30+ YEARS OF PROUD LEGACY

BABA FARID GROUP OF INSTITUTIONS

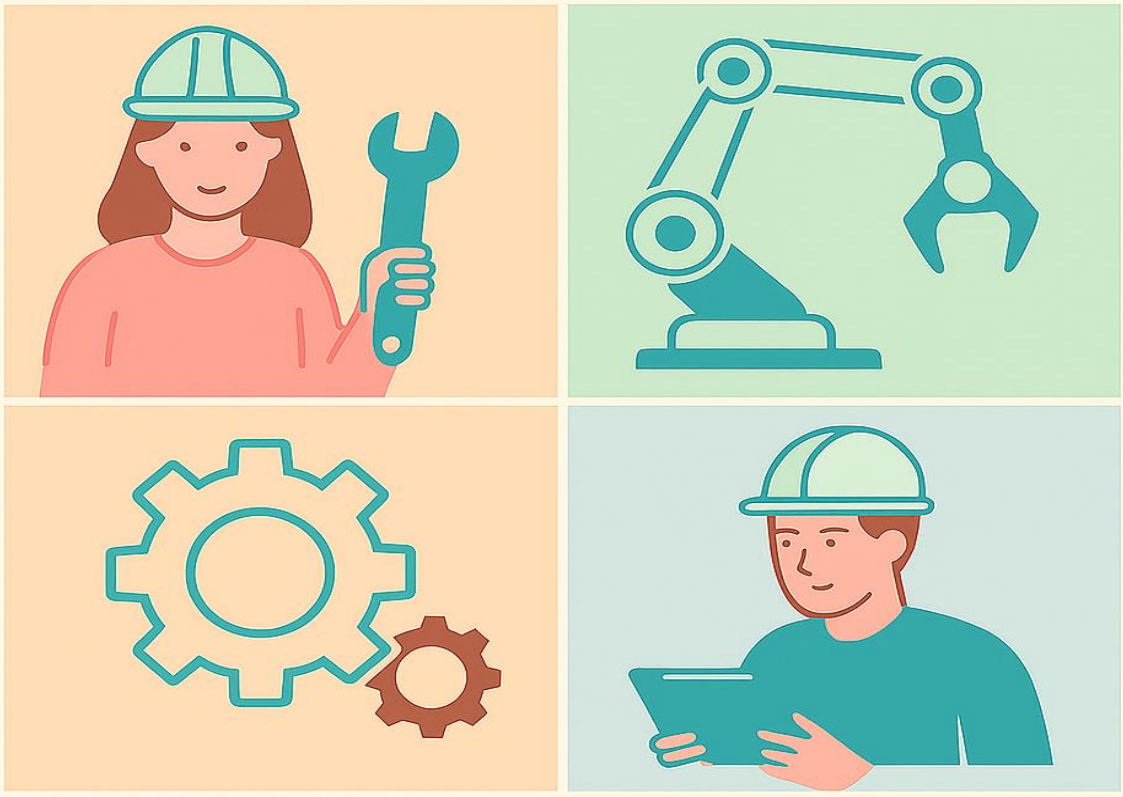
Bathinda, Punjab (India) | www.babafaridgroup.edu.in

NAAC GRADE A+ Accredited Institution (BFCET)

DARPAN

BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY

PLANNING AND STRATEGIES FOR ENHANCING ACADEMICS, RESEARCH AND STUDENT SATISFACTION



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Vision

To strive to gain worldwide recognition as a distinguished institution, promoting academic excellence through impactful collaborations with industry partners. Our pledge is to mould students into globally aware and socially responsible contributors to society.

Mission

1. Foster a globally collaborative environment for the free exchange of ideas, promoting research, creativity and entrepreneurship.
2. Enhance education standards through accreditation and active participation in global Rankings.
3. Forge strong international partnerships with industry, academia and research institutes to bridge global gaps.
4. Effective curriculum delivery with innovative pedagogy and a practical, globally relevant approach.
5. Empowering students as global problem solvers and critical thinkers.
6. Cultivate an international Research and Development environment for faculty and students.
7. Provide equal opportunities in a sustainable and inclusive global education system.

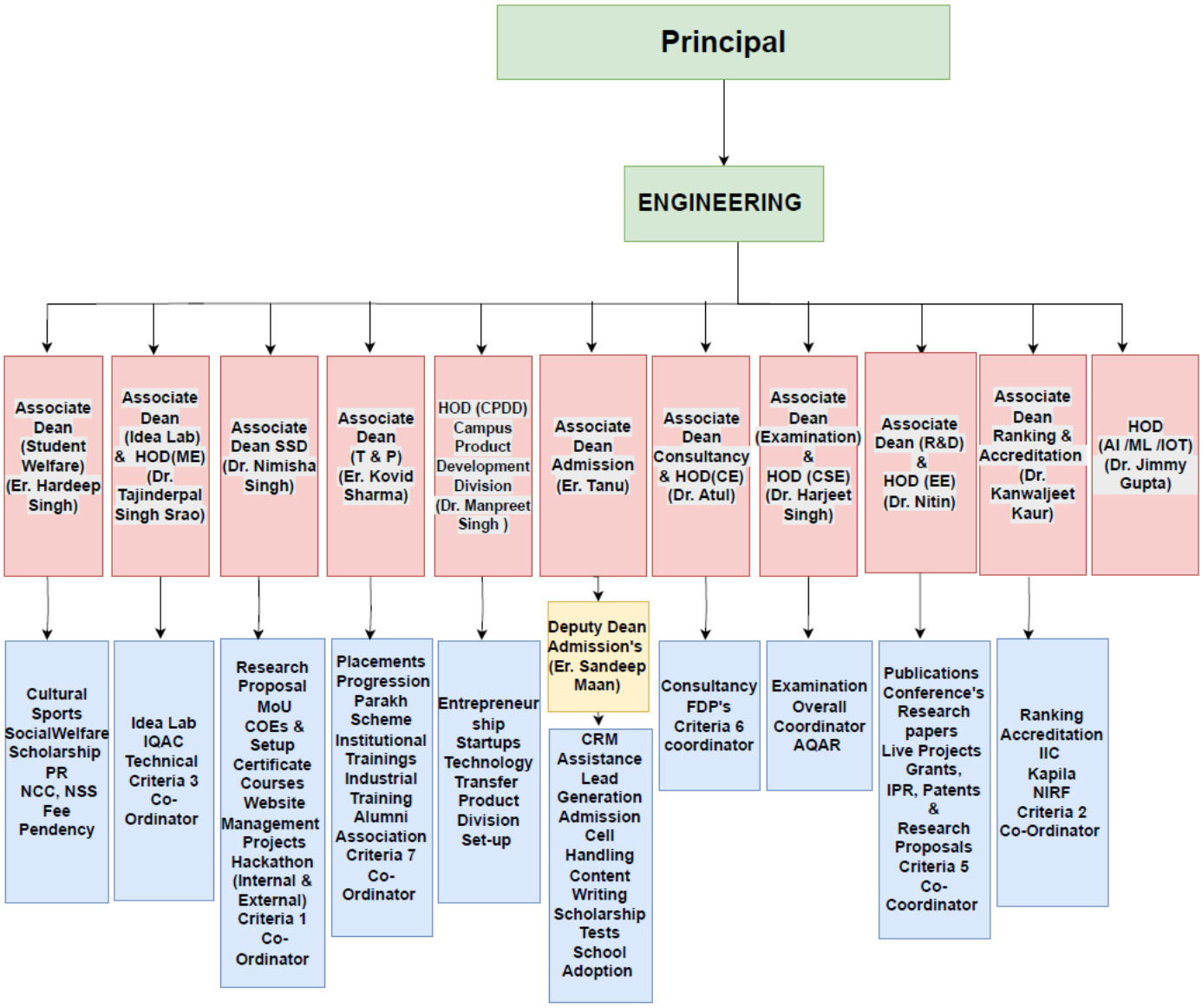
Core Values

1. Adopting sustainable development as a central organizing principle.
2. Being innovative and enterprising.
3. Delivering quality and excellence with pride.
4. Respecting others to inspire them to deliver their best.
5. Maintaining a hi-tech campus (digital smart boards, Wi-Fi, e-journals access, well-equipped labs, etc.).

About BFCET

Programs

Sr. No.	Name of Program	Number of Students	Sections	Teaching Staff	No. of Lecture Halls	No. of Labs
1	B.Tech. Computer Science & Engineering	180	3	10	6	6
2	B.Tech. CSE (Artificial Intelligence and Machine Learning)	180	3	10	3	6
3	B.Tech. CSE (Data Science)	60	1	3	1	
4	B.Tech. CSE (IoT and Cyber Security Including Block Chain Technology)	60	1	7	2	1
5	B.Tech. Civil Engineering	90	1	9	3	6
7	B.Tech. Electrical Engineering	60	1	8	3	7
9	B.Tech. Mechanical Engineering	60	1	10	1	7
10	B.Tech. Mechanical and Automation Engineering	30	1	2	1	1
11	M.Tech. Computer Science & Engineering	18	1	5	1	2
Total	**–**	738	**13**	**28**	**21**	36


Principal
ENGINEERING
Associate Dean (Student Welfare) (Er. Hardeep Singh)
Associate Dean (Idea Lab) & HOD(ME) (Dr. Tajinderpal Singh Srao)
Associate Dean SSD (Dr. Nimisha Singh)
Associate Dean (T & P) (Er. Kovid Sharma)
HOD (CPDD) Campus Product Development Division (Dr. Manpreet Singh)
Associate Dean Admission (Er. Tanu)
Associate Dean Consultancy & HOD(CE) (Dr. Atul)
Associate Dean (Examination) & HOD (CSE) (Dr. Harjeet Singh)
Associate Dean (R&D) & HOD (EE) (Dr. Nitin)
Associate Dean Ranking & Accreditation (Dr. Kanwaljeet Kaur)
HOD (AI /ML /IOT) (Dr. Jimmy Gupta)
Cultural Sports SocialWelfare Scholarship PR NCC, NSS Fee Pendency
Idea Lab IQAC Technical Criteria 3 Co-Ordinator
Research Proposal MoU COEs & Setup Certificate Courses Website Management Projects Hackathon (Internal & External) Criteria 1 Co-Ordinator
Placements Progression Parakh Scheme Institutional Trainings Industrial Training Alumni Association Criteria 7 Co-Ordinator
Entrepreneurship Startups Technology Transfer Product Division Set-up
Deputy Dean Admission's (Er. Sandeep Maan)
CRM Assistance Lead Generation Admission Cell Handling Content Writing Scholarship Tests School Adoption
Consultancy FDP's Criteria 6 coordinator
Examination Overall Coordinator AQAR
Publications Conference's Research papers Live Projects Grants, IPR, Patents & Research Proposals Criteria 5 Co-Coordinator
Ranking Accreditation IIC Kapila NIRF Criteria 2 Co-Ordinator

Academic Excellence – BFCET

Vision

To cultivate a learner-centric academic ecosystem that fosters innovation, inclusivity, and holistic development, where every student—whether advanced or slow learner achieves their full potential through collaborative learning, skill enhancement, and continuous mentoring, thereby contributing to academic excellence and societal growth.

Objectives

1. To enhance student learning outcomes through innovative teaching methods, project-based learning (PBL), and skill-based training aligned with NEP 2020.
2. To implement structured mentoring and peer-assisted learning mechanisms for uplifting both advanced and slow learners.
3. To improve overall university results and ensure holistic growth by integrating academic, technical, and soft skills development initiatives.

Advanced and Slow Learner Planning

1. Advanced Learners (High Performers):

- Students consistently performing well in academics and clearing university exams without backlogs will be identified as Advanced Learners.
- They will be given opportunities to:
    - Act as Teaching Assistants (TAs) in labs, tutorials, and mentoring groups.
    - Lead mini-projects and innovation-driven activities under faculty guidance.
    - Participate in hackathons, technical competitions, and research projects to sharpen their problem-solving skills.
    - Attend advanced certification courses and industry training to prepare for higher studies or placements.

2. Slow Learners (Needing Support):

- Students facing difficulties in certain subjects or carrying backlogs will be identified as Slow Learners.
- Support mechanisms for them include:
    - Remedial classes and bridge courses focusing on difficult concepts.
    - Peer-to-peer mentoring where advanced learners (TAs) provide personalized academic guidance.
    - Regular doubt-clearing sessions, assignments, and extra tutorials to strengthen basics.
    - Counseling and skill-development workshops to boost confidence and learning pace.

3. Integration of Advanced and Slow Learners:

- A structured Mentor-Mentee system where each advanced learner (TA) assists 3–4 slow learners.
- Collaborative group projects ensuring knowledge sharing and equal participation.
- Regular performance reviews by faculty to track improvement and provide targeted interventions.

Branch and Semester-wise result analysis									
Branch	**Semester**	**Total Students**	**Passed Students**	**1 Subject Reappear (Name of Subject)**	**2 Subject Reappears (Name of Subjects)**	**More than 2 Student Reappears (Name of Subjects)**	**No of students targeted to be all clear**	**Grand Total of all clear students targeted to be all clear**	**Remarks / Action Plan**
ME	3rd	49	7	BCHEM0101=6 BMATH2201 =2	BCHEM0101=16 BMATH2201 =19	12	30	37	
	7th	13	9	0	02 BMECS1603 =2 BMECS1604 = 2 BMECS1605 =2	2	2	11	
CSE	3rd	107	33	21 BMATH1101= 16 BCSCE0101=01 BELEE0101=01 BPHYS1101=03	17 BCSCE0101=07 BMATH1101=15 BPHYS1101=07 BMECE0101=01 BMATH1201=03 BELEE0101= 01	36	38	71	Remedial Classes Target Group: Having 1 and 2 Reappear specially (Mathematics, Physics and BEEE) Schedule: 1. Mathematics classes are already schedule in timetable 2. Remedial classes for 1 and 2 reappear students at the last month of semester for reappear students. 2. Chapter-Wise University Pattern Question Banks 3. Regular Test Series Conduct unit-wise tests by subject Expert Use university pattern (Section A, B, C).
	5th	128	61	20 BCHEM0101= 01 BMATH1101= 07 BCSES1302 =03 BCSES1303 =03 BMATH1301= 06	12 BCSES1302 =01 BCSES1303=04 BMATH1101 = 08 BMATH1201= 03 BCSCE0101 =01 BMATH1301= 04 BMATH1401 = 01 BCSES1401 = 01 BHSMC00	35	32	93	

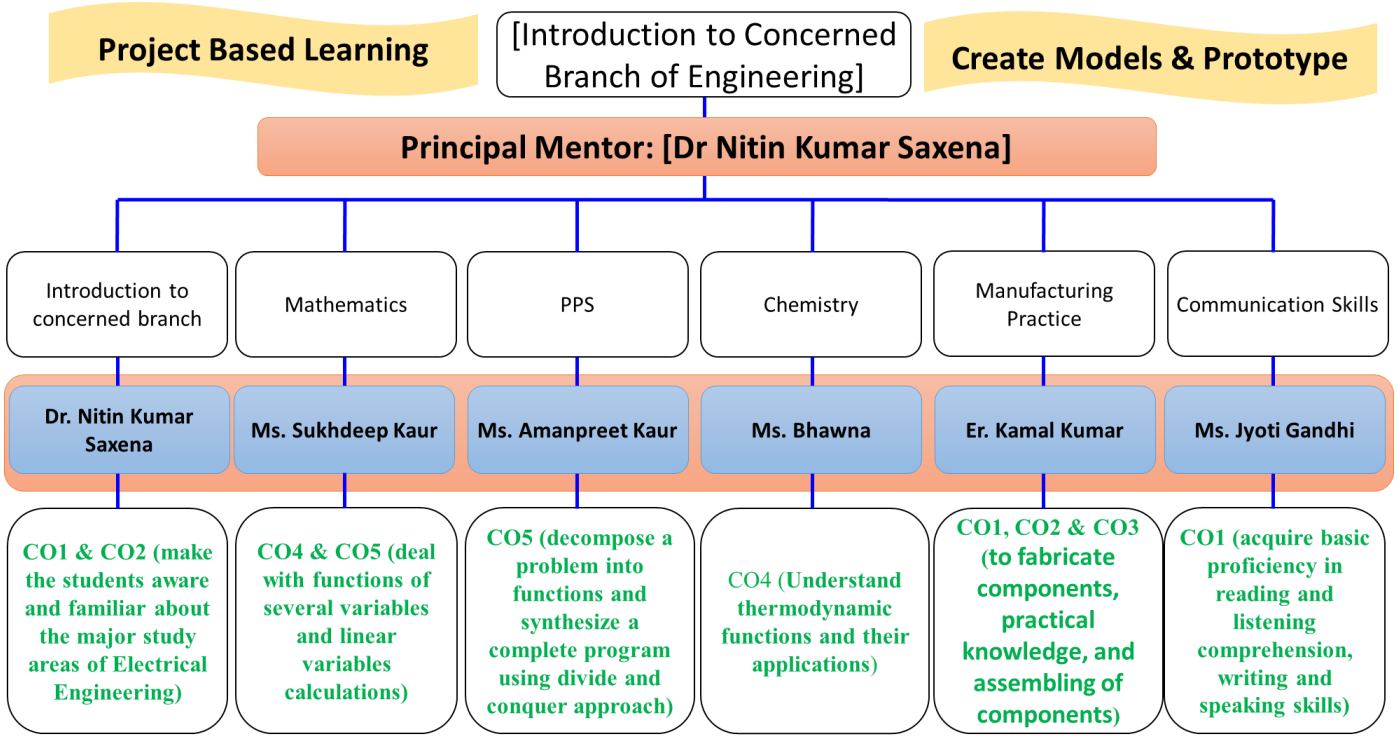
					26= 01				
	7th	126	61	08 (BMATH1301)=6 (BMATH1201)=1 (BCSED1622)=1	03 (BMATH1201)-1 (BMATH1301) - 1 (BMATH1401)-1 (BHSCM0015)-1 (BCSED1514) -1 (BHSCM0015) -1	50	15	76	
EE	3rd	39	15	7 (BPHYS3101)=06 (BMECE0101) =01	5 (BMATH3101) = 02 (BPHYS3101) = 05 (BMECE0101) = 02 (BELEE0101) = 01	14	12	17	Remedial class as per academic planner schedule Extra library slot classes by the concerned subject teacher teaching in department
	5th	20	10	4 (BELES1301)-2 (BELES1304)-2	4 (BELES1301)-4, (BELES1304)-4	2	10	18	Remedial class as per academic planner schedule Extra library slot classes by the concerned subject teacher teaching in department
	7th	25	13	0	3 (BELES1501)-1, (BELES1503)-2, (BEEE0F91)-1, (BELES1502) -2	8	12	36	Remedial class as per academic planner schedule Extra library slot classes by the concerned subject teacher teaching in department
CE	3rd	55	4	32 BMATH4-101	7 BMATH4-101	12	39	43	Remedial Classes Target Group: Having 1 and 2

					BMECE0-101 BELEE0-101				Reappear
	5th	34	11	10 BMATH4-101 BMATH4-301	3 BMATH4-101 BMATH4-201 BCSCE0-101	10	13	24	Remedial Classes Target Group: Having 1 and 2 Reappear
	7th	39	11	8 BMATH4-101 BMATH4-301 BCHEM0-101 BELEE0-101	6 BMATH4-101 BMATH4-201 BCIES1-321 BCHEM0-101 BCIES1-322 BCIES1-323 BCIES1-521	14	14	25	Remedial Classes Target Group: Having 1 and 2 Reappear
CSE (AI/ML)	3rd	178	70	50 BMATH201= 20 BELEE0101=11 BMECE0101=10 BPHYS1101=9	40 BCSCE0101=09 BMATH1101=15 BPHYS1101=09 BMECE0101=02 BMATH1201=03 BELEE0101= 02	18	60	130	Action plan involves conducting remedial classes as per schedule, organizing extra library sessions, preparing chapter-wise question banks, implementing regular test series, and ensuring unit-wise assessments are conducted by subject experts for continuous evaluation.
	5th	57	35	08 BCES1401=02 BMATH401=02 BCSES402=02 BCSES402 = 02	09 BCSES1302 =01 BCSES1303=01 BMATH1101 = 01 BMATH1201= 01	04 1 Reappear= 01 2 Reappear = 02 3 Reappear = 01	15	50	Action plan involves conducting remedial classes as per schedule, organizing extra library sessions, preparing chapter-wise question banks, implementing

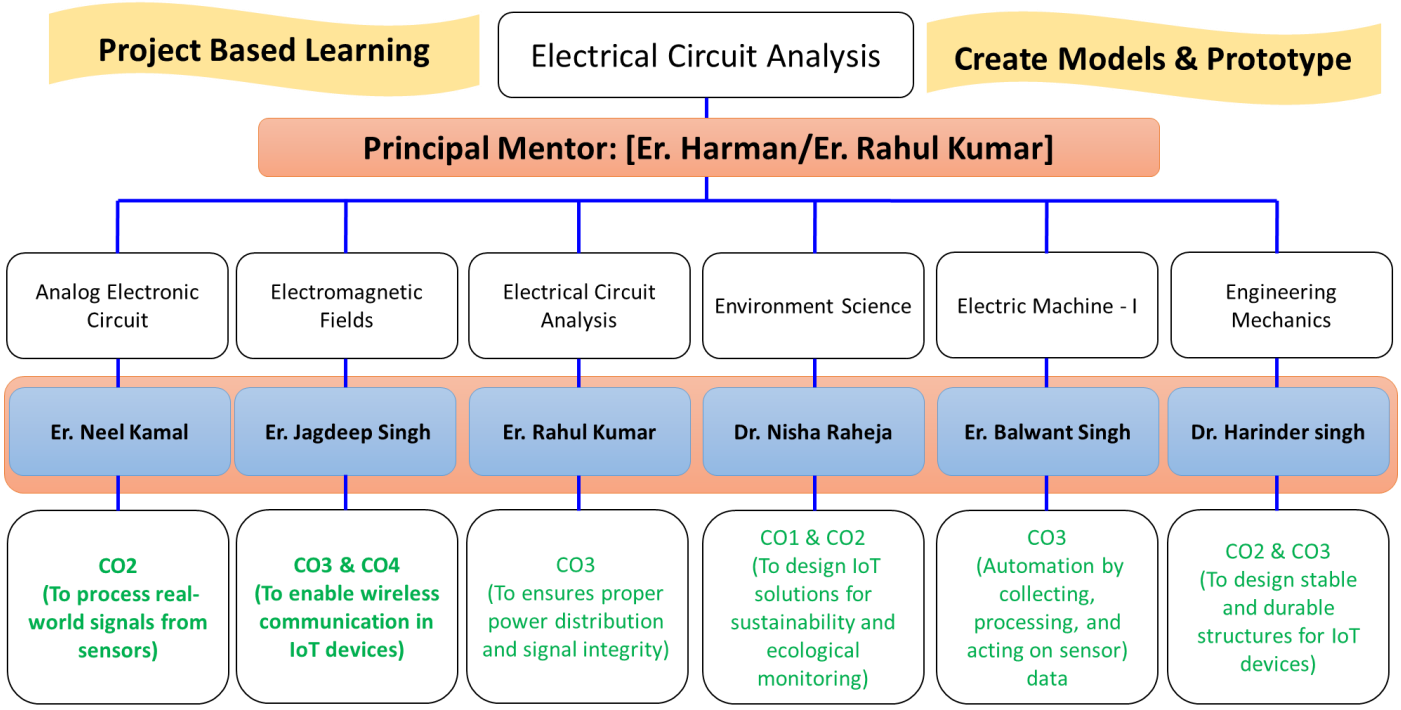
					BCSCE0101 =01 BMATH1301= 02 BMATH1401 = 01 BCSES1401 = 01				regular test series, and ensuring unit-wise assessments are conducted by subject experts for continuous evaluation.
CSE (IoT)	3rd	59	30	15 BMATH2201= 07 BELEE0101=03 BMECE0101=02 BPHYS1101=03	08 BCSCE0101=01 BMATH1101=03 BPHYS1101=01 BMATH1201=03	06	20	50	Action plan involves conducting remedial classes as per schedule, organizing extra library sessions, preparing chapter-wise question banks, implementing regular test series, and ensuring unit-wise assessments are conducted by subject experts for continuous evaluation.
	5th	28	27	1 BMATH4 01=01	0	0	1	28	Action plan involves conducting remedial classes as per schedule, organizing extra library sessions, preparing chapter-wise question banks, implementing regular test series, and ensuring unit-wise assessments are conducted by subject experts for continuous evaluation.

