE
NEW PROGRAMMES / DEPARTMENTS
UG PROGRAMME
4
12
200% Increase
Mass Communication and Journalism
Defence Studies
B.Sc in Life Sciences
B.Sc in Physical Sciences
B.Sc Hons Chemistry
B.Sc Hons. Mathematics
BBA
B.Tech (AI)
PG PROGRAMME
21
24
14.29% Increase
MA Sanskrit
Hotel Management
LLM
PH. D.
11
18
63.64% Increase
Hindi
Political Sciences
Yoga
History
Law
Psychology
Zoology
DEPARTMENTS
24
27
12.50% Increase
Defence Studies
Mass Communication and Journalism
Sanskrit
EXPANDING OPPORTUNITIES. ENRICHING EDUCATION. EMPOWERING FUTURES.
* Percentage Increase = (2025-2026 Onwards - Upto 2024-2025) / Upto 2024-2025 x 100


RESEARCH ECOSYSTEM GROWTH
ADVANCING RESEARCH EXCELLENCE AND IMPACT
RESEARCH ECOSYSTEM
UPTO 2024-25
2025-26 ONWARDS
% INCREASE
NUMBER OF RESEARCH PAPERS
323
487
50.77% Increase
CITATION (SCOPUS AND WEB OF SCIENCES)
5225
6567
25.68% Increase
H - INDEX
30
36
20.00% Increase
RESEARCH PROJECTS
05
15
200.00% Increase
STRENGTHENING RESEARCH, INNOVATION AND GLOBAL IMPACT
RESEARCH EXCELLENCE
INNOVATION
GLOBAL VISIBILITY
FUNDING GROWTH


EFFORTS AND ACHIEVEMENTS
FOR THE UPLIFTMENT OF IGU
IN THE YEAR 2025-26
NEW SCIENCE BLOCK
Ready for operation of 07 Science departments
FOUR-LANE EXPANSION
of the university road on campus
EFFORTS TOWARDS GREEN ENERGY
in the form of the installation of Solar panels on the roofs of the academic block.
Building a Better Infrastructure for a Brighter Tomorrow

University at a Glance

11 August 2026 Prof. Pankaj K. Tyagi 19

Sardar Patel Bhawan

- Vice Chancellor's Office
- Registrar's Office
- Dean of Academic Affairs
- College Branch
- Accounts Branch
- Department of Botany and Zoology
- Department of Bio-Tech
- Department of Environmental Sciences
- Department of Chemistry



11 August 2026 Prof. Pankaj K. Tyagi

Swami Vivekanand Bhawan

- Department of Pharmaceutical Sciences
- Department of Geography
- Department of Physics
- Department of Mathematics
- Department of Computer Science and Engineering



11 August 2026 Prof. Pankaj K. Tyagi

Rao Tularam Bhawan

- Department of Commerce
- Department of Social Work
- Department of Hotel Management
- Department of Political Science
- Department of Management
- Department of Economics
- Department of Yoga



UIET Building

- Controller of Examination Office
- Registration and Scholarship Branch
- Department of Law
- Department of English
- Department of Hindi
- Department of Psychology
- Department of Journalism and Mass Communication
- Department of History



New Science Block

- Department of Chemistry
- Department of Physics
- Department of Zoology
- Department of Biotechnology
- Department of Botany
- Department of Mathematics



Atal Bihari Vajpayee Library



Atal Bihari Vajpayee Library

Particulars	Details
Area of Library	3300 Sqm.
Seating Capacity	490 (including e-library)
Total no. of Books	74525
No. of Reference Books	4216
No. of Online Journals	ONOS / Rafread
e-Books	Yes
Newspapers	16
Magazines	40
Recorded Visitors	52030 (Approx)
Software/Data base Available	Turntin, Inflibnet, Delnet, Grammarly, Shodhganga etc

Maharana Partap Boys Hostel

- Chief Warden: **Dr. Satish Kumar**
- Warden: **Dr. Jaipal Singh Rajput**
- 60 Rooms
- Total Capacity 120 Students
- One Common Room
- Mess Cooperative



Bhagini Nivedita Mahila Chatrawas



- Hostel Warden : Dr. Sangeeta
- Floors: 8
- Total Rooms: 128
- Total Capacity: 256

Facilities - Lift Facility, Wi-Fi Connectivity, Air-Conditioned Mess- Air-Conditioned Common Room and Reading Hall- Indoor sports facilities - Indoor Gym is available - Solar Panel Backup - Power Back using Generator- RO Water and Water Geysers- 24x7 availability of Security and caretaker



Rani Laxmi Bai Girls Hostel



- Hostel Warden : Dr. Sangeeta
- Total Rooms : 60
- Total Capacity: 120 Students
- One Mess Room
- One Common Room

Sports: Indoor and Outdoor Stadium under construction









Glimpse of IGU

11 August 2026 Prof. Pankaj K. Tyagi 40

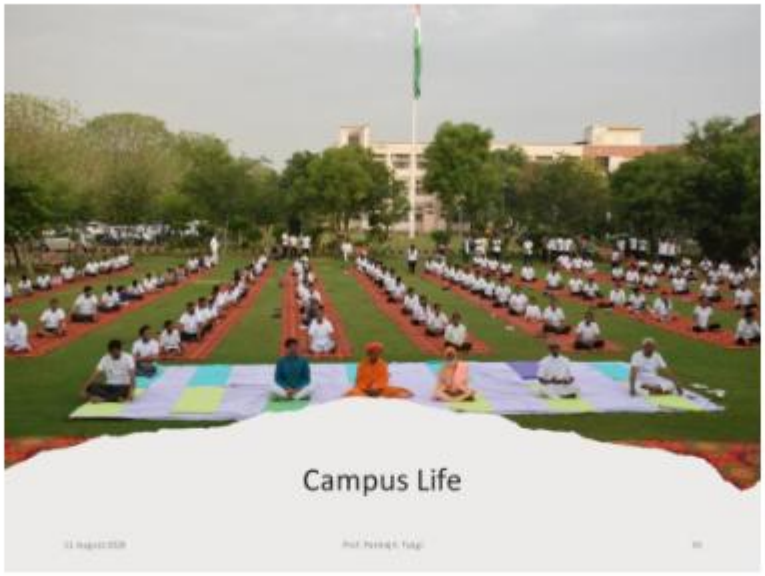


Sports Achievements



खेलो इंडिया प्रतिस्पर्धा में आईजीयू के विद्यार्थियों का शानदार प्रदर्शन जारी

KHELO India


Campus Life




Indira Gandhi University Meerpur, Rewari
Inter-Zonal Youth Festival








इन्दिरा गाँधी विश्वविद्यालय मीरपुर, रेवाड़ी
दिवसीय राष्ट्रीय संगोष्ठी
(बहु-विषयक)




इन्दिरा गाँधी विश्वविद्यालय
हिण्डोला






रेवाड़ी भास्कर 12-06-20
में गीता से संबंधित सर्टिफिकेट कोर्सों
होगी स्थापित, शोध को मिलेगा नया 3
MOUs GIEO GITA, GITA GYAN SANSTHANAM


Thank You
Thank You for Your Kind Attention
11 August 2026

PROGRESS REPORT ON SKILL BASED COURSES AND MICRO-CREDENTIALS BY MDU, ROHTAK

Prof. Yudhvir Singh
Director, Pt. Deen Dayal Upadhyaya Centre for Skill and Vocational Education (PT. DDUCSVE)
Maharshi Dayanand University, Rohtak

1. Best practices adopted for integrating and implementation skill-based courses and micro-credentials in mainstream Higher Education.

- The University has established the Pt. Deen Dayal Upadhyaya Centre for Skill and Vocational Education (Pt. DDUCSVE).
- The University has established Consortium for Student Capacity Building comprising:
  - Centre for Youth Skill Development
  - Centre for Soft Skills and Life Skills
  - University Centre for Competitive Examinations
  - Career Counselling and Placement Cell
- The University is offering 23 Employment Enhancement Certificate courses for imparting skills.
- Periodic faculty development workshops run through the Malaviya Mission Teacher Training Centre to upscale digital pedagogy and skill evaluation.

Programs organized to impart Employability Skills:

- Intensive 6-Week coding streams in Computer Science & Engineering/AIML w.e.f. 27th October, 2025.
- "Python Programming with Emerging Technologies" 15 days intensive hands-on workshop with III, Delhi under Meity Sponsored Multilevel Capacity Building and Skilling in Industry-Aligned Emerging Technologies.
- "Future Skills Prime Orientation-cum-Workshop" in Nov 2025 targeting emerging technologies by NASSCOM Future Skills.
- One-Day Technical IoT Workshop alongside Sofcon India Pvt. Ltd. on 21/11/2025.
- Focused Data Science seminar in partnership with Sofcon India on 21/11/2025.
- Orientation Program: General skill awareness drive organized in November 2025 for all students under the Faculty of Engineering & Technology.
- Executed Skill Orientation Workshop in collaboration with MSME Technology Centre on January 15, 2026 for students of Mechanical Engineering.
- Dual specialized orientation modules with MSME on January 17 & 19, 2026 for students of Electrical & ECE departments.
- "Skill Education & Abyas" on 22-23 June, 2026 focusing on holistic capacity development.

2. Details of Skill Enhancement Courses (SECs).

- Total number of Skill Enhancement Courses: 266
- List of all Skill Enhancement Courses offering in the University.

3. SEC job roles and corresponding NSQF Levels

- To maximize student industry readiness, University courses map directly to standard National Skills Qualifications Framework (NSQF) alignments.

Skill Enhancement Course (SEC)	Target Industry Job Role	Mapped NSQF Level
Python Programming & AI	Junior Data Analyst / Software Developer	Level 5 / 6
Financial Accounting (Hartron Link)	Accounts Executive / Tax Assistant	Level 4
Marketing Communication	Social Media Executive / Sales Associate	Level 4
Hospitality & Services Management	Guest Relations Executive / Front Office Lead	Level 5

- The University is in the process of aligning the Skill Enhancement Courses offered with NSQF as well as Industrial needs.

4. Initiatives undertaken for industry linkage, apprenticeship integration, employability enhancement, RPL and future-oriented skill development.

- The MoUs for enhancing employability skills :

Sr. No.	Name of partnering Institution/Organization	Date of signing	Validity Upto	Purpose/Area of Collaboration
1.	CSRBOX Foundation (SMEC Trust), Swati Trinity, Applewood Township, A-404, Shela, Sarkhej-Okaf, Gujarat 380058	04.03.2025	03.03.2028	Student apprenticeship and training
2.	NASSCOM/IT-ITeS SECTOR SKILLS COUNCIL	04.03.2025	03.03.2028	Employability enhancement through placement in IT Sector
3.	Ruhil Future Technologies Private Ltd.	10.05.2025	09.05.2027	Entrepreneurship and Skill Developent in AI
4.	Classic Golf & Country Club, Landbase India Ltd. (ITC Hotels)	18.07.2025	17.07.2030	Offering Apprenticeship Embedded Degree Programs in Hospitality Industry
5.	Board of Apprenticeship Training (Northern Region), BOAT (NR), Kanpur	29.07.2025	28.07.2029	Training & Internship
6.	Avitri Intelligence Private Limited, New Delhi	27.05.2026	26.05.2030	Entrepreneurship and Skill Development in AI & Robotic

4. Initiatives undertaken for industry linkage, apprenticeship integration, employability enhancement, RPL and future-oriented skill development.

- The University has introduced two Apprenticeship Embedded Degree Program (AEDP) w.e.f. 2025-26 session:
  - BBA (Hospitality & Services Management)
  - BBA (Travel and Tourism Management)
- The University is offering 23 Employment Enhancement Certificate courses.
- The University is in the process of implementing Recognition of Prior Learning guidelines issued by the Haryana State Higher Education Council (HSHEC).
- University has initiated the implementation of PM Internship Scheme.
- University has conducted Industry-Academia meet on 25th August, 2025.
- University has established Centre for Innovation, Incubation, and Entrepreneurship.
- Establishment of Common Incubation Centre with the financial support of Ministry of Food Processing Industries for imparting skill development in the area of bakery products, Spice powder, cold pressed oil and multigrain nutribar is under process.

5. Any Innovative Institutional mechanisms/frameworks developed by the University in this regard.

- The Centre for Innovation, Incubation & Entrepreneurship (CIIE) provides seed funding, startup mentorship, and infrastructure support to convert student-led skill designs into micro-enterprises.
- Efforts are being made for having more MoUs with Industries for Internship of the students.
- Offering of Skill Enhancement courses in coordination with the experts from local Industries and NCR.
- Five specialized Centre for Excellence to be established in the University:
  - Sustainable Water and Green IT: tackling water logging and eco-friendly data centre cooling
  - Smart cold chain: solar powered "Farm-to-Fork" logistics for perishables
  - Urban waste to energy: modular 20-50 TPD gasification for smaller town
  - Economic observatory: AI-driven real time tracking of social economic and social dynamics
  - Heritage and Creative economy: Digital Haryanvi literature and GI-tagged handicraft design

THANKS

Follow-up Workshop on Skill-based Courses & Micro-Credential in Higher Education

MAHARSHI VALMIKI SANSKRIT UNIVERSITY

MUNDRI (KAITHAL)

Date: - 24-07-2026

Presented by

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Nodel Officer,
MVSU, Kaithal

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Presentation Outline

1. About University
2. Best Practices adopted for Integrating and Implementing Skill-based Courses in mainstream Higher Education
3. Best Practices by University
4. Skill Enhancement Courses (SEC)
5. SEC to Job Roles - Employment Mapping
6. Industry Linkage, Apprenticeship & Employability
7. Future Oriented Skill Development - AI Integration
8. Innovative Institutional Mechanisms
9. Outcomes & Way Forward
10. Way Forward & Best Practice Statement.

About University

- Haryana State's 1st Sanskrit University.
- University established in August 2018.
- University offered UG (B.A./shastri), PG (Acharya & M.A.) & Diploma Courses.
- NEP-2020 implemented in academic session 2022-23.
- 5 Research Centers established for research activities.
- 8 Teaching Departments and 24 Regular Academic Programmes.
- Skill based Higher Education.
- A campus school shall be established from 6th to 12th fully in Sanskrit.

Best Practices adopted for Integrating and Implementing Skill-based Courses in mainstream Higher Education

- **NEP Aligned Education**: Flexibility, multidisciplinary, holistic development, focus on Indian Knowledge System (IKS)
- **Skill Based and Employment Oriented Syllabus**: 70% Skill + 30% Theory model (Appropriate NSQF Levels mapped and QP-NOS aligned and shall be implemented by next academic year)
- **CBCS and Multiple Entry-Exit system:** Certificate (1 Yr), Diploma (2 Yr), Degree (3 Yr), Honours with Research (4 Yr)
- **ABC (Academic Bank of Credits):** Digital storage of credits, credit transfer across HEIs, student mobility
- **Outcome Based Education (OBE):** Clearly defined POs, PSOs, COs, attainment measurement
- **Value Added:** Integration of life skills, ethics, environmental consciousness, Indian ethos.

