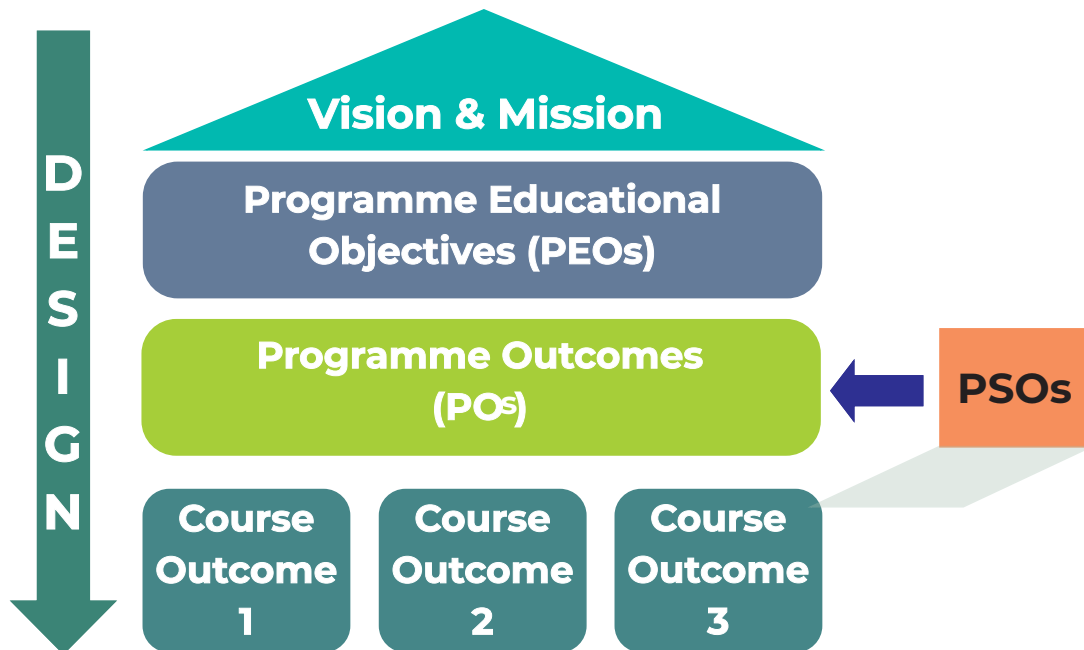# NEP
National Education Policy 2020

DAV UNIVERSITY
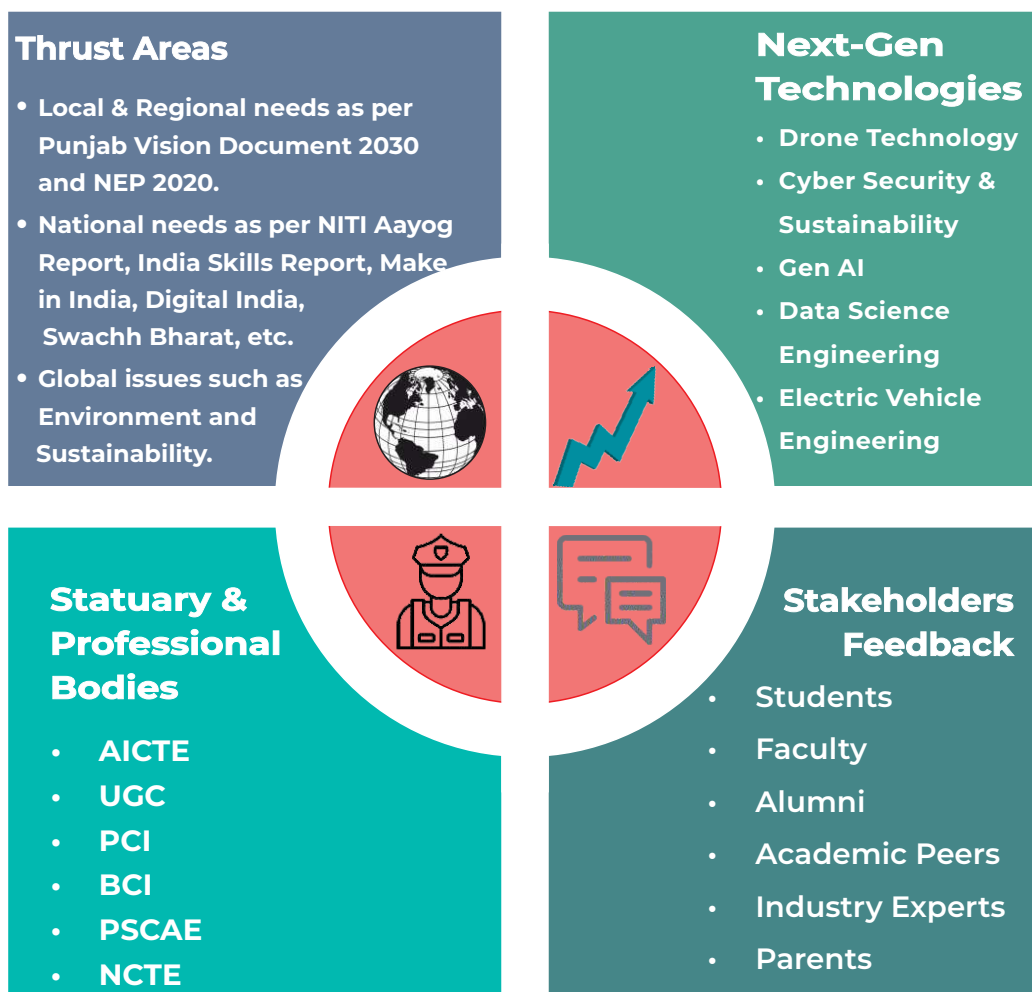*Empowering Students with 21st Century Skills*

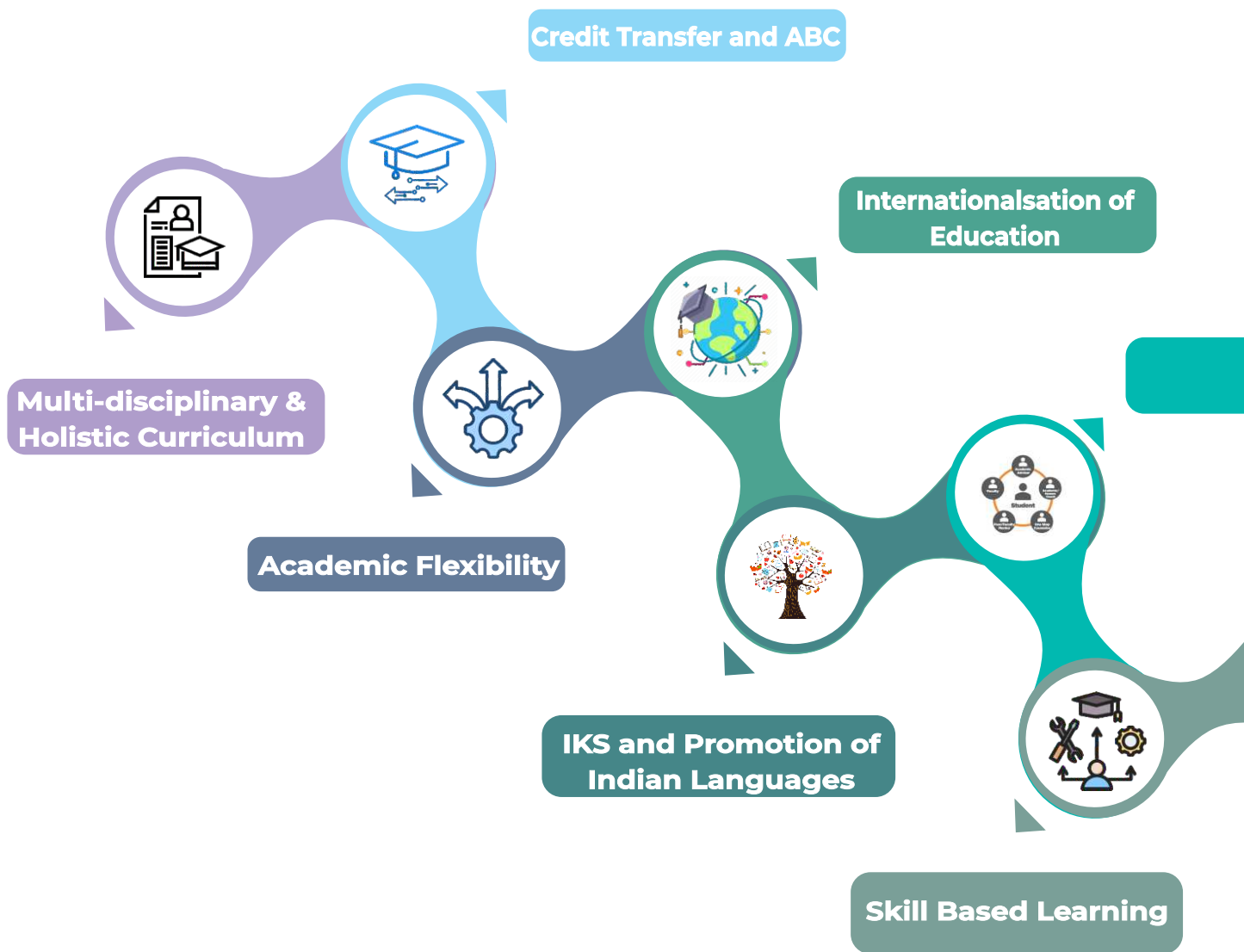# Foundations for Academic Excellence @ DAVU