Department of Electrical Engineering

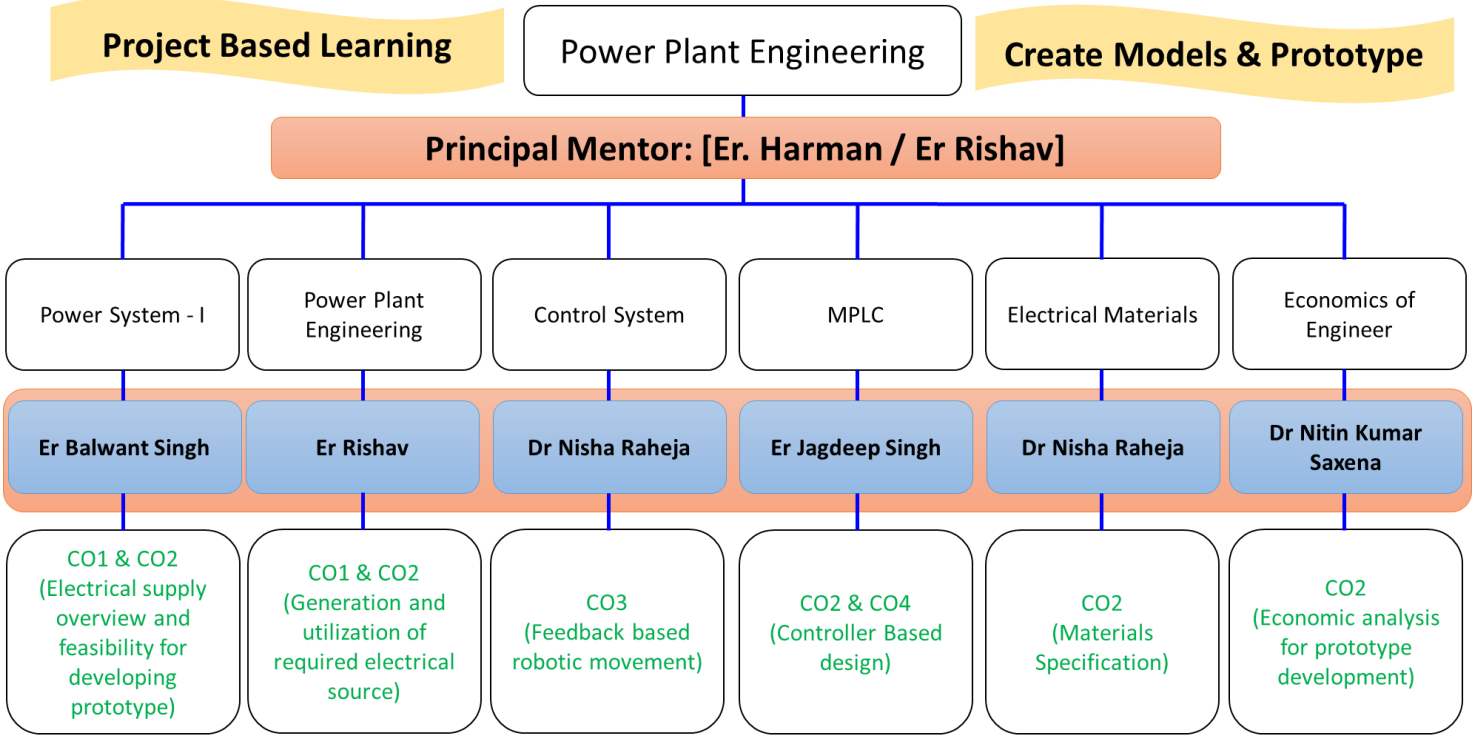
Department: [Electrical Engineering] Semester: 1st



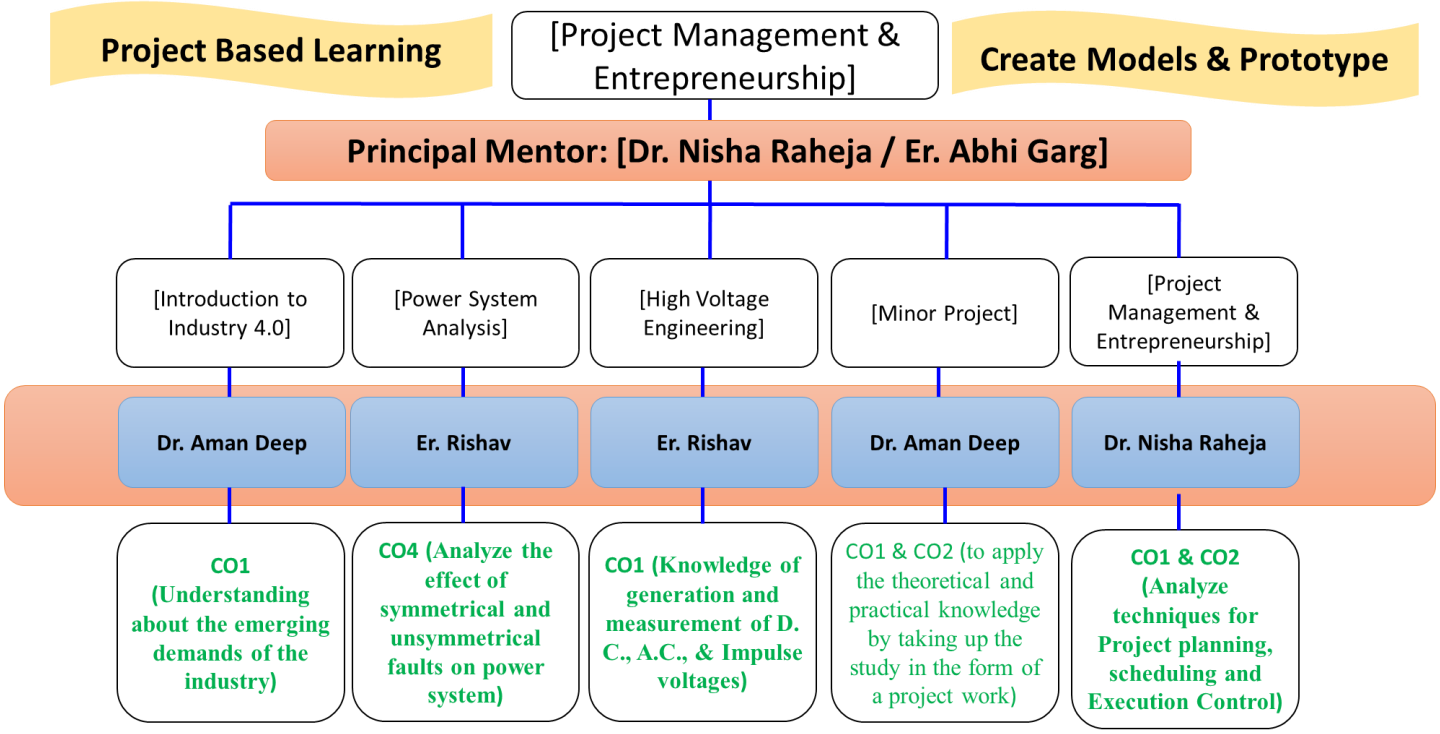
Department: [Electrical Engineering] Semester: 3rd



Department: [Electrical Engineering] Semester: 5th

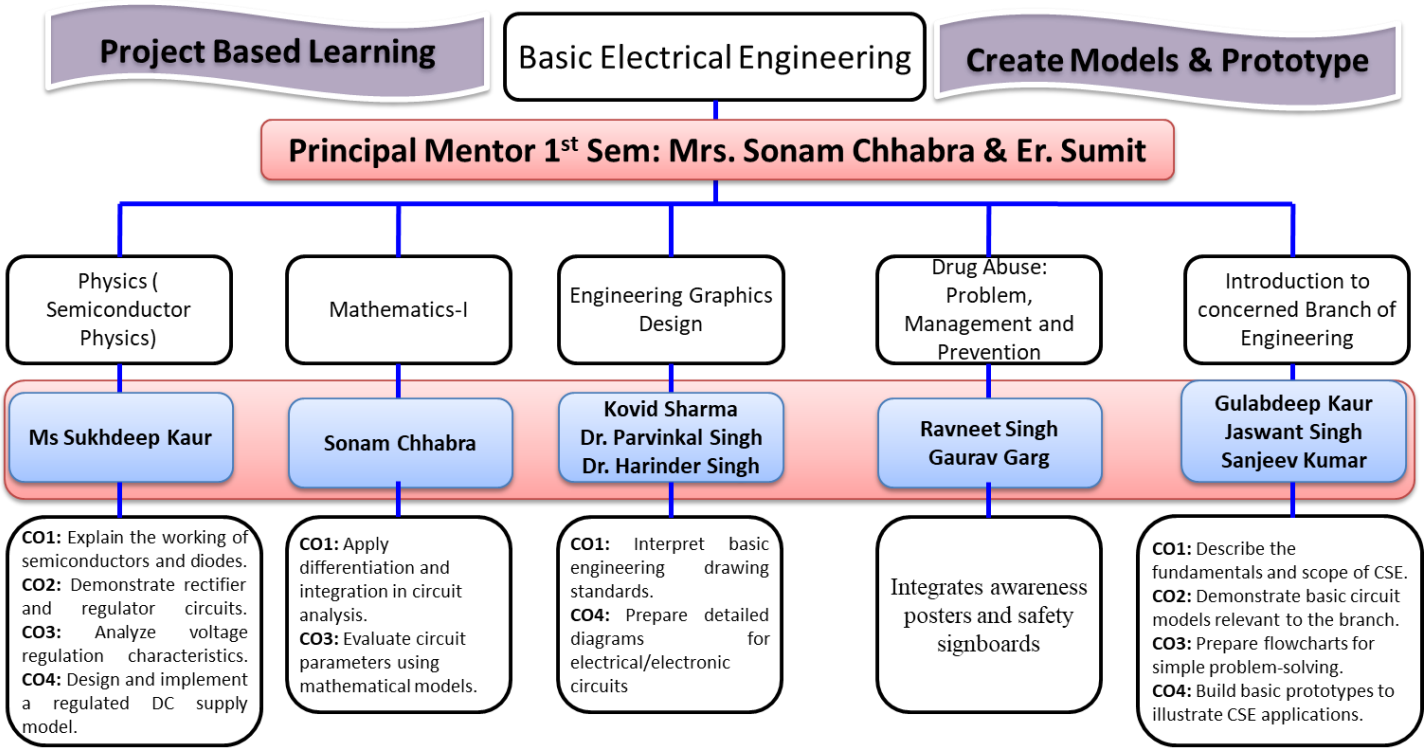


Department: [Electrical Engineering] Semester: 7th

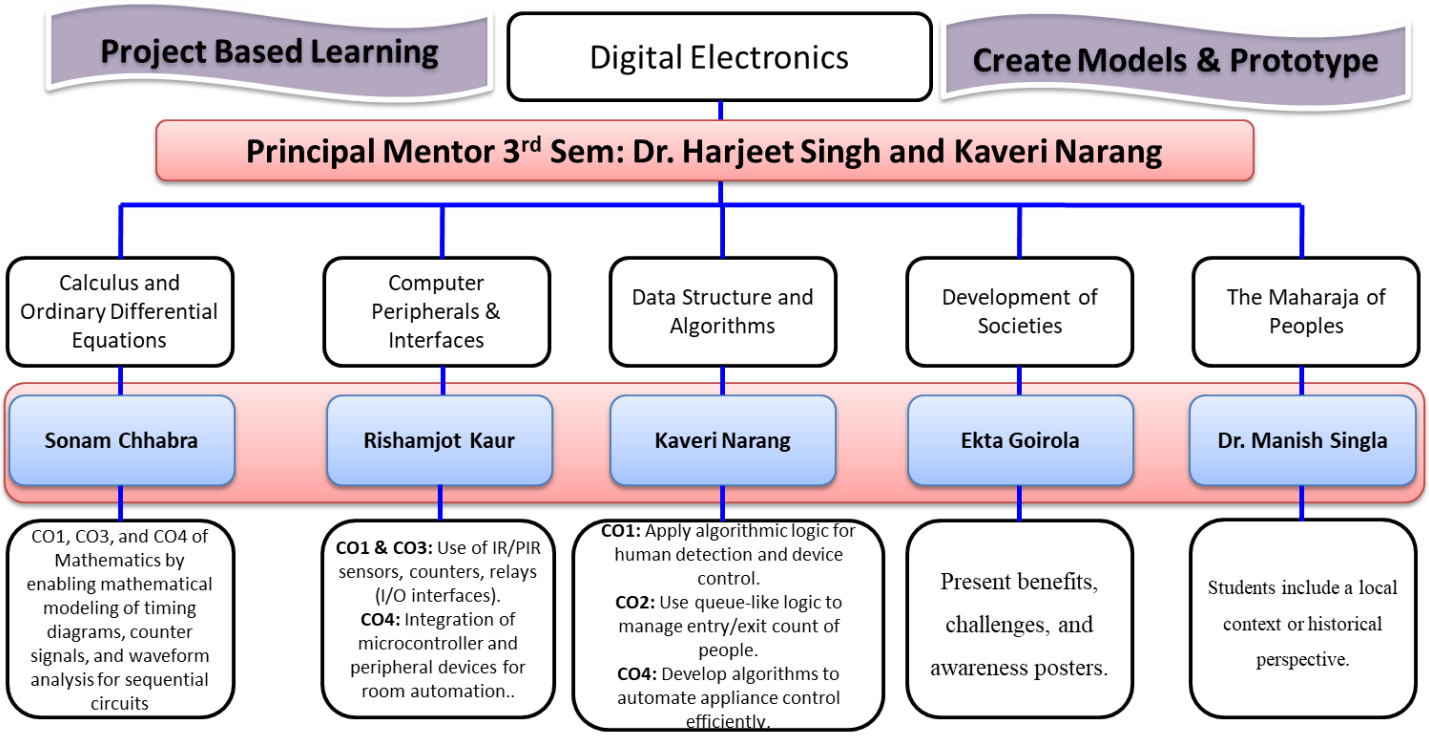


Department of Computer Science and Engineering

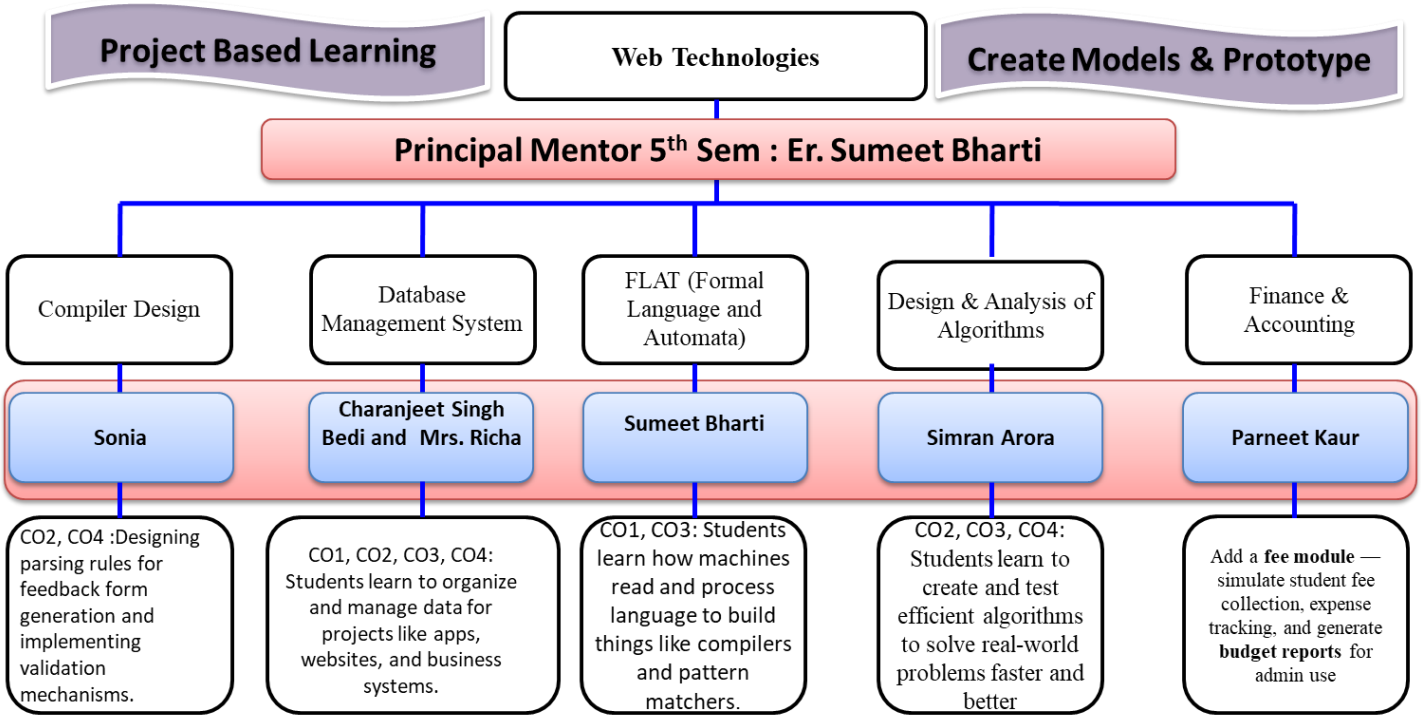
Department: Computer Science and Engineering - Semester: 1st



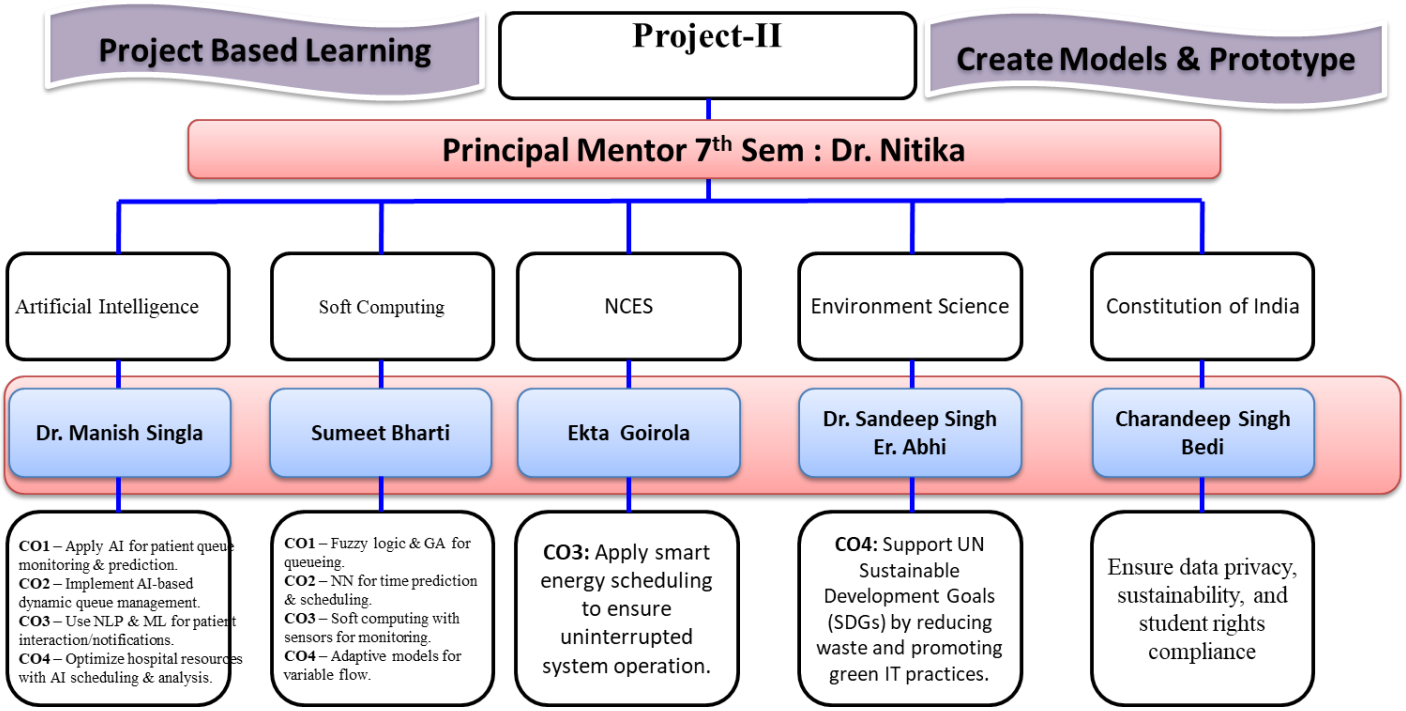
Department: Computer Science and Engineering Semester: 3rd