Best Practices by University

- Yoga Training awareness workshops are conducted at near by villages involving our students on a regular basis.
- University runs a professional Yoga Club.
- In Vedic Yagya, practical based education is provided by the department .
- 9 Kundiya Yagya Shala used for karamkand/Paurohitya practicals.
- Jyotish Pramarsh Kendra is established for Astrological consultancy.

Skill Enhancement Courses (SEC)

- ज्योतिष (Jyotish Vigyan): Vedic Astronomy, Siddhanta, Phalit, Muhurta, career in astrological consultation
- वास्तु (Vastu Shastra): Sthapatya Veda principles, residential/commercial Vastu, remedial Vastu
- संगणक (Computer Applications): Digital tools for Sanskrit manuscripts, e-content creation, IKS digitization
- कर्मकाण्ड / पौरोहित्य (Karmakand & Purohitya): Shodasha Samskara, Yajna procedures, temple rituals are taught in an authentic way.
- योग (Yoga): Patanjali Yoga Sutra, Hatha Yoga, Shatkarma, Therapeutic Yoga, Meditation
- भारतीय ज्ञान परम्परा (IKS): Vedas, Upanishads, Ayurveda, Nyaya, Ancient Indian Science & Mathematics

SEC to Job Role Mapping - From Learning to Livelihood

- ज्योतिष → **Astrology Consultant:** Private practice, Online consultation, TV/YouTube channels, Research. Average Income Potential: ₹10k-₹50K per month + Institutional Astrologer roles.
- वास्तु → **Vastu Consultant:** Real estate advisory, Architecture firms collaboration, Independent consultancy
- संगणक → **Digital Content Creator:** IKS e-content developer, Sanskrit software tools, MOOCs creator, YouTuber
- कर्मकाण्ड / पौरोहित्य → Dharma Guru in Indian Army, Temple Priest, Corporate Purohit, Event Purohit.

(Note: Dharm Guru in Indian Armed forces is a JCO position. Highly respected government job)

- योग → Yoga Teacher / Instructor: Schools, AYUSH centers, Wellness centers, International opportunities, Certified Yoga Protocol Instructor

Industry Linkage - Bridging Academia & Industry

- **MoUs with Industry Partners:** Yoga institutes, Astrology federations, Vastu associations, Tech companies, Temple trusts.
- **Industry Advisory Board (IAB):** Curriculum co-design, skill gap analysis, quarterly review meetings. (planned)
- **Guest Lectures & Master-classes:** Practitioners, Army JCOs, renowned astrologers, architects.
- **Live Projects:** Temple architecture documentation, Vastu audit of real properties, Digital archiving of manuscripts.
- **Outcome:** 100% syllabus relevance to market demand, enhanced credibility, placement network.

Apprenticeship and Employability

- **Internship Framework**: Mandatory 60 hours after 4th semester, 1 full semester apprenticeship in final year as per NEP (for honour's programme)
- **Internship Areas**: Astrology Kendra, Vastu firms, IT companies for digital content, Devasthanam Boards, Yoga & Naturopathy hospitals, Army units attachment
- **Employability Skills**: Communication in Sanskrit/English/Hindi, Client handling, Digital marketing for self-employment, Ethics & professionalism.
- Credit for Internship: 4-6 credits for on-the-job training, mapped in ABC

Recognition of Prior Learning (RPL)

- What is RPL? - Formal recognition of skills acquired informally through family tradition, temple training, gurukul.
- **Target Beneficiaries:** Traditional Purohits, Astrologers without degree, Yoga practitioners, Vastu practitioners.
- **Process:** Application → Skill Gap Assessment → Bridge Training (30-60 hrs) → Assessment → Certification (NSQF)
- **Benefits:** Entry into formal education via lateral entry, Credits in ABC, Higher education & job eligibility.
- **Example:** A temple priest with 10 years experience can get Certificate/Diploma via RPL + appear for JCO exam.

Future Oriented Skill Development

- Artificial Intelligence Integration:

- **AI in Jyotish**: Kundli software, AI-based panchang & prediction models (ethical use)

- **AI in Vastu**: 3D Vastu visualization, Auto CAD + AI, Virtual walkthroughs.

- **AI in Sanganka**: Sanskrit NLP, OCR for manuscripts, AI voice for shloka recitation, Chatbot for IKS.

- **AI in Yoga**: Posture correction using computer vision, Personalized yoga app.

- **Other Future Skills**: Augmented Reality for Yajna training, LMS based simulation, Digital Marketing & Personal Branding.
- **NEP Vision**: Technology use while preserving tradition - 'Techno-traditional' approach.

Innovative Institutional Mechanisms - University Ecosystem

1. **Skill Development Cell:** Nodal center for all skill courses, NSQF alignment, QP-NOS mapping, Assessment coordination. (Yet to established)
2. **Industry Advisory Board:** 50% members from industry, curriculum approval, placement support. (Yet to established)
3. **Internship Monitoring System**: Online portal for attendance, daily diary, mentor feedback, geo-tagged reporting. (Not complete established)
4. **Incubation & Innovation Cell:** Support for Astrology/Vastu/Yoga startups, IKS based product development.
5. **Digital Learning Platform (LMS):** MOODLE/SWAYAM based, e-content in Sanskrit/Hindi/English, Videos of rituals.
6. **Placement & Career Guidance Cell:** Dedicated JCO coaching, NET/JRF, Yoga certification (YCB), Entrepreneurship training.
7. **Alumni Monitoring System:** Tracking of graduates, alumni as mentors, industry connect, feedback loop for syllabus update.

Implementation Plan, Framework & Outcomes

- **Academic Architecture:** Foundation (IKS + Language) → Core Skill (SEC) → Internship → Specialization → Entrepreneurship
- **Assessment Reforms:** 40% Continuous, 30% Skill Demo, 30% Theory - Practical exams via actual yajna, actual yoga class, actual Vastu map.
- **Key Performance Indicators (KPIs):**
  - Placement: >75% self-employed/employed within 1 year.
  - Student in Army JCO / Temple Trusts: Target 20%
  - Digital Content: 200+ e-contents per year by students
  - Startups incubated: 1 per year
- **Social Impact:** Revival of IKS, Employment in rural areas, Preservation of temple culture, Global branding of Indian wisdom

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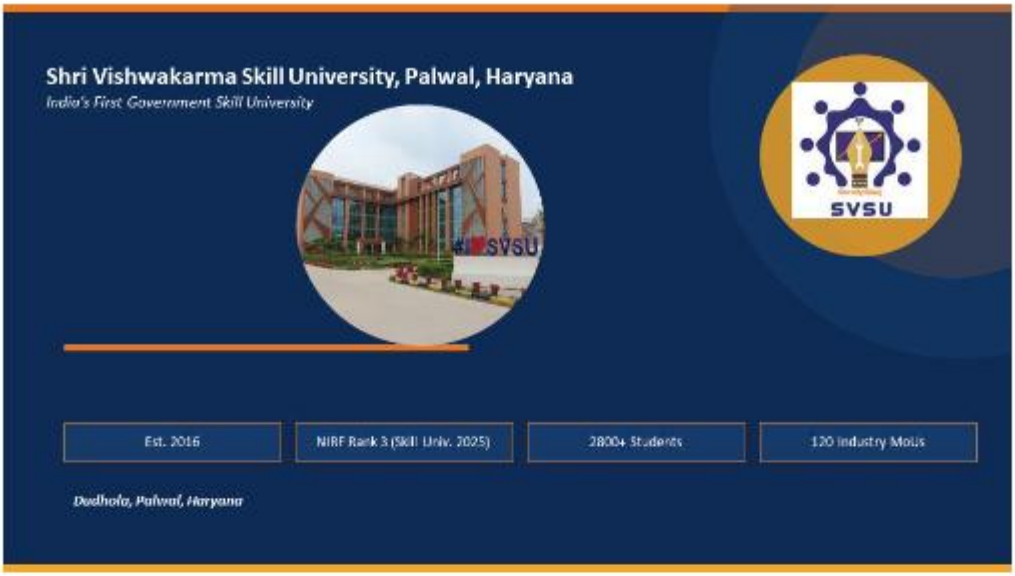
Way Forward & Best Practice Statement

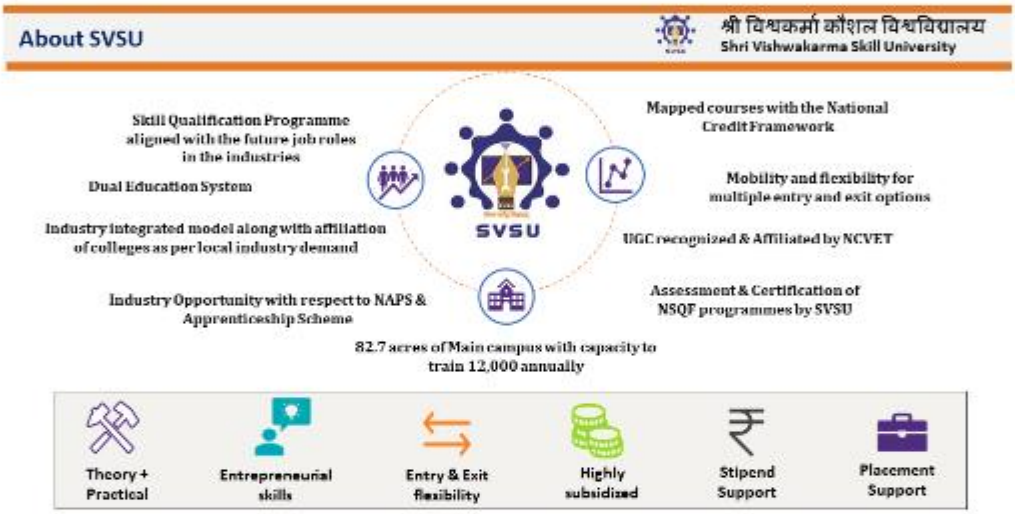
- 'Integrating Indian Knowledge System with Modern Skilling for Atmanirbhar Bharat'
- **Uniqueness:** Only model that maps Shastra to Rozgar, Tradition to Technology.
- **Scalability:** Can be replicated in all Sanskrit Universities.
- **Future Plan:** Centre of Excellence in Ramayana & Bhagawad Gita. Also for Jyotish/Vastu, International Yoga Certification Centre, Digital Purohit Training Simulator.
- **Motto:** 'ज्ञानं कौशलं रोजगारः' - Knowledge to Skill to Employment

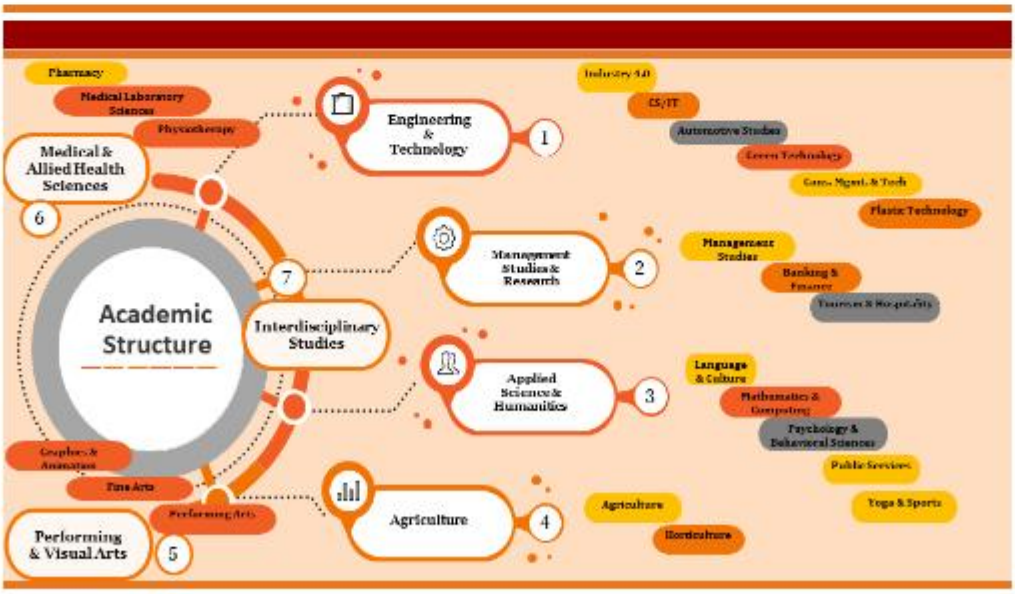
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धन्यवादः | Thank You

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Shri Vishwakarma Skill University, Palwal, Haryana
India's First Government Skill University
SVSU
Est. 2016
NIRF Rank 3 (Skill Univ. 2025)
2800+ Students
120 Industry MoUs
Dudhola, Palwal, Haryana


About SVSU
श्री विश्वकर्मा कौशल विश्वविद्यालय
Shri Vishwakarma Skill University
Skill Qualification Programme aligned with the future job roles in the industries
Dual Education System
Industry integrated model along with affiliation of colleges as per local industry demand
Industry Opportunity with respect to NAPS & Apprenticeship Scheme
Mapped courses with the National Credit Framework
Mobility and flexibility for multiple entry and exit options
UGC recognized & Affiliated by NCVET
Assessment & Certification of NSQF programmes by SVSU
SVSU
82.7 acres of Main campus with capacity to train 12,000 annually
Theory + Practical
Entrepreneurial skills
Entry & Exit flexibility
Highly subsidized
Stipend Support
Placement Support