1. Multi-disciplinary and holistic curriculum aligned with NEP.
2. Flexible academic structure with diverse degree options.
3. Choice-Based Credit System with Academic Bank of Credits.
4. Contemporary curriculum benchmarked with global standards.
5. Internationalization of academics.
6. Inclusion of Indian Knowledge Systems in Curriculum Design.
7. Holistic education embedding sustainable development goals.
8. Innovation centric learning.
9. Skill development and employability-focused learning.
10. Informal & Social immersive learning for community engagement.
11. Student-centric learning with personalized support.
12. Research, innovation, and entrepreneurship initiatives.
13. Digital empowerment with advanced ICT tools.
14. Outcome-Based Education with quality & innovative assessments.
15. Equitable and inclusive education for all learners.
16. Capacity building through faculty development programs & Professor of practice.
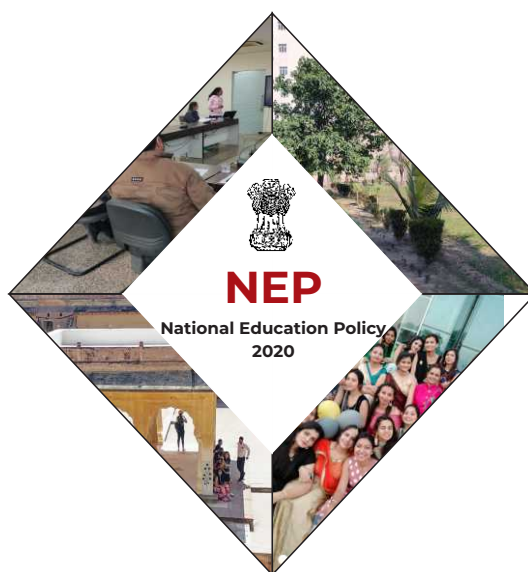
Multi-disciplinary & Holistic Curriculum Framework

D E S I G N

Vision & Mission

Programme Educational Objectives (PEOs)

Programme Outcomes (POs)

PSOs

Course Outcome 1

Course Outcome 2

Course Outcome 3

Curriculum Design @ DAVU

Thrust Areas

- Local & Regional needs as per Punjab Vision Document 2030 and NEP 2020.
- National needs as per NITI Aayog Report, India Skills Report, Make in India, Digital India, Swachh Bharat, etc.
- Global issues such as Environment and Sustainability.

Next-Gen Technologies

- Drone Technology
- Cyber Security & Sustainability
- Gen AI
- Data Science Engineering
- Electric Vehicle Engineering

Statuary & Professional Bodies

- AICTE
- UGC
- PCI
- BCI
- PSCAE
- NCTE

Stakeholders Feedback

- Students
- Faculty
- Alumni
- Academic Peers
- Industry Experts
- Parents

Credit Transfer and ABC

Internationalsation of Education

Multi-disciplinary & Holistic Curriculum

Academic Flexibility

IKS and Promotion of Indian Languages

Skill Based Learning

DAV UNIVERSITY
Empowering Students with 21st Century Skills

Office of Academic Affairs

NEP

National Education Policy 2020

Student Centric Learning

Research Innovation & Entrepreneurship

Social Immersive Learning & Informal Learning
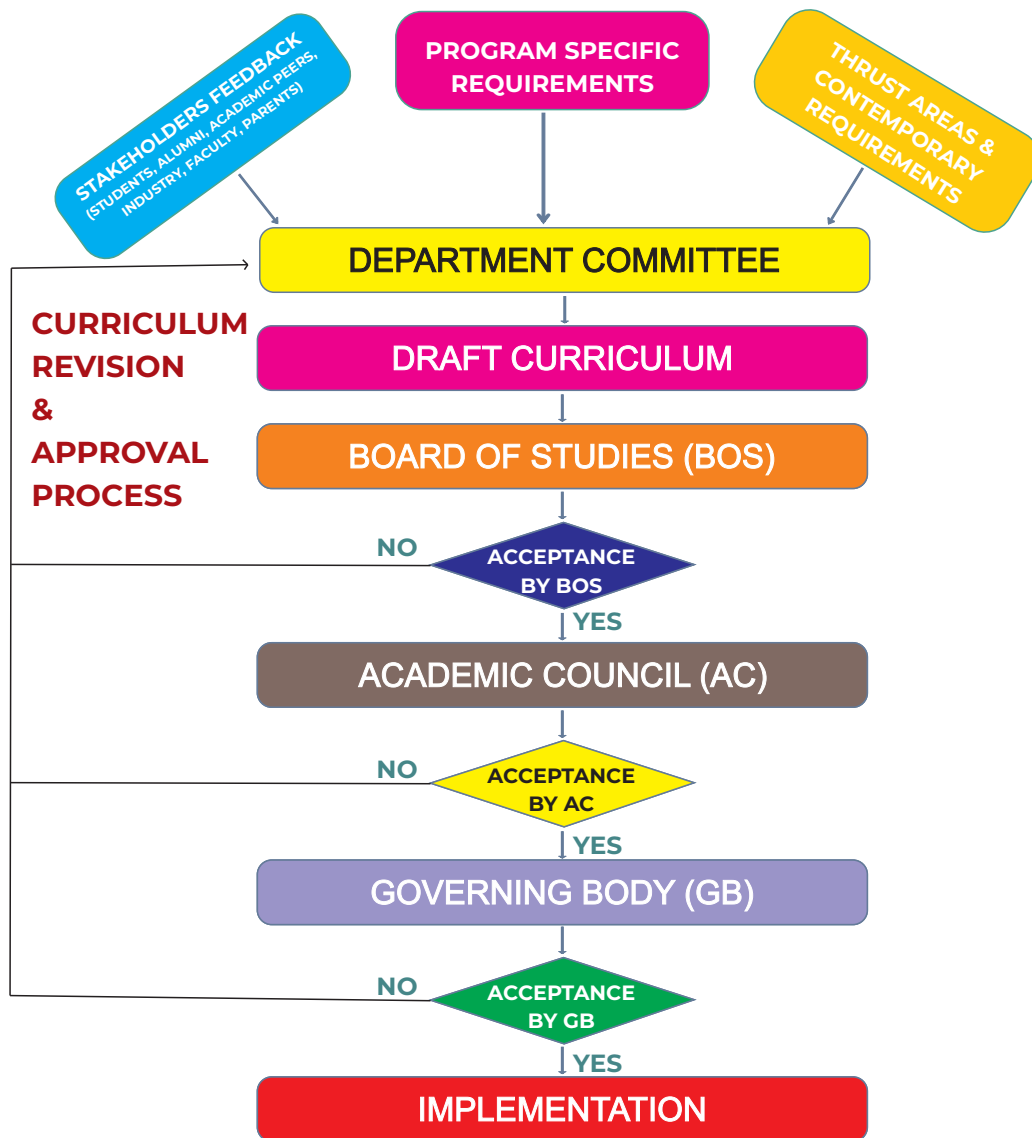
Equitable & Inclusive Education