Department: Computer Science and Engineering Semester: 5th

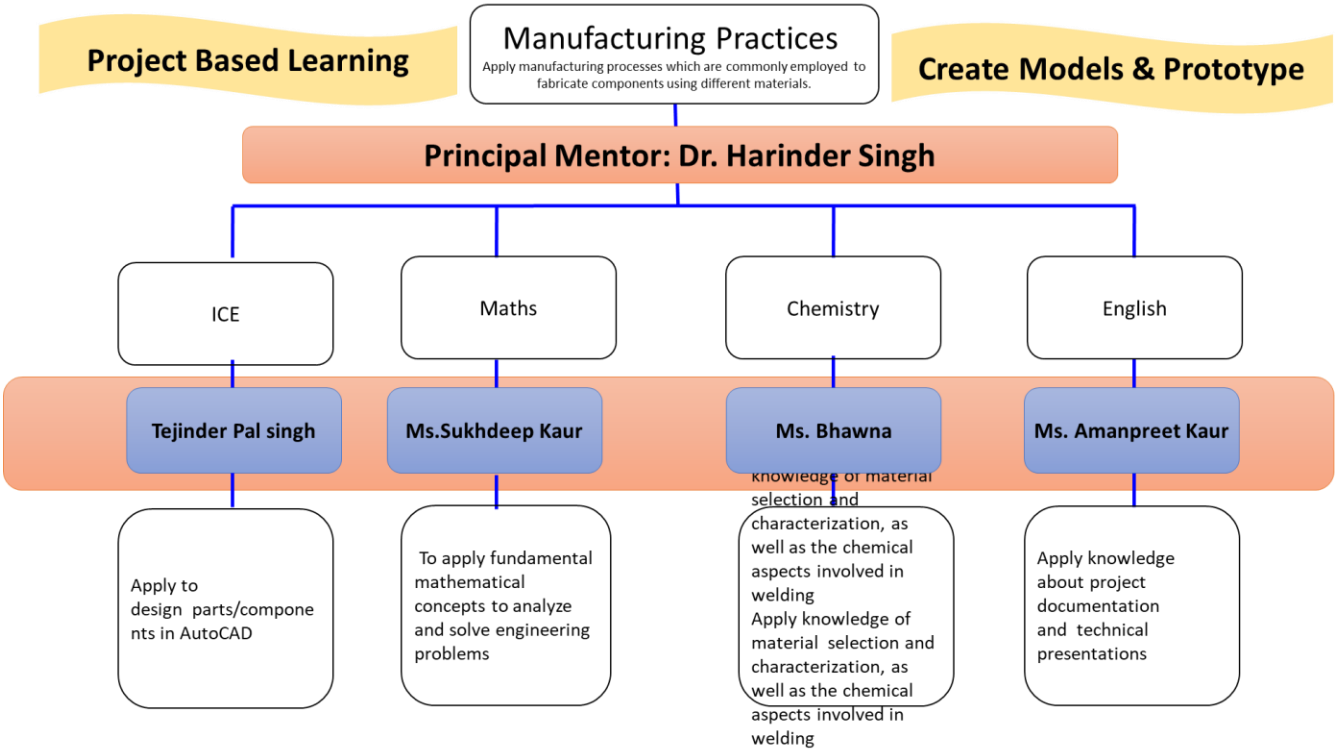


Department: Computer Science and Engineering Semester: 7th

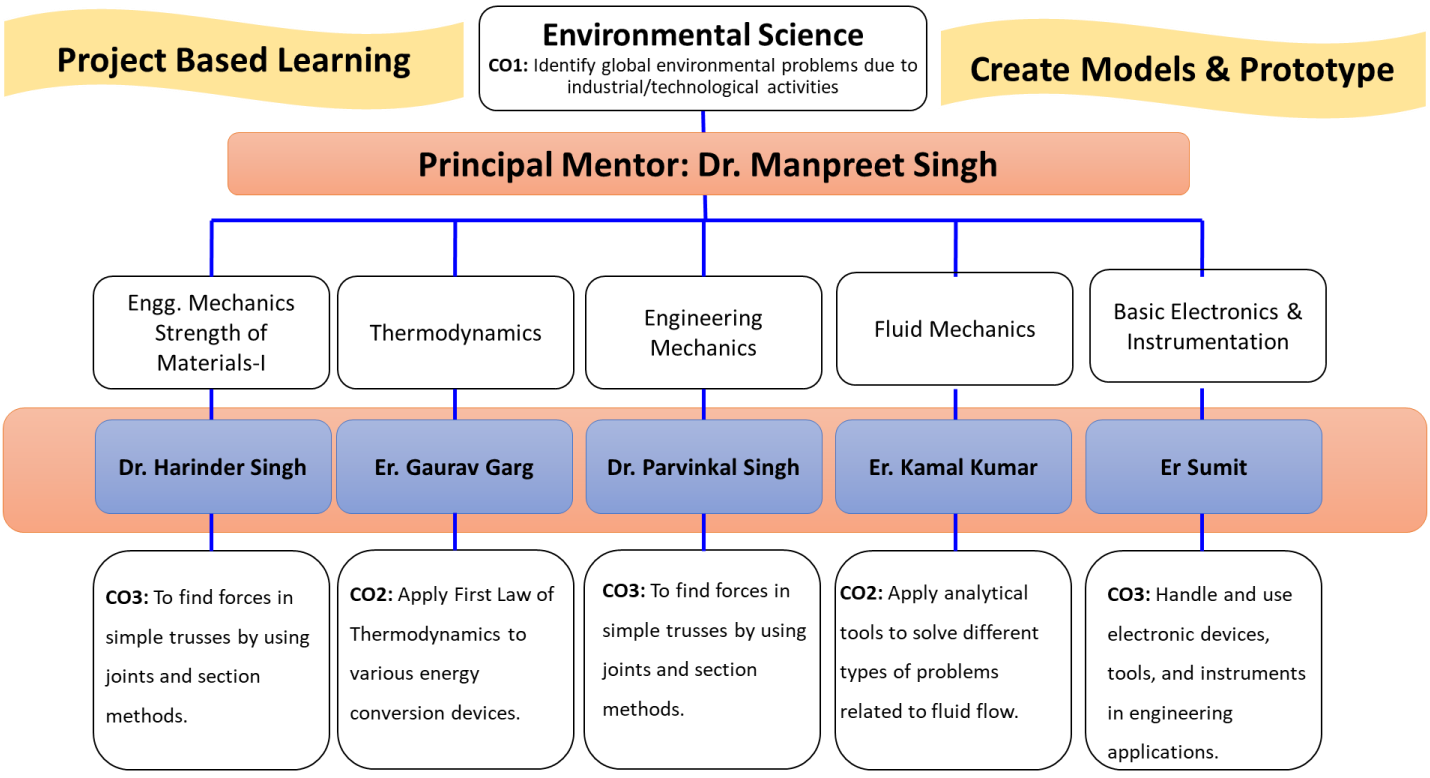


Department of Mechanical Engineering

Department: Mechanical Engineering Semester: 1st

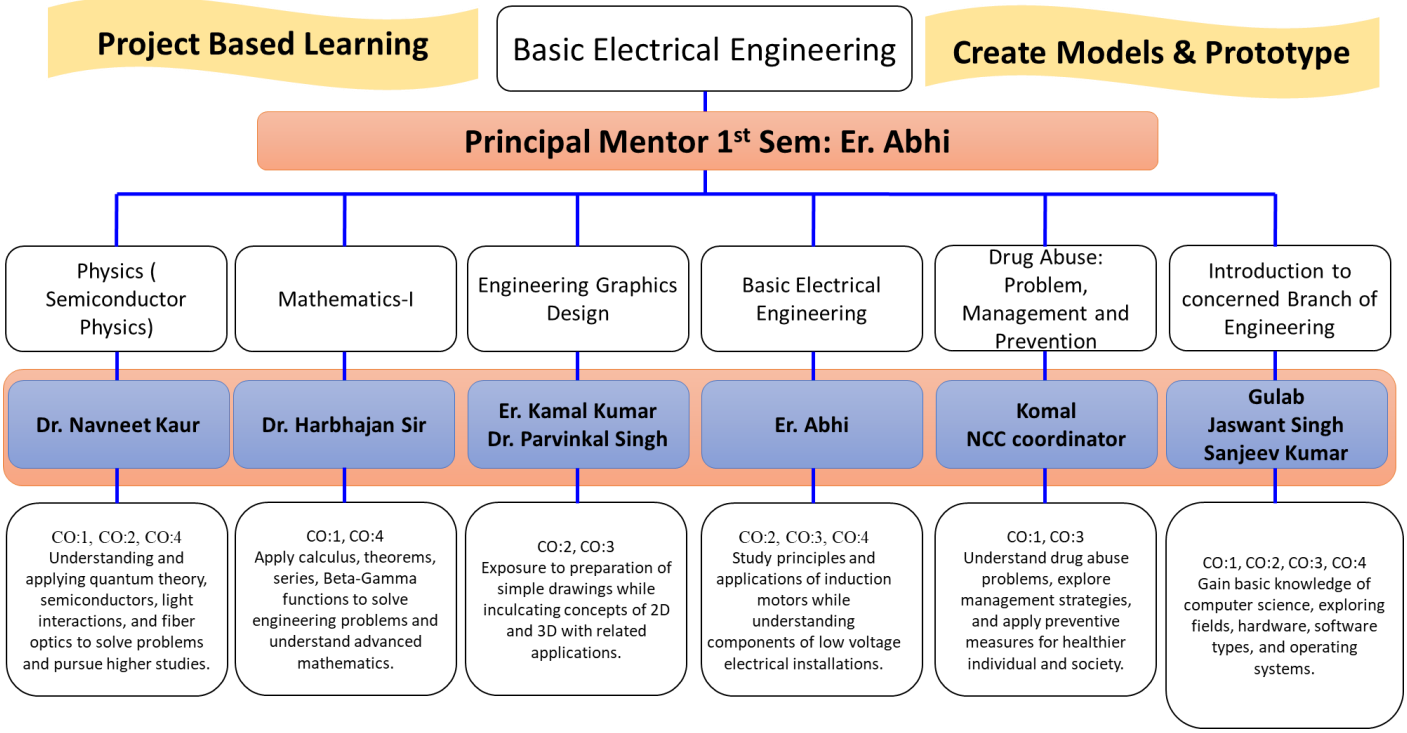


Department: Mechanical Engineering Semester: 3rd

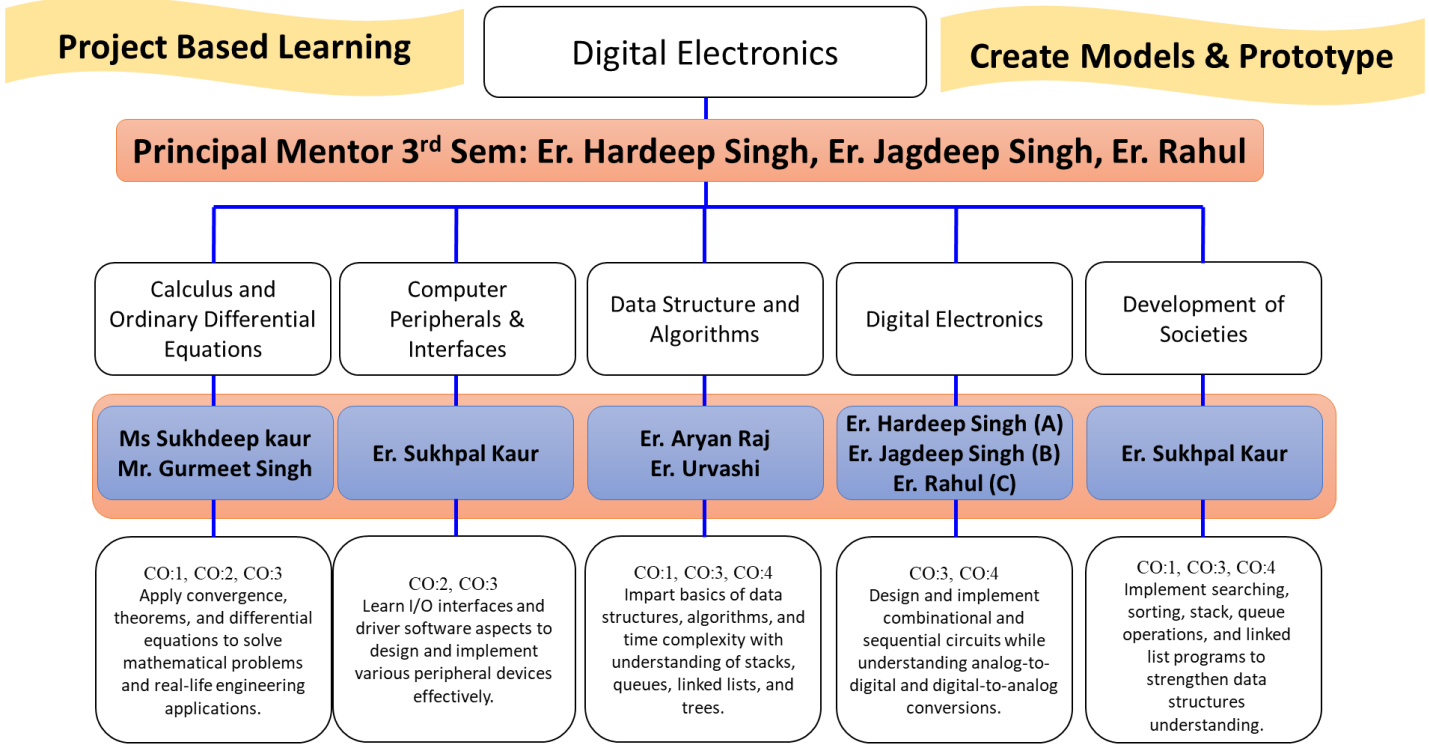


Department of CSE-AIML/IOT

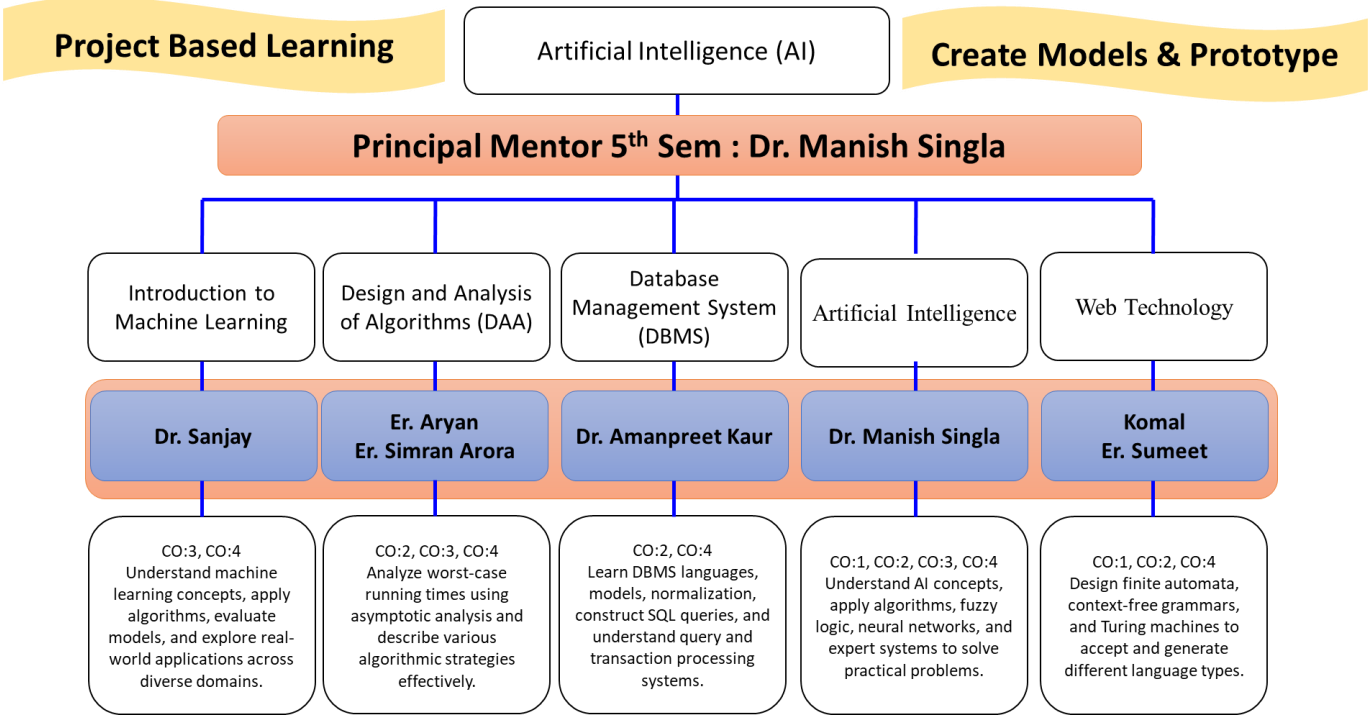
Department: AIML/IOT - Semester: 1st



Department: AIML/IOT Semester: 3rd

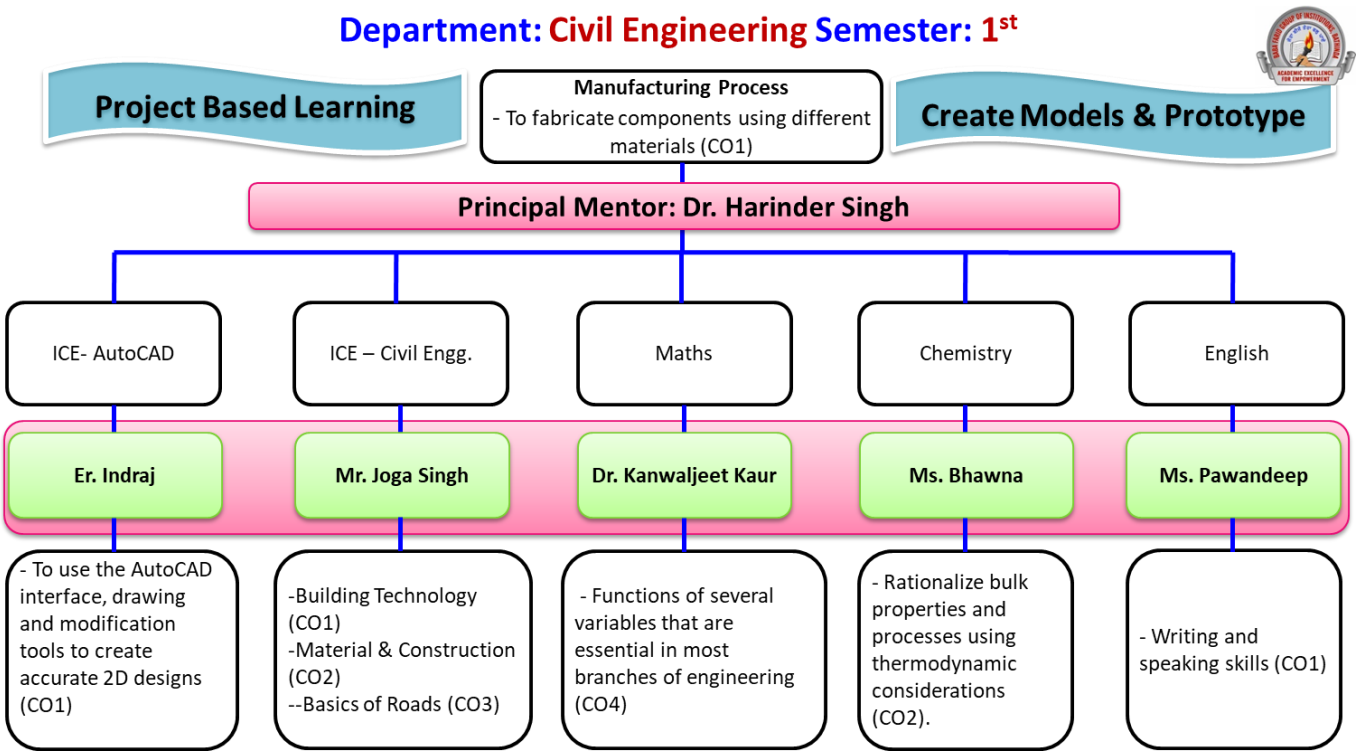


Department: AIML/IOT Semester: 5th

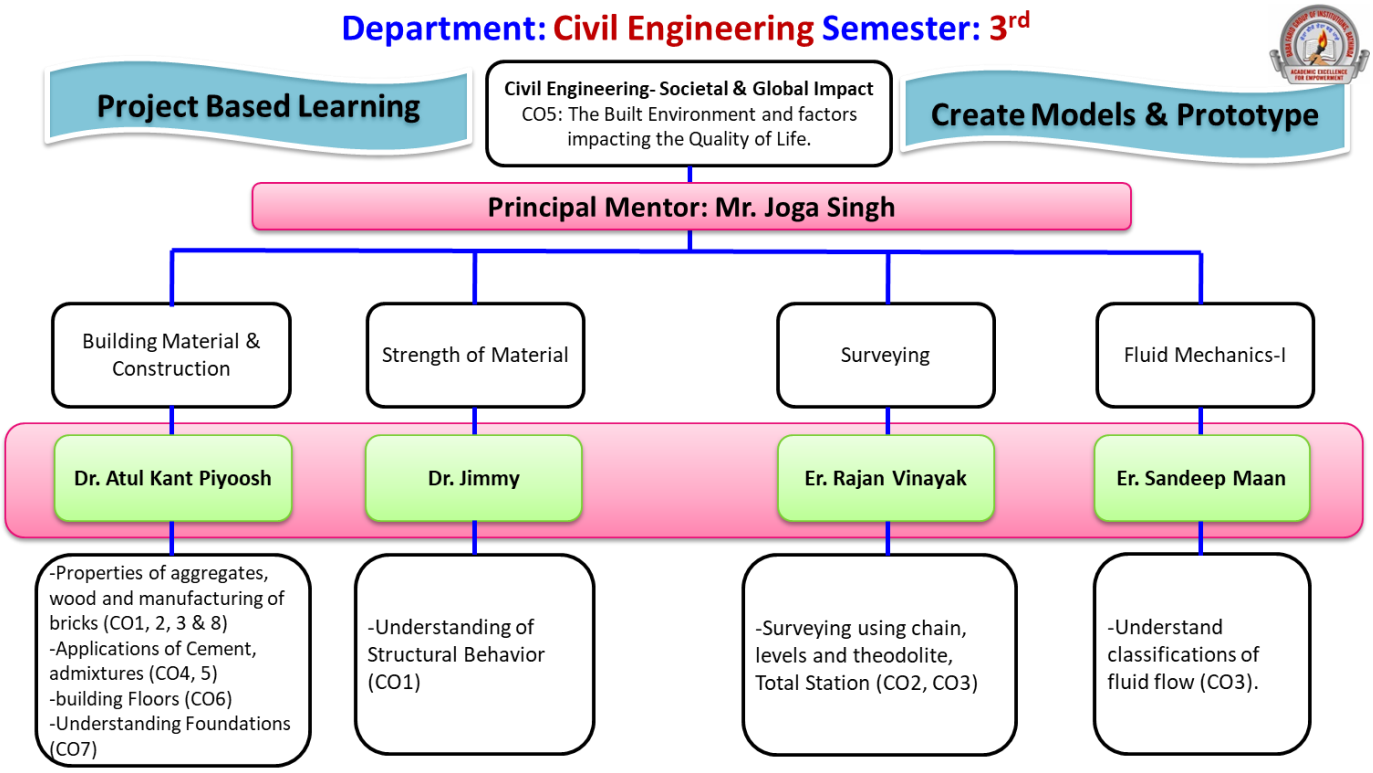


Department of Civil Engineering

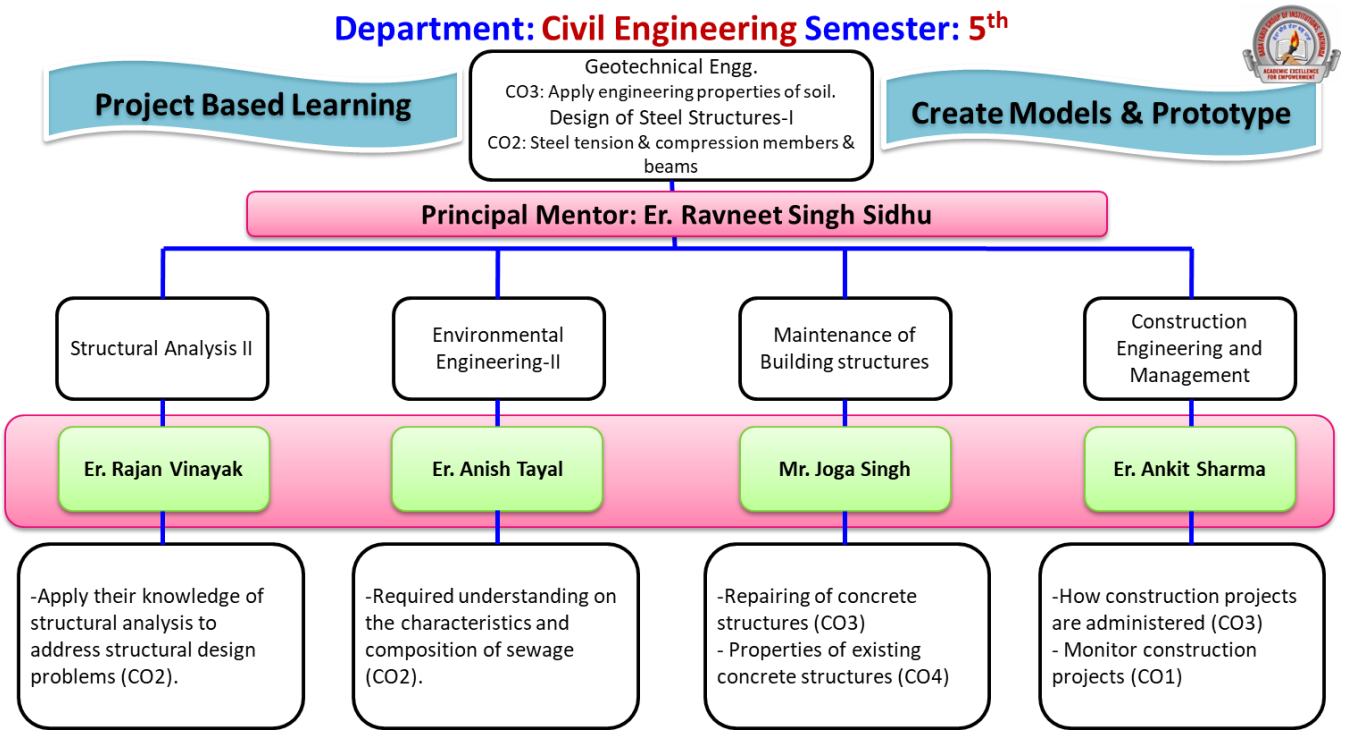
Department: Civil Engineering Semester: 1st

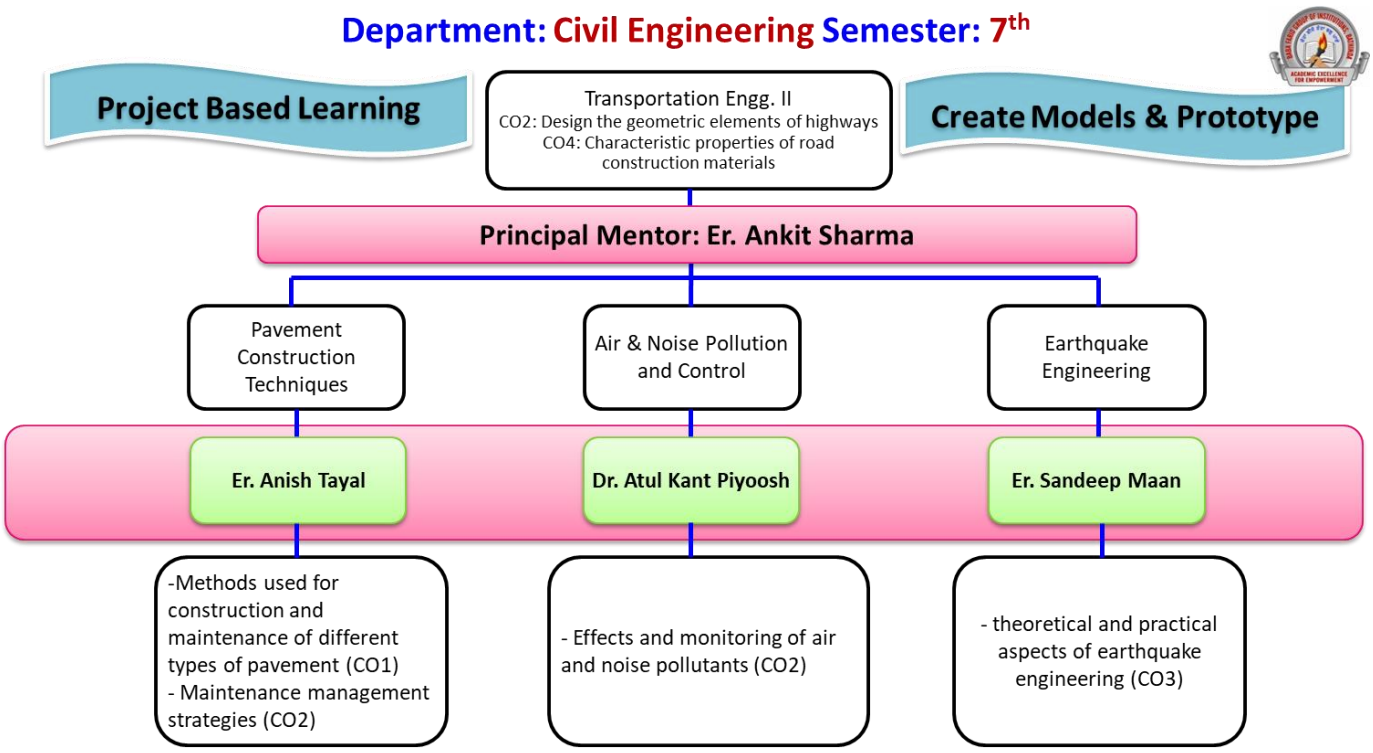


Department: Civil Engineering Semester: 3rd



Department: Civil Engineering Semester: 5th





Baba Farid College of Engineering & Technology, Bathinda

Academic Planner For Session 2025-26 (Odd Semester)

S. No	EVENTS	Month	1st Year	Intermediate classes	Category	Responsible Person	Overall follow up
1	**Faculty Orientation through FDP on "Transferming Engineering Education with Project Based Learning"**	**July**		30th July 2025-5th Aug 25	Academics	HoDs	Associate Dean Consultancy & FDP
2	**Workshop on Technology Transfer**	**August**		07th August 2025	Research	Coordinator R&D	Associate Dean R&D

3	**Workshop on Research Proposal and Paper Writing**			08th August 2025	Research	Coordinator R&D	Associate Dean R&D
4	**Commencement of Classes**		5th August 2025	18th August 2025	Academics	HoDs	Principal
5	**Offering of Certificate Courses**		N/A	18th August 2025	Academics	HoDs	Asscoiate Dean, SSD
6	**Finalization & Sharing of Time Table with Students**		08th August 2025	13th August 2025	Academics	Time-Table Coordinator	ERP Coordinator
7	**Preparation of Lesson plan and sharing with students**		19th August 2025	20th August 2025	Academics	HoDs	ERP Coordinator
8	**Brochures of Certificate Courses**		N/A	21-Aug-25	Academics	HoDs	Asscoiate Dean, SSD
9	**Assigning of Research Targets to faculty**			17-Aug-25	Research	Coordinator R&D	Associate Dean R&D
10	**Registration of students for Odd semester**		28th - 31st july 25	Till 18th Aug 25	Academics	HoDs	Associate Dean Student welfare
11	**Mentor-Mentee Allotment/ Nomination of TAs**		20th August 2025	21st August 2025	Academics	HoDs	Associate Dean Ranking and accreditation
12	**Awareness of students regarding PBL**		05th-08-2025	19-Aug-25	Academics	HoDs	Associate Dean Consultancy & FDP

13	**Registration for Certificate Courses**		N/A	21st August 2025	Academics	HoDs	Asscoiate Dean, SSD
14	**R&D Faculty Presentation by Dr. Nitin Kumar Saxena**		N/A	22-Aug-25	Research	Coordinator R&D	Associate Dean R&D
15	**Commencement of Certificate Courses**		N/A	22-Aug-25	Academics	HoDs	Asscoiate Dean, SSD
16	**Ist Meeting with TAs**		28th-Aug- 2025	10th Sep 25	Academics	ADSW	Principal
17	**Orientation + Problem Identification Camp**		18th-22nd August 2025		Academics	HoDs	Associate Dean CPDD
18	**Initiation of Internal Hackathon**		28-Aug-25		Academics	HoDs	Asscoiate Dean, SSD
19	**Sharing of list of Struck off students**		02-Sep-25		Academics	HoDs	Principal
20	**Faculty onboarding + LMS workshops**		29-Aug-25		Academics	HoDs	Associate Dean Digitilization
21	**Submission of Odd semester- Record+Attendance Registers+Mentoring File+Course file+CO-PO attainment+ Data updation on Edumarshal**		N/A	29-Aug-25	Academics	HoDs	Principal
22	**Vendor Finalization, Lab Setup, Faculty Orientation for Idea Lab**	**September**	1st september, 2025		Idea Lab	HoD ME	Associate Dean Idea Lab

23	**Preparation of Brochure Highlighting the achievemnts or outcomes which make them Uniques**		1st september, 2025		Academics	HoDs & Associate Deans	Principal
24	**GD & PI session for Batch-2022**		03-Sep-25		T&P	Placement Department	Associate Dean T&P
25	**Department Project Presentation for Internal Hackthon**		03-Sep-25		Academics	HoDs	Asscoiate Dean, SSD
26	**Selection of Placecom Team (Students from Batch 2022 & 2021)**		04-Sep-25		T&P	Placement Department	Associate Dean T&P
27	**Identification of skills required by past recruiters**		04-Sep-25		T&P	Placement Department	Associate Dean T&P
28	**Internal Hackathon**		2nd week of Sep 25		Academics	HoDs	Asscoiate Dean, SSD
29	**Bifurcation of pre final year students**		12th Sep, 2025		T&P	Placement Department	Associate Dean T&P
30	**Followup: Syllabus Coverage Report before MST I**		17th Sep, 2025		Academics	HoDs	Principal
31	**Ideation Workshop + Team Finalization**		22nd-26th September 2025		Academics	HoDs	Associate Dean CPDD
32	**1st Meeting of Mentor Mentee/ Maintaing Mentering Register**		10th -16th Sep, 2025		Academics	HoDs	Associate Dean Ranking and accreditation