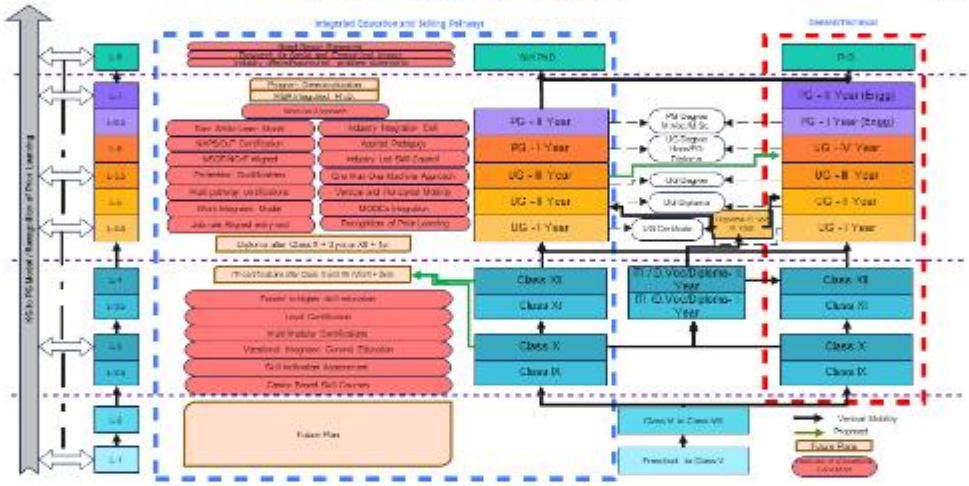

Academic Structure
Engineering & Technology
1
Management Studies & Research
2
Applied Science & Humanities
3
Agriculture
4
Performing & Visual Arts
5
Medical & Allied Health Sciences
6
Interdisciplinary Studies
7
Pharmacy
Medical Laboratory Science
Physiotherapy
Industry 4.0
CS/IT
Automotive Studies
Green Technology
Plastic Technology
Management Studies
Banking & Finance
Language & Culture
Mathematics & Computing
Psychology & Behavioral Sciences
Public Services
Yoga & Sports
Agriculture
Horticulture
Graphics & Animation
Fine Arts
Performing Arts

01

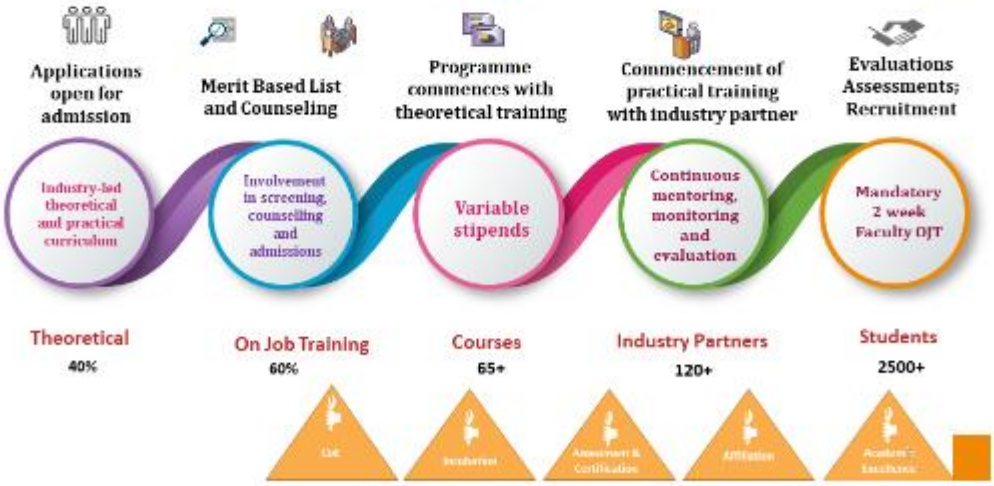


Best Practices for Implementing Skill Based Course & Micro Credentials, Job Roles and Corresponding NSQF Levels

SVSU Skill Model

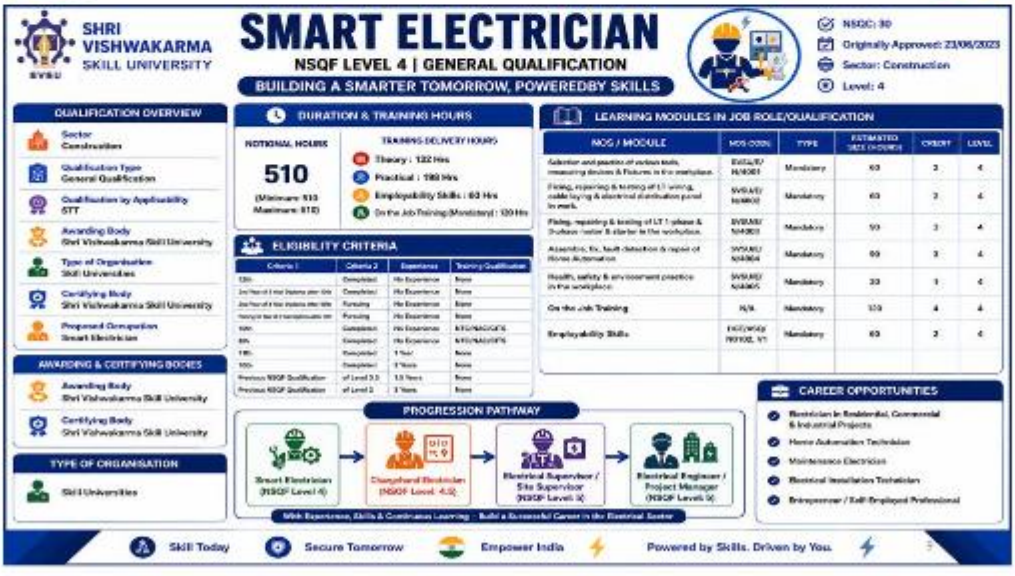


Programme Model and Pedagogy

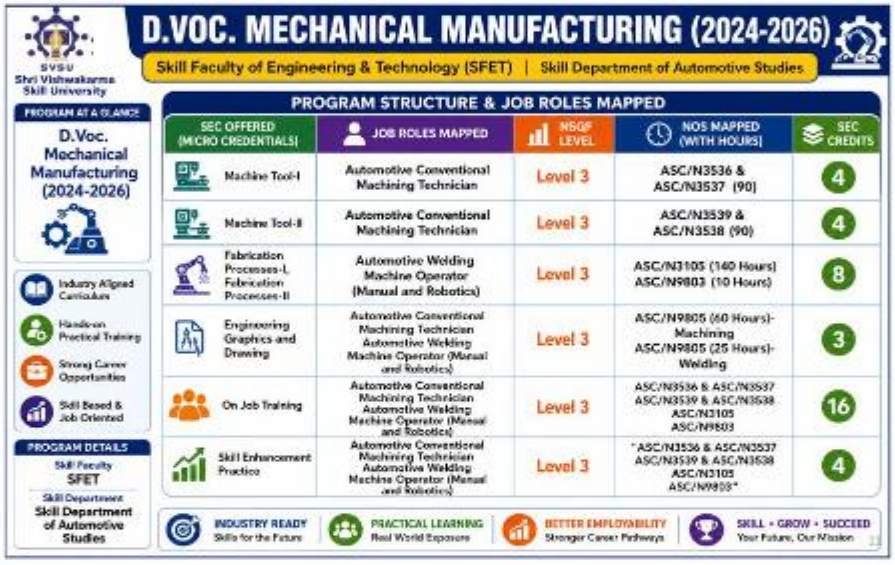


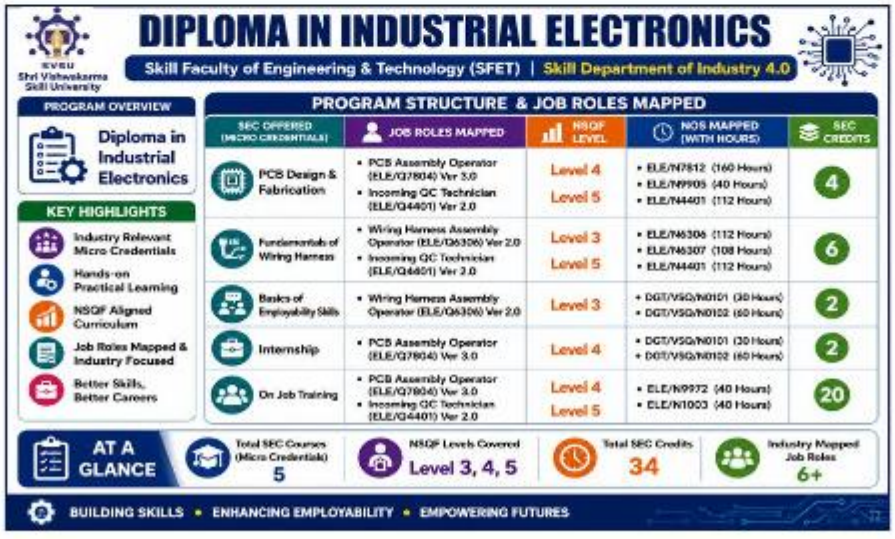

TYPES OF QUALIFICATION & TEMPLATES
DIVERSE QUALIFICATIONS FOR SKILL DEVELOPMENT & CAREER PROGRESSION
S.NO.
TYPE OF QUALIFICATION
ABBREVIATION
PRESCRIBED OF NOTIONAL HOURS
1 STT & LTT Qualifications Long Term Training (LTT) LTT >1200 Hours
2 National Occupation StandardsNOS Short Term Training (STT) STT <1200 Hours
3 Micro-Credentials (MCs) NOS NOS (MC) Above 30 Hours to 210 Hours
4 Nano Credential (NCs) MC MC (NC) 7.5 to 30 Hours
5 OEM Based Qualifications NC NC (OEM) 7.5 Hours
OTHER QUALIFICATION CATEGORIES
Defence Services Qualifications
Heritage, Multi-Skill, Cross Sectoral, Future Qualifications
Diploma Qualifications – For Higher Order Skilling, Long term skill Program for enhanced aspiration & mobility
KEY TAKEAWAYS
Structured qualifications to meet diverse learning needs
Flexible duration options for different career stages
Aligned with industry needs & future-ready skills
Enabling lifelong learning & career advancement
EMPOWERING SKILLS • ENHANCING EMPLOYABILITY • BUILDING A BETTER TOMORROW
BENEFITS OF NSQF ALIGNMENT
Standardization of Skills & Qualifications
Improved Quality and Employability
Pathways for Lifelong Learning & Mobility
Global Recognition & Benchmarking
NSQF – A STEP TOWARDS A SKILLED, COMPETENT & FUTURE-READY INDIA
Skill Today, Success Tomorrow


SHRI VISHWAKARMA SKILL UNIVERSITY
SVSU
PROGRAM-WISE QUALIFICATIONS, & JOB ROLES
INDUSTRY RELEVANT • SKILL ORIENTED • CAREER FOCUSED
PROGRAM
TYPE OF QUALIFICATION
NOS / QUALIFICATION CODE
TRAINING HOURS
JOB ROLE
MBA (LTT Qualification) NOS SVSU/M/N0037 90 Corporate Training Manager (Developed By SVSU)
NOS SVSU/M/N0038 90 Corporate Training Manager (Developed By SVSU)
BBA (LTT Qualification) NOS MEP/N0216 30 Office Assistant
NOS MEP/N0236 60 Office Assistant
Diploma in Industrial Electronics STT ELE/Q7804 >904 PCB Assembly Operator
B.Sc Yoga & Spiritual Science STT BWS/06593 510 Yoga Trainer
Mechatronics and Industrial Automation MC OEM Based Qualification 90 Upskilling for Industrial Automation
Pick & Carry Crane Operator STT OEM Based Qualification 390 Operator
Pick & Carry Service Technician STT OEM Based Qualification 298 Service Technician
INDUSTRY-ORIENTED QUALIFICATIONS
NSQF ALIGNED LEARNING PATHWAYS
SKILL-BASED EMPLOYABILITY
BETTER SKILLS BETTER CAREERS


SHRI VISHWAKARMA SKILL UNIVERSITY
SVSU
SMART ELECTRICIAN
NSQF LEVEL 4 | GENERAL QUALIFICATION
BUILDING A SMARTER TOMORROW, POWEREDBY SKILLS
NSQC: 30
Originally Approved: 23/08/2023
Sector: Construction
Level: 4
QUALIFICATION OVERVIEW
Sector Construction
Qualification Type General Qualification
Qualification by Applicability STT
Awarding Body Shri Vishwakarma Skill University
Type of Organisation Skill Universities
Certifying Body Shri Vishwakarma Skill University
Proposed Occupation Smart Electrician
AWARDING & CERTIFYING BODIES
Awarding Body Shri Vishwakarma Skill University
Certifying Body Shri Vishwakarma Skill University
TYPE OF ORGANISATION
Skill Universities
DURATION & TRAINING HOURS
NOTIONAL HOURS
510
(Minimum: 510 Maximum: 810)
TRAINING DELIVERY HOURS
Theory : 122 Hrs
Practical : 190 Hrs
Employability Skills : 60 Hrs
On the Job Training (Mandatory) : 120 Hrs
ELIGIBILITY CRITERIA
LEARNING MODULES IN JOB ROLE/QUALIFICATION
NOS / MODULE
MOS CODE
TYPE
ESTIMATED DURATION
CREDIT
LEVEL
Mandatory
On the Job Training
Employability Skills
PROGRESSION PATHWAY
Smart Electrician (NSQF Level 4)
Electrical Supervisor / Site Supervisor (NSQF Level 5)
Electrical Engineer / Project Manager (NSQF Level 6)
CAREER OPPORTUNITIES
Electrician in Residential, Commercial & Industrial Projects
Home Automation Technician
Maintenance Electrician
Electrical Installation Technician
Entrepreneur / Self-Employed Professional
Skill Today
Secure Tomorrow
Empower India
Powered by Skills. Driven by You.