Capacity Building for Teachers

Digital Empowerment

Assessments for Quality Education

Comprehensive Student Support
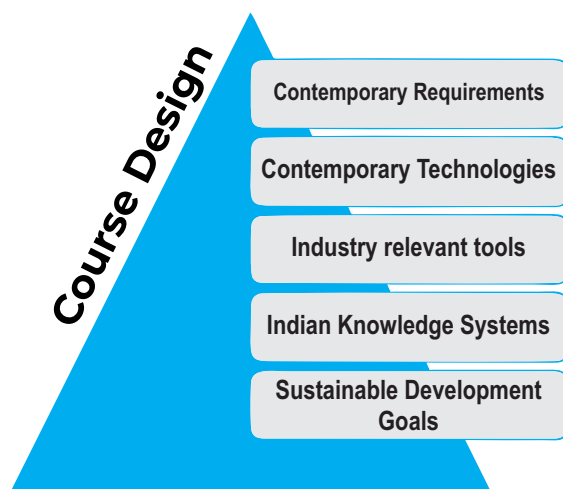
Multi-disciplinary & Holistic Curriculum Framework

STAKEHOLDERS FEEDBACK
(STUDENTS, ALUMNI, ACADEMIC PEERS, INDUSTRY, FACULTY, PARENTS)

PROGRAM SPECIFIC REQUIREMENTS

THRUST AREAS & CONTEMPORARY REQUIREMENTS

DEPARTMENT COMMITTEE

CURRICULUM REVISION & APPROVAL PROCESS

DRAFT CURRICULUM

BOARD OF STUDIES (BOS)

NO ← **ACCEPTANCE BY BOS**

YES

ACADEMIC COUNCIL (AC)

NO ← **ACCEPTANCE BY AC**

YES

GOVERNING BODY (GB)

NO ← **ACCEPTANCE BY GB**

YES

IMPLEMENTATION

CROSS-CUTTING COMPONENTS

Sustainable Development

Gender Equity

Ecology & Environment

Professional Ethics

Human Values

Multi-disciplinary & Holistic Curriculum Framework

COURSE CATEGORIES

Humanities, Arts & Social Sciences Courses	Multi-Disciplinary Courses
Basic Science Courses	Professional Elective Courses
Engineering Science Courses	Management Elective Courses
Professional Core Courses	Open Elective Courses
Flexi-core Courses	Research Projects & Internships
Skill Development Courses	Social Immersive Learning
Ability Enhancement Courses	Value Added Courses
Paramedical Courses	Pharmaceutical Sciences

COURSE DESIGN & BENCHMARKING

Course Structure – Lecture (L) – Tutorial (T) – Practical (P)

Course Design

- Contemporary Requirements
- Contemporary Technologies
- Industry relevant tools
- Indian Knowledge Systems
- Sustainable Development Goals

Course benchmarking

- Industry & Industry Academies
- Professional Societies / Bodies
- National & International Skill Frameworks
- Globally Reputed Universities
- Competitive Exams

Multi-disciplinary & Holistic Curriculum Framework

Skill Enhancement Courses

Essentials of Entrepreneurship-Thinking and Action	Design Thinking
Design Thinking & Innovation	Data Analytics
Cyber Security	Digital Fluency
Fundamentals of Computer programming & IT	Python Programming
Disaster Preparedness and Planning	Intellectual Property Rights
Apiculture	Aquarium Fish Keeping
Dairy Farming	Forensic Zoology
NCC	LATEX
Programming with FORTRAN	Therapeutic Yoga
Library Information Sciences	Forensic Science
Information Technology Law	

MULTI-DISCIPLINARY & HOLISTIC CURRICULUM FRAMEWORK

1 NO POVERTY
- Macroeconomics
- Indian Economy
- Development Economy
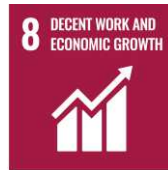
7 AFFORDABLE AND CLEAN ENERGY
- Renewable Energy Sources & Management
- Electrical and Hybrid Vehicles

13 CLIMATE ACTION
- Natural Hazard & Disaster Management
- Environmental Engineering

2 ZERO HUNGER
- Crop Production Technology
- Crop Improvement

8 DECENT WORK AND ECONOMIC GROWTH
- Labour Economics
- Labour Legislations

14 LIFE BELOW WATER
- Conservation of Natural Resources
- Environment Impact Assessment & Life Cycle Analysis

3 GOOD HEALTH AND WELL-BEING
- Social Psychology
- Yoga & Alternative Therapy

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
- Workshop on Entrepreneurship
- Manpower Planning & HRD

15 LIFE ON LAND
- Earthquake Engineering
- Green Technology

4 QUALITY EDUCATION
- Creative & Critical Thinking
- Global Citizenship in Higher Education

10 REDUCED INEQUALITIES
- Indian Economy
- Agricultural Economics

16 PEACE, JUSTICE AND STRONG INSTITUTIONS
- Constitutional Law
- Alternate Dispute Resolution

5 GENDER EQUALITY
- Human Values
- Gender Sensitization

11 SUSTAINABLE CITIES AND COMMUNITIES
- Architecture & Town Planning
- Sustainable Construction Methods

17 PARTNERSHIPS FOR THE GOALS
- Strategic Management
- Advertising & Public Relation

6 CLEAN WATER AND SANITATION
- Hydrology & Water Resource Engineering
- Swatch Bharat Summer Internship

12 RESPONSIBLE CONSUMPTION AND PRODUCTION
- Farming & Sustainable Agriculture
- Solid Waste Management

SUSTAINABLE DEVELOPMENT GOALS

CREDIT TRANSFER & ACADEMIC BANK OF CREDITS (ABC)

Course Credits – Lecture (1L:1) – Tutorial (1T:1) – Practical (2P:1)
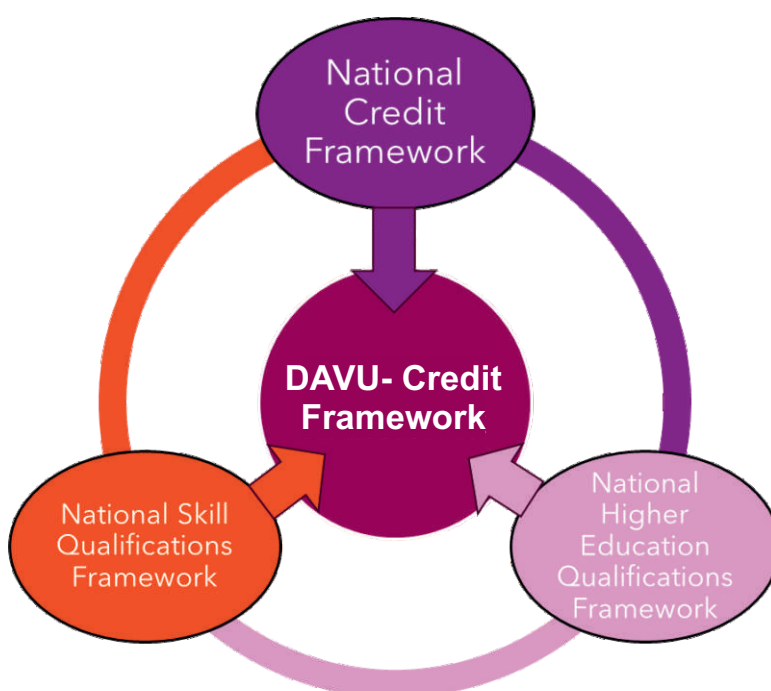
Multi-Entry & Multi-Exit Policy

Institution Transfer Credits

MOOCs based Credits

Academic Bank of Credits

National Credit Framework

DAVU- Credit Framework

National Skill Qualifications Framework

National Higher Education Qualifications Framework

MULTI - ENTRY & MULTI – EXIT

Certificate

After 1 year

After Acquiring 40 Credits +

Undergoing 4 Credits of Vocational / Skill Training and Assessment

Certificate Courses available from AY 2025

- Certificate Course in Computer Science
- Certificate Course in Food Science and Technology
- Certificate Course in Computer Applications
- Certificate Course in Commerce
- Certificate Course in Botany
- Certificate Course in Biotechnology
- Certificate Course in Microbiology
- Certificate Course in Zoology
- Certificate Course in Physics
- Certificate Course in Chemistry
- Certificate Course in Mathematics

CREDIT TRANSFER & ACADEMIC BANK OF CREDITS (ABC)