33	**Workshop on Health Care & Medical. Tech (FDP under VAANI)**		10th & 11th Sept. 2025		Academics	HOD, CSE	Associate Dean Consultancy & FDP
34	**1st Live Project Evaluation/1st Progress Review of Project under PBL/Idea Lab Project Review-1**		15th Sept-19th Sept'2025		Research	Coordinator R&D	Associate Dean R&D
35	**Revision Classes/ TA's Presentation**		15th Sept-19th Sept'2025		Academics	HoDs	Associate Dean Exam
36	**Conduct of Class Test 1/Quiz 1/Assignment 1**		10th -16th Sep, 2025		Academics	HoDs	Associate Dean Exam
37	**R&D Faculty Presentation by Dr. Amandeep**		20th Sep-2025		Research	Coordinator R&D	Associate Dean R&D
38	**R&D Faculty Presentation by Dr. Manish Singla**		20th Sep-2025		Research	Coordinator R&D	Associate Dean R&D
39	**Sharing of list of Struck off students**		18th Sep, 2025		Academics	HoDs	Principal
40	**Progress evaluation of PATENTS/Research coordinators**		25th Sep, 2025		Research	Coordinator R&D	Associate Dean R&D
41	**Content digitalization kick-off (video + quizzes)**		26th Sep, 2025		Academics	HoDs	Associate Dean Digitilization
42	**MST-I/Certificate Courses evaluation & Report submission of Labs Theory Lecture delivered**		23rd Sept-29th Sept'2025		Academics	HoDs	Associate Dean Exam

43	**Teacher Feebback**	October	First week of October		Academics	HoDs	Asscoiate Dean, SSD
44	**Evaluation of MST I and uploading of marks on Edumarshal**		30th Sep- 06 Oct 2025		Academics	HoDs	ERP Coordinator
45	**Analysis of MST-1 Result**		08th Oct, 2025		Academics	Exam Coordinator	Associate Dean Exam
46	**Skilling workshop on industrial automation**		06th Oct-11th Oct 2025		Idea Lab	HoD ME	Associate Dean Idea Lab
47	**Execution of Field Visits/Industrial Visits**		06 Oct-10 Oct 2025		Academics	HoDs	Associate Dean T&P
48	**Sharing of list of Struck off students**		14th Oct, 2025		Academics	HoDs	Principal
49	**R&D Faculty Presentation by Dr. Gagandeep**		18th October 2025		Research	Coordinator R&D	Associate Dean R&D
50	**R&D Faculty Presentation by Dr. Nitika**		18th October 2025		Research	Coordinator R&D	Associate Dean R&D
51	**Design Thinking + Rapid Prototyping Start**		13th-17th October 2025		Academics	HoDs	Associate Dean CPDD
52	**Checking of Mentoring Register**		21st October -24th October 2025		Academics	Dr. Kanwaljit Kaur	Associate Dean Ranking and accreditation

53	**2nd Meeting with TAs**		10th October 2025		Academics	ADSW	Principal
54	**Expert talk/Workshop on Research Upliftment -1**		17th October 2025		Research	Coordinator R&D	Associate Dean R&D
55	**Progress evaluation of PATENTS/Research coordinators**		29th October 25		Research	Coordinator R&D	Associate Dean R&D
56	**Pilot courses launch + feedback loop**		30th October 25		Academics	HoDs	Associate Dean Digitilization
57	**Sharing of list of Struck off students**	**November**	13th November 2025		Academics	HoDs	Principal
58	**Followup: Syllabus Coverage Report before MST II**		6th November 2025		Academics	HoDs	Principal
59	**II Meeting of Mentor Mentee**		3rd November -6th November 2025		Academics	HoDs	Associate Dean Ranking and accreditation
60	**Revision Classes/ TA's Presentation**		3rd November - 7th November 2025		Academics	HoDs	Associate Dean Exam
61	**2nd Live Project Evaluation/2nd Progress Review of Project under PBL/Idea Lab Project Review-2**		3rd November - 07th November 2025		Research	Coordinator R&D	Associate Dean R&D
62	**Conduct of Class Test 2/Quiz 2/Assignment 2**		3rd November - 07th November 2025		Academics	HoDs	Associate Dean Exam

63	**ATAL FDP on Industry 4.0:Challenges & Opportunities in Industries and Academia**		17th November 2025 to 22th November 2025		Academics	HOD ME	Associate Dean Idea Lab
64	**MST-II/Certificate Course Evaluation**		10th November - 14th November 2025		Academics	HoDs	Associate Dean Exam
65	**Expert talk/Workshop on Research Upliftment -2**			14th November 2025	Research	Coordinator R&D	Associate Dean R&D
66	**Evaluation of MST II and uploading of marks on edumarshal**		17h November - 20th November 2025		Academics	HoDs	Associate Dean Exam
67	**Analysis of MST-II Result**		21st November - 24th November 2025		Academics	Exam Coordinator	Associate Dean Exam
68	**R&D Faculty Presentation by Dr. Nisha**			22nd November 2025	Research	Coordinator R&D	Associate Dean R&D
69	**R&D Faculty Presentation by Dr. Navneet Kaur**			22nd November 2025	Research	Coordinator R&D	Associate Dean R&D
70	**Teacher Feedback**		Last week of November		Academics	HoDs	Asscoiate Dean, SSD
71	**Mid-Review + Faculty Feedback Rounds**		19th-21st November 2025		Academics	HoDs	Associate Dean CPDD
72	**Progress evaluation of PATENTS/Research coordinators**		26th November 25		Research	Coordinator R&D	Associate Dean R&D

73	**Feedback letter to HoD/ Faculty**		27th November 2025		Academics	HoDs	Principal
74	**Sharing of list of Struck off students**		28th November 2025		Academics	HoDs	Principal
75	**Refinement + Full content creation**		28th November 2025		Academics	HoDs	Associate Dean Digitilization
76	**Conduct of Class Test 3/Quiz 3/Assignment-3**		17th November - 18th November 2025		Academics	HoDs	Associate Dean Exam
77	**Remedial Classes/ TA's Presentation**		17th November - 18th November 2025		Academics	HoDs	Associate Dean Exam
78	**Final Evaluation of Live Project/ Final Progress of Project under PBL**		19th November - 21st November 2025		Academics	Dean, SSD	Asscoiate Dean, SSD
79	**MST-III (if required for improvement)**		19th November - 21st November 2025		Academics	HoDs	Associate Dean Exam
80	**Certificate Course Final Evaluation**		19th November - 21st November 2025		Academics	HoDs	Asscoiate Dean, SSD
81	**Review of Research Targets to faculty**			27th November 2025	Research	Coordinator R&D	Associate Dean R&D
82	**Score Card Submission**	**December**	15th Decemebr 2025	15th Decemebr 2025	Academics	HoDs	Principal

83	**Final submission Mentoring Register**		4th December -5th December 2025	4th December -5th December 2025	Academics	HoDs	Associate Dean Ranking and accreditation
84	**Last Instructional day**		21st November 2025	21st November 2025	Academics	HoDs	Principal
85	**Uploading of Internal marks and attainment calculation**		10th December - 15th December 2025	10th December -15th December 2025	Academics	HoDs	Associate Dean Exam
86	**End Semester Examination**		1st December - 31st December 2025	1st December - 31st December 2025	Academics	Exam Coordinator	Associate Dean Exam
87	**Report of Certificate Courses**		N/A	05-Dec-25	Academics	HoDs	Asscoiate Dean, SSD
88	**Industry Academia Meet, Finalization of Projects**		19th December 2025		Idea Lab	HODs	Associate Dean Idea Lab
89	**Submission of Course Files**		23rd December 2025		Academics	HoDs	Principal
90	**Prototype Showcase + Testing**		19th-22nd Jan 2026		Academics	HoDs	Associate Dean CPDD
91	**Review workshops + scaling planning**		29th December 2025		Academics	HoDs	Associate Dean Digitilization
92	**Practical Examinations**		Immediately after end of regular Theory examinations		Academics	HoDs	Associate Dean Exam

93	**Interational Conference**		17th-20th February 26		Academics	Coordinator R&D	Associate Dean R&D
94	**Global Hackathon**		16th March 26		Idea Lab	HODs	Associate Dean Idea Lab

Progress Report Outcome Table (To be filled After Each Semester)

Parameter	SSD	CSE	ME	CE	EE	Total	Remarks
Total No. of Students							
Total number of students who cleared all subjects in the last two semesters of the university examination.							
Percentage of Pass students							
Total number of students who reappeared in the last two semesters of the university examination.							
Percentage of Re-appaired students							
Target for Next Sem							
Percentage of Target anticipated							

Effective Implementation of Practical Labs in BFCET (Aligned with NEP 2020 & PBL)

Objective

To transform practical labs into skill development hubs that foster innovation, problem-solving, and applied learning. The policy ensures structured, engaging, and industry-oriented lab practices in alignment with NEP 2020 principles and Project-Based Learning (PBL) methodology.

1. Experiential and Hands-on Learning

- Internal Viva for Each Practical
    - Every practical includes at least one viva voce to assess conceptual clarity and practical understanding.
    - Viva designed as scenario-based problem-solving tasks to test application skills.
- Cross-Faculty Viva Evaluation

- Viva conducted by faculty other than the subject teacher to ensure fairness.
- Scores recorded in Continuous Evaluation Performa (CEP).

2. Project-Based Learning (PBL) Integration

- Mini Projects in Every Lab Course
  - Each lab embeds a PBL cycle: *Define → Design → Develop → Demonstrate*.
  - Students develop at least one live project per lab aligned with course outcomes.
- Industry & Live Projects
  - Projects connected with industry tie-ups (Metro Tyres, Bajaj Automobiles, Avon Steels, etc.).
  - Outcomes showcased in Hackathons, Project Pulse 3.0, AICTE-IDEA Lab.
- Challenging Achievers and Performers
  - High achievers assigned advanced projects or peer mentoring roles.
  - Encourages peer learning and leadership.

3. Continuous and Comprehensive Evaluation

- Continuous Evaluation Performa (CEP)
  - Tracks attendance, viva results, project milestones, and innovation quotient.
  - Data-driven insights help identify Achievers, Performers, Strivers, Learners.
- Regular Lab Observations
  - HoDs/Academic Cell conduct periodic observations.
  - Feedback collected via Google Forms; corrective actions applied immediately.
- Alternative Assessment Tools
  - Problem-solving assignments, critical-thinking quizzes, project reports, and learning diaries documenting:
    1. What was learned
    2. Challenges faced
    3. How solutions were developed

4. Flexibility and Inclusivity

- Attendance Requirement
  - Minimum 75% lab attendance mandatory.
  - Students below threshold offered bridge labs or project substitution as per NEP's flexible approach.
- Student Support
  - Faculty to provide resources, mentoring, and counseling to academically weaker students.
  - Peer-learning groups formed by pairing Achievers with Strivers/Learners.

5. Innovation, Multidisciplinarity & Skill Development

- Integration with Applied Learning Policy
  - Labs linked with interdisciplinary projects across departments (e.g., IoT + Mechanical prototyping).
  - Encouragement for entrepreneurial outcomes via Campus Product Development Division (CPDD).
- Documentation & Record Keeping
  - All lab activities, evaluations, and project outcomes digitally archived.
  - Database contributes to student portfolios and employability records.

6. Reflection and Continuous Improvement

- Feedback Mechanism
    - Regular feedback from students, faculty, and industry mentors.
    - Improvement cycles built into each semester's planning.
- NEP 2020 Reflection
    - Shifts labs from rote experiments → real-world problem-solving.
    - Promotes multidisciplinary projects, critical thinking, and lifelong learning skills.

Campus Product Development Division (CPDD)

Vision

To establish BFCET as a hub of excellence in industry-aligned education, research, and innovation by fostering a culture of creativity, skill development, and entrepreneurship, thereby preparing students to become globally competent professionals and innovators.

Objectives

- Create world-class infrastructure for training, research, and innovation.
- Upgrade technical skills of faculty through industry-specific trainings on latest technologies.
- Provide students with certifications in emerging technologies to enhance employability and align with industry demands.
- Guide students to apply their skills and knowledge through live and problem-based projects.
- Facilitate ample opportunities for industrial internships and experiential learning.
- Promote knowledge exchange programs for collaborative learning and innovation.
- Strengthen industrial-institutional interactions for mutual growth and technology transfer.
- Maximize students' potential and self-confidence through structured personality development programs.

Execution Plan

- Problem scouting through *Orientation + Ideation Camps*.
- Prototype development cycles using state-of-the-art labs (Electronics, Robotics, Civil, Mechanical).
- TRL-based evaluation of projects (Idea → Prototype → Testing → Scaling).
- Patent filing and IP transfer support via IPR Cell.
- Student startup incubation supported by BFCET's School of Entrepreneurship.
- Annual *Product Expo + Investor Meet* to showcase innovations.

Execution Plan

Day/Month	Activities
Phase 1	
1 – 20 Sep, 2025	Orientation
22 – 26 Sep 2025	Problem Identification Camp + Team Finalization
13 – 17 Oct 2025	Design Thinking + Rapid Prototyping Start
19 – 21 Nov 2025	Mid – Review + Faculty Feedback Rounds
Phase 2	
19 – 22 Jan 2026	Prototype Showcase + Testing
16 – 18 Feb 2026	Business Model Camp + Pitch Training
10 – 13 March 2026	Final Review + TRL Reporting
27 – 30 Apr 2026	Investor Meet + Product Expo

Expected Targets (2025–26)

1. Ideas converted into prototypes-5
2. Patent filings-5+
3. TRL 5+ validated products-3
4. Student startups launched-1
5. Faculty-industry collaborative PoCs-2

PROGRESS FOLLOW UP

1.CPDD FOLLOW UP

Number of Ideas converted into prototypes	
Patent filings	
TRL 5+ validated products	
Number of Student startups launched	
Faculty-industry collaborative PoCs	

2. Fostering Tech-Enabled Students Across Disciplines

Parameter	**Sub Parameter**	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**	**Remarks**
Total No. of Students								
Number of Students Benefitted								
Percentage of Students benefitted								
Target for Next Sem								
Percentage of Target anticipated								

School of Skill Development

Vision

School of Skill Development, where education meets innovation and hands-on experience. At our core, we are dedicated to equipping students with the practical skills and knowledge they need to thrive in their chosen careers. Our Certificate courses are designed to blend theoretical learning with real-world application, ensuring that our graduates are not just ready for the job market, but are poised to transform it.

Objectives

- To Create world class infrastructure for training, research and innovation.
- Upgrading of technical skills of the faculties on latest technologies by providing industry specific trainings.
- To Provide certification in latest technologies to the students, which help the students for shaping their career according to job market and industry need.
- To Guide the students to apply their skill/Knowledge through live projects.
- To provide ample opportunities for industrial internships.
- To endorse knowledge exchange programs.
- To facilitates industrial-institutional interactions.
- Maximizing student's potentialities and boosting self-confidence through personality development programs

Execution Plan

S.No	Description	Deadline
	Phase 1	
1	Finalization of Certificate courses to be offered	18th August 202
2	Brochures of certificate course	21st August 2025
3	Registration of Certificate Course	21st August 2025
4	Commencement of Certificate Course	22nd August 2025
5	Initiation of	28th August 2025
6	Department level Project Presentation	3rd September 2025
7	Internal Hackthon	2nd week of September 2025
	Phase 2	
8	Teacher Feedback	1st week of October
9	Second Internal evaluation of Certificate Course	10th -14th November 2025
10	Certificate Course Final Evaluation	19th – 21st November 2025
11	Final Evaluation of live projects under PBL	19th – 21st November 2025
12	Teacher Feedback	Last week of October
13	Report of Certificate Course	5th December 2025

Expected Outcome (2025–26)

1.Number of students who will be trained through various CoE-500
2.Set up of New CoE for Robotics
3. Set up of New Advance Communication Lab
4. Revenue generation through CoE-12 Lac (Tentative)

PROGRESS FOLLOW UP

1. Fostering Innovation

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of students actively participating in innovation related projects							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							
Number of innovation-driven projects in various departments							
Industry Collaborations for Innovation							

2. Skill-Based Courses and Certification Programs

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Skill Based/Certficate Programs Offered							
Number of Students Benefitted.							
Percentage of students benefitted							
Target for Next Sem							
CC Registration							
Actual Percentage of Student Benefitted							

3. Live / Major Projects and Hands-On Learning

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							
List of live projects provided to students across various disciplines							
Number of industry partners collaborating on live projects							

4. BFGI Centers of Excellence in Industry

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							
How many CoEs are currently functional in your college							

Research & Innovation Roadmap – BFCET (B.Tech Programs)

Vision

To build a strong research-driven culture in B.Tech. programs at BFCET by encouraging innovation, inquiry, and collaboration among students and faculty, with a focus on high-quality publications, patents, and technology development.

Objectives

1. Promote research-oriented mindset among BFCET students and faculty.
2. Support research paper writing, publications, patents, and advanced studies.
3. Organize workshops, seminars, and hackathons to strengthen research and innovation skills.
4. Track and guide research progress through structured mentoring, reviews, and departmental monitoring.

Activity Plan:

- Workshop on Patent Filing, and research grants writing
- Workshop on Research Paper Writing & Publication
- Hackathons / Innovation Challenges to generate real-time project ideas.
- Regular Progress Reviews with faculty mentors.
- Faculty Counselling & Guidance for Ph.D. / Project Grants

R & D Execution Planner (for Odd Semester)

S. No	EVENTS	DATE	RESPONSIBLE	FOLLOW UP
Phase 1				
1	Assignment of duties for R&D	15.07.2025	Coordinator R&D	Associate Dean R&D
2	Workshop on Technology Transfer	07.08.2025	Coordinator R&D	Associate Dean R&D
3	Workshop on Research Proposal and Paper Writing	08.08.2025	Coordinator R&D	Associate Dean R&D
4	Assigning of Research Targets to faculty	17.08.2025	Coordinator R&D	Associate Dean R&D
5	R&D Faculty Presentation by Dr. Nitin Kumar Saxena	22.08.2025	Coordinator R&D	Associate Dean R&D
6	1st Live Project Evaluation	16.09.2025	HoDs	Associate Dean R&D
7	R&D Faculty Presentation by Dr. Amandeep	20.09.2025	Coordinator R&D	Associate Dean R&D

8	R&D Faculty Presentation by Dr. Manish Singla	20.09.2025	Coordinator R&D	Associate Dean R&D
9	Progress evaluation of PBL	25.09.2025	HoDs	Associate Dean R&D
10	Progress evaluation of PATENT	25.09.2025	HoDs	Associate Dean R&D
11	Progress evaluation of Research coordinators	25.09.2025	HoDs	Associate Dean R&D
Phase 2				
12	R&D Faculty Presentation by Dr. Gagandeep	18.10.2025	Coordinator R&D	Associate Dean R&D
13	R&D Faculty Presentation by Dr. Nitika	18.10.2025	Coordinator R&D	Associate Dean R&D
14	Expert talk/Workshop on Research Upliftment -I	17.10.2025	Coordinator R&D	Associate Dean R&D
15	Progress evaluation of PBL	29.10.2025	HoDs	Associate Dean R&D
16	Progress evaluation of PATENT	29.10.2025	HoDs	Associate Dean R&D
17	Progress evaluation of Research coordinators	29.10.2025	HoDs	Associate Dean R&D
18	2nd Evaluation of Projects	03.11.2025	HoDs	Associate Dean R&D
19	Expert talk/Workshop on Research Upliftment -II	14.11.2025	Coordinator R&D	Associate Dean R&D
20	Progress evaluation of PBL	26.11.2025	HoDs	Associate Dean R&D
21	Progress evaluation of PATENT	26.11.2025	HoDs	Associate Dean R&D
22	Progress evaluation of Research coordinators	26.11.2025	HoDs	Associate Dean R&D
23	R&D Faculty Presentation by Dr. Nisha	22.11.2025	Coordinator R&D	Associate Dean R&D
24	R&D Faculty Presentation by Dr. Navneet Kaur	22.11.2025	Coordinator R&D	Associate Dean R&D
25	Discussion and evaluation on Research Targets to faculty	27.11.2025	Coordinator R&D	Associate Dean R&D

Expected Outcomes (till June 2025)

- Total Target: 18 Publications (all B.Tech Depts.)
- Target from PBL (Patent/Publication/Utility)-60
- Target from previous Patents (Till date)-50

PROGRESS FOLLOW UP

1. IPR Enhancement Plan

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Number of Patents Filed							
Published							
Granted							
Technology Transfer							
Converted into Startups							
Number of Students Involved							
Number of Faculty Involved							
Target for Next Semester							

2. Promoting Research Excellence

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Total Number of Faculty							
Number of Faculty Published Papers							
Number of Students Published Papers							
Number of Research Publications							
Research Grants Secured							
Research Projects in Progress							
Percentage of Faculty Involved							
Percentage of Students Involved							
Target for Next Semester for Faculty							
Target for Next Semester for Students							

BFCET Training & Placement – Detailed Execution Plan (B.Tech)

Vision:

To empower students with the necessary skills, knowledge, and confidence to excel in a dynamic professional environment. The Training & Placement Department aims to bridge the gap between academia and industry by fostering strong partnerships, promoting innovation, and creating ample opportunities for career advancement. Our vision is to nurture industry-ready graduates who contribute meaningfully to society and global enterprises.

Objective

- Foster corporate relations
- Facilitate employability to students
- To evaluate industry readiness of students

Planned Activities / Strategy

S. No	EVENTS	(Stage-I- by MST 1)	(Stage-II by MST II)
1	Bifurcation of students based on their future planning	Batch 2022	Batch 2023
2	Categorization of Students through GD/PI	Batch 2022	Batch 2023
3	Identification of skills required by industries visiting for campus placements in previous years -B.Tech -Company Skill set required.xlsx	Already shared with all concerned	
4	Selection of Placecom Team	(Students from Batch 2022 & 2023)	
5	Bifurcation of students based on their future planning (Batch 2023)	15th Sep 2025	
6	Progression Analysis (For previous Batch)	Batch 2021	Will start for Batch 2022
7	Pre-Placement Sessions for Placement oriented students	As applicable	As applicable
8	Alumni interactions working in industry/Government sector	At least 2	At least 2
9	Joining Status, Collection of offer letters, Photographs, BFCET Placement Report and Brochure	As and when applicable (After each opportunity)	
10	MOUs with Industries/organizations	2 MoU	3 Mous
11	To tie up new industries, Industry Meet		10 New companies

Expected Outcomes (till June 2025)

1.100% students placed or engaged (Private, Govt., Self-employed, Higher studies)

2. At least 10 strong industry tie-ups

3. 100% internship participation for eligible students
4. Increased alumni-driven placement support
5. Enhanced student participation in pre-placement activities

Execution Plan

S. No.	Activity	Deadline
1	Evaluation of aptitude classes	8th Oct – 16th Nov 2025
2	Progression analysis for previous batch	Before 10th Oct 2025
3	Regular placement drives & follow-up	Oct – Nov 2025
4	Maintain placement records (eligibility, attendance, shortlisting, offers)	On each drive day
5	Collection of offer letters, photographs, placement report updates	After each opportunity
6	Alumni interactions for motivation	Twice during Oct–Nov
7	Group discussions & soft skill enhancement	Weekly
8	Industrial / Field Visits	8th Oct – 16th Nov 2025
9	Checking of training & activity proofs	21st – 25th Nov 2025

PROGRESS FOLLOW UP

1. School of Competitive Studies

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Enrolled							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							

2. Empowering Future Leaders: Placement Success

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	BCA	Total
Total Number of Final Year Students								

Interested for Placement								
Number of Students Placed Till December 2024								
Number of Companies Visited for Placements								
Target Achieved Percentage								
Target for Next Sem								
Percentage of Target anticipated								

3. Skill-Based Certifications: Preparing Students for Emerging Career Paths

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							

4. Career Guidance

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							

BFCET – Entrepreneurship & Innovation (Tech-Connect) Program (B.Tech Students)

Vision

To foster an entrepreneurial mindset among students by promoting innovation, creativity, and real-world business exposure, enabling them to become job creators instead of job seekers.

Objectives

- To promote entrepreneurial thinking among students and build an innovation-driven, self-employment-oriented mindset.
- To expose students to real-world entrepreneurial challenges through activities, workshops, and interactions with successful entrepreneurs.
- To provide hands-on experience in solving practical problems through creative, business-oriented approaches.
- To build confidence and leadership through group tasks, contests, and project presentations.

Activities

- **Orientation Session** – Introduction to entrepreneurship concepts and program overview.
- **Student Group Segregation** – Teams based on interests like Tech, Agri, Finance, Social Innovation.
- **Guest Lectures / Expert Talks** – Sessions by successful entrepreneurs, startup founders, and alumni.
- **Ideation Workshop** – Brainstorming startup ideas and problem-solving.
- **Business Model Canvas Training** – Hands-on workshop on structuring and pitching business plans.
- **Mini Projects / Case Studies** – Solving real-world problems through entrepreneurial approaches.
- **Startup Visit / Virtual Tour** – Exposure to startup work culture and incubation facilities.
- **Evaluation & Feedback** – Periodic review of progress and mentoring inputs.
- **Recognition & Certificate Distribution** – Acknowledgement of active participants.

Activity Plan Table (B.Tech – BFCET)

S. No.	Activity	Objective	Time Frame	Expected Outcome	Remarks
Phase 1					
1	Orientation Workshop	Introduce students to entrepreneurship fundamentals	1st Week	Awareness of entrepreneurial mindset	With Entrepreneurship Dept.
2	Group Segregation	Form interest-based teams (Tech, Agri, Finance, Social Innovation)	Week 1	Focused entrepreneurial efforts	Based on student interests
3	Guest Talk / Alumni Interaction	Inspiration from real entrepreneurs	Week 2	Motivation & idea sharing	Invite startup founders, BFCET alumni
4	Ideation Workshop	Generate innovative startup ideas	Week 3	Creative & critical thinking	Faculty facilitated
5	Business Model Canvas Training	Teach tools to structure business ideas	Week 4	Well-prepared startup pitches	External trainers invited

Phase 2					
6	Mini Projects / Case Studies	Apply entrepreneurial thinking to real problems	Ongoing (Monthly)	Hands-on problem-solving	Department-level facilitation
7	Participation in Competitions	Encourage students to showcase innovation	Semester-wise	Competitive spirit & recognition	Target: Agri-Innovation, Project Pulse
8	Startup Visits / Virtual Tours	Exposure to entrepreneurial culture	Semester-wise	Real-world understanding	Optional, subject to industry tie-ups
9	Evaluation & Feedback	Monitor student progress & mentor guidance	Bi-monthly	Continuous improvement	ATPO + Faculty + Startup mentors
10	Recognition & Certificate Distribution	Appreciate active participants	End of Semester	Motivation & retention	Institute-level ceremony

Expected Outcomes (till June 2025)

- Identify 25–30 B.Tech students with entrepreneurial potential and willingness.
- Initiate at least one student startup program from BFCET (School of Entrepreneurship) in the current academic year.