SVSU
Shri Vishwakarma Skill University
Palwal, Haryana
SEC & Micro Credentials Mapping
Skill Faculty of Management Studies & Research (SFMSR)
Industry Aligned
Job Relevant
NSQF Compliant
Outcome Driven
Program: BBA (BPM & Analytics)
Department: SDMS
SFMSR SDMS
SEC / Micro Credentials
Job Roles Mapped
NSQF Level
NOS Mapped (With Hours)
SEC Credits
Fundamental of Computer Applications (P)
Office Assistant
Level 4
• MEP/N0216 (30 Hours)
3
Spread Sheets Modelling (P)
Level 4
• MEP/N0236 (63 Hours)
• MEP/N0241 (56 Hours)
3
On Job Training (Customer Care Voice/Non-Voice)
Customer Care Voice/Non-Voice
Level 4
• SSC/N3001 (60 Hours)
• SSC/N3002 (90 Hours)
• SSC/N3003 (90 Hours)
12
Internship
4
On Job Training (Customer Service Associate)
Customer Service Associate
Level 5.5
• MEP/N0215 (60 Hours)
• MEP/N9914 (30 Hours)
• MEP/N0216 (60 Hours)
12
Project
4
Program: B.Voc Management Financial Services
Department: SDBF
SFMSR SDBF
Marketing Management
Microfinance Executive
Level 3
• BSC/N2402 (120 Hours)
4
Sales Management of Financial Services
Microfinance Executive
Level 3
4
Entrepreneurship
Microfinance Executive
Level 3
• DGT/VSQ/N0102 (60 Hours)
4
Marketing of Financial Services
Mutual Fund Agent
Level 3
4
Consumer Behaviour
Mutual Fund Agent
Level 3
4
Excel in Business
Mutual Fund Agent
Level 3
2
Research Methodology
Credit Processing Officer
Level 4
• BSC/Q2304 (210 Hours)
• BSC/N2312 (210 Hours)
4
Retail Banking Operations
Credit Processing Officer
Level 4
4
On Job Training
Credit Processing Officer
Level 4
16
Industry Relevant
Aligned with real-world job roles and skills
NSQF Compliant
Mapped to appropriate NSQF levels
Credit Based
Flexible credit structure for learner progression
Career Focused
Enhancing employability and skill readiness


SVSU
Shri Vishwakarma Skill University
D.VOC. MECHANICAL MANUFACTURING (2024-2026)
Skill Faculty of Engineering & Technology (SFET) | Skill Department of Automotive Studies
PROGRAM AT A GLANCE
D.Voc. Mechanical Manufacturing (2024-2026)
Industry Aligned Curriculum
Hands-on Practical Training
Strong Career Opportunities
Skill Based & Job Oriented
PROGRAM DETAILS
Skill Faculty
SFET
Skill Department
Skill Department of Automotive Studies
PROGRAM STRUCTURE & JOB ROLES MAPPED
SEC OFFERED (MICRO CREDENTIALS)
JOB ROLES MAPPED
NSQF LEVEL
NOS MAPPED (WITH HOURS)
SEC CREDITS
Machine Tool-I
Automotive Conventional Machining Technician
Level 3
ASC/N3536 & ASC/N3537 (90)
4
Machine Tool-II
Automotive Conventional Machining Technician
Level 3
ASC/N3539 & ASC/N3538 (90)
4
Fabrication Processes-I, Fabrication Processes-II
Automotive Welding Machine Operator (Manual and Robotics)
Level 3
ASC/N3105 (140 Hours)
ASC/N9803 (10 Hours)
8
Engineering Graphics and Drawing
Automotive Conventional Machining Technician
Automotive Welding Machine Operator (Manual and Robotics)
Level 3
ASC/N9805 (60 Hours)- Machining
ASC/N9805 (25 Hours)- Welding
3
On Job Training
Automotive Conventional Machining Technician
Automotive Welding Machine Operator (Manual and Robotics)
Level 3
ASC/N3536 & ASC/N3537
ASC/N3539 & ASC/N3538
ASC/N3105
ASC/N9803
16
Skill Enhancement Practice
Automotive Conventional Machining Technician
Automotive Welding Machine Operator (Manual and Robotics)
Level 3
*ASC/N3536 & ASC/N3537
ASC/N3539 & ASC/N3538
ASC/N3105
ASC/N9803*
4
INDUSTRY READY
Skills for the Future
PRACTICAL LEARNING
Real World Exposure
BETTER EMPLOYABILITY
Stronger Career Pathways
SKILL • GROW • SUCCEED
Your Future, Our Mission


SVSU
Shri Vishwakarma Skill University
DIPLOMA IN INDUSTRIAL ELECTRONICS
Skill Faculty of Engineering & Technology (SFET) | Skill Department of Industry 4.0
PROGRAM OVERVIEW
Diploma in Industrial Electronics
KEY HIGHLIGHTS
Industry Relevant Micro-Credentials
Hands-on Practical Learning
NSQF Aligned Curriculum
Job Roles Mapped & Industry Focused
Better Skills, Better Careers
PROGRAM STRUCTURE & JOB ROLES MAPPED
SEC OFFERED (MICRO CREDENTIALS)
JOB ROLES MAPPED
NSQF LEVEL
NOS MAPPED (WITH HOURS)
SEC CREDITS
PCB Design & Fabrication
• PCB Assembly Operator (ELE/Q7804) Ver 3.0
• Incoming QC Technician (ELE/Q4401) Ver 2.0
Level 4
Level 5
• ELE/N7812 (160 Hours)
• ELE/N9905 (40 Hours)
• ELE/N4401 (112 Hours)
4
Fundamentals of Wiring Harness
• Wiring Harness Assembly Operator (ELE/Q6306) Ver 2.0
• Incoming QC Technician (ELE/Q4401) Ver 2.0
Level 3
Level 5
• ELE/N6306 (112 Hours)
• ELE/N6307 (108 Hours)
• ELE/N4401 (112 Hours)
6
Basics of Employability Skills
• Wiring Harness Assembly Operator (ELE/Q6306) Ver 2.0
Level 3
• DGT/VSQ/N0101 (30 Hours)
• DGT/VSQ/N0102 (60 Hours)
2
Internship
• PCB Assembly Operator (ELE/Q7804) Ver 3.0
Level 4
• DGT/VSQ/N0101 (30 Hours)
• DGT/VSQ/N0102 (60 Hours)
2
On Job Training
• PCB Assembly Operator (ELE/Q7804) Ver 3.0
• Incoming QC Technician (ELE/Q4401) Ver 2.0
Level 4
Level 5
• ELE/N9972 (40 Hours)
• ELE/N1003 (40 Hours)
20
AT A GLANCE
Total SEC Courses (Micro Credentials)
5
NSQF Levels Covered
Level 3, 4, 5
Total SEC Credits
34
Industry Mapped Job Roles
6+
BUILDING SKILLS • ENHANCING EMPLOYABILITY • EMPOWERING FUTURES


SHRI VISHWAKARMA SKILL UNIVERSITY
PROGRAM OFFERINGS & JOB ROLE MAPPING
SKILL FACULTY
SKILL DEPARTMENT NAME
NAME OF PROGRAM
SEC OFFERED (MICRO CREDENTIALS)
JOB ROLES MAPPED
NSQF LEVEL
NOS MAPPED (WITH HOURS)
SEC CREDITS
SFET
SDAS
B.Voc. Mechatronics
EduCAD Lab
Electrical & Electronics Workshop Lab
Industrial Automation Lab
Employability Skills
On Job Training
Level 4.5
40
SDAS
B.Voc. Mechanical Engineering/ Manufacturing Engineering
EduCAD Lab
Skill Practice-II
Skill Practice-III
Employability Skills
On Job Training
Level 4.5
Level 4.0
Level 4.5
Level 4.5
Level 4.5
40
TOTAL PROGRAMS
2
TOTAL MICRO CREDENTIALS
10
TOTAL JOB ROLES MAPPED
4
NSQF LEVEL COVERAGE
4.0 – 4.5
TOTAL NOS MAPPED
10
TOTAL SEC CREDITS
100
Industry-aligned • Skill-focused • Future-ready


SHRI VISHWAKARMA SKILL UNIVERSITY
PROGRAM OFFERINGS & JOB ROLE MAPPING
SKILL-FOCUSED • INDUSTRY-ALIGNED • FUTURE-READY
SKILL FACULTY
SKILL DEPARTMENT NAME
NAME OF PROGRAM
SEC OFFERED (MICRO CREDENTIALS)
JOB ROLES MAPPED
NSQF LEVEL
NOS MAPPED (WITH HOURS)
SEC CREDITS
SFET
Skill Faculty of Engineering & Technology
SDGT
Skill Department of Green Technology
B.Voc Solar Technology
Solar Panel Installation
Solar Panel Installation Lab
On Job Training
On Job Training
SOLAR INSTALLATION
INSTALLTION, SERVICE ENGINEER, MAINTENANCE
SOLAR PV PLANT OPERATOR, SITE INSTALLATION INCHARGE
4
4
2
B.VOC RAC
Minor Project (SEC)
On Job Training
On Job Training
TECHNICIAN, SERVICE AND MAINTENANCE
BUILDING HVAC OPERATOR, COLD STORAGE PLANT MANAGER
4.5
4
2
SDI4.0
Skill Department of Industry 4.0
B.Voc Robotics & Automation
Fundamental of Robotic and Automation Technology
Project
On Job Training
On Job Training
Welding Robot Operator
Mechatronics Technician
IOT Application Development Junior embedded developer
Automotive Automation and Robotics Engineer
Robotics Engineer
Level 4.5
Level 4.5
Level 4.5
Level 5
Level 5
4
7 (4+3)
8 (4+4) + 8
4
20
20
TOTAL PROGRAMS
2
TOTAL MICRO CREDENTIALS
14
TOTAL JOB ROLES MAPPED
14+
NSQF LEVEL COVERAGE
4.0 – 5.5
TOTAL NOS MAPPED
9
TOTAL SEC CREDITS
75
BUILDING SKILLS • ENHANCING OPPORTUNITIES • TRANSFORMING LIVES


SHRI VISHWAKARMA SKILL UNIVERSITY
PROGRAM OFFERINGS & JOB ROLE MAPPING
SKILL-FOCUSED • INDUSTRY-ALIGNED • FUTURE-READY
SKILL FACULTY
SKILL DEPARTMENT NAME
NAME OF PROGRAM
SEC OFFERED (MICRO CREDENTIALS)
JOB ROLES MAPPED
NSQF LEVEL
NOS MAPPED (WITH HOURS)
SEC CREDITS
SFMAHS
Skill Faculty of Medical & Allied Health Sciences
SDMLS
Skill Department of Medical Laboratory Sciences
B.Voc MLT (Medical Laboratory Technology)
Sample Collection, Preservation and Transportation
Medical Laboratory & Testing procedure
Phlebotomy & Ethics
Microbiology Testing Skills
Histotechnology & Histotechniques
Clinical Hematology
Project (Major & Minor)
On Job Training
Phlebotomist
Phlebotomist
Phlebotomist
Medical Laboratory Technician
Medical Laboratory Technician
Medical Laboratory Technician
Phlebotomist / Medical Laboratory Technician
Phlebotomist / Medical Laboratory Technician
Level 4
Level 4
Level 4
Level 4
Level 4
Level 4
Level 4
Level 4
HSS/N0610 HSS/N0611
HSS/N0612
HSS/N0615 HSS/N0616
HSS/N0603 HSS/N0604
HSS/N0602
HSS/N0602
HSS/N0605
HSS/N0605
4
4
4
4
4
4
4
28
TOTAL PROGRAM
1
TOTAL MICRO CREDENTIALS
8
TOTAL JOB ROLES MAPPED (UNIQUE)
2
NSQF LEVEL COVERAGE
4
(Level 4)
TOTAL NOS MAPPED
6
TOTAL SEC CREDITS
52
EMPOWERING HEALTHCARE PROFESSIONALS • ENHANCING SKILLS • TRANSFORMING LIVES

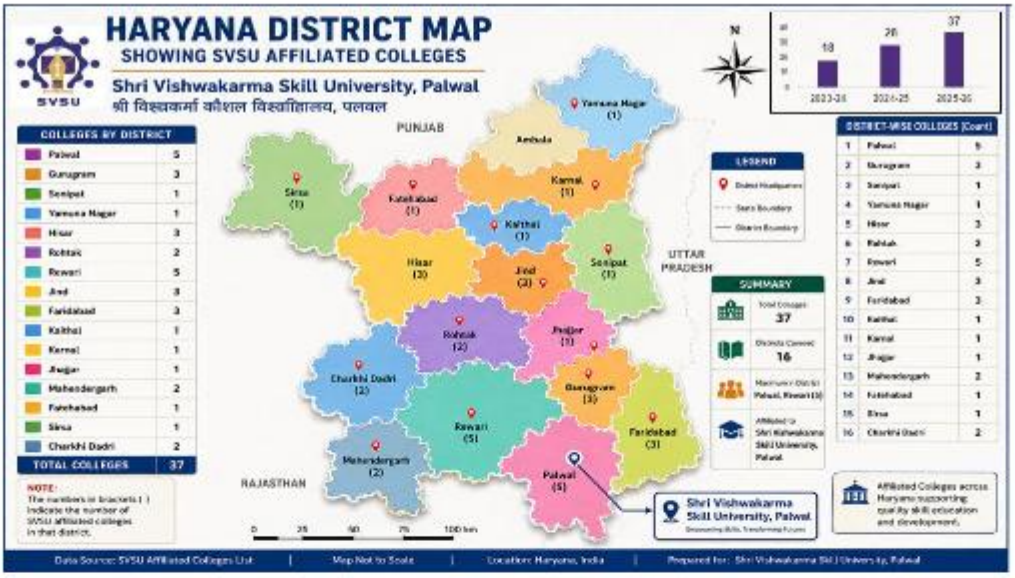


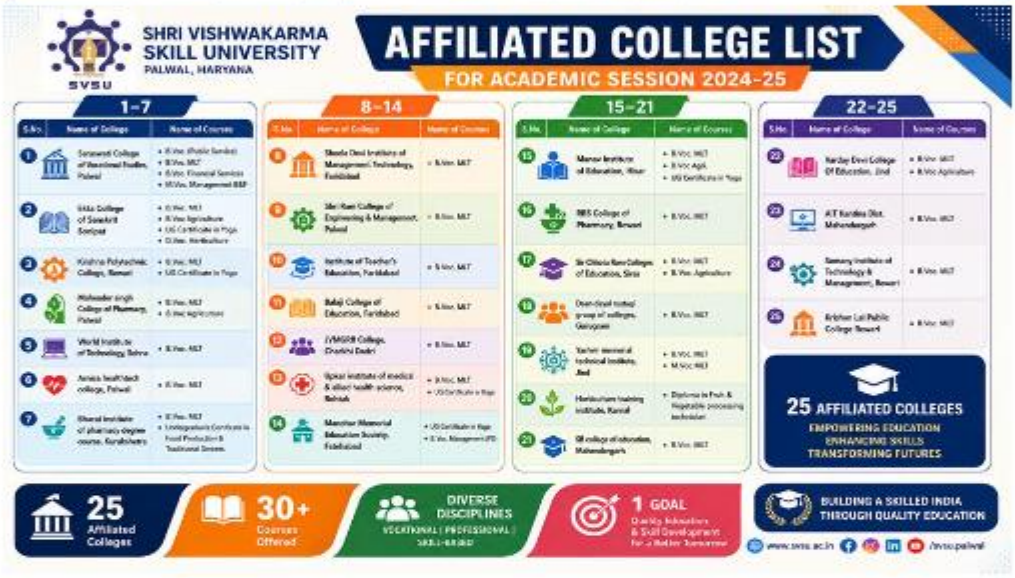


02



Details of SEC offered to Affilated Colleges

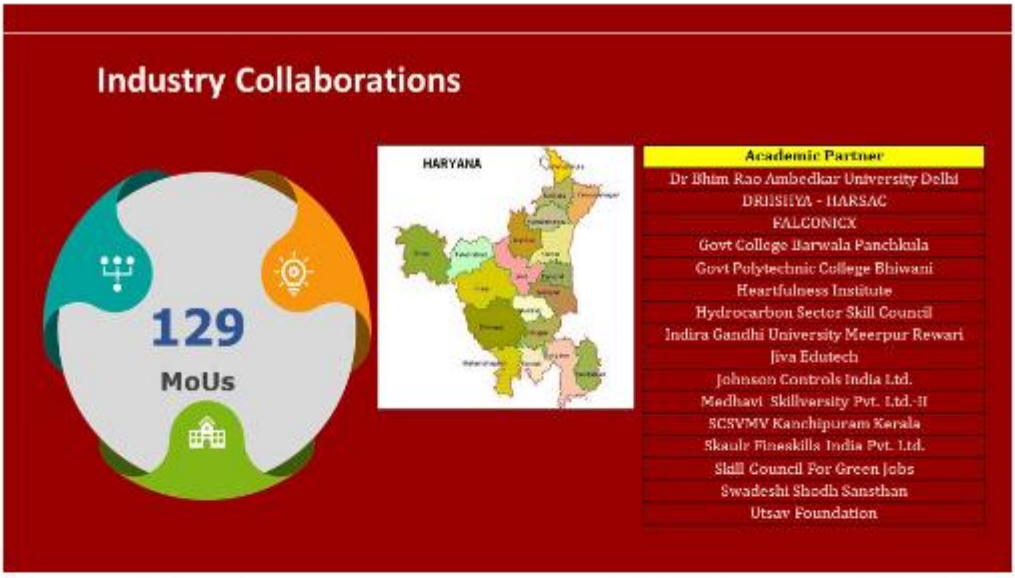




03



Initiative for Industry Linkages, Apperenticeship, RPL and Future Oriented Skills