MULTI - ENTRY & MULTI – EXIT

Diploma

After 2 year

After Acquiring 80 Credits +

Undergoing 4 Credits of Vocational /

Skill Training and Assessment

Diploma Programs available from AY 2025

- Diploma in Computer Science
- Diploma in Food Science and Technology
- Diploma in Computer Applications
- Diploma in Commerce
- Diploma in Botany
- Diploma in Biotechnology
- Diploma in Microbiology
- Diploma in Zoology
- Diploma in Physics
- Diploma in Chemistry
- Diploma in Mathematics

MULTI - ENTRY & MULTI – EXIT

Degree

After 3 year

After Acquiring 120 Credits +

Undergoing 4 Credits of Vocational /

Skill Training and Assessment

Degree Programs available from AY 2025

- Bachelor of Science - Computer Science
- Bachelor of Science - Food Science and Technology
- Bachelor of Computer Applications
- Bachelor of Commerce
- Bachelor of Science - Botany
- Bachelor of Science - Biotechnology
- Bachelor of Science - Microbiology
- Bachelor of Science - Zoology
- Bachelor of Science - Physics
- Bachelor of Science - Chemistry
- Bachelor of Science - Mathematics

MULTI - ENTRY & MULTI – EXIT

Honours Degree

After 4 year

After Acquiring additional 40 Credits for

MHS programs / additional 20 credits

for Engineering Programs

And undergoing capstone project
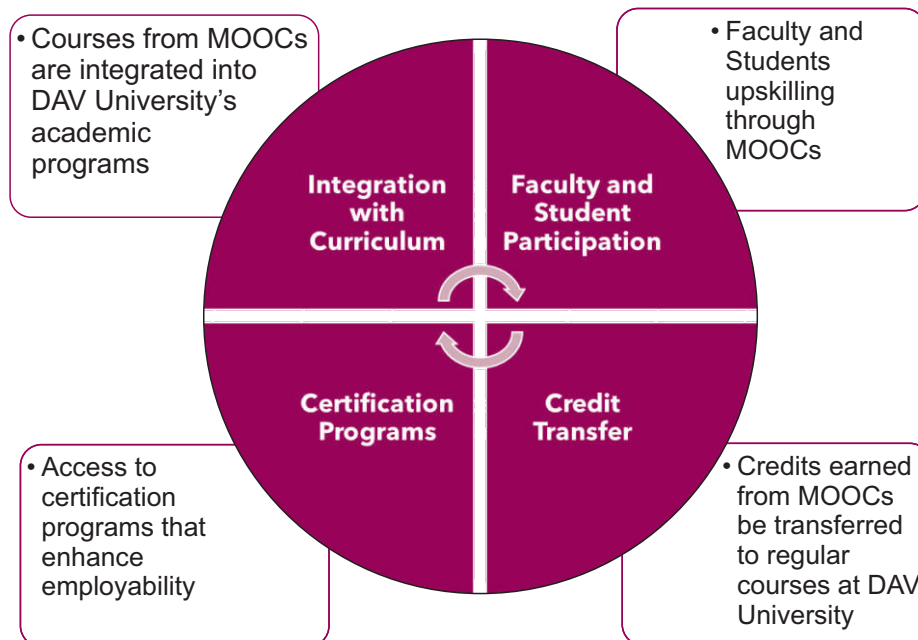
during final year

Degree Programs available from AY 2025

- Bachelor of Science (Honours) Computer Science
- Bachelor of Science (Honours) Food Science and Technology
- Bachelor of Computer Applications (Honours)
- Bachelor of Commerce (Honours)
- Bachelor of Science (Honours) Botany
- Bachelor of Science (Honours) Biotechnology
- Bachelor of Science (Honours) Microbiology
- Bachelor of Science (Honours) Zoology
- Bachelor of Science (Honours) Physics
- Bachelor of Science (Honours) Chemistry
- Bachelor of Science (Honours) Mathematics
- B. Tech - Computer Science & Engineering (Honours)
- B. Tech - Mechanical Engineering (Honours)
- B. Tech - Civil Engineering (Honours)
- B. Tech - Electrical Engineering (Honours)

CREDIT TRANSFER & ACADEMIC BANK OF CREDITS (ABC)

MOOCS BASED CREDITS

- Courses from MOOCs are integrated into DAV University's academic programs

- Faculty and Students upskilling through MOOCs

Integration with Curriculum

Faculty and Student Participation

Certification Programs

Credit Transfer

- Access to certification programs that enhance employability

- Credits earned from MOOCs be transferred to regular courses at DAV University

INSTITUTION TRANSFER CREDITS

Flexible Transfer Policy: Provision for students from other universities to transfer into our programs at various stages.

Global Learning Experience: Students can spend a semester at a partner university abroad, enriching their academic and cultural perspectives.

Student Migration : Students can join in the middle of their academic journey, ensuring continuity and flexibility.

International Networking: Build global connections with peers, academicians, and industry professionals.

Credit Transfer: Recognition of credits earned from other accredited universities to ensure smooth academic progression.

Academic Credit Transfer: Earn credits that seamlessly transfer to the home university, ensuring no disruption to graduation timelines.

Cultural Immersion: Experience diverse cultures, languages, and traditions, enhancing personal growth and adaptability.

DAV UNIVERSITY

CREDIT TRANSFER & ACADEMIC BANK OF CREDITS (ABC)

ACADEMIC BANK OF CREDITS

- A digital platform for storing and retrieving academic credits.

- Registration of the institution and students on the ABC platform

- Flexibility to earn, accumulate, and transfer credits across institutions

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APAAR ID : 682331280756

DAV UNIVERSITY
Statement of Marks/Grades
B. A. (Hons.) - English
IV SEMESTER
MARCH 2024 Examination
2022-23

Reg No.	12100931	MC No.	IS2401885
Name	GOURAV RANA	Roll No.	12100931
Father's Name	NARINDER KUMAR	Mother's Name	REENA DEVI

Sub Code / Course ID	Subject/Papers	Grade	Credit
ENG231D	BRITISH DRAMA	C	6
ENG232D	BRITISH PROSE	C	6
ENG233D	BRITISH FICTION - I	B	6
ENG237D	PRACTICAL ENGLISH USAGE - I	C	6
HIS108	HISTORY - II	C	6
	TOTAL		30

Percentage	:	50.1	SGPA	:	5.2	RESULT : **PASS**
Dated	:	29/06/2024	CGPA	:	5.01	

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Digitally signed on
Date : 27/05/2025 16:40:02 IST

FLEXIBLE ACADEMIC SYSTEM

Choice Based Credit System (CBCS)

Choice of Specializations

Honors Degree

Minor Degree Programs

CHOICE BASED CREDIT SYSTEM

Humanities, Arts & Social Science Courses

Basic Science Courses

Engineering Science Courses

Professional Core Courses

Flexi-core Courses

Skill Development Courses

Ability Enhancement Courses

Paramedical Courses

Multi-Disciplinary Courses

Professional Elective Courses
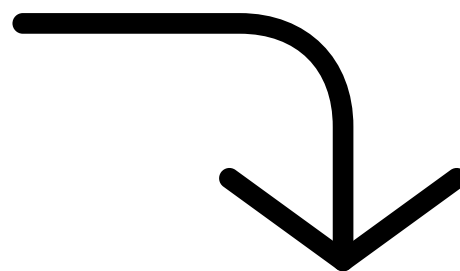
Management Elective Courses

Open Elective Courses

Research projects & Internships

Social Immersive Learning

Value Added Courses

Pharmacetutical Sciences

Minimum Credit requirement for Each Category

FLEXIBLE ACADEMIC SYSTEM

HONORS DEGREES

Humanities, Arts & Social Science Courses

Basic Science Courses

Engineering Science Courses

Professional Core Courses

Flexi-core Courses

Skill Development Courses

Honours Flexi-Core Courses

Ability Enhancement Courses

Paramedical Courses

Multi-Disciplinary Courses

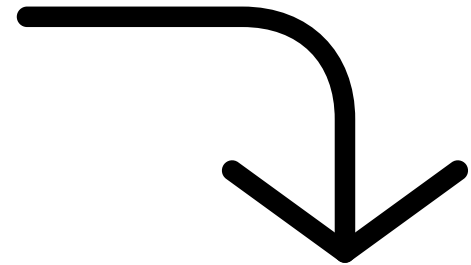Professional Elective Courses

Management Elective Courses

Open Elective Courses

Research projects & Internships

Social Immersive Learning

Value Added Courses

Pharmacetutical Sciences

Additional 40 Credits to graduate with Honors Degree

Honors

Honors through Research

FLEXIBLE ACADEMIC SYSTEM

CHOICE OF SPECIALIZATIONS

Clinical Psychology	Full Stack Development
Counselling Psychology	Plant Pathology
AI-ML	Genetics & Plant Breeding
Artificial Intelligence	Horticulture
Cyber Security	Structural Engineering
Data Analytics	Parasitology
Marketing & E-Commerce	Entomology
Banking & Finance	Aquaculture
Business Regulations	Industrial Psychology
Marketing	Child Psychology
Advanced Accounting & Taxation	Positive Psychology

Human Resource Management

INDIAN KNOWLEDGE SYSTEMS & PROMOTION OF INDIAN LANGUAGES

Indian Knowledge Systems
Courses included into curriculum: Vedic Mathematics, Yoga & Meditation, Philosophy of Swami Dayanand Saraswati etc.