PROGRESS FOLLOW UP

1. Empowering Innovation and Entrepreneurship

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							

BFCET – Innovative Student Engagement & Teaching Assistant (TA) System (B.Tech)

1. Student–TA Ratio

- Ideal ratio: 1 TA : 6 students
- For sections with >60 students, ratio may extend to **1:8**
  Ensures personalized mentoring & close academic monitoring.

2. TA Selection Criteria

- Academic Excellence **(**GPA threshold)
- Strong Communication Skills
- Leadership Qualities (initiative, responsibility)
- Interpersonal Skills (approachable, empathetic)
- Faculty Recommendation

3. TA Structure & Governance

- Tagging in EduMarshal – All groups linked digitally for transparency.
- Head TA per Section – Oversees TAs & coordinates activities.
- TA Change Policy – Non-performing TAs can be replaced after HOD + Head TA review.
- Primary Point of Contact – Students first approach their TA → then Faculty/Mentor.

4. Roles & Responsibilities of TAs

1. Facilitate classroom activities & discussions.
2. Provide mentorship (study techniques, exam prep, time management).
3. Help in presentation & communication skill-building**.**
4. Offer academic support beyond class hours (review sessions, practice problems).
5. Promote personalized learning (identify weak students & provide tailored support).
6. Give feedback on assignments, presentations, and performance.
7. Support faculty with administrative tasks (grading, organizing materials).

5. Student Academic Committee (SAC)

- Formed at department level, consisting of all Head TAs.
- SAC will plan:
  - Certificate Programs
  - Project Work
  - Industrial Visits
  - Innovation Challenges
- Reports directly to the HOD**.**

6. Recognition & Motivation

- Best TA of the Month – nominated by Head TAs & HOD.
- Best TA Badges & Certificates – awarded for excellence & motivation.

7. Student Clubs (B.Tech – BFCET)

Detail of Clubs along with Coordinators

	Name of clubs	Coordinator
1	Cultural Club	Er Rishamjot Kaur
2	NCC/NSS/Social Welware	Er Balwant Singh
3	ECO Club	Er Abhi Garg
4	HR Club	Er Kovid Sharma
5	WDC	Er Ekta Garolia
6	Sports Club	Ms Sarbjit Kaur
7	Coder Club	Er Charandeep Singh
8	Seed Club	Er Sukhpal Kaur
9	Force Club	Er Ravneet Singh
10	Robotics Club	Er Gaurav Garg
11	ISTE Club	Er Jagdeep Singh
12	IIC/ Entrepreneurship Club	Dr Kanwaljeet Kaur

Planned Activities of Various Clubs

S.No	Name of Activity	Month	Date	Time	Responsible Person	Club Name
Phase 1						
1	Maintenance of BFCET Website	August	Weekly	10.30am-12.30pm	Er. Sumeet Bharti	Web site Committee
2	NSS Enrollment		12th August 2025	10.00am-12.00Noon	Ms Sukhjinder Kaur	NSS
3	Certificate Course for BFSSS		4th-14th August 2025	1:00pm - 2:30pm	Er. Gursewak Singh/ Er. Aryan Raj	Seed Club
4	District Independance Day Parade		15th August 2025	8.00am - 1.00pm	Er Balwant Singh	NCC
5	Tree Plantation Drive		29th August 2025	9.30am-11.30am	Ms Sukhjinder Kaur	NSS
6	Think Big: An Introduction to		28th August 2025	9.30am-11.30am	AIML/IoT Deptt	Technical Activity

	Entrepreneurship and Start-up (For all 3 years)					
7	Workshop on Prototype/Process Design and Development		28th August 2025	11:00am - 12.30pm	ME Deptt	IPR/IIC Club
8	1 Day workshop Automobile engine		29th August 2025	10..am-12.20pm	ME Deptt	Technical Activity of ME
9	An event to honor women contributions in Society		29th August 2025	11.30am onwards	Er Nitika Kaur	WDC Club
10	Main Tenu Phir Milangi- Remembering Amrita Pritam on occasion of Amrita Pritam's Birthday (Literary Club)		29th August 2025	10.00am onwards	Ms Jyoti Gandhi	Literary club
11	Internal Hackathon	September	1st-7th September 2025	9:30am - 12:30pm	Dr. Gagandeep Singh/ Dr. Amandeep Singh	Seed Club
12	Robotics Workshop for CE		3rd September 2025	10.00am onwards	Er Gaurav Garg	Robotroys Club
13	Workshop on Antenna and wave propagation		5th September 2025	11:00 AM	Er. Jagdeep Singh	ISTE Club
14	Resume preparation and use of Jobsscan.Com, linkdin, AICTE portals		5th September 2025	10.00am	ATPOs	T&P Club
15	International Literacy Day celebrations (Literary Club)		8th September 2025	1.00am onwards	Ms Jyoti Gandhi	Literary club
16	Code to Clarity: Data Analytics with Python (5-days workshop for 2nd & 3rd Year)		8th - 12th Sep, 2025	10.00am	AIML/IoT Deptt	Technical Activity
17	Workshop on Stadd. Pro		9th September 2025	10.30am-12.30pm	Ravneet Singh Sidhu	Force Club

18	One day Hands-on-practice for "Build a Website in a Day"		10th September 2025	10.00am onwards	Er. Charandeep Singh Bedi	Coder's Club
19	Fresher Party (Cultural Club)		10th September 2025	9.30am onwards	Ms Rishamjot Kaur	Cultural club
20	Carrier options in air force		10th September 2025	10.00am onwards	Resourse person from Air Force	T&P Club
21	Alumni Interaction		10th September 2025	11.00am onwards	Passout Student of ME	T&P Club
22	One day workshop on "Prompt Engineering for Generative AI"		11th September 2025	10.00am onwards	Er. Charandeep Singh Bedi	Coder's Club
23	Bifurcation of pre final year students		12th September 2025	10.00am	ATPOs	T&P Club
24	Web Design Contest		15th September 2025	01:30 - 04:00	Er. Sumeet Bharti	Web site Committee
25	Awareness Program on Drug Abuse and illict Trafficking		16th September 2025	9.30am-11.30am	Er Balwant Singh	NCC
26	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre such as Atal Incubation Centre etc		16th September 2025	11.00am onwards	ME Deptt	IPR/IIC Club
27	Workshop on Materials		16th Sept 2025	11.00am onwards	ME Deptt	Technical Activity
28	Cricket Tournament		16th-17th September 2025	11.00am	Ms.Sarbjit kaur	Sports club
29	Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups		17th September 2025	11.00am	AIML	IPR/IIC Club
30	Session/ Workshop on Business Model Canvas(BMC)		18th September 2025	11.00am	BCA Deptt	IPR/IIC Club

31	Talent Hunt 2025-26 (Cultural Club)		18th September 2025	9.30am onwards	Ms Rishamjot Kaur	Cultural club
32	Health and hygiene awarness drive		24th September 2025	9.30am	Er Nitika Kaur	Sports club
33	1 Day Workshop- Testing of engineering Materials		25th September 2025	11.00am onwards	ME Deptt	Technical Activity
34	Organize Session on “Lean Start-up & Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session		25th September 2025	11.00am	IPR Cell, BFGI	IPR/IIC Club
35	Volleyball Tournament		25th-26th September 2025	10.00am	Ms.Sarbjit kaur	Sports club
36	Nukkad Natak on birth aniversary of Shaheed Bhagat Singh (Dramatic Club)		26th September 2025	11.00am onwards	Er Rahul Kumar	Dramatic club
37	Speech Compitition on Celebration of Shaheed Bhagat Singh's BDay		26th September 2025	9.30am-11.30am	Ms Sukhjinder Kaur	NSS
Phase 2						
38	1-Day Workshop- HVAC Systems		1st October 25	10.00am onwards	ME Deptt	Technical Activity
39	One Day Advance AR/VR Workshop	October	3rd October 25	9:30am - 12:30pm	Er. Aryan Raj	Seed Club
40	Categorization of students through GD/PI		4th October 25	10.00am-3.00pm	ATPOs	T&P Club
41	Robotics Workshop for ME		6th October 25	10.00am onwards	Er Gaurav Garg	Robotroys Club
42	One Day Workshop on Web Development		6th October 25	09:30 - 12:30	Er. Sumeet Bharti	Web site Committee
43	Workshop on Smart City		6th October 25	11:00 AM	Er. Jagdeep Singh	ISTE Club
44	Mehandi competition on Karwa Chauth (Cultural Club)		8th October 25	11.00am onwards	Ms Rishamjot Kaur	Cultural club

45	Future Link: A One-Day IoT Dive (1st & 2nd Year)		8th October 25	10.30am-12.20pm	AIML/IoT Deptt	Technical Activity
46	Session/ Panel discussion with innovation and Start-up Ecosystem Enablersfrom the region/state/national level		8th October 25	11:00 AM	EE Deptt	IPR/IIC Club
47	Expert lecture on Carrier Guidance by PI Staff for NCC Cadets after Btech		9th October 25	10.00am - 12.20pm	Er Balwant Singh	NCC
48	Tree Plantation Drive		10th October 25	9.30am-12.20pm	Er Abhi Garg	Eco Club
49	Workshop on “Protecting Intellectual Property Rights (IPRs) and IP Management for Startups”		15th October 25	11:00 AM	EE Deptt	IPR/IIC Club
50	Webinar on Introduction to Mv DAD CloudBased RC Building EarthquakeResistant Structural Design Software		15th October 25	11.00am	Ravneet Singh Sidhu	Force Club
51	Workshop on “Raising Capital and Managing Finance for Startups”		16th October 25	11:00 AM	CSE Deptt	IPR/IIC Club
52	A Event on Safe & Eco Friendly Diwali		17th October 25	10.00am-11.30am	Er Abhi Garg	Eco Club
53	Rangoli competition on Diwali Festival occasion (Cultural Club)		17th October 25	10.00am-1.00pm	Ms Rishamjot Kaur	Cultural club
54	Alumni Interections		20th October 25	10.00am	By Each Department	T&P Club
55	Organize an Inter/Intra Institutional Start-up Competition and Reward the Best Start-ups and deposition in the Institution’s YUKTI Innovation Repository		21st October 25	11.00am	SSD	IPR/IIC Club

56	Workshop on Autocad 3d		22rd October 25	11.00am	Ravneet Singh Sidhu	Force Club
57	BadmintonTournament		23rd & 24th October 25	10.00am	Ms.Sarbjit kaur	Sports Club
58	Robotics Workshop for EE		27th October 25	10.00am onwards	Er Gaurav Garg	Robotroys Club
59	LinkedIn Workshop		28th October 25	9.30am-12.20pm	Dr. Amandeep Singh	Seed Club
60	One Day Workshop on Portfolio Building		29th October 25	9.30am-12.20pm	Er. Sumeet Bharti	Web site Committee
61	Workshop on Renewable Energy sources		30th October 25	11.00am	Er. Jagdeep Singh	ISTE Club
62	IPR Bootcamp: Write Patents with AI		3rd November 2025	10.00-12.00Noon	AIML/IoT Deptt	Technical Activity
63	3 Days Communication Skill Training	Novomber	3rd-6th November 2025	9.30am-12.20pm	Ms. Supriya	Seed Club
64	Health Awareness Camp		4th November 2025	9.30am-11.30am	Ms Sukhjinder Kaur	NSS
65	Workshop on Design Thinking, Critical thinking and Innovation Design		4th November 2025	11:00 AM	CSE Deptt	IPR/IIC Club
66	One Day Workshop on SEO and Web Performance Optimization		5th November 2025	01:30pm - 04:00pm	Er. Sumeet Bharti	Web site Committee
67	Organizing Innovation & Entrepreneurship Outreach Program in Schools by engaging active Atal Tinkering Labs and School Innovation Council (SIC)		6th November 2025	11.00am	Gaurav Garg	IPR/IIC Club
68	One day workshop on "Prompt Engineering for Generative AI"		9th November 2025	11.00am	Er. Charandeep Singh Bedi	Coder Club

69	B-Plan Pitch: Demo Day/Exhibition/Poster Presentation of Business Plans & linkage with Innovation Ambassadors/Expertsfor Mentorship Support. Offline/Hybrid 3 or 4 Qu		as per BFSoE	11.00am	SoE	IPR/IIC Club
70	Session on Accelerators/Incubation - Opportunities for Students & Faculties – Early-Stage Entrepreneurs		9th November 2025	11.00am	CE Deptt	IPR/IIC Club
71	Workshop on Enterprenuership		13th November 2025	11.00am	Ravneet Singh Sidhu	Force Club
72	Football		12th & 13th November 2025	10.00am	Ms.Sarbjit kaur	Sports Club
73	National Book Week (Literary Club)		14th -20th November 2025	9.30am onwards	Ms Jyoti Gandhi	Cultural club
74	Organize an Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech-Transfer		22rd November 2025	11.00am	IPR cell BFGI	IPR/IIC Club
75	Workshop on Knowledge transfer		27th November 2025	10.00am onwards	CE Deptt	Technical Activity
76	One Day Camp		27th November 2025	9.30am-11.30am	Ms Sukhjinder Kaur	NCC
77	Workshop on Knowledge transfer		27th November 2025	11.00am	Ravneet Singh Sidhu	Force Club
78	Blood Donation Camp on Occassion of NCC Day Celebration		27th November 2025	11.00am-2.00pm	Er Balwant Singh	NCC

79	Tech Talk Series: "The Future is Now" (Club Members/Industry Experts/Alumni)		Bi-Monthly	11.00am-12.20pm	Er. Charandeep Singh Bedi	Coder's Club
80	Conduct a Session on Achieving Problem-Solution Fit and Product-Market Fit	December	11th December 25	11.00am	CSE Deptt	IPR/IIC Club

Excepted Target Outcomes

1. Again, do our best to win Overall Trophy of Youth Festival 2025-26.
2. Also try our best at least 1-2 position in Inter University level.
3. Winner various trophy in sports/athletics and other events.
4. Ensure participation of 1-2 students in Republic Day Parade at New Delhi in Jan-2026.
5. Try to ensure participation of 5-10 students under EBSB under NSS/NCC programs
6. Donation of 50-60 units of blood for needy peoples.
7. Again will submit 03 projects and ensure that same must be approved based upon last years approved project.

PROGRESS FOLLOW UP

1. Jan Chetna Abhiyan: Empowering Rural Communities through Education and Skill Development

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total	Remarks
Total No. of Students								
Number of Student Benefitted								
Percentage of students benefitted								
Target for Next Sem								
Percentage of Target anticipated								

2. Clubs

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total	Remarks
Parameter								
Total No. of Students								
Total No. of Students in all Clubs								
Number of Student Participated in Activities								
Percentage of students Participated								
Number of Students not Participated in any Activity								

Percentage of students not Participated								
Target for Next Sem								

3.Sports

Parameter	**Sub Parameter**	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**	**Remarks**
Total No. of Students								
Number of Student Benefitted								
Percentage of students benefitted								
Target for Next Sem								
Percentage of Target anticipated								

4.Cultural

Parameter	**Sub Parameter**	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**	**Remarks**
Total No. of Students								
Number of Student Benefitted								
Percentage of students benefitted								
Target for Next Sem								
Percentage of Target anticipated								

Parameter	**Sub Parameter**	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**
Total No. of Students							
Total No. of Students in all Clubs							
Number of Student Participated in Activities							
Percentage of students Participated							
Number of Students not Participated in any Activity							
Percentage of students not Participated							
Target for Next Sem							
Percentage of Target anticipated							

BFCET – Student Satisfaction & Engagement Framework (B.Tech)

A. Effective Mentor–Mentee System (B.Tech)

1. Double Mentor for First Year

- Each First-Year student will have 2 mentors:
  - Academic Mentor → guides in academics, MST performance, course planning.
  - Skill & Career Mentor → guides in placements, skills, co-curricular participation.

2. Structured Mentorship Sessions

- Weekly Mentorship Lecture included in Time Table.
- Each session will follow a pre-defined agenda (month-wise).

Proposed Monthly Agenda (1st Semester Example):

- August → Profile Updation, Fee Submission, Baseline Data Collection (attendance, academic history).
- September → MST-I Results Review, Participation in Skill Programs.
- October → Activity Participation Tracking (clubs, projects, events).
- November → MST-II Results Review, Fee Follow-up, Career Guidance.

3. Digital Tracking & Recognition

- All records updated in EduMarshal – Mentor-Mentee Module.
- Best Mentor of the Month → based on:
  - Student MST performance
  - Participation in Skill Programs
  - Fee & attendance compliance
- Best Mentor of Semester Award → Recognition by Principal.

4. Escalation of Critical Cases

- Any student with critical issues (academic backlog, fee default, personal concerns) →
  - Mentor → HOD → Central MEC (Mentor Empowerment Committee).
- Maintained in a Centralized Record for tracking & timely resolution.

B. Effective Feedback & Grievance Redressal System (B.Tech)

1. Multi-Layer Feedback

- Student 360° Feedback → Once per semester (teaching quality, facilities, placements, clubs).
- TA Feedback for Faculty → Once per semester (course delivery & support quality).
- Mentor Feedback by Students → Optional mid-semester check-in.

2. Transparent Grievance Channels

- EduMarshal Grievance Module → Primary redressal platform.
- Google Form (Direct to Principal) → For urgent & sensitive issues.
- Classroom Meetings → Monthly meetings of Principal, Associate Deans & HODs with student groups.

3. Action-Oriented System

- Action Taken Plan (ATP):
  - Each department prepares a Student Issue → Action Taken → Status report.
  - Shared with students transparently via Mentors & TAs.
- Builds trust + accountability in the system.

C. Innovative Add-ons for BFCET

To make the system modern & student-friendly:

- Mentorship Dashboard (EduMarshal Integration): Live status of mentees' academics, fee, placements, and activities.
- Mentor–Mentee E-Portfolio: Each student maintains a digital portfolio (skills, certifications, activities, projects).
- Gamification of Mentorship: Points for mentors & mentees (attendance, results, participation) → Leaderboard & Rewards.
- Anonymous Feedback Option: Encourages students to report without hesitation.
- Student Happiness Index: Semester-wise score based on surveys, grievances resolved, and engagement.

D. Expected Benefits

1. Stronger mentor–mentee bonding → Improved academic results & placements.
2. Transparent grievance redressal → Student trust & satisfaction.
3. Recognition culture (Best Mentor/TAs) → Motivates faculty & students.
4. Data-driven decision-making (EduMarshal integration).

AICTE-IDEA Lab

The AICTE-IDEA Lab at Baba Farid College of Engineering & Technology (BFCET), Bathinda is a flagship facility supported by AICTE under the IDEA Lab scheme (Idea Development, Evaluation & Application). The IDEA Lab provides all facilities under one roof for the conversion of an idea into a prototype. It aims to bridge academia and industry through innovation, hands-on learning, and design thinking.

Vision

To provide a self-sustainable platform for applications of Science, Technologies, Engineering and Mathematics (STEM) fundamentals and to transform ideas into impactful solutions through cutting-edge technology, collaborations and a supportive ecosystem.

Objectives

1. Establish a hands-on, interdisciplinary learning ecosystem.
2. Promote Product-Based Learning aligned with NEP 2020.
3. Facilitate rapid prototyping and innovation.
4. Support startups and entrepreneurship.
5. Strengthen collaboration between industry and academia.

Execution Plan

S.No	Activity	Date	Description / Objective
		Phase 1	
1	Vendor Finalization, Lab Setup & Faculty Orientation	**1st Sept – 15th Oct 2025**	Finalize vendors, set up the lab infrastructure, and orient faculty members.
2	Project Review 1	**23rd Sept - 29th Sept 2025**	
3	Certificate Courses & Project Work	**1st Oct 2025**	Launch certification programs and initiate project-based learning activities.
4	Skilling Workshop on Industrial Automation	**06th Oct - 11th Oct 2025**	
		Phase 2	
5	Project Review 2	**10th -14th Nov 2025**	Conduct project reviews and organize a Faculty Development Programme on Industry 4.0.
6	ATAL FDP on Industry 4.0: Challenges & Opportunities in Industries and Academia	**17th Nov 2025-22nd Nov 2025**	
7	Industry Academia Meet & Finalization of Projects	**19th Dec 2025**	Host an interactive session between industry experts and academia to finalize collaborative projects.

8	Identification of Industrial Problems/Projects	**15th Jan 2026**	Identify key industrial challenges and potential projects for student and faculty involvement.
9	Integration with Other Labs for Project Development	**16th Feb 2026**	Collaborate with other labs to enhance interdisciplinary research and innovation.
10	Global Hackathon	**16th Mar 2026**	Participate in and host global hackathons to promote innovation and problem-solving.

Expected Targets

1. 10+ patents or prototypes developed for commercialization.
2. 5+ industry collaborations established for joint R&D and consultancy.
3. Launch 3 certificate courses and conduct 2 Faculty Development Programmers (FDPs).
4. 100+ students trained through hands-on workshops and certification programs.
5. Organize at least 1 major innovation challenges or hackathons at the institutional and national levels
6. Secure CSR partnerships with industries for lab sustainability and student innovation funding.

Expected Outcomes

1. Enhanced Student Skills: Students gain practical exposure to automation, 3D printing, IoT, Robotics and CNC Technologies, making them industry ready.
2. Increased Employability: Better internship and placement opportunities through partnerships with Fuji Electric India Pvt. Ltd., SMEs, and other industry leaders.
3. Innovation & Entrepreneurship: Development of patentable products, incubation of startups, and participation in national innovation initiatives like Smart India Hackathon and Toycathon.
4. Industry-Academia Collaboration: Joint research, prototype testing, and product co-development with industries.
5. Revenue Generation: Offering paid workshops, consultancy services, and prototype development to sustain the lab.

Progress Follow-Up Plan

To ensure the lab meets its targets and achieves desired outcomes, the following monitoring mechanism will be adopted:

Timeline	Activity / Deliverable	Progress Status
Monthly	Project status updates from student teams	
Quarterly	Faculty Development Programmers & skill workshops	
Half-Yearly	Prototype showcases and patent filing updates	
Annually	Final outcome report with statistics on projects, patents, and collaborations	
Continuous	Industry engagement, consultancy projects, and CSR collaborations	

Mentoring Cell

Vision

The Mentoring Cell at BFCET is committed to fostering resilience and academic success through structured mentorship programs and personalized guidance.

Objectives

The key objectives of the Mentoring Cell are:

- To support students in addressing academic, personal, and emotional challenges.
- To provide structured mentorship, counseling, and peer support.
- To ensure personalized guidance through faculty mentors and teaching assistants.
- To nurture resilience and academic excellence within a caring and supportive environment.

Mentorship Structure

The Mentoring Cell functions through a dual-support system:

- Faculty Mentors – Provide academic direction, career guidance, and holistic support.
- Student Teaching Assistants – Offer peer support, ensuring approachability and collaborative learning.

This structure ensures that students receive comprehensive and accessible guidance at both academic and personal levels.

Executive Plan

The Mentoring Cell will operate under the following structured plan:

1. Allotment of Mentors to all classes for direct mentorship.
2. Weekly Mentorship Lecture to be scheduled as part of the timetable.
3. Pre-defined Agenda for Mentorship Sessions, with recognition of *Best Mentor* based on performance in the following areas:
    a. Profile updations, fee records, and baseline data collection.
    b. Recording MST results and University results in the Mentor–Mentee register.
    c. Tracking student participation in activities, skill-oriented programs, certificate courses, and other engagements.
    d. Monitoring and addressing pending fee cases.
4. Reporting all critical cases to the Centralized MEC through HODs, with proper documentation.

Academic Planner

The academic planner of the Mentoring Cell integrates regular mentorship sessions with academic activities, examinations, and co-curricular programs. This structured approach enables mentors to track progress continuously and provide timely interventions for student development.

Sr. No.	EVENTS	Month	1st Year	Intermediate classes	Category	Responsible Person	Overall follow up
Phase 1							
1	Mentor–Mentee Allotment/ Nomination of TAs	August	20th August 2025	21st August 2025	Academics	HoDs	Associate Dean Ranking and accreditation
2	Mentor–Mentee Meetings	August–Dec	Once in a week (as per time table)		Academics	HoDs	Associate Dean Ranking

							and accreditation
3	1st Meeting of Mentor Mentee/ Maintaining Mentoring Register	September	10th – 16th Sept, 2025		Academics	HoDs	Associate Dean Ranking and accreditation
Phase 2							
4	Checking of Mentoring Register	October	21st – 24th Oct, 2025		Academics	Dr. Kanwaljit Kaur	Associate Dean Ranking and accreditation
5	II Meeting of Mentor Mentee	November	3rd – 6th Nov, 2025		Academics	HoDs	Associate Dean Ranking and accreditation
6	Final submission Mentoring Register	December	4th – 5th Dec, 2025	4th – 5th Dec, 2025	Academics	HoDs	Associate Dean Ranking and accreditation

Outcomes:

The Mentoring Cell at BFCET is expected to achieve the following outcomes:

- Establishment of a dedicated network of faculty mentors and student teaching assistants.
- Provision of personalized support for every student, covering academic, personal, and emotional aspects.
- Increased student participation in academic, co-curricular, and skill-development programs.
- Development of resilience, confidence, and academic success among students.
- Integration of mentorship as a core pillar of the student support system at BFCET.

Progress Follow up:

1. Mentor-Mentee Partnership for Holistic Student Development

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total	Remarks
Total No. of Students								
Number of Student Benefitted								
Percentage of students benefitted								
Target for Next Sem								
Percentage of Target anticipated								
Student Profiles: Tailored through self-assessments,								

interviews, and feedback to understand each student's strengths, weaknesses, and career goals, ensuring personalized guidance and support								
Edu Marshal App: Used for real-time tracking and feedback, helping mentors guide students' progress based on their profiles and continuously adjusting strategies for improvement								
Clubs have been created according to students' profiles and interests from first-year baseline data, ensuring personalized nurturing in clubs that align with student goals								

2. Mentoring and Empowerment Centre (MEC)

Parameter	**Sub Parameter**	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**
Total No. of Students							
Number of Students Who Were in Difficulty (Identified by Mentor)							
Number of Students Counselled at college level							
Number of Student Refered to MEC for Counseling							
Percentage of students (Who were in difficulty)							

Consultancy Cell

Vision

To be a nationally recognized centre that transforms academic expertise into innovative and practical solutions, fostering collaborations, driving technology and contributing to sustainable economic and social development.