Industry Collaborations
129
MoUs
HARYANA
Academic Partner
Dr Bhim Rao Ambedkar University Delhi
DRISHYA - HARSAC
FALCONICX
Govt College Barwala Panchkula
Govt Polytechnic College Bhiwani
Heartfulness Institute
Hydrocarbon Sector Skill Council
Indira Gandhi University Meerpur Rewari
Jiva Edutech
Johnson Controls India Ltd.
Medhavi Skillversity Pvt. Ltd.-II
SCSVMV Kanchipuram Kerala
Skaulz Fineskills India Pvt. Ltd.
Skill Council For Green Jobs
Swadeshi Shodh Sansthan
Utsav Foundation


MAJOR INDUSTRY PARTNERS
MARUTI SUZUKI
BIKANERVALA
Hero
Hero MotoCorp Ltd
CANTABIL
एनटीपीसी NTPC
A Maharatna Company
JBM
ANAND
CONCENTRIX
HDFC BANK
We understand your world
AICAS
ROOP
Imperial
senior Flexonics
mazars
Mount Talent
East West
ALS
SHIVANSH FARMING
AN INITIATIVE OF THE HANG FOUNDATION
Healthians
PADMINI VNA
cyfuture
BIRYANI BY KILO
Dixon
e-Ashva Automotive
AUTO-LEK
A TRUSTED NAME
IMPRI
HL Mando
COUNTRY
spencer's
farmas
bluegreens
GoPlow
COURTYARD
bmtpc
www.bmtpc.org
QUADSUN
edible routes
CITIZENS
MEDHAVI
DARKBLUE DEVOPS
J&K Bank
ZETRANCE
SRI SATHYA SAI


Latest Industry Integration Highlights...
MoU – HIGHLIGHTS
S. NO.
NAME OF THE INDUSTRY
PURPOSE OF SIGNING THE MoU
DETAILS
1 MTTTR Bhopal
For Training of Students of the Courses on PG Diploma in Semi-Conductor Packaging
Establishment of CoE
Through CSR Fund
Estimated Fees - 24 Lacs
2 Subros Ltd
Sponsored Batch for Subros Employees for MBA – Working Professional Program
Diploma/Graduate Trainee Scheme (DTS/GTS) of appx 200 nos at Manesar Plant & 100 nos at Khurkhoda Plant of Subros Ltd.
Monthly stipend of Rs 15,000 (1st Year) / Rs 15,050 (2nd Year) / Rs 17,050 (3rd Year)
3 Veo Gee Industrial Enterprises Pvt Ltd
Diploma/Graduate Trainee Scheme (DTS/GTS) at Veo Gee Plant at Faridabad & Pritala Plant.
Establishment of CoE
Short-term Course
Monthly stipend of Rs 16,900 (1st Year) / Rs 15,781 (2nd Year) / Rs 18,500 (3rd Year)
Sponsored by VGIEPL
4 Technico Industries Ltd
Diploma Trainee Scheme (DTS) at Bawal Plant for 200 nos
In Process.
5 Daikin
Establishment of CoE
Sponsored by Daikin
6 Bony Polymers
Sponsored Batch of Bony Polymers Employees for Short-term Courses on Rubber Technology
7 Bhavras Deoras Seva Nyas (BDSN)
GDA caregiving Training for deployment opportunity in Japan
KEY HIGHLIGHTS
CoE Setup
MBA(Working Professionals)-20
B.Tech. Mech. Engg-20
B.Voc. RAC-30
D.Voc. RAC-30
B.Voc. Mech. Engg.-30
D.Voc. Mech. Engg.-30
ACE
Certificate Carry Crane Service Technician- 36
Revenue- ₹2,31,840
JCB
Short term Training Mechatronics and Industrial Automation-15
Revenue:- ₹1,27,000

SHRI VISHWAKARMA SKILL UNIVERSITY
First Skill University of India, setup by Govt. of Haryana
SVSU

ACADEMIC & INDUSTRY COLLABORATION PROGRAMS (AEDP)

LEARN. PRACTICE. INNOVATE. SUCCEED TOGETHER.

INDUSTRY COLLABORATION | HANDS-ON TRAINING (OJT) | SKILL DEVELOPMENT | REAL WORLD EXPOSURE | BETTER EMPLOYABILITY

Skill Faculty Name	Program Level	Name of Program (AEDP)	Industry Partner	MOU Purpose	Model
SFASH	UG	B.Voc Public Services	Udaan IAS Faridabad	Training (8 Hours per week for three Years)	2 Years +1 Year
SFASH	UG	B. Voc. German Language	Concentrix India	OJT	2 Years +1 Year
SFASH	UG	B.Sc Yoga & Spiritual Science	Ayush Department Haryana	OJT	2.5 Years + 6 Months
SFET	Diploma	D.Voc. Mechanical Manufacturing	[illegible]	OJT	1 Year +1 Year
SFET	Diploma	D.Voc. Draughtsmanship (Civil)	BUILDING MATERIALS AND TECHNOLOGY PROMOTION COUNCIL, National Council for Cement and Building Materials	OJT	1 Year +1 Year
SFET	UG	B.Voc. Mechanical Engineering/ Manufacturing Engineering	Hero MotoCorp Pvt. Ltd.	OJT, Training for Skill Competition, Projects, Learning Opportunities at Hero MotoCorp Garkul	2 Years +1 Year
SFET	UG	B.Voc. Mechanical Engineering/ Manufacturing Engineering	Anand	OJT,	2 Years +1 Year
SFET	UG	B.Voc. Mechatronics	Hero MotoCorp Pvt. Ltd.	OJT, Training for Skill Competition, Projects, Learning Opportunities at Hero MotoCorp Garkul	2 Years +1 Year
SFET	UG	B.Voc. RAC	DAIKIN INDUSTRY PVT LTD	OJT	2 Years +1 Year
SFET	UG	B.Voc. SOLAR	ADVIT VENTURE, SHREN SOLAR, PADMINI VNA	OJT	2 Years +1 Year
SFET	UG	B.Voc. RBA	JBM, Orangewood Labs	OJT/Internship, Short term Training (SDC)	2 Years +1 Year
SFET	Diploma	Diploma Civil Engineering	BUILDING MATERIALS AND TECHNOLOGY PROMOTION COUNCIL, National Council for Cement and Building Materials	OJT	2.5 Years + 6 Months
SFET	Diploma	Diploma in Industrial Electronics	East west , Padget	OJT/Internship	2.5 Years + 6 Months
SFET	Diploma	Diploma in Mechanical Engineering	JBM	OJT/Internship, Short term Training (SDC)	2.5 Years + 6 Months
SFMAHS	UG	B Voc MLT	Maroonga Asia Hospital (SDC), Faridabad, Satya Sai Hospital, Neelang Diagnostics,	Training/Internship	2 Years +1 Year
SFMSR	UG	BBA (BPM & Analytics)	Concentrix India	OJT & Training (2Hours Weekly in 2nd Year)	2 Years +1 Year
SFMSR	UG	B.Voc. Financial Services	SOTC, J&K Bank	OUT/Internship	2.5 Years + 6 Months
SFMSR	PG	M.Voc. Financial Services	HDFC Bank	OUT/Internship	1 Year + 1 Year

SHRI VISHWAKARMA SKILL UNIVERSITY
First Skill University of India, setup by Govt. of Haryana
SVSU

>>> UP-SKILLING PROGRAMS <<<

INDUSTRY-ORIENTED SHORT-TERM TRAINING & PROFESSIONAL DEVELOPMENT

Building Industry-Ready Professionals through Continuous Learning

OBJECTIVE

To enhance the skills of students and working professionals through industry-driven up-skilling programs, enabling them to meet evolving technological and industrial requirements.

- **INDUSTRY-ORIENTED CURRICULUM** — Programs designed based on current industry requirements.
- **INDUSTRY COLLABORATION** — Programs delivered in association with leading industries and experts.
- **HANDS-ON PRACTICAL TRAINING** — Real equipment, live demonstrations, workshops, and practical exposure.
- **CERTIFICATION** — University-recognized certificates upon successful completion.
- **CAREER ADVANCEMENT** — Improved employability, productivity, and professional growth.

UP-SKILLING PROGRAMS OFFERED AT SVSU

Skill Faculty	Skill Department	Up-Skilling Program	Beneficiary
SFMSR	SDMS	Management Development Program	For different Industries
SFET	SDAS	Pick and Carry Crane Operator	For Action Construction Equipment (ACE), Dudhola, Palwal
SFET	SDAS	Pick and Carry Crane Service Technician	For Action Construction Equipment (ACE), Dudhola, Palwal
SFET	SDAS	Mechatronics in Industrial Automation	For Joseph Cyril Bamford Excavators Ltd. (JCB)
SFET	SDCMT	General Mason	For SVSU Students
SFET	SDI4.0	Workshop on Robotics & Drone Technologies	For Brio Touch Limited
SFASH	SDLHC	Phlebotomy Technician	For SVSU Students

TRAINING DOMAINS

CONSTRUCTION EQUIPMENT | INDUSTRIAL AUTOMATION | ROBOTICS | DRONE TECHNOLOGIES | MANAGEMENT DEVELOPMENT | CONSTRUCTION SKILLS | HEALTHCARE SKILLS

KEY OUTCOMES

Industry-Recognized Training | Practical Skill Development | Expert Faculty & Industry Trainers | Professional Certification | Enhanced Employability | Lifelong Learning

Higher and Vocational Educational Qualification through Recognition of Prior Learning (RPL)

SVSU

Recognition of Prior Learning (RPL) to award skill based degree to achieve GER as per NEP 2020

Launched a Pilot Program of RPL B.Voc. with JBM Group

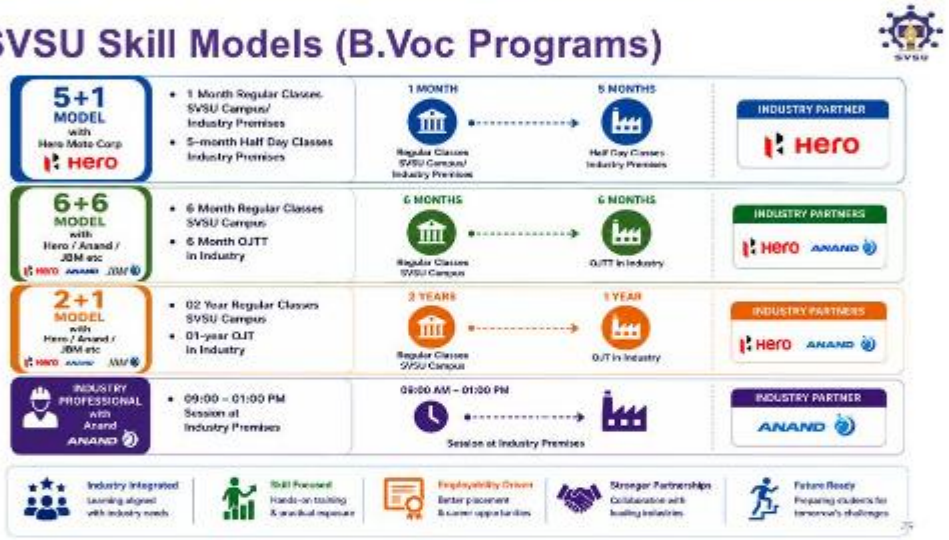
JBM Group

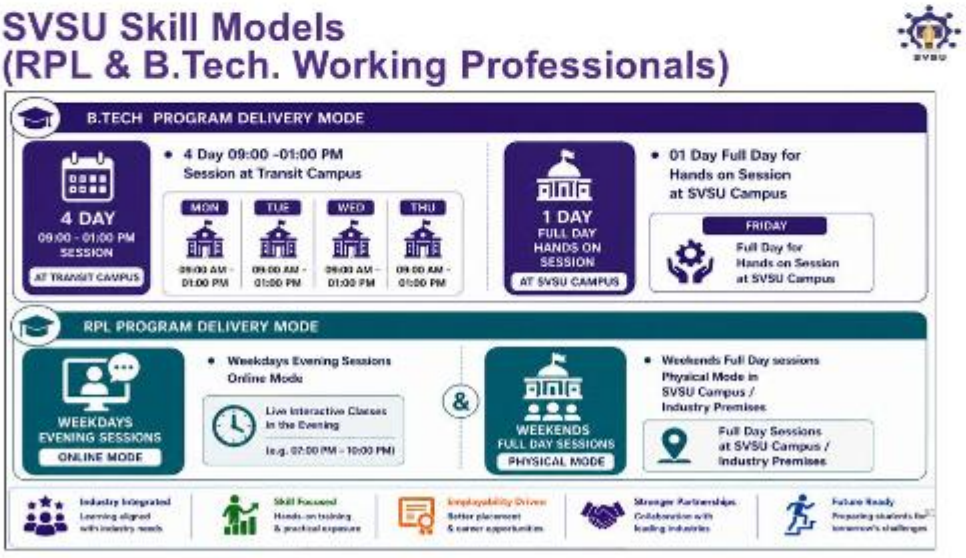
MODEL

1. **Classification** of RPL Candidate
2. **Guidance** from RPL Coordinator on RPL based Programs, Job roles, NOSs & LOs
3. **Documentation** filling of application form with prior learning proofs.
4. **Assessment** Interview with Assessor, and demonstration of prior learning.
5. **Recognition** Accumulation of Credits on successful assessment. Skill gaps (NOSs/LO's) communicated
6. **Admission** to B.Voc /M.Voc Program remaining Credits
7. **Qualification** B.Voc / M.Voc Awarded