Programs offered in Regional Language
In BPEd., MPEd. flexibility for students to appear & take assessments in regional Language.

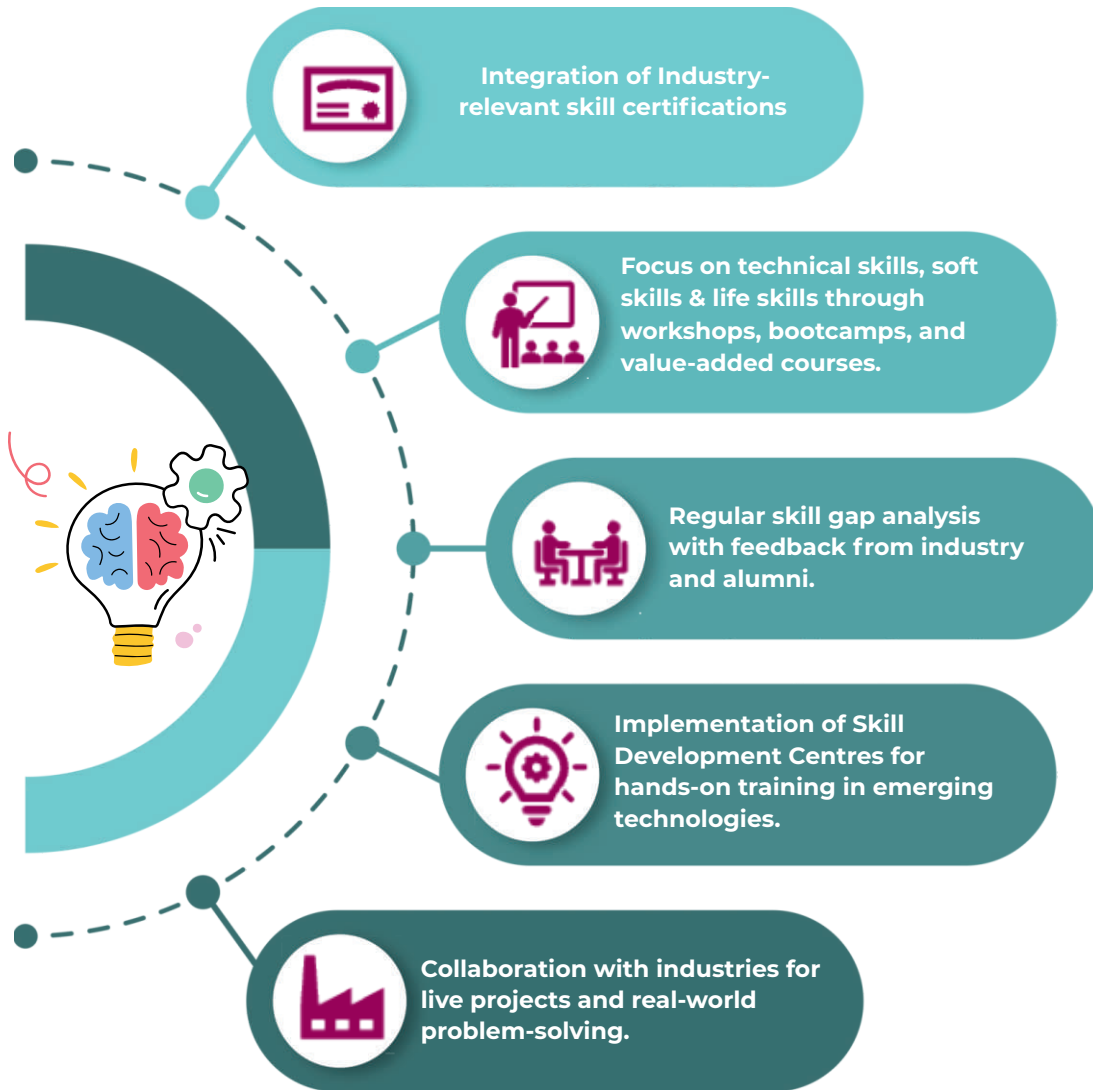**Promotion of Classical Languages and Literature**
Language specific clubs for Social Immersive Learning

Language Labs
English Lab

SKILL DEVELOPMENT, EMPLOYABILITY & EXPERIENTIAL LEARNING

SKILL DEVELOPMENT

Integration of Industry-relevant skill certifications

Focus on technical skills, soft skills & life skills through workshops, bootcamps, and value-added courses.

Regular skill gap analysis with feedback from industry and alumni.

Implementation of Skill Development Centres for hands-on training in emerging technologies.

Collaboration with industries for live projects and real-world problem-solving.

EMPLOYABILITY

Placement-readiness programs: Resume building, aptitude training, and mock interviews.

Inclusion of **career-focused electives** tailored to industry demand.

Regular **industry-academia interactions**: Guest lectures, seminars, and mentoring.

Emphasis on **multi-disciplinary projects** to enhance adaptability and innovation.

Strong **alumni network engagement** to leverage mentoring and career opportunities.

SKILL DEVELOPMENT, EMPLOYABILITY & EXPERIENTIAL LEARNING

EXPERIENTIAL LEARNING

Internship programs for real-world exposure.

Participation in **coding challenges** to enhance technical skills.

Hackathons to foster creativity and innovation.

Field visits and **Industry interactions** for practical insights.

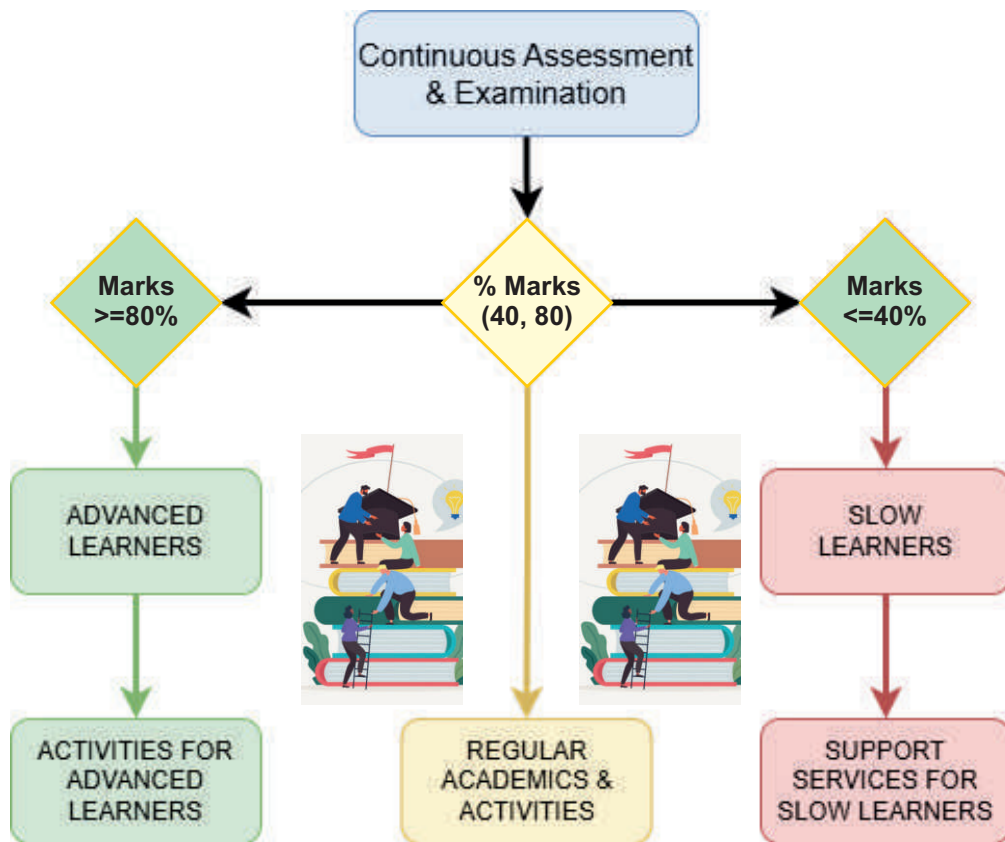**Student-led research** and multi-disciplinary projects for holistic growth.