Objectives

The Consultancy Cell is established with the following general objectives:

1. To promote and coordinate consultancy projects across Engineering, Paramedical, Management, and Agriculture disciplines.
2. To provide expert advice and practical solutions to industry, government, and community partners by leveraging the institution's multidisciplinary expertise.
3. To encourage faculty and student participation in consultancy projects, facilitating hands-on experience and knowledge dissemination.
4. To utilize faculty expertise for real-world problem-solving and generate revenue through consultancy services.
5. To enhance research and development efforts and offer practical exposure and learning opportunities to the students.
6. To create opportunities for intellectual property and patents and enhance faculty professional development.
7. To bridge skill gaps in the industry and support entrepreneurship and innovation.
8. To enhance industry–institute linkage and foster innovative problem-solving through collaborative research and development.
9. To manage and administer the operational, financial, and quality aspects of consultancy activities in accordance with institutional policies.

Planning

S. No	Description	Deadline
Phase 1		
1	Sending letters to industries who participated in Industry Connect & Formation of Consultancy Core Committee	25th August 2025
2	Drafting and Circulation of Consultancy SOPs (finance, quality, approvals)	31st August 2025
3	Identification of consultancy-ready services in each department & Preparation of consultancy brochure	10th September 2025
4	Department-level consultancy proposals (min. 2 per dept.) & Consultancy Awareness Week	25th September 2025
Phase 2		
5	Launch of Online Consultancy Portal (basic version)	20th October 2025

6	First Review of Consultancy Activities & Progress Report Submission	15th November 2025
7	Launch of Student Consultancy Cell & FDP on IPR & Patents (with initiation of at least 1 project per dept.)	20th December 2025
8	Industry–Institute Meet (Round 2) & Publication of Consultancy Newsletter	20th January 2026
9	Entrepreneurship & Innovation Consultancy Drive & Skill Gap Analysis Workshop	20th February 2026
10	Regional Industry & Government Outreach Visits & Student Consultancy Project Expo	25th March 2026
11	Launch of Interdisciplinary Consultancy Projects & Faculty–Industry Networking Meet	20th April 2026
12	Annual Consultancy Review & Recognition Ceremony & Submission of Annual Consultancy Report (with 2026–27 plan)	20th May 2026

Expected Outcome (2025–26)

1. Strengthened Industry–Institute Linkage
2. Faculty Professional Development
3. Student Engagement and Exposure
4. Revenue Generation:
5. Consultancy Project Initiation

Progress Follow-Up Plan

1. **Consultancy Work for Industry Collaboration & Tangible Outcomes**

Parameter	**SSD**	**CSE**	**ME**	**CE**	**EE**	**Total**	**Remarks**
Total No. of Students							
Number of Student Benefitted							
Percentage of students benefitted							
Target for Next Sem							
Percentage of Target anticipated							
Number of industry partners availing consultancy services							
Number of consultancy projects completed							
Revenue generated from consultancy work							

Digitalization of Courses

Vision

To establish a flexible, accessible, and innovative digital learning ecosystem that transcends physical and geographical boundaries, fostering a global community of lifelong learners.

Objectives

1. **Integrate Technology in Education** – Seamlessly embed advanced digital tools into teaching-learning practices.
2. **Enhance Accessibility & Inclusivity** – Provide equitable access to quality education for diverse learners, including rural and remote students.
3. **Faculty Empowerment** – Strengthen digital pedagogy skills through structured training and continuous upskilling.
4. **Quality Content Development** – Create interactive, adaptive, and engaging e-learning content aligned with NEP 2020.
5. **Global Collaboration** – Expand outreach through MOOCs, micro-credentials, and industry partnerships.

Planning

Date	Planned Activity
Phase 1	
29 Aug 2025	Faculty onboarding
26 Sep 2025	Content digitalization kick-off (video + quizzes)
30 Oct 2025	Pilot courses launch + feedback from students
Phase 2	
28 Nov 2025	Refinement + Full content creation
29 Dec 2025	Review from faculty & students + scaling planning
15 Jan 2026	Department-wide implementation begins
27 Feb 2026	Analytics tracking + remedial measures
31 Mar 2026	Reporting, future roadmap drafting

Expected Outcome (2025–26)

- 20+ Digital Courses implemented across all departments.
- 50% Faculty Trained in digital pedagogy and tools.
- 50% LMS Usage ensuring high student engagement.
- 10+ Micro-Credentials offered in collaboration with Coursera, SWAYAM, edX.

Progress Follow-Up Plan

1. **Empowering Students Through Digital Literacy and Connectivity**

Parameter	Sub Parameter	SSD	CSE	ME	CE	EE	Total	Remarks
Total No. of Students								
Number of Student Benefitted in PDP Skills								
Percentage of students benefitted								
Target for Next Sem								
Percentage of Target anticipated								

30+ YEARS OF PROUD LEGACY

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DARPAN

School of Sciences

Department of Physical and Mathematical Sciences

Academic Session 2025-26

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Vision

To foster excellence in teaching, research, and innovation across Physical and Mathematical Sciences, empowering students with analytical skills and scientific insight to address real-world challenges.

Mission

- To nurture independent thinking and prepare students for lifelong learning through a learner-centric environment.
- To identify and cultivate student's talents, encouraging them to align their passion with professional goals.
- To develop critical thinking and problem-solving abilities through an education rooted in real-world applications.
- To uphold high standards of teaching by adopting interactive, innovative, and practical pedagogical approaches.
- To enhance student's employ-ability through training in entrepreneurial and essential life skills.
- To foster a research-driven culture by creating a supportive environment for faculty and students to engage in real-time research and development activities.

Objectives

- To provide a strong foundation in physical and mathematical sciences with theoretical knowledge and practical skills.
- To promote analytical, logical, and scientific thinking among students for solving real-world problems.
- To encourage interdisciplinary learning and integration of mathematics and physics with emerging technologies.

- To support students in pursuing higher education, research, and professional careers in academia, industry, and government sectors.
- To foster innovation, creativity, and a spirit of inquiry through project-based learning and research activities.
- To instill ethical values, scientific temper, and a commitment to lifelong learning and societal contribution.

About School of Sciences

The School of Sciences (Physical and Mathematical sciences) offers undergraduate and postgraduate programs that combine strong theoretical foundations with rigorous practical training. Faculty members are actively engaged in research, curriculum innovation, and community outreach.

Programs Offered:

Sr No	Name of Program	HOD	Number of Students	No. of Labs	No. of Lecture Halls
1	B.Sc. Non-Medical	Dr. Jasmeet Kaur	167	7	3
2	B.Sc. (Hons) Mathematics		54	1	3
3	B.Sc. Computer Science		40	2	2
4	M.Sc. Physics		20	2	2
5	M.Sc. Mathematics		19	1	2
6	M.Sc. Chemistry		8	2	1
	TOTAL STUDENTS		294	14	11

About Faculty

Sr. No.	Name of Department	Number of Teaching Faculty	Number of NET Qualified	Number of Ph.Ds
1	Physical and Mathematical Sciences	26	5	11

Academic Excellence

Students are categorized based on their academic performance to ensure targeted mentoring and focused improvement strategies for both UG and PG levels.

On the Basis of the academic performance of the students, each mentor will categorize the students in 2 different categories

A. **Slow learners** B. **Fast learners**

A. ***SLOW LEARNERS*** – "Strengthen the Roots"

Teaching Plan for Slow Learners

Objective:

To prevent academic failure, improve comprehension, and enable students to achieve minimum passing marks through structured teaching, regular monitoring, and motivational support.

ACTION PLAN:

1. Student Identification & Profiling

For Ist year students

- Use class participation,
- class tests (planned weekly tests within 15 days) and
- mentor feedback to identify slow learners in the first month.
- Maintain a **Slow Learner Tracking Sheet** for each student (subjects failed, weak topics, attendance record).

For intermediate class students

- **Check the results of previous exams to identify the students**

2. Teaching Methods & Strategies

A. Content Simplification

- **Use Vernacular Support:** Explain difficult concepts in simple English with local language reinforcement.
- **Chunking of Content:** Break complex topics into 10–15 min micro-lessons.
- **Use of Visual Aids:** Diagrams, flowcharts, animations for conceptual clarity.

B. Active Learning Approaches

- **Micro-Teaching:** 5–10 student groups for direct interaction.
- **Peer-Assisted Learning:** Pair slow learners with Achievers/Performers.
- **Activity-Based Learning:** Use models, experiments, and real-life examples.

C. Repetition & Reinforcement

- Weekly **Revision Hour** for difficult units.
- Quick recap quizzes at the start/end of each lecture.
- **Formula/Concept Cards** for Maths & Science subjects.

D. Practice-Oriented Learning

- Daily **10-minute problem-solving drills**.

- **Exam Simulation:** Practice previous university papers under timed conditions.
- Special **"Answer Presentation" training** (keywords, diagrams, structured answers).

3. Class Structure for Slow Learners

weekly plan	Focus Area	Activities
1–2	Basic concept recap	Simplified notes, visual teaching
3–4	Core topic strengthening	Lab/demo activities, peer help
5–6	Exam writing drills	Previous year papers, timed practice
7–8	Focus on weak units	Extra classes, doubt-clearing
9–10	Final revision	Crash course + mock test

4. Continuous Evaluation & Feedback

- ✓ **Weekly Mentor Review:** Progress check & emotional support.
- ✓ **Mini Tests:** 15-min weekly quiz on last taught topics.
- ✓ **Feedback to Parents/Guardians:** Attendance, test performance updates. **(case study of B.Sc. Non Medical)**

5. Motivation & Engagement

- Monthly **Motivational Talks** by alumni or senior faculty.
- Recognize improvement publicly (not just top scores).
- Celebrate small academic achievements (first pass in a subject, improved test score).

6. Support Resources

Slow Learner Kit:

- Video links to topic explanations

- Question bank with step-by-step solutions
- Simplified handwritten notes

Remedial Classes: Minimum 2 per week per subject. (B.Sc. Hons. maths students during their free slots)

Doubt Box/Whats app group: Anonymous submission of questions for faculty to address.

Expected Outcome:

- Increase pass percentage of slow learners by **at least 20%** compared to the previous semester.
- Improved attendance (target > 80%).
- Reduced number of reappears in university exams.

B. *FAST LEARNERS –* "Expand the Horizons"

Teaching Plan for Fast Learners (Achievers)

Objectives

1. Deepen subject mastery through ***advanced content***.
2. Use fast learners as ***academic catalysts*** for the rest of the class.
3. Channel their skills into *peer mentoring and collaborative learning*.
4. Prepare them for competitive exams, research, and ***university rankings***.

Teaching Methods & Activities

1. Flipped Classroom Approach

- **How:** Share lecture notes, recorded videos, and reference readings in advance.
- **Benefit:** Saves class time for high-level discussion, problem-solving, and application-based learning.
- **Outcome:** Enhances conceptual depth, allows fast learners to explore beyond the syllabus.

2. Peer Teaching & Mentoring

- **How:** Assign 1–2 slow learners or strivers to each fast learner for guided study sessions.
- **Benefit:** Reinforces knowledge for the fast learner, improves weaker students' understanding.
- **Outcome:** Increases pass rate by ensuring slow learners get extra support.

3. Project-Based Learning (PBL)

- **How:** Assign advanced, real-world projects that require research, problem-solving, and creativity.
- **Benefit:** Keeps fast learners engaged, produces outcomes (models, research papers, prototypes) useful for the department.
- **Outcome:** Improves academic visibility and motivates average students.

4. Enrichment Modules / MOOCs

- **How:** Encourage enrollment in SWAYAM/NPTEL/EdX advanced courses aligned with the subject.
- **Benefit:** Provides exposure to global teaching methods and concepts.
- **Outcome:** Better competitive exam performance and increased employability.

5. Collaborative Problem Solving

- **How:** Organize high-difficulty problem-solving sessions in small mixed-ability groups.
- **Benefit:** Fast learners challenge themselves while helping peers bridge knowledge gaps.
- **Outcome:** Improves average class performance.

6. Leadership in Academic Clubs

- **How:** Make fast learners leaders in '**subject-specific clubs'** (e.g., Coding Club, Physics Society, Math Circle).
- **Benefit:** Enhances leadership, communication, and teamwork skills.
- **Outcome:** Builds a collaborative academic culture.

How This Helps Increase Passing Rate

- **Fast learners act as peer mentors** for weaker students, reducing the number of failures.
- **Advanced challenges prevent disengagement** of top students, so they remain active contributors.
- **Collaborative activities** ensure knowledge flows across ability levels in the class.
- **Peer-led revision sessions** before exams provide accessible learning for all.

Targets :

With the above strategy we are taking following target for Results

*a. Target for University Positions : **03***

Strategies for clearance of all reappears

The university result of B.Sc Non Medical, B.Sc Non Medical Computer science, B.Sc. Hons Mathematics and PG students for their **1st and 3rd semester examinations** reflects the following performance insights.

Key Insights

Program	Subject	All clear students	Reappear students	Target
B.Sc. Non Medical ist sem	Mathematics	52%	48%	90%
	Physics	86%	14%	95%
	Chemistry	81%	19%	90%
	English	98%	2%	100%
B.Sc Non medical 3rd year (Recent not out yet)		84%	12%	95%
B.Sc. Non medical (Computer Science)		Result of sem-I not out yet		
B.Sc. Hons Mathematics		Result of Sem-I not out yet		
M.Sc. Physics sem Iand II		100%	0%	Increase in highest percentage
M.Sc Mathematics sem I and II		98% & 100%	2%	100 % Target and improvement in percantage

Action Plan for reappear students

Area	Strategies	Action Plan
Identification	Prepare a **subject-wise reappear list** immediately after results.	Within 1 week of result declaration (Results of B.Sc. NM (CS) and B.Sc. Math are not out yet, List B.Sc NM, is already prepared
Focused Study Plan	Create **short-term crash syllabus coverage plans** for each subject.	Faculty to design **7–10 day intensive module, extra classes will be conducted in online mode and during MSTs exams.**
Mentorship	Assign **subject-specific mentors**.	Weekly 1-on-1 check-in till exam.
Peer Support	Pair with **fast learners** for quick doubt clearance.	2 peer study sessions/week.
Practice & Testing	**Previous year question paper solving** and **mock tests**.	Section wise discussion about PYQ twice per month

Common Measures for Categories:

- For all the reappear students specific faculty will be assigned for their classes. It will be the responsibility of the concerned teacher to put extra efforts for them.
- Maintain ≥ 90% attendance in remedial/reappear classes.
- Motivational Incentives for faculty members during their yearly evaluation.

Target: To clear the Re-appears of 90% students.

Effective Implementation of Practical labs

Step	Action	Responsibility	Timeline
1	Prepare lab timetable & experiment list	HOD + Lab In-charge	Before semester start
2	Conduct lab safety induction	Faculty + Lab Assistant	1st week
3	Distribute pre-lab manuals & resources ***(Put QR codes on every apparatus)***	Faculty	1st week
4	Implement pre-lab assignments ***(through google drive link sharing)***	Students	Before each session
5	Conduct internal viva for each experiment	**External faculty**	During semester
6	**Maintain continuous evaluation records**	Faculty	Weekly
7	Submit progress reports	Lab In-charge to HOD	Monthly
8	**Organize lab-based mini-project presentation**	Faculty	End of semester

Student Engagement & Skill Building

- Assign **rotating roles** in each group (leader, recorder, analyst, presenter). Encourage students to **predict outcomes** before performing the experiment.
- Organizing field visits (e.g., observatories, research labs, industry) and integrating data collected into classroom analysis.

Section	Details
Objective	1. Ensure systematic, safe, and result-oriented practical learning in science laboratories.

Section	Details
	2. Strengthen student's experimental, analytical, and reporting skills. 3. Integrate theory with hands-on application to enhance subject understanding .4. Promote regular assessment to maintain high pass percentages. 5. Prepare students for research, industrial work, and competitive exams requiring lab proficiency.
Policy	1. **Mandatory Attendance:** Students must maintain **minimum 75% lab attendance** to qualify for final practical exams. **Rule of Struck off the students from college will be implemented on Practical Subjects as well.** 2. **Internal Viva:** At least **one internal viva per experiment** to test understanding and application. 3. **Alternate Evaluator:** Viva conducted by faculty **other than the subject teacher** for impartiality 4. **Live Project Integration:** Each practical course must have **one live or applied project** related to industry/research. 5. **Continuous Evaluation Performa:** Maintain a standard evaluation sheet tracking **attendance, viva score, project milestones, and lab discipline**. 6. **Lab Safety Compliance:** Mandatory use of PPE (lab coats, safety goggles, gloves where needed) and adherence to safety rules. 7. **File & Report Alternatives:** Replace conventional file writing with **problem-solving assignments, brief project reports, and learning diaries**. 8. **Periodic Lab Observation:** HoD or designated faculty to **inspect lab activities monthly** for quality assurance.

Section	Details
Implementation	**Pre-Semester:** • Allocate lab schedules and assign faculty/lab assistants .• Update lab manuals with detailed experiments, procedures, and safety guidelines .• **Train faculty and lab assistants in evaluation standards.** **During Semester:** • Conduct **weekly practicals** as per timetable .• Record attendance and progress in the **Continuous Evaluation Performa**. • Hold **internal viva** immediately after each practical. • Assign **mini-projects** or applied problems in the subject area. • Provide **remedial lab sessions** for students scoring low in initial assessments. Conduct **Quiz tests** for evaluation as part of internal assessment **End of Semester:** • Organize **project presentations** and demonstration day .• Conduct **mock practical exams** for practice. • Submit all evaluation records to HoD for review .• Take student feedback for continuous improvement.

Monitoring & Review

- **Monthly Review:** HOD to review lab attendance, evaluation records, and project progress.
- **Surprise Observations:** Conducted by an authorised academic committee.
- **Corrective Actions:** Weak areas identified and addressed via extra sessions before final practical exams.

- ***CAMERAS access should be given to HOD for observations.***

Department Mentors (One per Department):

- Dr. Prashant Allongker, Professor from Central University Bathinda is appointed as department Mentor

Student Skill Enhancement Plan

Aspect	B.Sc. Students (Undergraduate Level)	M.Sc. Students (Postgraduate Level)
Objectives	• Build a strong foundation in practical, analytical, and communication skills. • Introduce industry-relevant tools and techniques early .• Develop confidence through competitions, presentations, and projects .• Foster interdisciplinary exposure for career flexibility.	• Advance subject-specific expertise for research and industry roles .• Strengthen data analysis, problem-solving, and project management skills. • Promote independent research and innovation. • Prepare for competitive exams (NET, GATE, CSIR-JRF) and Ph.D.
Skill Domains	1. **Technical Skills** – Lab instrumentation, basic coding (Python, MATLAB), data recording 2. **Digital Literacy** – MS Office, online tools, NPTEL/SWAYAM courses. 3. **Soft Skills** – Presentation, teamwork **(Via arranging Fresher , Farewell parties and department level activities)**, time management. 4. **Research Basics** – Introduction to scientific	1. **Advanced Technical Skills** – ● Specialized lab equipment handling, ● computational modeling.***(As a part of dissertation of M.Sc. Maths students)*** 2. **Research Skills** – ● Sample preparation, ● Paper writing, ● conference presentations.

	writing, literature review. 5. **Career Awareness** – Job roles, higher studies, competitive exam pathways.	3. **Data Analysis Tools** – SPSS, R, Python, OriginLab, LaTeX. (**for plotting results**) 4. **Soft Skills for Leadership** ● ***Mentoring juniors***, ● **professional networking(lab work at CUP, MRSPTU)**
Action Plan	• Organize **monthly skill workshops** (lab techniques, software tools, academic writing). • Conduct **peer-to-peer learning sessions** where achievers teach concepts. • Run **mini-projects** in every semester linked to lab/practical courses. • Arrange **career guidance sessions** for higher studies/placements. • Encourage participation in **college fests, quizzes, science fairs**.	• Host **research methodology workshops** .• Allocate **faculty mentors for research projects**. • Ensure participation in **minimum 1 conference per semester**. • Conduct **mock NET/GATE tests** quarterly. • Facilitate **industry visits** and **internships** in research labs or companies.
Implementation Strategy	**Phase 1 (Sem 1–2):** Basic lab & digital skills	**Phase 1 (Sem 1):** Advanced lab training, literature review

	Phase 2 (Sem 3–4): Applied projects, inter-college events **'SPARK 25-26'**. **Phase 3 (Final Year):** Industry exposure, competitive exam preparation.	skills. **Phase 2 (Sem 2):** Research paper submission, competitive exam training.
Evaluation & Monitoring	• Track participation in workshops and competitions as a **part of internal evaluation crieteria.** .• Maintain a **Skill Development Portfolio** for each student. • Use pre- and post-training assessments to measure improvement.	• Maintain **research progress reports** .• Review conference participation and publications. • Evaluate through viva, presentations, and industry mentor feedback. ***External should be invited for evaluation of dissertation***

1. **List of Certificate / Add-on Programs:**

- **Applied R Programming in Natural and Life Sciences (3–5 Days)**
- **Mathematical Modelling and Simulation Techniques (through MOU signed institute)**
- **Artificial Intelligence & Machine Learning (Basics & Intermediate)**
- **Introduction to Firewal l(30 hrs)**

➢ Details of Year wise certificate course

Year	Program Title	Duration	Key Skills Covered	Outcome
1st Year	Basic Laboratory Skills & Safety	30 hours	Lab safety protocols, equipment handling, data recording	Confident handling of instruments & safe lab practices
	Digital Literacy for Science Students	25 hours	MS Office, Google Workspace, online research tools	Ability to prepare professional reports & presentations
	Scientific Communication Skills	20 hours	Report writing, presentation, poster preparation	Improved academic and professional communication
2nd Year	Advanced Experimental Techniques in Science	35 hours	Spectroscopy, titrations, electronic measurements	Stronger analytical skills for labs & research
	Data Analysis Using Excel & OriginLab	25 hours	Graph plotting, statistical analysis, interpretation	Proficiency in data handling for projects
	MATLAB for Science Students	30 hours	Mathematical modeling, simulations, problem-solving	Application of computational tools in subject-specific problems
	Certificate in AI Tools for Science Students	20 hours	Research design, literature search, referencing tools	Ready for small research projects and papers
3rd Year	Applied Project-Based Learning	40 hours	Project design, execution, documentation	Completion of an applied research or industry project
	Scientific Writing & Publication Ethics	25 hours	Journal paper structure, plagiarism	Preparedness for publishing work

Year	Program Title	Duration	Key Skills Covered	Outcome
			check, referencing	
	Industry Readiness Program	30 hours	Resume writing, interview skills, workplace ethics	Enhanced employability skills
	Advanced Python & Data Science Basics	35 hours	Data handling, visualization, introductory ML	Capability to work on interdisciplinary computational projects

2. **List of Training Programs:**

- **Soft Skills and Communication Training for STEM Students**
- **Resume Building and Interview Preparation**
- **Training on Ethics in Research and Plagiarism Detection Tools**

3. **Strategies for Effective Implementation of Live Projects:**

- Encourage interdisciplinary projects involving mathematics, physics, computer science, and environmental science.
- Appoint faculty mentors to monitor progress and ensure timely completion.
- Conduct mid-review and final evaluation based on presentations and project reports.
- Integrate project work with research paper writing and conference presentations.

4. **Internship Opportunities (Targets):**

- **Target:** At least **n** **of final-year students** to undertake internships in research labs, industries, or academic institutions annually.

- Partner with organizations like **CUP, MRSPTU, PUP, GNDU, Science organizations..**
- Organize Internship Fairs and Guidance Sessions for students.

5. **Skill Enhancement Activities (Targets):**

- Organize **at least 6 activities per semester**, including:

✓ **Coding competitions**
✓ **Mathematical quiz & Olympiad**
✓ **Scientific writing & presentation contests**
✓ **Poster making and model presentation events**
✓ **Group discussions and debates**
✓ **Problem-solving hackathons**

6. **Students' Visits to Various Research and Academic Institutes (Targets):**

- **Target:** Minimum **2 academic/research field visits** per semester.
- Suggested Institutes:

✓ MRSPTU, Bathinda
✓ Central University of Punjab, Bathinda
✓ Bhabha Atomic Research Centre (BARC) virtual tours
✓ Science City, Kapurthala

7. **Expert Lectures (Targets):**

- **Target:** Minimum 2 **expert lecture per semester** by resource persons from academia, industry, or research organizations.
- Topics include:

✓ **Recent trends in Physical and Mathematical Sciences**
✓ **AI and its application in Physical and Mathematical sciences**

- ✓ **Career opportunities in Science and Technology**
- ✓ **National Education Policy (NEP) and Multidisciplinary Learning**
- ✓ **Scientific Research Methodologies**

Research and Development

Vision

To cultivate a culture of innovation, inquiry, and collaboration among students and faculty by

promoting research and development in the field of computer applications.

Objectives:

1.To promote research-oriented thinking among students and faculty.

2.To support paper writing, publication, patent filing, and advanced studies.

3.To organize events and workshops that build research skills.

4.To track and support research progress through structured mentorship and review.

Activities: Establish a **Departmental Research Cell aligned with Science Club** to coordinate activities, maintain records, and facilitate collaborations.

List of activities

Category	Activity Name	Description	Expected Outcome
Workshops	*InnovateX Lab*	Hands-on workshop on research methodology, lab safety, and data analysis techniques.	Students learn practical research skills.
Workshops	*Patent Pathway*	Training on intellectual property rights and patent filing.	Awareness of innovation protection.

Category	Activity Name	Description	Expected Outcome
Competitions	*PaperQuest*	Research paper writing and presentation competition.	Improves scientific writing and presentation skills.
Hands-on Projects	*Lab-to-Life Project*	Students work on mini-research projects with faculty guidance.	Practical application of classroom learning.
Exhibitions (PROJECT PULSE)	*Innovision Expo*	Showcase of student research posters, prototypes, and innovations.	Public display and peer feedback.
Skill Development	*Data Dive*	Workshop on research data handling, statistics, and AI tools.	Stronger analytical and computational skills.
Science Communication	*Research Relay*	Students explain complex research in simple terms to a non-expert audience.	Improves communication and outreach skills.

- Organize Research Methodology Workshops and FDPs focused on experimental design, data analysis, and scientific ethics.