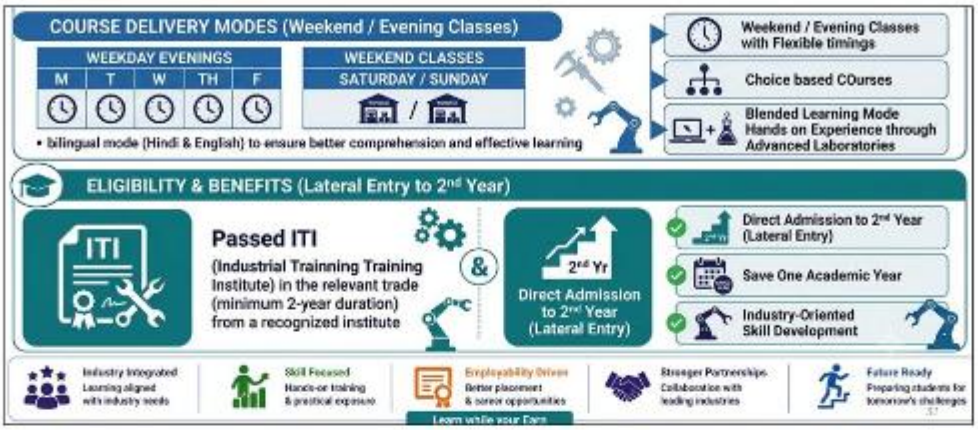
Applicant Portfolio Creation


MoU Signing with Anand Group for B.Tech ME and Smart Manufacturing
SVSU
SVSU
28


SVSU Skill Models (B.Voc Programs)
5+1 MODEL with Hero Moto Corp
Hero
1 Month Regular Classes SVSU Campus/ Industry Premises
5-month Half Day Classes Industry Premises
1 MONTH
5 MONTHS
Regular Classes SVSU Campus/ Industry Premises
Half Day Classes Industry Premises
INDUSTRY PARTNER
Hero
6+6 MODEL with Hero / Anand / JBM etc
6 Month Regular Classes SVSU Campus
6 Month OJTT in Industry
6 MONTHS
6 MONTHS
Regular Classes SVSU Campus
OJTT in Industry
INDUSTRY PARTNERS
Hero ANAND
2+1 MODEL with Hero / Anand / JBM etc
02 Year Regular Classes SVSU Campus
01-year OJT in Industry
2 YEARS
1 YEAR
Regular Classes SVSU Campus
OJT in Industry
INDUSTRY PARTNERS
Hero ANAND
INDUSTRY PROFESSIONAL with Anand
ANAND
09:00 – 01:00 PM Session at Industry Premises
09:00 AM – 01:00 PM
Session at Industry Premises
INDUSTRY PARTNER
ANAND
Industry Integrated
Skill Focused
Employability Driven
Stronger Partnerships
Future Ready


SVSU Skill Models (RPL & B.Tech. Working Professionals)
B.TECH PROGRAM DELIVERY MODE
4 DAY
09:00 - 01:00 PM
SESSION
AT TRANSIT CAMPUS
4 Day 09:00 -01:00 PM Session at Transit Campus
MON
TUE
WED
THU
09:00 AM - 01:00 PM
1 DAY
FULL DAY
HANDS ON
SESSION
AT SVSU CAMPUS
01 Day Full Day for Hands on Session at SVSU Campus
FRIDAY
Full Day for Hands on Session at SVSU Campus
RPL PROGRAM DELIVERY MODE
WEEKDAYS
EVENING SESSIONS
ONLINE MODE
Weekdays Evening Sessions Online Mode
Live Interactive Classes in the Evening
(e.g. 07:00 PM – 10:00 PM)
&
WEEKENDS
FULL DAY SESSIONS
PHYSICAL MODE
Weekends Full Day sessions Physical Mode in SVSU Campus / Industry Premises
Full Day Sessions at SVSU Campus / Industry Premises
Industry Integrated
Skill Focused
Employability Driven
Stronger Partnerships
Future Ready

SVSU Skill Models
Diploma in Mechanical Engg. (Lateral Entry: Working Professionals)

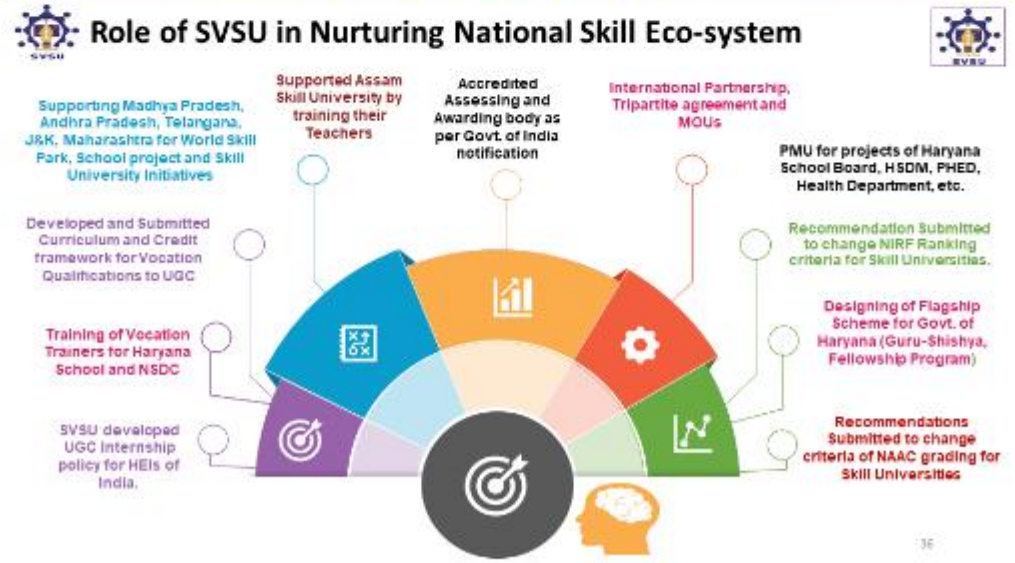







SHRI VISHWAKARMA SKILL UNIVERSITY
SVSU
First Skill University of India, setup by Govt. of Haryana
VG
AUTOMOTIVE PARTS
DTS – DIPLOMA TRAINEE SCHEME
B. Voc. – Bachelors in Vocational course
D. Voc. – Diploma in vocation course
Learning with Earning
Company Roll
Permanent Job Opportunity
after successful completion of diploma after assessment absorption
Direct VG Automotive Parts company roll with a steady, secure career path.
D. Voc. & B.Voc.
Through SVSU, Palwal
LOCATION:
VG Industrial Enterprises, Sector-24, Faridabad
VG Automotive Parts is a leading manufacturer of diverse high-quality automotive components and parts (e.g., engines, transmissions, electrical systems), with multiple state of the art plants across India.
HOW TO REACH
Reach New Delhi.
Take the Delhi metro for Ballabhgarh metro station, then take local transport to Sec 24.
WORK SCHEDULE
• 8 hours 30 minutes duty
• Rotating 3-shift working:
A Shift | B Shift | C Shift
PROPER, STRUCTURED CLASSROOM THEORY SESSIONS THROUGH JAPANESE CONCEPT DOJO
for a deeper understanding of the production process.
ELIGIBILITY & COURSE DETAILS
STIPEND & BENEFITS
SCHEME
YEAR
STIPEND (₹/MONTH)
DTS-1
1st Year
₹ 16,300
DTS-2
2nd Year
₹ 16,781
DTS-3
3rd Year
₹ 18,500
WHY JOIN VG AUTOMOTIVE PARTS?
MANDATORY DOCUMENTS FOR JOINING
CONTACT
85272980776
85273880776
APPLY NOW – START LEARNING WITH EARNING at VG AUTOMOTIVE PARTS!
Learn Today
Earn Today
Build Your Tomorrow


SHRI VISHWAKARMA SKILL UNIVERSITY
SVSU
First Skill University of India, setup by Govt. of Haryana
FUTURE SKILLING SHORT TERM PROGRAMS
BRIDGING ACADEMICS WITH INDUSTRY – EMPOWERING FUTURES
Industry Relevant | Future Ready | Hands-on Learning | Job Ready Professionals
LEARN
SKILL
GROW
SUCCESS
OBJECTIVE
To bridge the gap between academic knowledge and industry relevant skills through industry-aligned short-term programs.
3–4 MONTHS BRIDGE COURSES
Structured short-term courses designed to build industry-relevant skills and competencies.
INCLUDE GOVERNMENT, INDUSTRY, AND ACADEMIC EXPERTS
Courses are designed and delivered with the collaboration of government, industry, and academic experts.
COURSES ARE ALIGNED WITH THE INDUSTRY DEMAND
Curriculum is continuously updated based on current industry trends and emerging technologies.
INDUSTRY FOCUSED & PRACTICAL LEARNING
Hands-on training, real-world projects and case studies for stronger skill development and employability.
BETTER EMPLOYABILITY & CAREER GROWTH
Enhances industry readiness and opens up better job opportunities and career advancement.
SHORT-TERM PROGRAMS IN DIFFERENT DOMAINS
AI
PYTHON PROGRAMMING
MACHINE LEARNING
DRONE DESIGN ASSEMBLY
SEMICONDUCTOR DEVICE PACKAGING
MECHATRONICS & INDUSTRIAL AUTOMATION
SOLAR INSTALLATION & MAINTENANCE
Industry-Aligned Curriculum
Enhanced Employability & Career Growth
Hands-on Learning & Real-world Exposure
Certifications for Competitive Edge
Stronger Industry Connect
www.svsu.ac.in
LEARN. UPSKILL. INNOVATE. LEAD THE FUTURE!
Building Skills. Building Careers. Building India.


Role of SVSU in Nurturing National Skill Eco-system
SVSU
Supporting Madhya Pradesh, Andhra Pradesh, Telangana, J&K, Maharashtra for World Skill Park, School project and Skill University initiatives
Supported Assam Skill University by training their Teachers
Accredited Assessing and Awarding body as per Govt. of India notification
International Partnership, Tripartite agreement and MOUs
PMU for projects of Haryana School Board, HSDM, PHED, Health Department, etc.
Developed and Submitted Curriculum and Credit framework for Vocation Qualifications to UGC
Recommendation Submitted to change NIRF Ranking criteria for Skill Universities.
Training of Vocation Trainers for Haryana School and NSDC
Designing of Flagship Scheme for Govt. of Haryana (Guru-Shishya, Fellowship Program)
SVSU developed UGC internship policy for HEIs of India.
Recommendations Submitted to change criteria of NAAC grading for Skill Universities

04



Innovative Institutional Mechanism

Need Based Programmes Conceptualized by SVSU

श्री विश्वकर्मा कौशल विश्वविद्यालय
Shri Vishwakarma Skill University

Banchari Folk Art- Revival and Dignity- The students visited multiple location including Defence Department, Surajkund Mela, Kurukshetra, Gujarat

Agriculture- The students are learning Farming, Non- Farming and Micro Finance

German, Korean and Japanese Language where students are getting stipend of 25K during OJT

Ethnic Food: The students are getting training in Making 35 Types of Chutney, Sweets making, food art, Samosa, kachori, and Various Traditional Foods including CHOORMA, KHICHDI etc.





- Essence of Indian Knowledge and Tradition
- Indian Knowledge System (IKS) in Management
- Yoga and Health skills
- Indian Knowledge System in Service Management
- Understanding India Skills
- Indian Constitution
- Indian Knowledge & Tradition
- Indian Knowledge System - Basic Sciences
- Human Values & Professional Ethics

Indian Knowledge System
Short Term Program on ancient script (Sharda Lipi)

SHRI VISHWAKARMA SKILL UNIVERSITY
State University enacted under the Government of Haryana Act 25, 2016

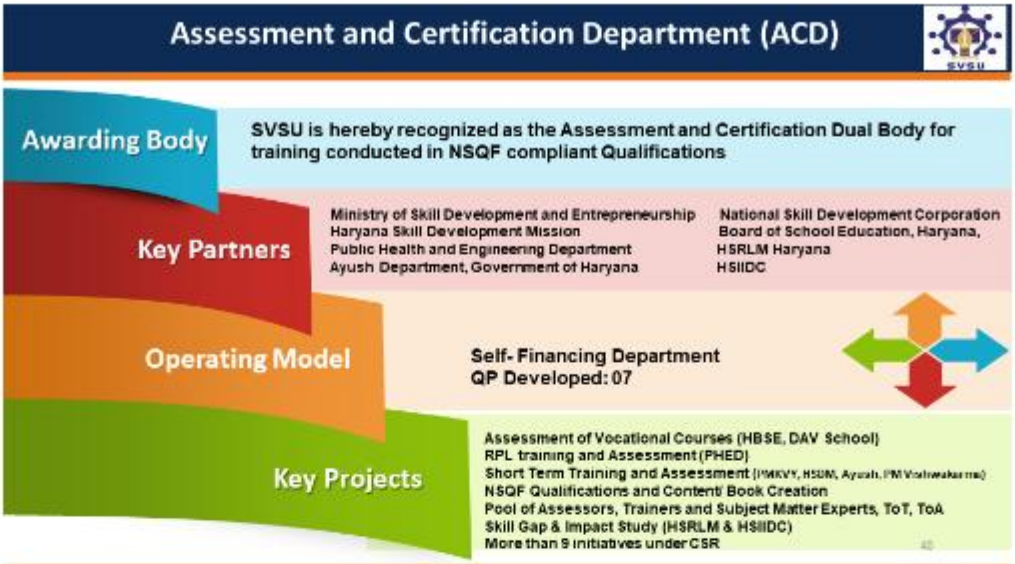
कौशल - सुदर्शन
Digital OJT Diary

STUDENT | SVSU MENTOR | INDUSTRY MENTOR | HEAD OF DEPARTMENT



"Kaushal Sudarshan"-Digital OJT Diary

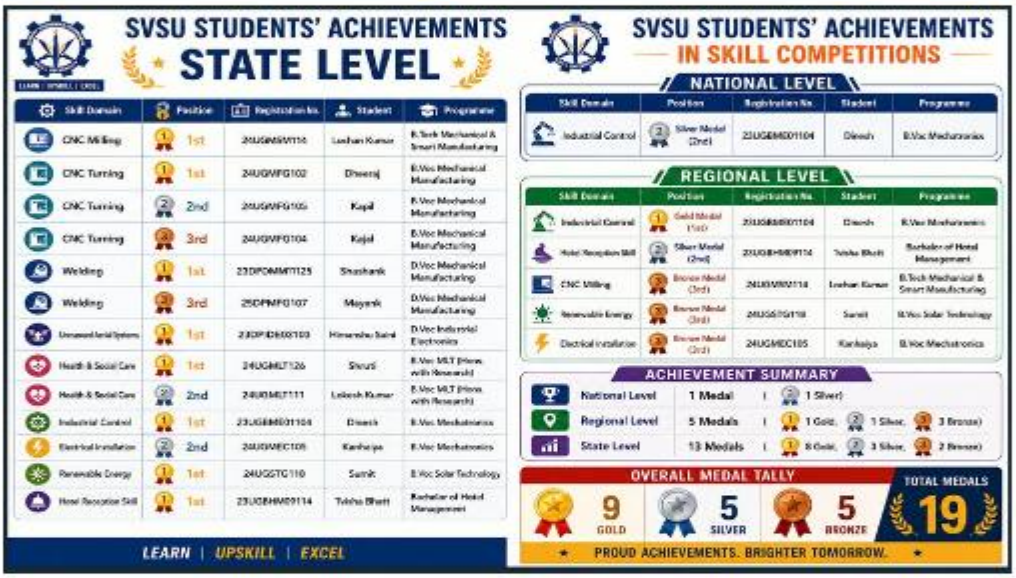
- Dr. Sanjay Singh Rathore
  Skill Associate Professor, SVSU