Laboratories

- Academic Labs
- Computer Center
- Industry Connected Labs
- Polyhouse, Green House
- Innovation and Incubation Center
- Research Centric Labs

STUDENT-CENTRIC LEARNING

PARTICIPATIVE LEARNING
ALM, Guest Lecture, Workshop

PROJECT-BASED LEARNING (PBL)
Capstone Project, Research Project, Skill Development Project

EXPERIENTIAL LEARNING
Industrial visit, Internship, Research Publication, Ideathon

SOCIAL IMMERSIVE LEARNING (SIL)
Extention Activities

PROBLEM-BASED LEARNING
Tutorial, Project Expo, Hackathon & Case Studies

INFORMAL LEARNING
Student Activity Centre (SAC), Hobby Clubs

PEER LEARNING
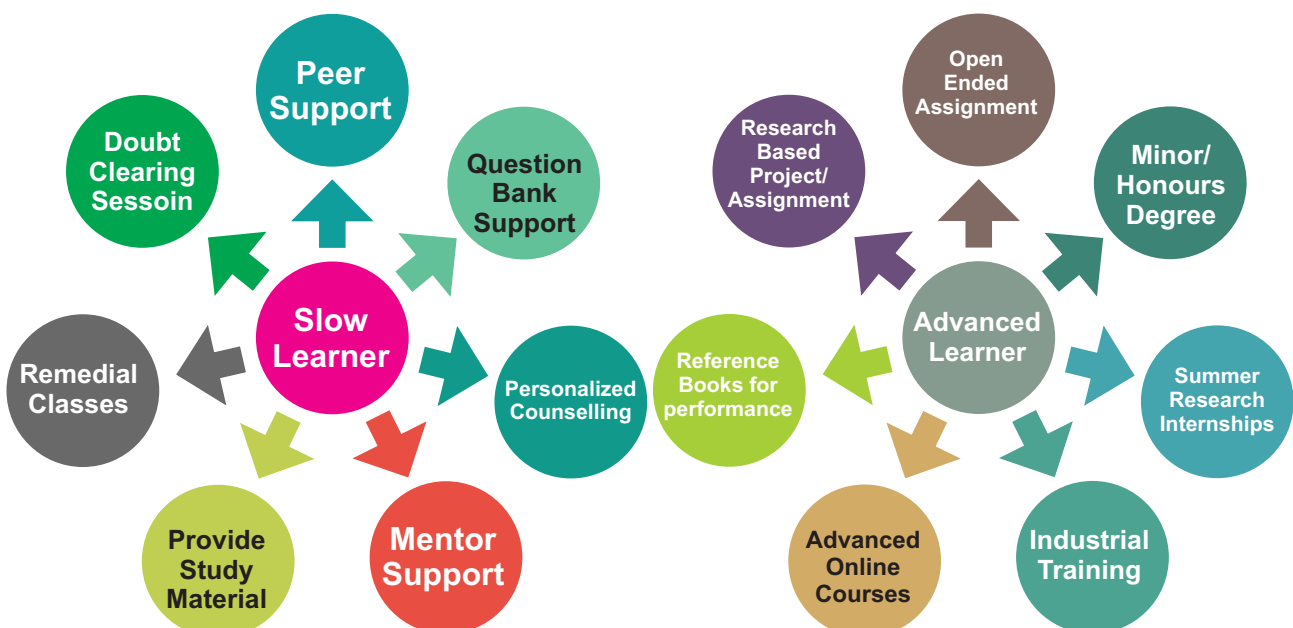Mentoring, Student Led Workshops, Think-Pair-Share

LEARNER-CENTRIC STRATEGIES

STUDENT-CENTRIC LEARNING

DEFINING LEARNING LEVELS

DIFFERENTIAL LEARNING NEEDS

RESEARCH, INNOVATION & ENTREPRENEURSHIP

RESEARCH

Research projects embedded in the curriculum.

Honours with Research as a program flexibility with additional 20 credits and research outcomes.

Teaching research methodologies, independent research study as flexi-core subjects.

Promoting research-based assignments and projects.

Initiatives in Public Health via Community Service in Collaboration with University of Memphis

Involving students in faculty-led research activities with Research Fellowship.

Supporting quality publications & patents

RESEARCH, INNOVATION & ENTREPRENEURSHIP

INNOVATION & ENTREPRENEURSHIP

Curriculum Integration

Design Thinking and Innovation (DTI)

Innovation & Entrepreneurship related flexi-core courses for building market ready startups
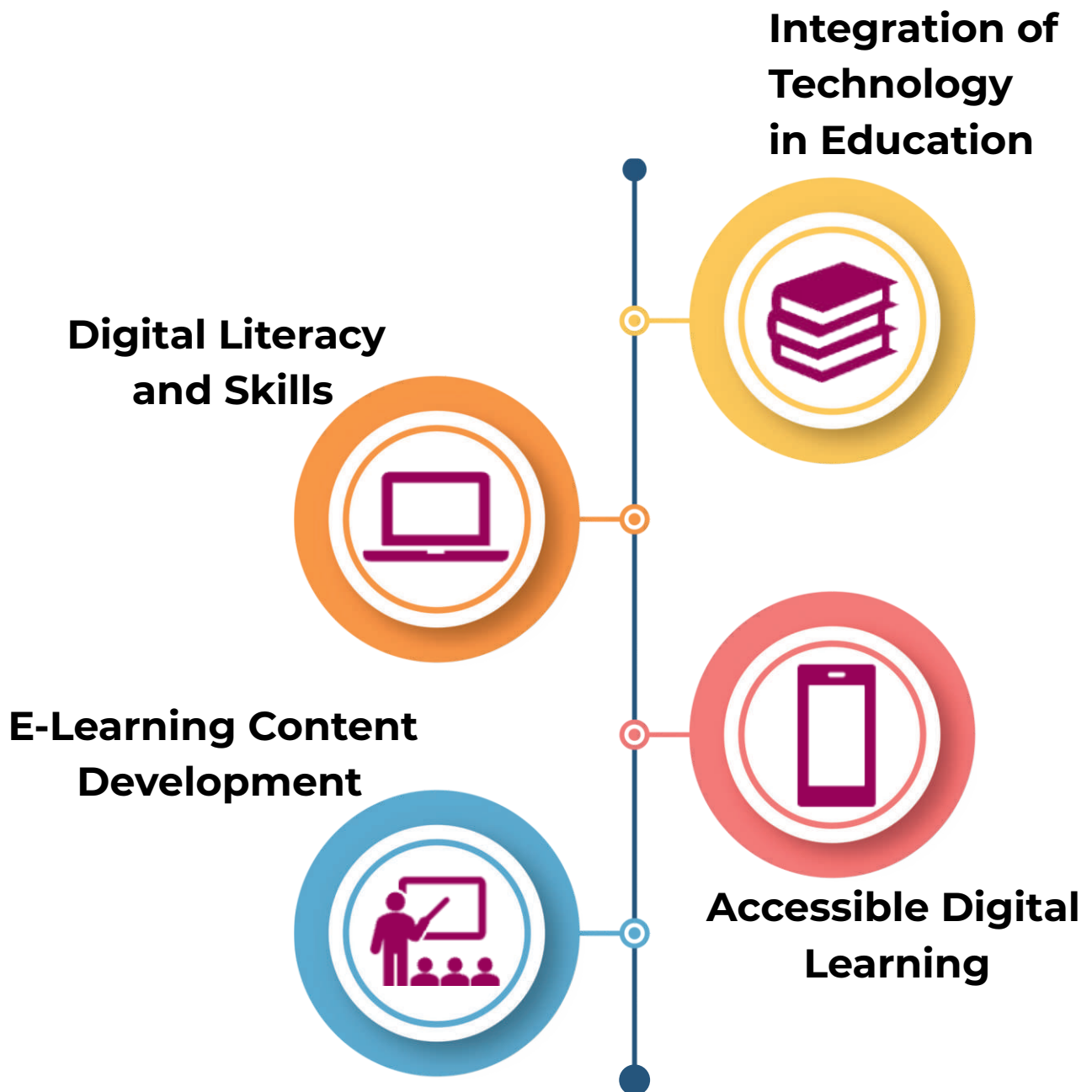
Mentorship programs for student startups