Faculty Targets:

Total publication target : 40

Patent Publication	***: 4-5***
Paper Publication in SCI journal	***: 5***
Paper publication in Scopus indexed journal	***: 5***
Book chapter publication	***: 8***
Paper publication in conference proceeding	***: 20***

- ***Students' involvement in Patent Publication 5***
- ***Students' involvement in Scopus indexed Publication 5***
- ***Students involved in Peer reviewed journals Publication 10***
- ***Students' involvement in conference proceeding publications 100***

Date Range	Milestone	Details / Task	Deliverable
20 – 25 Aug	**Orientation & Topic Selection**	Briefing on paper format, scope, and expectations. Students select research topics in consultation with mentors.	Approved topic list
26 Aug – 5 Sep	**Literature Review Stage**	Collect and summarize existing research related to the topic.	Literature review draft
6 – 15 Sep	**Outline Submission**	Submit paper outline with objectives, methodology, and proposed sections.	Outline document
16 – 25 Sep	**Draft 1 Submission**	Initial draft including introduction, literature review, and methodology.	Draft 1
26 Sep – 5 Oct	**Feedback & Revision Stage 1**	Mentors review Draft 1 and provide feedback for improvement.	Annotated feedback report
6 – 15 Oct	**Draft 2 Submission**	Revised draft including partial results/discussion.	Draft 2
16 – 25 Oct	**Feedback & Revision Stage 2**	Second round of mentor review and corrections.	Refined draft
26 Oct – 5 Nov	**Final Draft Preparation**	Incorporate all feedback, finalize formatting, citations, and proofreading.	Final draft
6 – 10 Nov	**Final Submission**	Submission of complete, mentor-approved paper.	Final research paper

1) **Revenue Generation through Research and Development:**

- Develop and commercialize student/faculty innovations in collaboration with industry partners/ govt. funding agencies (e.g. **DST, MTTS**)
- Host fee-based workshops, certificate courses, and collaborative projects with industries and NGOs.

Innovation and Entrepreneurship

1. **Patents (Targets):**
    - **Faculty Target:** At least 4-5 **patent filings per eligible faculty** for one academic year related to innovations in mathematical modeling,scientific ideas, scientific computing, or interdisciplinary tools.

- **Student Target:** Encourage **final-year and PG students** to file **1–2 innovation-based patents** annually under faculty mentorship.
- Conduct regular IPR awareness sessions and patent filing workshops.

2. **Start-Ups (Targets):**
   - **Target:** Support the establishment of **1–2 student-led or faculty-mentored start-ups** per year, particularly in EduTech, Data Analytics, AI-based problem-solving, or scientific simulation.
   - Promote entrepreneurship through ideation contests, business model canvassing, and mentorship under **MathTech Thinking Foundation** and **BFGI Innovation Cell**.
   - Link promising ideas to incubation centers for funding and scaling.
3. **Students Participation in Project Pulse 3.0 (Targets):**
   - **Target: 10-15 student teams** (4 student in each team) from UG/PG to participate with innovative project prototypes.
   - Organize internal *Mini Project Pulse* as a preparatory platform to shortlist best entries and enhance presentation and pitching skills.
4. **Students Participation in Smart India Hackathon (SIH) (Targets):**
   - **Target:** Ensure **2–3 project teams** from the department submit solutions to real-world SIH problem statements annually.
   - Guide students in team formation, problem understanding, solution design, and presentation.
   - Encourage collaboration with departments like Computer Science, Agriculture, and Environmental Science for multi-disciplinary teams.
5. **Students Participation in Code Vista (Targets):**
   - **Target:** At least **5-10 students** per year to take part in this coding and problem-solving contest.
   - Conduct pre-event departmental coding marathons using Python, MATLAB, or R to build competitive skills.
   - Identify high-performing students for advanced AI/ML or numerical computing challenges.

Industrial collaborations

1. **Number of New MoUs and Collaborations (Targets):**
    - **Target:** Sign at least **2–5 new MoUs per academic year** with nearby reputed industries, research institutions, analytics firms, EdTech companies, or data science start-ups.
    - Focus Areas:

      1) Data Analytics & AI Firms
      2) Research Laboratories
      3) EdTech and Scientific Software Companies
      4) Industries like Electronics components. Renewable Energy, Materials Science, and Applied Physics.

2. **Number of Activities Under Signed MoUs and Collaborations (Targets):**
    - **Target:** Conduct **2-3 activities per year** under active MoUs.
    - Activities may include:
        - Expert talks and industry lectures
        - Joint research or live projects
        - Industrial problem-solving contests
        - Technical workshops and internships
        - Faculty-industry interaction sessions
        - Field visits
        - Collaborative mini-projects
3. **Number of Industrial Training Programs (Targets):**
    - **Target:** Organize **2–3 industrial training programs** annually, either in collaboration with partner industries or as visits to operational facilities.

      Topics may include:

    - Summer industrial internships

- Week-long intensive lab training
- Exposure visits to industrial R&D units
- Training on software tools used in industry (MATLAB, Python, LaTeX, etc.)
- Physics-based solutions in manufacturing or material science

4. **Number of Students Participation in Industrial Training Programs (Targets):**
   - **Target:** At least 5**–10% of UG/PG students** to participate in industrial training, internships, or hands-on industrial exposure annually.
   - Maintain a training register with details of company, duration, mentor, and report submission.
5. **Number of Professors of Practice to be Appointed (Targets):**
   - **Target:** Appoint **1–2 Professors of Practice** per academic year from relevant industries or R&D sectors.
   - Roles of Professors of Practice:
     - Deliver practical and industry-focused modules
     - Guide student projects aligned with industrial applications
     - Build industry-institute bridge through consultancy and mentorship
     - Contribute to curriculum enhancement

Student satisfaction

1) Plan for Effective Implementation of TA (Teaching Assistant) System:

- Assign **senior students or academically strong students** as Teaching Assistants under faculty supervision.
- TAs will assist in tutorial sessions, doubt-clearing classes, and practical/lab support.
- A proper timetable will be prepared for TA sessions, integrated with weekly academic support.
- Maintain a record of TA performance and student attendance in TA-led sessions.
- Faculty to regularly review TA session effectiveness and provide necessary training.

2) Number of Meetings with TAs (Targets):

- **Target:** Minimum **2 meetings per month** with all active TAs to discuss challenges, student performance trends, and session planning.
- **Special meetings** during mid-semester and before end-semester exams for revision and support planning.

3) Plan for Effective Implementation of Mentor-Mentee System:

- Assign every student a faculty mentor at the beginning of the academic year.
- Maintain a **mentor diary** or digital record for each mentee, including academic, personal, and career-related guidance.
- Mentors will monitor attendance, academic performance, well-being, and encourage participation in extracurricular activities.
- Conduct **orientation sessions** for both mentors and mentees for effective relationship building.
- Special focus will be given to students with **low performance, high stress, or adjustment issues.**

4) Number of Meetings of Mentors with their Mentees (Targets):

- **Target:** At least **1 meeting per month per mentee group** (either one-on-one or group).
- Additional meetings before exams, placement drives, or project submissions.
- Maintain records of discussions, actions taken, and follow-up in mentor logs.

5) Method of Feedback and Grievance Redressal:

- Collect **anonymous feedback** from students twice a semester (mid-term and end-term) via **Google Forms** or ERP.
- **Feedback areas:** teaching quality, content delivery, lab/practical sessions, infrastructure, and TA effectiveness.
- Grievances (academic or personal) can be submitted via departmental **Grievance Redressal Form** (online/offline).
- A **Grievance Committee** comprising faculty, TA representatives, and one student member will meet monthly to address concerns.
- Resolution time: Within **7 working days** for minor issues, **15 days** for escalated matters.

6) Category-wise Meetings with Students (Targets):

- **Hostellers: One meeting per semester** to address hostel-related concerns and emotional well-being.
- **Out-of-state Students: One special meeting per semester** for cultural integration, travel support, and academic adjustment.
- **General Departmental Meetings: Two per semester** to discuss academic issues, upcoming events, student suggestions, and open Q&A with HOD and faculty.

Student Engagement

1. **Students' Participation in Various Clubs and Committees (Targets & Deadlines):**
    - **Target:** Ensure **95% active student participation** in at least one club or committee (academic, cultural, sports, innovation, environment, etc.) per academic year.
    - **Clubs/Committees:**
        - *Science Club* – for puzzles, quizzes, coding, and model making, for experiments, exhibitions, and journal discussions
        - *Cultural Club* – for art, debate, theatre activities and inter-college participation
        - *Environment Club* – for sustainability and environmental awareness activities
        - *Sports Club*- for active participation of students in different games and activities
        - *Innovation & Entrepreneurship Cell* – for ideation contests, business plan development
    - **Deadline for Enrollment:** Within the **first 3 weeks** of the academic session.
    - **Monthly Review:** Each club must organize **at least 1 activity per month** and submit a brief report to the department coordinator.
2. **Formation of Student Academic Committee (SAC):**
    - Constitute a **Student Academic Committee (SAC)** to ensure representation and voice of students in academic planning and quality assurance.
    - **Composition:**
        - 1 student representative per year (UG & PG)
        - 1 faculty coordinator (nominated by HOD)
    - **Roles & Responsibilities:**

        - Collect student feedback on teaching-learning, lab sessions, and academic support
        - Provide suggestions for curriculum improvement, exam readiness, and resource needs
        - Assist in organizing academic events like seminars, conferences, and competitions
    - **Meeting Frequency:** At least **once every two months**; minutes to be recorded and shared with the department.
    - **Selection Deadline: Within the first month** of the academic year through nomination or election.

Admission

1. Strategies for Involvement of BFSSS Students in Admissions

- **Hands-on Training Workshops:** Conducted and planned workshops to provide practical exposure and bridge the transition from school to higher education.
- **Exclusive Scholarships:** Special BFGI scholarships offered to BFSSS students to encourage their enrollment in UG/PG programs.

2. Strategies for Involvement of External Students in Admissions (UG/PG)

- **Outreach Workshops:** Organizing career-oriented and skill-building workshops for students from other schools and colleges to showcase academic excellence and infrastructure.
- **Diverse Scholarship Policies:**
    - *Merit-Based Scholarships*
    - *Early Admission Benefits*
    - *Applied Learning Incentives*
    - *Earn While Learn Scheme*

3. Strategies for Enhancement of Student Conversion

- **Fee Concessions and Benefits:** Providing conversion incentives such as tuition fee discounts for early applicants or top performers.
- **Skill-Driven Initiatives:**
    - Access to *Applied Learning Programs*
    - Participation in *Live Projects* and *Pulse Project*
    - Exposure through *National Conferences*
    - Opportunity to work under *Earn While Learn* schemes

4. Strategies for Involvement of Existing BFGI Students to Enhance Admissions

- **Referral Reward System:**
    - Students provide references and earn points.
    - Earned points can be redeemed as participation fees for intra- and inter-college events.
- **Student PR Team:**
    - Selected students are involved in the BFGI PR and branding team.
    - They actively contribute to awareness campaigns and promotional activities, showcasing BFGI's strengths through peer interaction and digital outreach.

Community Engagement

S.No.	Program Name	Activity Description	Target Community	Expected Outcome
1	**Science on Wheels**	UG students visit nearby schools with simple experiments & demonstrations.	School students	Builds curiosity and strengthens outreach.
2	**Eco-Drive Campaign**	Awareness drives on waste segregation, plastic reduction, and tree plantation.	Local residents & schools	Promotes environmental responsibility.
3	**Health & Hygiene Awareness**	Sessions on nutrition, personal hygiene, and clean water importance.	Villages & school children	Improved awareness of health practices.
4	**Digital Literacy Workshops**	Training on safe internet use, basic coding, and MS Office skills.	School students & community youth	Bridges digital gap and skill-building.
5	**Citizen Science Project**	Collecting data on air quality, local biodiversity, or weather monitoring.	Local community	Community involvement in research.
6	**Community Science Fair**	Exhibition of UG students' projects, models, and posters open to the public.	Parents, schools, residents	Community exposure to innovations.
7	**Mathematics & Logic Quiz**	Fun quizzes and puzzle-solving sessions for school children.	School students	Enhances problem-solving & critical thinking.
8	**Clean Campus–Clean Community**	UG students lead cleanliness & waste collection drives in nearby areas.	Campus + local community	Improved sanitation & civic sense.

Student Progression

Sr. No.	Program Name	Number of final year students	Placement Targets	Higher Education Targets	Competitive Study	Placements in BFGI Targets	Entrepreneur/ Startups/Self Employment Targets
1	B.Sc. Non Medical	45	10%	50-70%	20%	2-3%	5%
2	B.Sc. Hons Math	19	10%	60-70%	20%	2-3%	5%

1. Efforts for the placement of students in BFGI
2. Efforts for the career guidance and counseling of students

1. Efforts for the Placement of Students Industry-Oriented Training:

- Organize pre-placement training sessions (resume writing, interview skills, aptitude training).
- Placement Drives: Collaborate with reputed companies for on-campus/off-campus placement drives.
- Skill-Based Certification Courses: Provide domain-specific certifications in programming, data analysis, electronics, etc.
- **LinkedIn Profile Building Workshops**: To enhance students' online professional presence.

2. Efforts for the Higher Education of Students:

- Partner with reputed coaching institutes or run in-house support programs.
- Workshops on Research Methodology: Especially for PG students to build research aptitude.

3. Efforts for the Competitive Study of Students

- Discuss about MOU with Arora Classes along with regular studies.
- Encourage peer learning and resource sharing.

- General Studies and Current Affairs Sessions: Weekly classes to build exam awareness.
- Mentorship from Qualified Faculty: Personalized academic and exam guidance.

4. Efforts for Self-Employment / Startups / Entrepreneurship Entrepreneurship of students

- Motivate students to participate in workshops, startup bootcamps, and pitch sessions.
- Innovation Projects & Prototype Support: Help students convert ideas into prototypes.
- Linkages with Incubation Centres: Provide platform to showcase business ideas.
- Financial Literacy & Business Plan Workshops: Teach essentials of self-employment.

5. Efforts for the Placement of Students in BFGI Internal

- Job Openings Awareness: Notify students about technical, academic, and administrative roles in BFGI.
- Teaching Assistant ships for PG Students: Train M.Sc. students for teaching-related roles.
- Research & Lab Assistant Positions: Offer final-year students part-time roles in labs and research projects.
- Internships within BFGI Departments: Encourage in-house experience building.

6. Efforts for Career Guidance and Counseling of Students Career Counseling Cell:

- Regular one-to-one sessions for career mapping.
- Psychological Counseling Support: Address stress, exam anxiety, and personal concerns.
- Guest Talks by Industry Experts & Alumni: Showcase diverse career trajectories.

Faculty Capacity Building

Sr No	Department Name	Total Faculty	Targets of faculty involvement in FDPs	Targets of faculty involvement in MOOCs	Targets of faculty involvement in Trainings	Targets of faculty involvement in workshops/ conference	Targets of faculty involvement in refresher/ orientation
1.	Department of Physical and Mathematical Sciences	23	100%	80-90%	50%	100%	100%

Note: All the above mentioned targets should be taken as per the department requirement for academic excellence and skill enhancement

Co-Curricular and Technical Clubs

Sr No	**Name of Technical/ Co-Curricular**	**Number of students participation**	**Number of activities**
1.	Enviorment Club	50	2
2.	Theatre Club	30-40	2
3.	Music Club	25-30	2
4.	Dance Club	40-50	2
5.	Fine Art Club	20	2
6.	Science Club	150	4
7.	PR Club	15	
8.	Placement cell	10	

Alumni Connect

1. Number of Alumni Connect Program:- 2
2. Strategies and targets: To Identify and Engage Prominent Alumni

S.No.	Identification	Engagement
1.	Use LinkedIn and social media platforms to track successful alumni	Invite alumni for guest lectures, webinars, and panel discussions
2.	Analyze placement records and university results for top performers	Involve alumni in annual fests, alumni meets, and placement drives
3.	Seek referrals from faculty, staff, and current students	Launch alumni mentorship programs for student guidance

3. Alumni Meet and Convocation

S.no.	Component	Strategy/Activity	Objective	Annual Target
1.	Alumni Meet	Organize annual Alumni Meet at department Level	Strengthen alumni relationships and networking	1–2 events per academic year
2.	Alumni interaction	Include cultural events, awards, and interactive sessions	Encourage emotional connection and active participation	50+ alumni participation
3.	Convocation	Conduct annual convocation ceremony for graduating batches	Celebrate academic achievements and institutional pride	1 convocation per year

Evaluation

1. Internal Evaluation Criteria

Sr. No.	MST	Behaviour	Research Paper/ Live Project	Attendences	Assignment	Extra Cirrculam Participation	Presentation
1	20 Marks	20 Marks	20 Marks	10 Marks	10 Marks	10 Marks	10 Marks

2. Number of Quiz tests through EDUMARSHAL: 2 per Subject

Applied Learning and Earn While Learn

Sr No	Name of Program	Number of students allowed under applied learning policy	Number of students benefitted under Earn While Learn Policy	Targets of students to be benefitted under Earn While Learn Policy
1.	M.Sc. Mathematics	2	-	3
2.	M.Sc Physics	3	-	4

Feedbacks and Grievance Redressal

1. Student 360 degree feedback
2. TA feedback for faculty
3. Student feedback for TAs
4. Grievance Redressal through EduMarshal
5. Grievance Redressal through Google Form
6. Grievance Redressal Mechanism

Note:- All above mentioned points to be performed by Principals. Department heads should focus on action taking plan.

1. **Feedback of faculty should be taken from all class students rather than TA's because**

1. TAs do not fully represent the learning experience of the entire students

2. TAs may not attend all lectures or practicals and miss issues like clarity, pace, or engagement.

3. Personal relationships with faculty (positive or negative) can skew feedback.

4. Feedback from average or weaker students—who often face the most difficulties—is lost.

5. Students come from varied backgrounds and learning styles—this diversity is not captured through TA's alone.

2. Grievance Redressal Process

Grievance Submission

1. **Methods:**

- Online grievance portal through Edu Marshal
- Online grievance portal through google form
- Written application to Head of Department (HOD) or Grievance Committee
- Drop-box for anonymous complaints

2. Acknowledgment

- Student receives a confirmation from Mentor that their complaint has been received.

3. Initial Review

- Complaint is screened by the **Student Grievance Redressal Cell** or faculty committee.

- If informal resolution is possible, it is attempted first by mentor

4. Formal Hearing / Investigation

- If not resolved, a formal meeting is arranged with the HOD of concerned department.

5. Decision & Resolution

- After formal meeting with HOD, a decision is made and the student is informed.
- Resolutions may include counseling, faculty direction, course correction, apology, or administrative action.

Digital Advancement and Learning

Total Number of Rooms:11

Total Number of Projectors:3

1. Strategies to provide digital content for students through SWAYM/NPTEL etc.

1.	Curriculum Integration	Align NPTEL/SWAYAM courses with university curriculum as credit-based or add-on courses	Minimum 1 course per semester
2.	Dedicated Digital Learning Cell	Establish a departmental cell for coordinating and promoting online leaning	Active support for enrollment and tracking
3.	Incentives for Completion	Offer recognition/certificates, awards, or bonus marks for successful course completion	Increase completion rate by 25% annually

2. List of subjects to be aligned with any MOOC on SWAYM/NPTEL etc. Portal

Sr. No.	List Of Subjects
1.	Electrodynamics
2.	Calculus
3.	Digital Electronics
4.	Organic Chemistry

3. Strategies for sharing of various online resources to students for flip learning

S.No.	Strategy	Description	Expected Outcome

S.No.	Strategy	Description	Expected Outcome
1	**Use of ERP (EDUMARSHAL) Platforms**	Upload videos, PDFs, assignments, and quizzes prior to classroom sessions	Centralized and timely access to learning materials
2	**WhatsApp Broadcast Groups**	Send quick links, reminders, and updates related to online resources	Better reach and real-time communication
3	**Departmental Resource Repository (Google Drive/OneDrive)**	Store e-books, video lectures, PPTs, and notes in shared folders	24/7 student access to structured resources

4. Targets to engage students through virtual labs/simulation

Sr.No.	Activity AREA	Target	Expected outcome
1.	Virtual Lab Sessions per Semester	Minimum 2 **virtual lab sessions** per course	Improved conceptual clarity and lab skill enhancement
2.	Courses Utilizing Virtual Labs	Integrate virtual labs in at least **4 core subjects**	Wider adoption of simulation-based learning

PR Initiatives

1. Number of students to be participated in PR club :05
2. Video/Written testimonials of Alumni :05
3. Testimonials of Current students :05
4. Strategies to update our institute website by sharing departmental USPs/Activities/Achievements:

- **Dedicated Department Pages:**

Create or update individual pages showcasing USPs, faculty, labs, and student success stories.

- **Real-Time Event Highlights:**

Upload photos, videos, and summaries of departmental activities within 2-3 days of the event.

- **Achievement Showcase Section:**

Add a dedicated section for student and faculty achievements (awards, publications, placements).

5. Strategies to share all social media posts among each students and staff

1. **WhatsApp Broadcast Groups:**

Create official broadcast groups for quick sharing of posts and updates.

2. **Class Representatives :**

Assign TAs to circulate posts in their respective class groups regularly.

Consultancy

1. Number of consultancy projects (Targets and Strategies)

Aspect	Details
Target	Minimum 1-2 consultancy projects per department per year
Strategy 1	Identify local industry needs and offer expert solutions
Strategy 2	Promote faculty expertise through brochures/website
Strategy 3	Sign MOUs with industries and research organizations
Strategy 4	Offer incentives for faculty involved in consultancy

2. Revenue Generation through consultancy (Targets)

Annual Revenue per department	50,000 to 1,00,000
Faculty Incentive allocation	20-30 % share of earned revenue to faculty

Unique Academic Practices

The Department of Physical and Mathematical sciences consistently strives for academic excellence through a blend of innovative teaching methodologies, interdisciplinary collaboration, and student-centred learning approaches. Some of our unique academic practices include:

1. Research-Oriented Projects

I. PG Students are encouraged to take up guided mini-research projects, lab innovations, and computational modeling.

i. Final-year UG students encouraged to present their project outcomes in internal hecathon and inter-college conferences.

2. Skill-Based Workshops and Hands-On Training

- Regular workshops on scientific programming (Python, MATLAB), data analysis, and lab safety are organized.
- Lab sessions emphasize instrument handling, accurate reporting, and interdisciplinary experimental design.

3. Use of ICT in Teaching

- Smart boards, virtual lab simulations (Physics, chemistry practicals at amrita Virtual lab) , online quizzes, and learning management systems (LMS) like Google Classroom are actively used.
- Recorded lectures and topic-wise digital resources are shared for flipped-classroom learning

4. Community Science Outreach

- Department organizes "Science Day", exhibitions, and school-level awareness programs to popularize basic science.
- Faculty and students engage with the local community through simplified science demonstrations.

5. Assessment Beyond Examinations

- Student evaluation includes seminar presentations, group discussions, open-book tests, and problem-solving quizzes.
- Lab record assessments include innovation and accuracy scores.

6. Integrated Interdisciplinary Learning/ cross department work

- We design and deliver modules that bridge concepts across physics, chemistry, and mathematics to develop a holistic scientific outlook among students.
- Problem-solving sessions involve real-life case studies requiring knowledge from all three disciplines.
- Patent publications including cross department faculty
- Resaerch paper publications min 2.

7. Bridge Courses and Remedial Classes

- Custom-designed bridge courses for non-math/weak-background students to bring them up to speed.
- Remedial classes conducted for academically weaker students, followed by one-on-one mentoring.

Cross Department Collaboration

I. Intra-Department Collaborations (Physics, Chemistry & Mathematics)

1.**Integrated Lab Modules**

- Develop combined lab sessions involving physical chemistry, mathematical modeling, and physics experiments. Example: Thermodynamics lab using calculus-based modeling.

2. **Joint Research and Projects**

- Encourage student-led research that applies concepts from all three domains (e.g., quantum mechanics & differential equations in chemistry).

3.**Interdisciplinary Faculty Teams**

- Co-teaching and evaluation for topics like Mathematical Physics, BioPhysics, Chemical Kinetics, Reaction Dynamics etc. through ADMIRE.

Value Based Education

1. Planning of Lectures of Ms. Navninder Dhillon, Dean MEC, BFGI
2. .Planning of Lectures of IKS

Note: All above mentioned points will be performed centralized. HODs have to provide slots for these lectures.

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DARPAN

REFLECTION OF SCHOOL OF COMPUTER APPLICATIONS

2025-26

PLANNING AND STRATEGIES FOR ENHANCING ACADEMICS, RESEARCH AND STUDENT SATISFACTION



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Vision

To be a center of excellence in computer education and research, producing competent professionals with strong technical skills, ethical values, and a commitment to lifelong learning to meet global challenges in the field of Information Technology.

Mission

1. To impart **quality education** in the field of Computer Applications through a well-structured curriculum, practical learning, and industry exposure.
2. To **enhance analytical, programming, and problem-solving skills** through hands-on training and real-world project work.
3. To inculcate **professional ethics**, effective communication, and teamwork among students to serve the society and industry responsibly.
4. To promote a **research-oriented mindset** and encourage innovation, entrepreneurship, and lifelong learning.
5. To build strong industry-academia collaboration for **internships, placements, and skill development**.

Objectives

- To develop graduates with a solid foundation in **Computer Applications, Software Development, and IT Infrastructure**.
- To bridge the gap between **theory and practice** through well-equipped computer laboratories and project-based learning.
- To prepare students for **careers in software industry, research, government, and entrepreneurship**.
- To encourage students to pursue **higher education, certifications, and competitive exams** in the field of Computer Science and IT.
- To regularly update the curriculum and teaching methodologies based on **emerging technologies and industry trends**.
- To cultivate **ethical, responsible, and socially aware IT professionals**.

About School of Computer Application

Programs

Sr No	Name of Program	Number of students	Sections	Non Teaching Staff	No. of Lecture Halls	No. of Labs
1.	BCA	1163	16	06	13	13
2	MCA	80	2			
3.	PGDCA	25	1			
		1300	**19**	**06**	**13**	**13**

Administrative Support

Name	Designation	Role
Dr Amandeep Singh	HoD	BCA I
Ms. Jaspreet Kaur	HoD	BCA II, III, MCA, PGDCA
Dr. Pardeep Mittal	Associate Dean	Skill Development, Research, Entrepreneurship
Mr. Navdeep Kochhar	Associate Dean	Admission, PR, Scholarships

Faculty

Sr No	Name of Department	Number of Teaching Faculty	Number of NET Qualified	Number of Ph.D
1	**Computer Applications**	29	3	6

Academic Excellence

1. **Adoption of Student Oriented Strategies for Teaching Learning**
2. **Strategy for Improvement in Results and Clearing the Reappers**
3. **Strategy for Improvement in Lab Work**

Student Categorization Based on their Academic Performance and Action Plan for each Category

On the Basis of the academic performance of the students, each mentor will categorise the students in 4 different categories

A. **Achievers**
B. **Performers**
C. **Strivers**
D. **Learners**

All the faculty members are advised to make put their efforts for the skill and academic performance of the students as per their capacity. Action plan for each category is defined below.

A. Achievers

Profile: Consistently excellent academic performers; **high potential for university ranks.**
Goal: Enhance academic excellence and encourage participation in advanced academic and extracurricular activities.