Assessment and Certification Department (ACD)
SVSU
Awarding Body
SVSU is hereby recognized as the Assessment and Certification Dual Body for training conducted in NSQF compliant Qualifications
Key Partners
Ministry of Skill Development and Entrepreneurship
Haryana Skill Development Mission
Public Health and Engineering Department
Ayush Department, Government of Haryana
National Skill Development Corporation
Board of School Education, Haryana,
HSRLM Haryana
HSIIDC
Operating Model
Self- Financing Department
QP Developed: 07
Key Projects
Assessment of Vocational Courses (HBSE, DAV School)
RPL training and Assessment (PHED)
Short Term Training and Assessment
NSQF Qualifications and Content/ Book Creation
Pool of Assessors, Trainers and Subject Matter Experts, ToT, ToA
Skill Gap & Impact Study (HSRLM & HSIIDC)
More than 9 initiatives under CSR


SKILL DEVELOPMENT INITIATIVES – 2025-26
Project Overview & Status at a Glance
TOTAL PROJECTS 6
F.Y. 2025-26
TOTAL ASSESSMENTS 79,623
TRAINING PROJECTS 2
COMPLETED PROJECTS 3
ONGOING PROJECTS 3
Sr. No. | F.Y. | Project Type | Assessment Nos. | Organization | Status as on Date
1 | 2025-26 | Assessment | 198 | Private Training Partner | ONGOING
2 | 2025-26 | Assessment RPL / ToT | 135 | Guru Shishya Samman Scheme (Project spread over next 5 Years) | ONGOING
3 | 2025-26 | Assessment | 540 | Haryana Skill Development Mission (HSDM) | ONGOING
4 | 2025-26 | Assessment | 78,625 | Board of School Education (BSEH) | COMPLETED
5 | 2025-26 | Training | 45 | SCERT Faculty Development Program | COMPLETED
6 | 2025-26 | Training | 80 | Akhil Bhartiya Gramin Utkarsh Samiti (ABGUS) – Youth Skill Development Program | COMPLETED
PROJECT STATUS SUMMARY
Ongoing 3
Completed 3
Total Projects 6
50%
50%
PROJECT TYPE BREAKUP
Assessment 4 (66.7%)
Training 2 (33.3%)
KEY INSIGHTS
Highest Assessment Volume 78,625 under BSEH (Assessment Project)
Focus on Youth & Rural Development through ABGUS Program
Capacity Building through Training & Faculty Development
Strong alignment with Government Missions (HSDM, RPL, SCERT)
Driving Skill Development for a Skilled & Self-Reliant Haryana
Empowering People • Enhancing Skills • Building a Better Tomorrow


Centre of Excellence
SVSU
2025/26
Daikin CoE for RAC
2025/26
USHA CoE for Apparel & Textile
COE
04
03
02
01
2023
Centre of Excellence Inaugurated by Hon'ble Chief Minister Sh. Manohar Lal
CNC Turning and VMC; CNC Simulator
Advance Welding Laboratory
2022
Advance CNC & Advance Electrical Inaugurated by Hon'ble Governor Sh. Bandaru Dattatreya
Advance Mechatronics Laboratory
Advance Solar Laboratory





Thank you!

Address

Main Campus: Village Dudhola, District Palwal , Haryana, India
Transit office: Shri Vishwakarma Skill University, Transit office, 2nd and 3rd floor
Plot No 147, Sector-44, Gurugram, India

Email: info@svsu.ac.in
Website: www.svsu.ac.in
Contact: 91- 9306095464 / 9253364547
/ 9253224547 / 9253394547

/SVSUPALWAL /svsu_official /svsuniversity

Integrating Skill-Based Courses & Micro-credentials in Higher Education

Presented by:

Prof. Sanjeev Goyal, Nodal Officer

J.C. Bose University of Science & Technology, YMCA, Faridabad, Haryana
(A Haryana State Government University)
(Established by Haryana State Legislative Act No. 21 of 2009 & Recognised by UGC Act 1956 u/s 22 to Confer Degrees)
Accredited 'A+' Grade by NAAC

J.C. Bose University of Science & Technology, YMCA, Faridabad, Haryana
(A Haryana State Government University)
(Established by Haryana State Legislative Act No. 21 of 2009 & Recognised by UGC Act 1956 u/s 22 to Confer Degrees)
Accredited 'A+' Grade by NAAC

J.C. Bose University of Science and Technology, YMCA, Faridabad (formerly YMCA University of Science and Technology) was established in 2009 by Haryana State Legislative Act No. 21 of 2009 and Haryana Government Gazette Notification No. 29 of 2009, dated 16.9.2009.

The present campus of the University is situated on National Highway-2, Mathura Road, 30 km from National Capital, Delhi. The University campus is located in the sprawling Faridabad-Ballabgarh Industrial complex.

University offers a four-year B.Tech degree in almost all disciplines. Besides, it is offering Science, Management and Arts courses at UG and PG level. At UG level, BSc (Hons) in Physics, Chemistry and Math, BCA, BBA, BA in Journalism & Mass Communication and BA Social Work and BSc (Animation & Multimedia) have been introduced.

Similarly, at PG level, M.Tech (in all disciplines), MCA, MBA, MSc (Physics, Chemistry, Environment Studies, Math, Bio-Technology, Botany, Zoology and Microbiology, Animation and Multimedia), MA (Journalism & Mass Communication and English) are being offered. The University also offers Ph.D programs in all disciplines.

The University also runs various B.Voc and skill related UG diploma and PG Diploma courses under its Community College of Skill Development.

Best practices for integration and implementation of skill-based courses and micro-credentials

Skill Enhancement Courses (SECs)

Skill Enhancement Courses (SECs)

- University-wide implementation of **Skill Enhancement Courses (SECs)** as prescribed under **NEP-2020**.
- SECs are integrated into the curriculum across disciplines to promote **employability, entrepreneurship and multidisciplinary learning**.
- Courses focus on practical competencies, digital skills, communication, emerging technologies and industry-relevant knowledge.

MOOCs through NPTEL

- **NPTEL/SWAYAM MOOCs** are integrated into the curriculum as **mandatory credit-bearing courses**.
- Students earn academic credits through certification in emerging technologies and interdisciplinary domains.
- Promotes self-paced learning, lifelong learning and access to courses offered by IITs and IISc.

Micro-Credentials and Minor Degree Programmes

- Introduction of **Minor Degree Programmes** in emerging domains to provide students with specialized competencies beyond their major discipline.
- **Minor degrees courses:** 1 Blockchain, 2 Computer Vision, 3 Construction Technology, 4 Earthquake Engineering, 5 Biomedical Instrumentation, 6 Internet of Things (IoT), 7 Electric Vehicle Technology, 8 Robotics, 9 Acting & Film Making, 10 Fashion Communication, 11 Critical Thinking and Corporate Communication, 12 Environmental Analysis & Management, 13 Industrial Biotechnology, 14 Statistics, 15 GST and its E-filling, 16 Nano Science and Technology, 17 Renewable Energy, 18 Radiation, 19 Data Science, 20 Polymer Science, 21 Universal Human Values, 22 Industry 4.0
- Enables acquisition of **micro-credentials** aligned with industry requirements through flexible credit accumulation.
- Supports multidisciplinary education, academic mobility and enhanced employability in accordance with **NEP-2020**.

Vocational and Skill Courses under CCSD

B.Voc (Bachelor of Vocation) Courses

- ☑ Automobile with specialisation in Electric and Hybrid Vehicle Engg.
- ☑ Manufacturing with specialisation in Robotics and data Analytics
- ☑ Mechanical Engg. (Manufacturing Engg.)
- ☑ Electrical
- ☑ Web Development
- ☑ Banking Financial Services and Insurance (BFSI)

PG Diploma Courses

- ☑ Data Science and Analytics
- ☑ Yoga Science and Naturopathy
- ☑ Anti-Drone & Autonomous Technology

UG Diploma Courses

- ☑ Web Designing
- ☑ Yoga and Naturopathy

- **CCSD** is an **alternative education system.**
- **Industry-aligned skill development**
- **Flexible, open education model**
- **Skill-based training**, aligned with **National Occupational Standards (NOS).**
- **Practical-oriented – 60/40**
- **Earn While you Learn Model – OJT stipend**
- Tuition Fee waiver under **Gram Panchayat Scholarship Scheme**.
- **RPL Scheme**
- Courses: 12 (06 B.Voc., 04 PG Diploma, 02 Diploma)
- **Students Graduated: 750**

Skilling/Micro-Credential Training

- Students at CCSD are also encouraged to attend short-term certification programs to increase their employability skills.
- Approximately **180 students** at CCSD completed skill courses provided under **AICTE and Reliance Foundations Collaboration for Skill Initiatives.**
- 50 students of B.Voc BFSI got the certificate for **Financial Markets: A Beginners' Module by NSE.**
- 55 students of B.Voc BFSI got the certificate for **SEBI- Investor Certification Examination.**







Skill Enhancement Courses (SECs) offered to affiliated colleges

List of SECs offered in Affiliated colleges

- Python Programming for Mechanical Engineering Applications, Industrial Automation and Industry 4.0 Applications, Electric Vehicle Technology: Fundamentals and Applications, Safety Management Systems in Industrial Operations,
- PCB Design Using Proteus, MATLAB in Designing Control System, Circuit Design Using Tinkercad Tool,
- Melted Plastic & Fly-Ash Molded Bricks, Construction Cost Estimating & Cost Control, Design of Structure Using STAAD.
- Pro, TallyPrime, Research Methodology with Hands-on Research Paper Writing, Job Readiness and Employability Skills, Generative AI, Hands-on Data Analytics, Power BI, AWS, Power BI Global Certification, AWS.
- Generative AI, Hands-on Data Analytics, Power BI Global Certification, Personality Development, Personality Development.

SEC job roles and corresponding NSQF levels

ii. MULTIPLE ENTRY- MULTIPLE EXIT (ME-ME) IN HIGHER EDUCATION- AICTE

Academic Level	Entry Qualifications at various levels	Exiting Qualifications at various levels	National Credit Level (NCrF)
9th Grade	8 Grade pass	▪ 9th Class/ ▪ 1 year of ITI after 8th class	2.5
10th Grade	▪ 9 grade pass ▪ 1 year of ITI after 8 grade pass	▪ 10th Class ▪ 2 Year of ITI after 8th Class	3.0
11th Grade. /1st yr. Diploma	10 grade pass / 2 Year of ITI after 8 grade pass + NSDS	▪ Class 11 ▪ Certificate of Voc. (Eng) ▪ Class 11+ + QPs/ NOCs enabling lateral entry in 2nd Year of Certificate of Voc.	3.5
12th Grade. /2nd yr. Diploma	▪ 10+ Certificate of Voc ▪ Class 11 ▪ Class 11+ QPs &NOCs	▪ Class 12 ▪ Industrial Training Certificate (Eng) ▪ Class 12+ QPs and NOCs enabling entry to UG Certificate	4.0
Final yr. Diploma/ 1st yr UG Degree	▪ Class 12 ▪ 12+ Industrial Training Certificate (Eng) ▪ Class 12+ QPs & NOCs	UG Certificate (Eng.)	4.5
2nd yr UG Degree	UG Certificate (Eng.)	UG Diploma(Eng.)	5.0
3rd yr UG Degree	UG Diploma (Eng.)	B. Voc (Eng.)	5.5
Final yr UG Degree	B. Voc (Eng.)	B.E./B. Tech.	6.0
1st Year PG (Eng)	B.E./B. Tech.	M.Voc (Eng.)	6.5
2nd year PG (Eng)	M.Voc. (Eng.)	M. Tech	7
Ph.D.	M. Tech	Ph.D.	

NSQF JOB ROLES
(Level – 4.5, 5.0, 5.5)

B.Voc Web Development
- Web Technologies
- Software Product Developer
- Full Stack Web Development

B.Voc BFSI
- Customer Service Associate (Financial Services)
- Account Assistant / Tally Operator
- Credit Processing Officer

B.Voc Automobile
- Automobile Technology
- Automotive Assembly
- Fundamentals of Electric Vehicle Powertrain Design

B.Voc Manufacturing (RDA)
- CNC Setter-cum-Operator
- Automotive Automation & Robotics Engineer
- Digital Factory Automation

B.Voc Electrical
- Industrial Electrician
- Industrial Automation
- Industrial Electrician (Skilled)

B.Voc ME (Manf.)
- Mechanical Engineering CAD
- Tool and Die Maker
- Low-Cost Automation Engineer (Production Engineering)

NSQF JOB-ROLE & NATIONAL OCCUPATIONAL STANDARDS (NOS) ALIGNMENT

Year-wise NSQF Alignment (B.Voc. Mechanical Engineering (Manufacturing Engineering)

Exit Year	NSQF Level	Job Role	QP Code / NQR	Sector / Council	NOS Aligned
Year 1 (Sem I & II)	4.5	Mechanical Engineering CAD	CSC/Q0419	Capital Goods – Design (CGSSC)	7 NOS
Year 2 (Sem III & IV)	5.0	Jr. Designer (Mechanical)	CSC/Q0405	Capital Goods – Fitter Design (CGSSC)	7 NOS
Year 2 (Sem III & IV)	5.0	Tool and Die Maker	CSC/Q0306	Capital Goods – Fitting & Assembly (CGSSC)	7 NOS
Year 3 (Sem V & VI)	5.5	Low-Cost Automation Engineer (Production Engineering)	ASC/N6464	Automotive Skills Development Council (ASDC)	7 NOS

NSQF JOB-ROLE & NATIONAL OCCUPATIONAL STANDARDS (NOS) ALIGNMENT

Year-wise NSQF Alignment (B.Voc. AUTOMOBILE with specialisation in Electric & Hybrid Vehicle Engineering)

Exit Year	NSQF Level	Job Role	QP Code / NQR	Sector / Council	NOS Aligned
Year 1 (Sem I & II)	4.5	Automobile Technology	ASC/Q1439	Automotive Skills Development Council (ASDC)	5 Compulsory NOS
Year 2 (Sem III & IV)	5.0	Automotive Assembly Master Technician	ASC/Q3603	Automotive Skills Development Council (ASDC)	5 Core + 12 Employability Modules
Year 3 (Sem V & VI)	5.5	Fundamentals of Electric Vehicle Powertrain Design	ASC/N8119	Automotive Skills Development Council (ASDC)	3 Specialized Core Modules
Year 3 (Sem V & VI)	5.5	Foundation course in Flex Fuel Engine Design	ASC/N8120	Automotive Skills Development Council (ASDC)	3 Specialized Core Modules

Industry linkages, apprenticeships, employability initiatives, RPL, and future-oriented skill development

Industry linkages

- **Strong Alumni Network:** Global alumni base with **15+ national and international chapters**, fostering mentorship and industry engagement.
- **Alumni Contribution:** Alumni have contributed **₹2+ crore** towards academic, research and student development initiatives over the last five years.
- **Strategic Collaborations: 30+ active MoUs** with industries like Eicher Motors, Shigan Evoltz Limited, BOSCH Limited, MV Electrosystems Pvt. Ltd., Hero MotoCorp Ltd. etc. for training, internships, research and placements.
- **Industry–Academia Cell:** Dedicated cell to strengthen industry collaboration, curriculum enrichment and employability initiatives.
- **Industrial Exposure:** Regular industrial visits, expert interactions and collaborative learning with leading industries.