Institute Innovation Council (IIC)

DAV UNIVERSITY

DIGITAL EMPOWERMENT

Integration of Technology in Education

Digital Literacy and Skills

E-Learning Content Development

Accessible Digital Learning

SOCIAL IMMERSIVE LEARNING & INFORMAL LEARNING

- SOCIAL & OUTREACH ACTIVITIES
- TECHNICAL EVENTS
- HOBBY CLUB EVENTS & SPORTS
- HEALTH & WELL-BEING EVENTS
- TECHNOLOGY & INNOVATION CLUBS

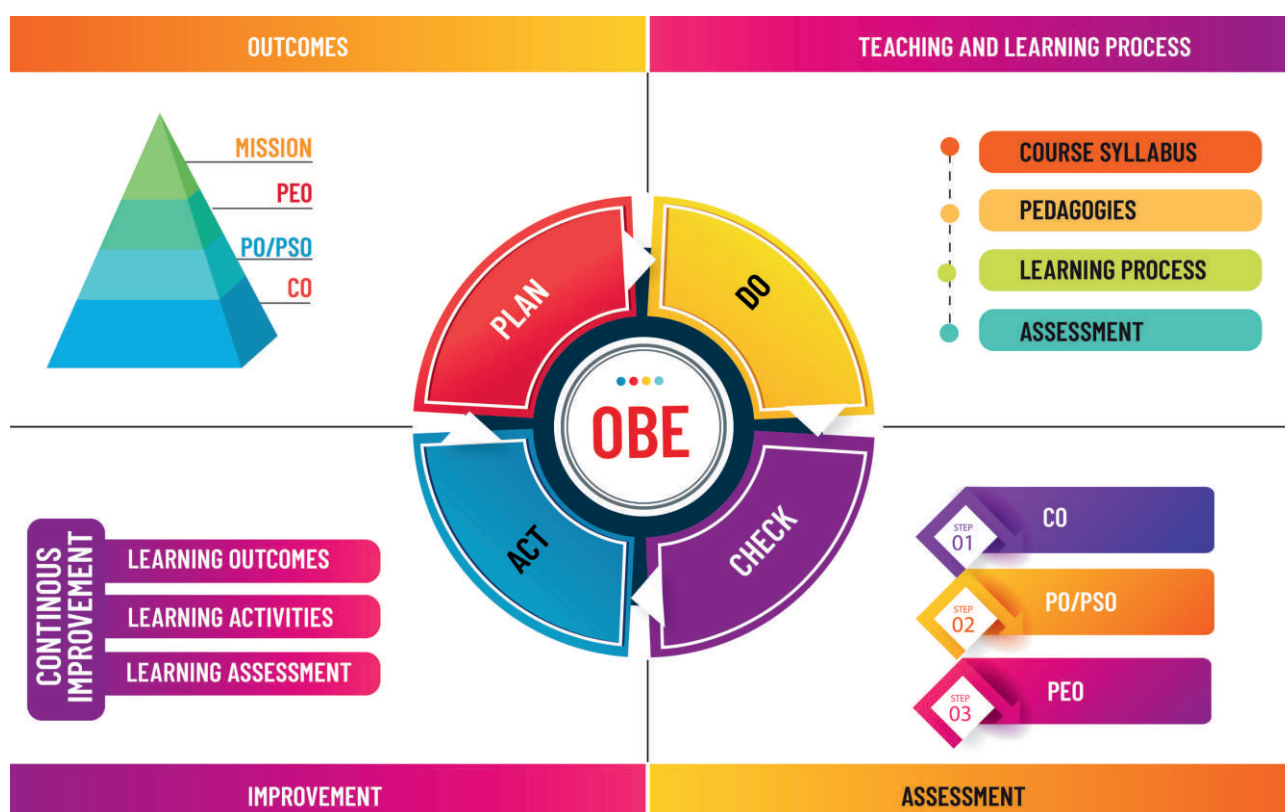# ASSESSMENT & QUALITY EDUCATION

Formative Assessment

- Active Learning Methods
- Tutorial & Home Assignment
- Lab/ Skill Continuous Evaluation
- Project Review/ Presentation
- Event Participation (Informal Learning)
- Global challenges Leaderboard
- Hackathon/ Learnathon/ Insigtathon
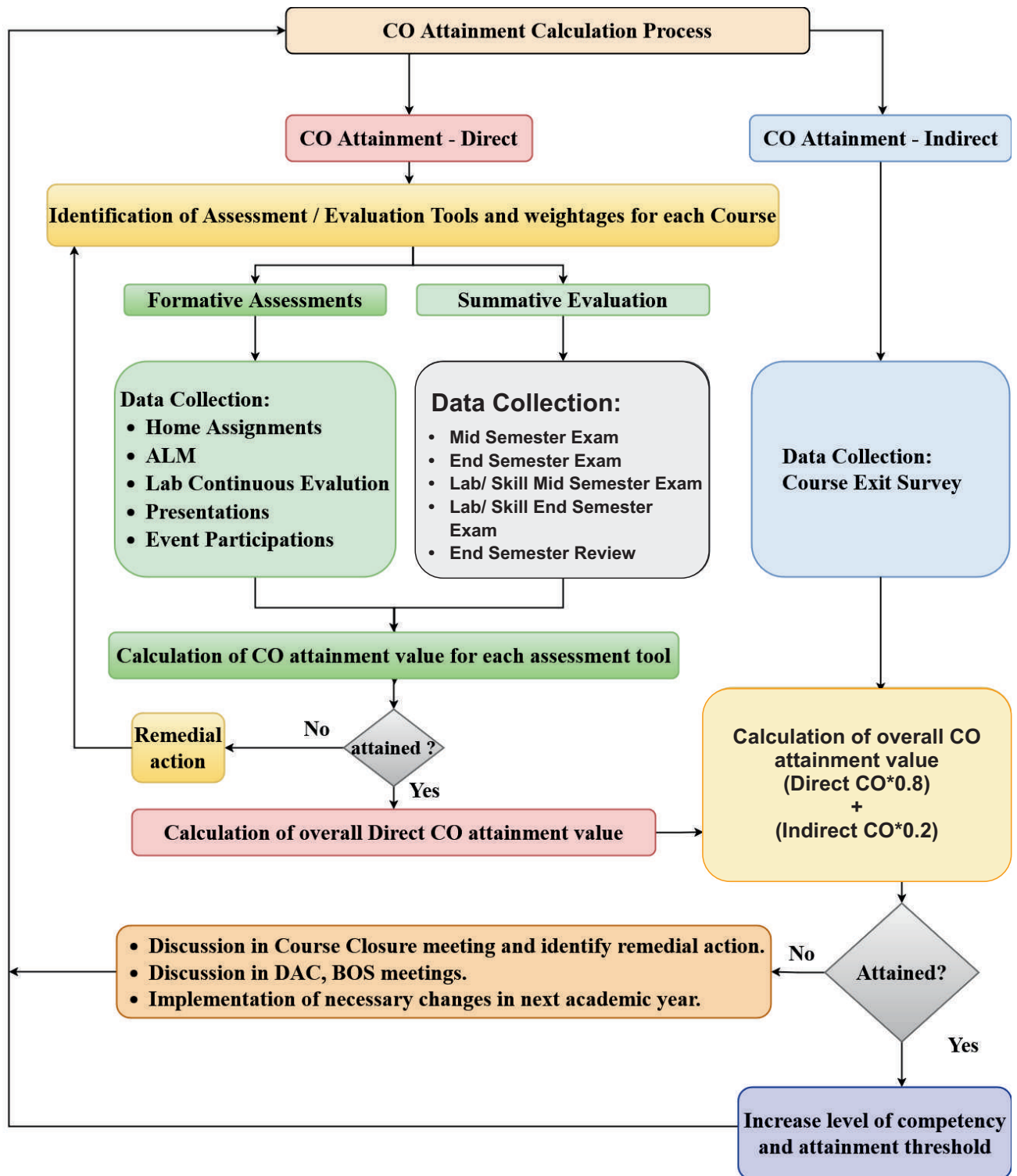- Video Logs Creation
- Quiz