Glimpse of Industrial Visits



Hero MotoCorp Ltd., Dharuhera | Imperial Auto, Faridabad | VeeGee Industries



Hero MotoCorp Ltd., | HMCL Plant | Shipan Group

Apprenticeships, Employability initiatives

- **Structured Apprenticeships:** 6- and 12-month apprenticeship/OJT programmes with stipend under the **"Earn While You Learn"** model.
- **Industry Expert Sessions:** Regular workshops, guest lectures and hands-on training by leading industry professionals.
- **Industry-Based Projects:** Live industrial projects and problem-based assignments integrated into the curriculum.
- **Paid Internship Opportunities: 1,112 students** completed paid internships during **2024-25**, strengthening industry exposure and employability.



Esteemed Recruiters for Existing Corporate Connect

Companies

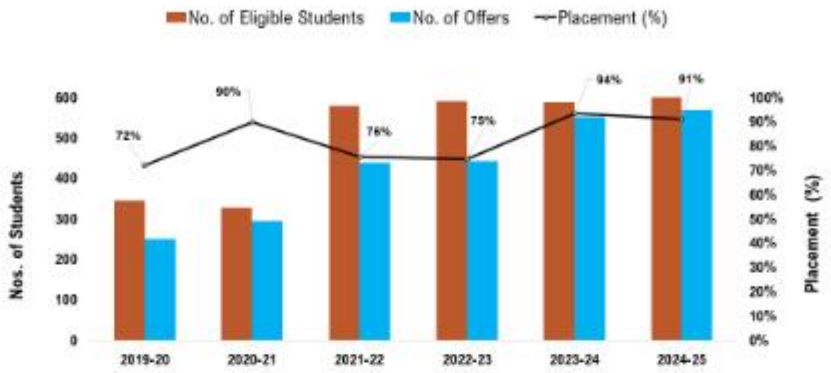
- Sony India Ltd.
- Samsung R&D (Korean-Japan)
- Honda Cars India Ltd.
- Yamaha Motor India
- Maruti Suzuki (Suzuki Japan)
- STMicroelectronics Pvt. Ltd.
- Panasonic Life Solutions
- Denso Haryana Pvt. Ltd.
- LG Electronics (Korean-Japan)
- Toshiba (partner ecosystem)

Global marquee Recruiters

- Google I Amazon I Adobe
- JP Morgan Chase I Goldman Sachs
- TCS I HCL Technologies I Infosys
- Accenture I Cognizant I IBM
- Capgemini I KPMG India
- Schneider Electric I ABB
- JCB I JSW Group
- Indian Oil I NTPC I BHEL I ISRO I DRDO



Placement Statistics (2019-2025)



19

B.VOC UNDER RPL With SKODA-VOLKSWAGEN





Future-oriented skill development

- **Anti-Drone Technology Lab:** Hands-on training and research in drone detection, surveillance and counter-drone technologies.
- **Siemens Centre of Excellence:** Industry-oriented training in industrial automation, PLC, SCADA and Industry 4.0 technologies.
- **Electric Vehicle Centre of Excellence:** Skill development in EV powertrain, battery management systems and charging technologies.
- **NVIDIA-Powered Data Centre:** Advanced computing facility for AI, Machine Learning, Data Analytics and High-Performance Computing (HPC).





Innovative institutional mechanisms/frameworks developed by the University

Innovative Institutional Mechanisms & Frameworks

- Industry-integrated Curriculum – BoS participation, internships, apprenticeships and outcome-based education.
- SECs & Minor Programmes – AI, Blockchain, Computer Vision, EV and other emerging technologies.
- Multiple Entry–Exit and modular curriculum aligned with NEP-2020.
- Centres of Excellence with Daikin, Royal Enfield, Bosch and Danfoss.
- Institute Innovation Council – Hackathons, innovation projects and industry problem-solving.
- Digital Academic Ecosystem – DLMS, ERP, lecture capturing and e-content development.
- Incubation & Start-up Support – Mentoring, legal support and innovation activities.
- Strong Collaboration Network – 46 MoUs, alumni engagement and industry partnerships.
- CCSD – Dedicated Community College for skill-based higher education.
- RPL Framework – UG/B.Voc programmes for working professionals with Škoda Auto Volkswagen.

Startup & Innovation Ecosystem

A University-Backed Startup Pipeline for Japan-Linked Innovation

23
Total Startups
University-backed startups fostered and supported.

7
Different Sectors
Startups across diverse industry sectors.

2021–26
Active Incubation Period
Current period of active incubation and support.

Section 8 Incubation Foundation
J C Bose YMCA Incubation Foundation registered 09 July 2021.

IIC Active Since 2019
Active Institution Innovation Council (IIC) since 2019. 50+ annual events.

20,000+ Alumni Network
Strong alumni network enabling mentoring, markets and investment.


Innovation, Startup and Incubation Centre
1. METASAGA Pvt. Ltd.
2. Yasya Biosciences
3. DAAKit Technologies
4. Aspirant Adda / Mentotalk Aspirations
5. Technotrendz Solutions
₹9 Cr+
ANNUAL REVENUE
23 STARTUPS ONBOARDED
11 DPIIT REGISTERED
₹45L MSME GRANTS WON


Community College of Skill Development
NAAC A+ Accredited University Wing
CCSD is the skill-development arm of J.C. Bose University — a Haryana State Government university with top accreditation.
Established 2013 — Bridging Academia & Industry
Founded to connect university education with real industry needs through hands-on, placement-oriented skil training.
400+ Skilled Talents Produced Every Year
CCSD consistently delivers over 400 certified, job-ready technical candidates annually across multiple disciplines.
Aligned with India's Skill India Mission
All programmes are mapped to NSQF/NCrF frameworks and National Occupational Standards, ensuring national recognition.
Practical, Certification-Led Training Model
CCSD combines technical theory, lab practicals, employability skills, and industry immersion in every programme offered.
University's Flagship Workforce Pipeline
CCSD serves as the university's primary vehicle to train, certify, and place skilled technical talent into industry.
26


Community College of Skill Development
6 B.Voc Programmes
EV & Hybrid, Robotics & Data Analytics, Web Dev, Industrial Automation, BFSI, Mechanical Manufacturing
3 PG Diploma Programmes
Data Science & Analytics, Yoga Science & Naturopathy, Anti-Drone & Autonomous Technology
2 Diploma Programmes
Web Designing and Yoga & Naturopathy — short-cycle, industry-entry credentials
Industry-Aligned Curriculum
All 11 programmes mapped to NOS/NSQF standards, ensuring job-ready graduates across every level
Emerging Tech Focus
EV, Robotics, Automation, and Anti-Drone reflect India's priority sectors and global hiring demand
11 Active Programmes Total
Spanning three qualification levels — Diploma, PG Diploma, and B.Voc degree — under one CCSD roof
27

Impactful Outreach Programs in Schools

- **Visited around 50 government schools across Faridabad**
  - On-ground presence and direct interaction with students
  - Building a strong student database for future outreach
- **Created awareness about our courses and offerings**
  - Highlighted academic, skill-based, and career-oriented programs
- **Informed students about career opportunities**
  - Motivated students to explore professional growth paths
- **Strengthened community engagement**
  - Built trust and a lasting relationship with educational institutions
- **Prepared groundwork for next steps**
  - Planning dedicated workshops and counseling sessions for students



THANK YOU



GOVERNMENT OF HARYANA

Haryana Skill Development Mission

An initiative by the Government of Haryana to enhance employability and skill development among the youth of Haryana.

Presented by Shikha Gupta, Joint Director

ABOUT HSDM

Overview of HSDM

Established in May 2015, HSDM coordinates and promotes skill development across Haryana — delivering industry-relevant, outcome-based training aligned with the National Skill Qualification Framework (NSQF).

Collaborative Approach
Works with Government Departments, educational institutions, industries, and Sector Skill Councils

Demand-Driven Training
Placement-oriented programs bridging education and employment.

Vision

"Skilled Haryana" | "Empowered Haryana" | "Sustainable Haryana"



STATE SCHEME

SURYA: Skilling, Upskilling, Reskilling & Assessments

HSDM's flagship short-term training scheme with 100% financial support from the Government of Haryana.

Eligible Beneficiaries

- Haryana domicile, age 16–40 years, with PPP ID
- Unemployed youth or school/college dropouts
- Minimum qualifications as defined by SSCs/NCVET for respective job roles

Qualification Standards

All courses must be NSQF-aligned and certified by NCVET, Sector Skills Councils, or Awarding Bodies — listed on the National Qualification Register (NQR).

STATE SCHEME – "SURYA"...

Training Criteria & Payment Terms

Training is conducted residential or non-residential. Costs follow MSDE Common Cost Norms (CCN), disbursed in three tranches tied to verified milestones.

1	2	3
1st Tranche — 30%	**2nd Tranche — 40%**	**3rd Tranche — 30%**
Released batch-wise against surety bond at commencement — 23 days after batch formation.	Released on completion and certification. Requires 20% verified placement data.	Released after 70% placement data submission. Trainees tracked for six months minimum.

FLAG SHIP SCHEME

Contractor Saksham Yuva Yojana

Trains and upskills 10,000 engineering-qualified youth in Haryana for self-employment and entrepreneurship as government contractors.

Eligibility

Age 18–40, B.E./B.Tech/Diploma in Engineering, PPP ID, and qualified in Haryana CET for Group C & D jobs.

Training & Certification

Three months of theoretical and on-job training with government departments. Cost: ₹28,000 per candidate.

Financial Support

Interest-free bank loan up to ₹3 lakh for 1 year. Certified youth can bid for contracts up to ₹25 lakh.



CONTRACTOR SAKSHAM YUVA YOJANA

Requirements from Partner Universities

Universities partnering with SVSU (implementing partner of HSDM) must meet the following requirements.

Infrastructure & Facilities

- Provide faculty, infrastructure, and lab equipment for the scheme
- Classrooms accommodating **30–40 students per batch**
- 45 days classroom training + 45 days on-job training

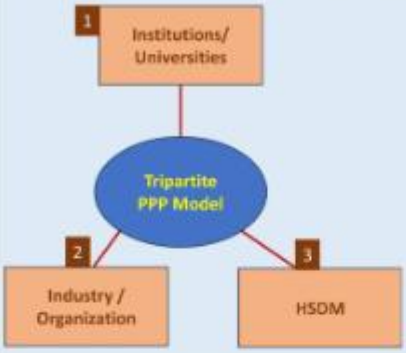
Financial Terms

- Faculty honorarium: **₹1,000/hour** (theoretical) and **₹500/hour** (practical)
- Lab and infrastructure costs as per mutual consent

PPP INITIATIVE

District Skill Centres & Centres of Excellence – 3 Pillar Module

Per the Budget Announcement 2025–26, District Skill Centres, Centres of Excellence, and Maharishi Kashyap Antyodaya Kaushal Vikas Kendras will be established at district headquarters under PPP mode.



How It Works

- A tripartite MoU among the institution, HSDM, and industry partner
- Institutions provide up to ~5,000 sq ft of ready-built infrastructure
- Industry operates the centre aligned to institutional specialization
- HSDM sets training targets and funds per common cost norms

This initiative strengthens industry-Academia collaboration and creates better employment and entrepreneurship opportunities for Haryana's youth.

WORLD SKILLS 2028

India Skills Competition — Road to World Skills 2028

India's flagship competition identifies and nurtures top talent across **63 skill categories** in **36 States/UTs** – culminating at the **World Skills Competition**.

1. **District Level**
   Conducted by SSDMs & Sector Skill Councils
2. **State Level**
   Conducted by SSDMs with DGT & NSDC support
3. **Regional Level**
   Conducted by DGT & NSDC
4. **National Level**
   Conducted by NSDC

Eligibility: Students from ITI, polytechnic, engineering & vocational institutes – born on or after January 1, 2004. Online registration opens from 15th August' 2026 on the Skill India Digital Hub (SIDH).



STRATEGIC VISION

Building a Skilled Workforce for Haryana's Future

HSDM's integrated ecosystem – from short-term training to entrepreneurship support and global competitions – positions Haryana's youth for a competitive, opportunity-rich future.

Certified Training

NSQF-aligned, industry-recognized qualifications through SURYA and flagship schemes.

Industry Partnerships

PPP-mode Centres of Excellence linking academia with real-world industry expertise.

Entrepreneurship Pathways

Interest-free loans and government contract access for engineering graduates.

Global Recognition

World Skills pathway showcasing Haryana's talent on the international stage.

SKILLED HARYANA - EMPOWERED HARYANA

Together, We Build a Skilled Haryana

HSDM invites Government Departments, Universities, Training Partners, and Industries to join this mission – transforming youth potential into workforce readiness.

Partner With Us

Universities, industries, and training providers – collaborate to deliver quality skill training.

Train the Youth

Enroll eligible candidates in SURYA, Contractor Saksham, and World Skills programs.

Drive Employment

Bridge the gap between education and employment – one skilled youth at a time.