Summative Assessment

- Mid Semester Exam
- End Semester Exam
- Lab/ Skill Mid Semester Exam
- Lab/ Skill End Semester Exam
- End Semester Project Review
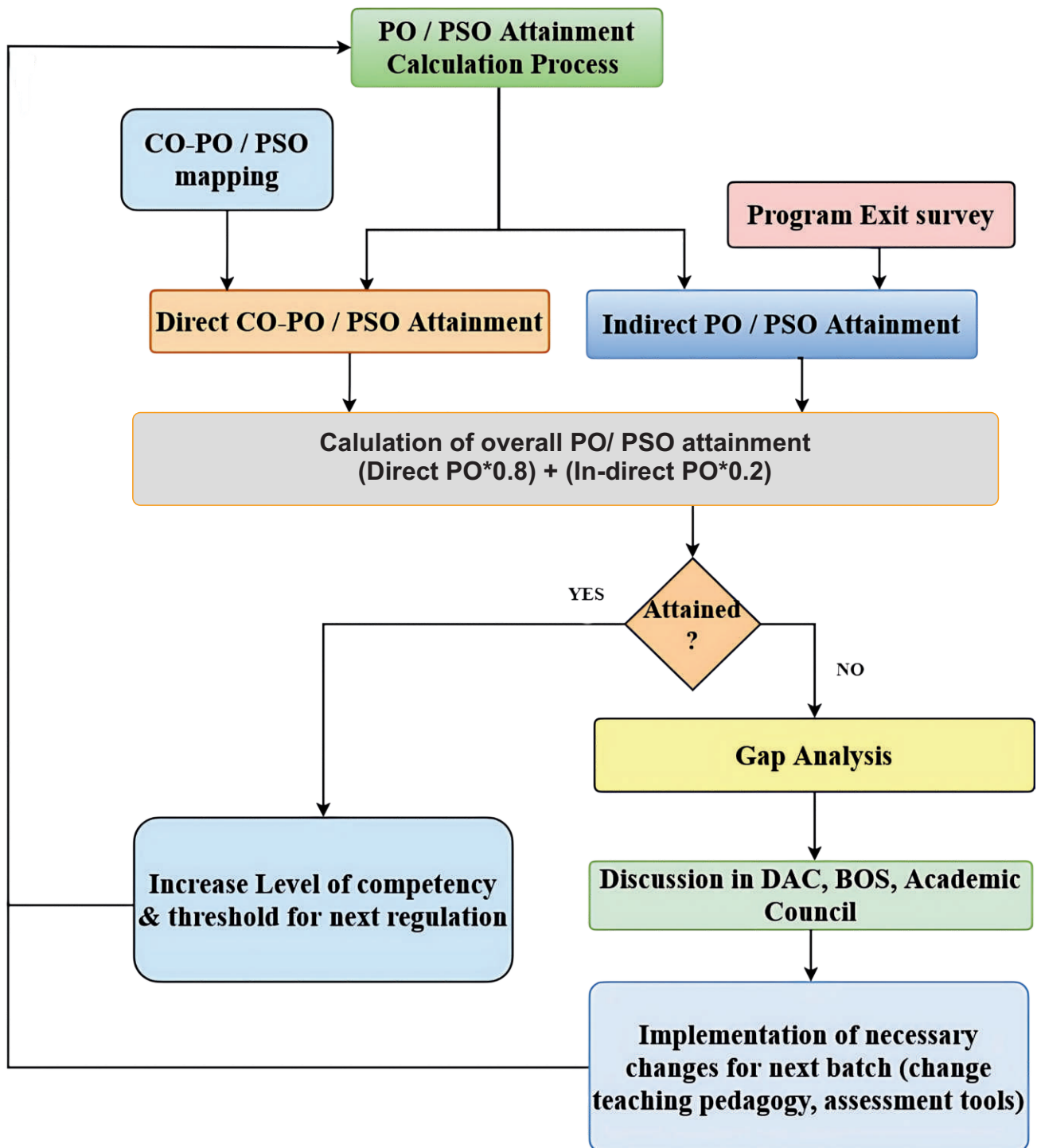- End Semester Poster Presentation

OUTCOME BASED EDUCATION

ASSESSMENT & QUALITY EDUCATION

COURSE OUTCOME ATTAINMENT PROCESS

CO Attainment Calculation Process

CO Attainment - Direct

CO Attainment - Indirect

Identification of Assessment / Evaluation Tools and weightages for each Course

Formative Assessments

Summative Evaluation

Data Collection:
- Home Assignments
- ALM
- Lab Continuous Evalution
- Presentations
- Event Participations

Data Collection:
- Mid Semester Exam
- End Semester Exam
- Lab/ Skill Mid Semester Exam
- Lab/ Skill End Semester Exam
- End Semester Review

Data Collection:
Course Exit Survey

Calculation of CO attainment value for each assessment tool

Remedial action

No — **attained ?** — Yes

Calculation of overall Direct CO attainment value

Calculation of overall CO attainment value (Direct CO*0.8) + (Indirect CO*0.2)

Attained? No / Yes

- Discussion in Course Closure meeting and identify remedial action.
- Discussion in DAC, BOS meetings.
- Implementation of necessary changes in next academic year.

Increase level of competency and attainment threshold

ASSESSMENT & QUALITY EDUCATION

PO / PSO ATTAINMENT PROCESS

EQUITABLE & INCLUSIVE EDUCATION

Equal Academic Opportunities
Curriculum and pedagogy tailored to accommodate diverse learning needs and styles

Remedial and Bridge Courses
To support students from under privileged or diverse educational backgrounds.

Faculty Training
Regular workshops for faculty on inclusive teaching practices and cultural sensitivity.

Flexible Learning Options
Multiple learning modes (online, offline, hybrid) to ensure accessibility for all students

Evaluation Without Bias
Transparent and fair assessment methods to ensure inclusivity in academic evaluations

COMPREHENSIVE STUDENT SUPPORT

- Academic Counseling
- Career Counseling
- Psychological Counseling
- Library & Learning Resource Centre
- Health & Wellness Centre
- Scholarship & Financial Aid Assistance
- Student Grievance Redressal Cell
- Student Clubs
- Innovation and Entrepreneurship Cell (CIIE)
- Alumni Association and Networking Services
- Student Feedback Mechanism
- International Student Office
- Anti-Ragging Cell
- Industry Immersion Programs

CAPACITY BUILDING FOR TEACHERS

FACULTY RECRUITMENT AND CAREER PATH

PROFESSIONAL DEVELOPMENT OF FACULTY

INCENTIVES FOR EXCELLENCE

NEP-ALIGNED TRAINING THROUGH MADAN MOHAN MALAVIYA SCHEME

SEMESTER READINESS PROGRAM

Phase -1
- Content mapping as per Blooms taxonomy
- Self-learning phase
- Activities for ALMs
- Delivery materials

Phase-2
- Approved Course Handout
- Question bank preparation
- Self-Learning Materials (SLM)
- Benchmarking
- Peer lecture delivery

Phase-3
- Finalized Video lectures
- Lab setup ,Lab experiments and documents
- Availability of course materials, ALMs, Quizzes, assignments in ERP/LMS.

Competitive and
affordable fee structure

Scholarship for
meritorious students

Programmes blend traditional
and modern learning
experience with technology in
relevance to the industry

A fast track outcome
based teaching
strategy to keep you
ahead of the time.

Students' exposure
to relevant industry
experts

Pathway to multiple
career options in the
professional world

in davuniv

davuniv

f davuniv

You Tube davunivtv

davu.insta

VEDAS
असतो मा सद्गमय
DAV UNIVERSITY

70870-17551, 70870-17552, 70870-17553, 1800-1800-190

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