Teaching Methodologies:

- **Flipped Classroom** – Pre-reading and discussion-based sessions
- **Project-Based Learning (PBL)** – Engage in mini research and innovation projects
- **Peer Teaching** – Involve in helping Students of Learners and Strivers

Action Plan:

- Assign **department-level responsibilities** (tutoring, mentoring peers)
- Enroll in **MOOCs / NPTEL courses** for advanced learning
- Nominate for **academic clubs, leadership roles, seminars, webinars**
- Recommend participation in **conferences**, innovation expos, etc.
- Involve them in Skill based programs as lead role.
- Provide material for more concept clearance
- Regular Meeting with the Head and Principal to check the performance

B. Performers

Profile: Above-average students with strong potential and consistent performance.
Goal: Guide toward excellence and broader academic engagement.

Teaching Methodologies:

- **Class Presentations**
- **Assignments with Analytical Thinking**
- Flipped Classroom

Action Plan:

- Include in **academic and departmental committees**
- Assign **team leadership roles** in class projects and activities
- Provide **career counseling** and exposure to **higher study options**
- Organize **mock tests and advanced practice papers**
- Encourage participation in **academic fests, debates, and science fairs**

C. Strivers

Profile: Students with average performance who show willingness to improve.
Goal: Strengthen foundational understanding, boost confidence, and prepare them to move toward the Performer category.

Teaching Methodologies:

- **Remedial Teaching** – Focused revision of difficult units
- **Peer Group Learning** – Pairing with Achievers or Performers

Action Plan:

- Conduct **weekly revision sessions** and **concept recap quizzes**
- Provide **personalized worksheets** and **question banks**
- Assign **mentors** from among faculty or high-performing students
- Focus on **exam writing skills**: time management, presentation, keywords
- Arrange **extra classes** before internal and university exams

D. Learners

Profile: Students at risk of failing; require urgent academic intervention and continuous monitoring.
Goal: Prevent failure, build confidence, and ensure minimum pass marks.

Teaching Methodologies:

- **Direct Instruction** – Step-by-step explanation of concepts
- **Simplified Content Delivery** – Use of vernacular, visuals, and summaries
- **Micro-Teaching / One-on-One Attention** – Personal guidance
- **Peer Learning** – Connect them with Achievers

Action Plan:

- Prepare and provide **easy-to-follow notes**, **highlighted important questions**
- Conduct **regular remedial classes**
- Organize **exam-focused crash courses** before internals and finals
- Conduct **mock tests** under exam conditions with detailed feedback
- Arrange **motivational talks** and **counseling sessions** for emotional support

Targets :

With the above strategy we are taking following target for Results

a. Target for University Positions : **03**

b. **70%** University Results, Which was around 56% in the last Semester

Strategies for clearance of all reappears of students

The university result of BCA students for their **1st semester examinations** reflects the following performance insights.

Key Insights

- **55.9%** students (227 out of 406) have **cleared all subjects**.
- **33.7%** students (137) have **1 or 2 backlogs** and can be supported with remedial/reappear strategies.
- **10.3%** students (42) have **3 or more backlogs**, indicating a need for more targeted academic intervention.

Actions Plan

For 1–2 Supply Students:

- Conduct **focused remedial classes** and **mock tests**.
- Assign **faculty mentors** to help them clear in the next attempt.

For 3 or More Supply Students:

- Prepare **individual improvement plans**.
- Schedule **intensive revision sessions**, weekend classes.
- Offer **counselling support** for academic stress or motivation issues.

Monitoring & Evaluation

- All the reappear students will be assigned to the faculty who was teaching to them during their regular classes of that particular semester. It will be the responsibility of the concerned teacher to put extra efforts for them. **Students who will clear the Re-appear will be counted in the main result of faculty for the evaluation purpose.**

Target:

To clear the Re-appears of all the students

Effective Implementation of Practical Labs in College

Objective

To ensure a structured, engaging, and rigorous approach to practical learning, this policy outlines key practices for the effective execution of practical labs. The aim is to enhance students' hands-on experience, improve continuous assessment, and maintain a high standard of learning outcomes.

---

1. Internal VIVA for Each Practical

- **Policy:** At least one Internal VIVA will be conducted for each practical during the semester to assess the student's understanding, application, and retention of practical knowledge.
- **Implementation:** Internal VIVAs will focus on evaluating theoretical concepts related to the practical work, problem-solving skills, and the ability to apply knowledge in practical scenarios.

2. Internal VIVA Conducted by Faculty Other than the Subject Teacher

- **Policy:** Internal VIVAs will not be conducted by the subject teacher to ensure impartiality and to provide students with varied perspectives on their practical knowledge.
- **Implementation:** HoD will designate another faculty member within the department or an external examiner to conduct the Internal VIVA for the students.
- Marks obtained in the Internal VIVA will be discussed with students and also will be recorded in Continuous Evaluation Performa

3. Inclusion of Live Projects in Each Practical Course

- **Policy:** To ensure that students are learning practically, each teacher is required to ensure that at least one LIVE Project is prepared for each practical course during the semester.
- **Implementation:** Live Projects should reflect real-world applications or at least reflect the learning of the student in that particular subject and must align with the practical concepts being taught. The project will help students develop problem-solving skills and gain exposure to industry practices. Course teacher will scrutinize the final Live Project after checking all the projects.

5. **Project Presentation at the End of the Semester**

- **Policy:** At the end of the semester, each teacher will present the project that they have prepared for **Project Pulse 3.0**.
- **Implementation:** All faculty members must submit and present the live projects they have incorporated into their practical labs during **Project Pulse 3.0**, a showcase event for practical learning.

6. Mandatory Continuous Evaluation Performa for Practical Labs

- **Policy:** A formal Performa for continuous evaluation of practical work is mandatory for each lab.
- **Implementation:** Teachers will maintain the continuous evaluation Performa that documents the progress of each student's practical work, including attendance, project milestones, internal viva results, and overall performance.
- Heads will ensure that this Performa is filled and will check it monthly. All the performs will be reviewed by the principal during regular lab visits. **Any kind of discrepancy or formality will be taken seriously.**
- Continuous assessment, including viva results, project progress, lab performance, and attendance, will determine the marks awarded. The subject teacher will ensure consistency and transparency in the evaluation process, adhering strictly to the Performa.

8. Attendance Requirement for Practical Labs

- **Policy:** Students must maintain a minimum attendance of 75% in practical labs to be eligible for practical assessments and to avoid detention.
- **Implementation:** Teachers will closely monitor attendance in each lab session. Students with attendance below 75% will be notified in advance and will be barred from participating in practical assessments.
- **Rule of Struck off the students from college will be implemented on Practical Subjects as well.**

9. Practical Lectures Observation

- Observation of Practical Labs will be done by the authorised person on regular basis.
- Observation will be based on the practical performance of students in the labs out of concepts completed by the concerned faculty till date.
- Observation report will be filled by the authorised person in the google form.
- Corrective Actions will be initiated by the Head on the basis of observation, if required.
- A continuous poor performance in the labs will lead to administrative action against the concerned faculty member.

10. Alternative to the Creating Practical Files

- Problem Solving Assignments
- Critical thinking level Quiz
- A brief Project Report based on the Lab Work
- Learning Diaries:
    - What they Learned
    - What Challanges they Faced
    - How they Solved it

11. Challenges to the Achievers and Performers during Labs

It is expected that Achievers and Performers will complete their regular assigned tasks in the labs within very less time. In that case they will be free. So their skill can be utilized in the following ways.

1. They sjould be made responsible for clearing the doubts of their TA Group members in the lab. This will encourage the Peer Learning Practice.
2. Some projects can be assigned to those students under Project based learning.

Additional Guidelines:

1. **Documentation & Record Keeping:** Teachers will ensure all practical records, including completed projects, evaluations, and attendances, are documented and filed according to college guidelines for future reference.

2. **Student Support:** Faculty will provide necessary resources and guidance to students to ensure successful completion of their projects and practical work. Students are encouraged to seek assistance during office hours if needed.

Regular Monitoring: The department head will regularly monitor the implementation of this policy and assess its effectiveness in achieving desired outcomes. Feedback will be solicited from students and faculty to continually improve the practical learning experience.

Student Skill Enhancement

School of Computer Applications is going to establish **Skill Development & Digital Literacy Centre (SDDLC) with the following objectives.**

1. **Enhance Career-Oriented Skills** – Provide students with industry-relevant technical and soft skills to improve their employability and career prospects.
2. **Build Digital Competence** – Equip students with essential digital literacy skills, including AI, ML, Data Analytical, Programming, Basic Computational and Communication tools.
3. **Promote Innovation & Entrepreneurship** – Encourage students to apply their skills in innovative projects and entrepreneurial ventures, fostering self-reliance and creativity.
4. **Bridge Academia–Industry Gap** – Offer training programs aligned with current industry requirements to prepare students for internships, placements, and professional roles.
5. **Integrate Research and Development in Skill Training** – Engage students in applied research projects related to skill development and digital technology, enabling them to contribute to problem-solving, innovation, and knowledge creation.

With the above objectives we will be starting the following initiatives in two different phases

Phase 1:

1. Specialised Skill Programs for BCA AI/ML and BCA Graphic Designing
2. Skill Programs for all the Students of Computer Application
3. Workshops, Seminars, Expert Talks and Skill Activities for Students
4. Skill Programs for Society under “IT For Society”
5. IT Awareness Programs for Students of Schools

Phase 2:

1. Skill Programs for all the students of BFGI (Non-Computer Background)

Skill Programs for Specializations

BCA(AI/ML) and Graphic and Web Design

Program	Sem.	Title of Event	Duration	Remarks
BCA(AIML)	1st	Exploring Artificial Intelligence: A Beginner's Journey	5 Hours	
BCA(AIML)	2nd	ML Basics for Beginners	5 Hours	
BCA(AIML)	3rd	Think Like AI: Learn Python	3 Classes in a week	This Will be taken by the Student Intern
BCA(AIML)	4th	Machine Learning	3 Classes in a week	
BCA (Graphics & Web Designing)	1st	Graphic & Web Design Essentials	5 Hours	
BCA (Graphics & Web Designing)	2nd	Front2Back Web Toolkit	5 Hours	

Skill Programs Open for all the Students of Computer Applications

Sr. No.	Title of Certificate Course	Duration	Remarks
1	Think AI, Code Python	30 Hrs	By Student Intern
2	Site Makers -Let's Design the Web!	30 Hrs	
3.	Design Spark-Start with Graphics Design	30 Hrs	By Student Intern
4.	Mobile Application Development	30 Hrs	By Student Intern
5.	Office Ezy	30 Hrs	By Lab Assistants

Activities under Skill Development & Digital Literacy Centre (SDDLC)

Workshops from the Industry

A project Oriented Workshop from the industry will be organized at the end of ODD semester for Students of BCA Specialized Programs.

Workshops for All other Students of Computer Applications

Training Workshops will be planned for all the students of CA at the end of ODD semester by the Student Interns and Faculty.

Industrial Connect Program

At least 5-8 Industries will be identified, which can be collaborated for internships, Trainings and skill Programs and students will be visited there. (One Such Proposal is already received and planned)

IT Fest 2025

This will be the Annual Event of the School of Computer Applications (Details following pages)

Tech-Talk

Expert from the collaborating companies and other sources will be called for the Tech-Talk Program. **Minimum 5 Such Programs** will be organized. participation can be from :

- Software Development Companies
- Start ups
- Alumni

Tech-Connect

A meet will be organized with technology startups and software companies to bring their ideas into common platform. Minimum 8-10 such companies will be on target.

Centre of Excellence for Data Analytics

We are trying to collaborate with the industry and centres for Centre of Excellence for Data Analytics.

Targets of SDDLC

Target	Number
Collaboration with Industry	5-8
Participation in Tech- Talk	5
Participation in Tech – Connect	8-10
Participation of Students in Code-Vista	10
Participation in Project Pulse 3.0	25
Number of Students in SDDLC	25 (Which is 7 right now)

IT Fest 2025

Keeping in view the diverse student audience, the events have been **strategically categorized into two levels** — *School-Level* and *College UG-Level*, and further opened to both **internal and external** participants, wherever feasible.

Categorization of Events – IT Fest 2025 (First Week of November 2025)

Category A: Events for School-Level Students *(Internal + External)*

1. **Tech Whiz** – IT Quiz
2. **Poster Verse** – Poster Making Competition
3. **Speak Up** – Speech Competition
4. **Tech Tambola** – IT-Themed Tambola Game
5. **Reel It Now (Junior)** – Reels Creation
6. **Pixel Perfect (Junior)** – Photography Competition
7. **Slide Xpress** – PPT Presentation

   & can be added more.

Category B: Events for College UG-Level Students *(Internal + External)*

1. **Code Master** – Coding Competition
2. **Bug Hunter** – Debugging Challenge
3. **Idea Spark** – Idea Generation & Pitch
4. **Project Pulse** – Project Exhibition
5. **Slide Xpress** – PPT Presentation
6. **Certi Talks** – Workshops/Seminars (with Certificates)
7. **Reel It Now (Senior)** – Reels Creation
8. **Pixel Perfect (Senior)** – Photography Competition
9. **Code & Crawl** – Hurdle Games (Tech + Physical Challenge)

Can be added more.

Open for All Participants & Visitors (School + College)

- **Digital Shops**: Exhibition of student-developed tech products/services
- **Food Stalls**: For recreation, networking, and refreshment

Research and Development

Vision

To cultivate a culture of innovation, inquiry, and collaboration among students and faculty by promoting research and development in the field of computer applications.

Objectives:

1. To promote research-oriented thinking among students and faculty.
2. To support paper writing, publication, patent filing, and advanced studies.
3. To organize events and workshops that build research skills.
4. To track and support research progress through structured mentorship and review.

Activities:

1. Workshop by BFGI IPR Cell on Patent Filing & Publications
2. Workshop on How to Write and Publish a Research Paper
3. Timely Research Paper Review & Follow-up Meetings
4. One-to-One Faculty Counselling for Ph.D. Registration.

Priority

1. Appointment of Research Level Faculty in Computer Application for ADMIRE Team
2. Designating Department Mentor for Research and Development

Faculty Targets:

Total publication target : 25

- ***Patent Publication :2***
- ***Paper Publication in SCI journal :2***
- ***Paper publication in Scopus indexed/UGC journal :12***
- ***Book chapter publication :2***
- ***Paper publication in conference proceeding :14***

Students' targets:

Student involvement: 500

- ***Students' involvement in Patent Publication :10***
- ***Students' involvement in Scopus indexed Publication :20***
- ***Students involved in Peer reviewed journals Publication :80***
- ***Students' involvement in conference proceeding publications :500***

Action Plan till Dec 2025 (By Faculty)

Role	Research Targets
Faculty Members	Each Faculty Members Publish at least 1 Scopus-indexed paper/SCI paper /book chapter or book publication by December 2025
First-Year Mentors	Submit 5 papers per section to international conferences
Second-Year Mentors	Submit 5 papers to peer-reviewed journals and 1 Scopus-indexed paper
MCA First-Year Mentor	Submit 5 papers to international conferences
MCA Second-Year Mentor	Submit 5 papers to international conferences and 1 patent
PGDCA Mentor	Submit 2 papers in international conferences

BCA & PGDCA Timeline

Date	First year	Second year	Final Year	PGDCA
Aug 20, 2025	Identify and motivate interested students.			
Aug 22 ,2025	Organize a workshop on "How to Write and Submit Research Papers"			
Aug 25, 2025	Student will Finalize topics and mentor will assign tasks.			
Sep 10, 2025	Submission of first progress report of all papers by mentor			
Oct 10, 2025	Submission of Second progress report of all papers by mentor			
Oct 20, 2025	Paper submission in conference or journal by mentor			

MCA publication Timeline:

Date	Activity
August 15, 2025	Organize a lecture by BFGI IPR Cell on Patent publication
Aug 25, 2025	Student will Finalize topics and mentor will assign tasks.
Sep 10, 2025	Submission of first progress report of all papers by mentor
Oct 10, 2025	Submission of Second progress report of all papers by mentor
Oct 20, 2025	Paper submission in conference or journal of all by mentor

STUDENT PROGRESSION

A well structured program is designed for the early identification of interest of students and to accordingly plan their activities and preparations.

Objective of the program will be to systematically identify the aspirations and interests of students—whether in higher education, employment, entrepreneurship, or research—upon completion of their UG/PG programs, and to design and implement personalized guidance, training, and skill development plans that equip them to successfully achieve their chosen career or academic targets.

Action Plan

BCA 1st Year/MCA 1st Year

1. Career Guidance Sessions will be provided to all the first year students on different aspects and possibilities like Placements, Entrepreneurship, Competitive Studies, Higher Education.
2. These sessions will be majorly taken by the internal resources of BFGI
3. At the end of 1st Year (1st Semester for MCA), a comprehensive plan will be prepared to categorize the students in their interest group.
4. From 2nd Year / (2nd Semester for MCA) onwards students will be handed over to the respective coordinator for putting efforts on students as per their interest.
5. Each Coordinator/Department will prepare their plan according to number of students in the particular interest group.

For BCA 2nd Year/ MCA 2nd Year Students

Above Plan will be implemented from point no 3 Onwards. This will be completed by the end of August 2025.

For BCA 3rd Year

Program Name	Number of final year students	Placement Targets	Higher Education Targets	Competitive Study	Placements in BFGI Targets	Entrepreneur/ Startups/Self Employment Targets
BCA 3rd Year	155	50	25	25	4	10

Placements

Objective:

To establish a structured, industry-oriented approach that enhances student employability by fostering collaborations, imparting relevant skill-based training, and creating opportunities for internships and placements through strategic partnerships with industries and institutions.

Planned Activities / Strategy

Sr. No.	Category	Planning Activities	Timeline	Targets
1	**Placement**	Conduct pre-placement talks, aptitude sessions, resume-building workshops, mock interviews. Invite companies for campus recruitment through job fairs and virtual drives	**Quarterly (Sem)**	**After segregation. Approx. 20-30 Students**
2	**Training**	Organize technical training in programming, analytics, cloud, and cyber security, Web Designing etc.	Ongoing	**After segregation.**
3		Conduct soft skills training: communication, GD, personal interview skills	**Monthly**	**After segregation.**
4	**Internship**	Map students with domain-relevant internship opportunities through alumni and corporate contacts. Compulsory internship for final-year and 3rd Semester onwards students in core companies.	**Monthly**	**After segregation.**
5	**MoU Collaboration**	Sign MoUs with IT firms, startups, and domain-specific industries for training and project support.	**Semester-wise**	**Approx. 05-10**
6	**Industry Connection**	Organize industrial visits, expert lectures, and hackathons. Invite industry experts for curriculum advisory and mentoring.	**Semester-wise**	**Approx. 03-05**

All the faculty members will prepare a question bank for the technical questions for preparation of placement students.

Entrepreneurship

Vision

To foster an entrepreneurial mindset among students by promoting innovation, creativity, and real-world business exposure, enabling them to become job creators instead of job seekers.

Objectives

- To promote entrepreneurial thinking among students and develop a mindset geared towards innovation and self-employment.
- To expose students to real-world entrepreneurial challenges through activities, workshops, and interactions with successful entrepreneurs.
- To encourage students to develop and present business ideas using tools like the Business Model Canvas.
- To provide hands-on experience in solving problems through creative and business-oriented approaches.
- To build confidence and leadership skills through group tasks, contests, and presentation of projects.
- To motivate students to participate in competitions like Agri-Innovation and Project Pulse at institutional or inter-college levels.
- To support and mentor students with entrepreneurial potential towards forming their startups in future.

Activities

- ***Orientation Session –*** Introduction to entrepreneurship concepts and program overview.
- ***WhatsApp Group Formation –*** Dedicated group for updates and communication.
- ***Student Group Segregation –*** Teams based on interests like Tech, Agri, Finance, etc.
- ***Guest Lectures / Expert Sessions –*** Talks by successful entrepreneurs and alumni.
- ***Ideation Workshop –*** Brainstorming startup ideas.
- ***Business Model Canvas Training –*** Structuring and pitching business plans.
- ***Mini Projects / Case Studies –*** Solving real-world problems via entrepreneurship.
- ***Participation in Contests –*** Agri-Innovation, Project Pulse, institutional competitions.
- ***Startup Visit / Virtual Tour –*** Exposure to startup work culture (optional).
- ***Evaluation & Feedback –*** Progress review and future improvements.
- ***Recognition & Certificate Distribution –*** Appreciation for active participants.

Major Objective of Tech-Connect Program will also be on connecting the students with Startups through BFGI school of Entrepreneurship

Activity Plan Table

S. No.	Activity	Objective	Time Frame	Expected Outcome	Remarks
1	Orientation Workshop	Introduce students to entrepreneurship fundamentals	1st Week	Awareness of entrepreneurial mindset	With Entrepreneurship Dept.
2	WhatsApp Group Creation	Communication and updates	Day 1	Real-time coordination	Include mentors
3	Group Segregation	Form interest-based teams	Week 1	Focused entrepreneurial efforts	Based on student interests
4	Guest Talk	Inspiration from real entrepreneurs	Week 2	Motivation	Invite startup founders
5	Ideation Workshop	Generate startup ideas	Week 3	Innovative thinking	Faculty facilitated

Target:

- **Identification of 25-30 Students who has the potential and willingness in Entrepreneurship**
- **Initiate at least one startup program for the student of CA.**

Student Satisfaction and Engagement

Student Engagement

Effective and Transparent TA System

1. **Student-TA Ratio:**
    - The student-to-TA ratio should not exceed **1:6**. This ensures each TA can provide adequate attention and support to the students in their group. For those Programs where section strength is more than 60 Student to TA ration can be upto 1:8
2. **Composition of TA Groups:**

    All the mentors will ensure that each TA group should consist of students from all the categories, defined based on their academic level

    - **Achievers:** Students who has potential of Merit Positions
    - **Performers:** Students scoring marks between 70% to 85%
    - **Strivers:** Students between 50% to 70%
    - **Learners:** Students who need critical attention for clearing examination
    - FOR Ist Year Students TA Groups will be formed on the basis of 10+2 Results
        1. Achievers : More than 80%
        2. Performers : Between 70% to 80%
        3. Strivers : Between 60% to 70%
        4. Learners : Less than 60%
3. **Selection Criteria for Teaching Assistants:**
    - **Academic Excellence:** TAs should have a strong academic record in their respective fields, typically maintaining a GPA above a certain threshold.
    - **Communication Skills:** Excellent communication skills are essential for effectively assisting and mentoring fellow students.
    - **Leadership Qualities:** TAs should exhibit leadership qualities, such as initiative, responsibility, and the ability to guide and motivate peers.
    - **Interpersonal Skills:** They should be approachable, empathetic, and capable of building rapport with students and faculty.

- **Faculty Recommendations:** Consider recommendations from faculty members who have interacted with potential TAs in academic settings.

4. **Appointment Letters:**
    - Appointment letters should be formally issued to all TAs at the time of appointment. This document should outline their **duties, expectations, duration of appointment, and any other relevant terms of service.**
5. **Tagging of TA Groups on EduMarshal**: Mentors will ensure that their TA groups are tagged on EduMarshal. With this TAs can view the Profile and Basic Information of their group members.
6. **TA Change Policy:**
    - If a mentor feels a TA is not performing adequately during the session, they can propose a change. The Head of the Department (HOD), in consultation with the Head TA and other TAs, may decide to replace or reassign the underperforming TA after thorough discussion.
7. **Head TA in Each Section:**
    - There should be one **Head TA** assigned to each section. The Head TA will oversee and coordinate the work of the other TAs in the section, ensuring smooth functioning and timely execution of responsibilities.
8. **Primary Point of Contact for Students:**
    - Students should be encouraged to first approach their designated **group TA** for any issues, queries, or information related to the course or academic matters. TAs will act as the first point of contact before escalating issues to mentors or faculty members.
9. **Roles and Responsibilities of Teaching Assistants:**
    1. **Facilitate Classroom Activities:** Assist teachers in organizing and facilitating classroom activities, discussions, and group exercises.
    2. **Mentorship:** Provide one-on-one or group mentoring sessions to students, offering guidance on academic matters, study techniques, and time management.
    3. **Presentation Preparation:** Help students prepare presentations to improve their communication skills and enhance their understanding of course material.
    4. **Academic Support:** Offer additional academic support outside of regular class hours, such as holding review sessions or providing supplementary materials.

5. **Personalized Learning:** Identify individual learning needs and preferences among students, and provide tailored support to promote personalized learning.
6. **Feedback and Evaluation:** Provide constructive feedback on student presentations, assignments, and academic performance, aiming to facilitate improvement.
7. **Administrative Support:** Assist teachers with administrative tasks related to course management, such as grading assignments or organizing course materials.

10. **Formation of Student Academic Committee:**

A **Student Academic Committee** will be formed in each department, consisting of **all Head TAs**. The committee will plan academic-related activities such as certificate programs, project work, industrial visits, etc. This committee will directly report to the concerned Head of Department (HOD).

11. **Recognition of Best TA:**

At the end of every month, all Head TAs will nominate and declare the **Best TA** based on their performance, dedication, and successful completion of assigned tasks and targets. Heads will ensure that tasks for each month are assigned to TAs by 3rd of every month. **Best TA Badges will be given to the students.**

12. We need to evaluate the performance of TAs before and after designating them TA.

Student Clubs

Sr No	Name of Technical/ Co-Curricular	Number of students participation	Number of activities
1	IT Club	25	5
2	Research Club	20	3
3	Entrepreneurship Club	20	2
4	Placement Club	15	
5	Sports Club	100	Central Level
6	Cultural Club	100	Central Level
7	Student Examination Cell	20	
8	Industry Connect Cell	15	

9	PR Club	15	
10	Centre of Excellence- IT For Society	10	

Student Satisfaction

Effective Mentor-Mentee System

1. Double Mentor for First Year Classes
2. Weekly Mentorship Lecture will be part of Time Table
3. ***There will be pre-defined agenda for all the mentoring sessions. Declare Best Mentor on the basis of tasks assigned***
    a. **August** – Profile Updations, Fee, Baseline Data Collection
    b. **September** – MST Results, Participation in Skill Programs
    c. **October** – Participation in Activities,
    d. **November** – MST II Results
4. Record of all the mentors will be uploaded and updated in Mentor Mentee Module on Edumarshal.
5. Declare **Best Mentor** for the Semester on the basis of
    a. MST Results
    b. Participation of Students in Skill Activities
    c. Pending Fee Status
6. All the Critical cases will be shared by mentor to Centralised MEC through HOD and record for the same will be taken.

Effective Grievance Redressal and Feedback System

1. **Student 360 degree feedback** – Once in Each Semester
2. **TA feedback for faculty** – Once in Each Semester
4. **Grievance Redressal** through EduMarshal
5. **Grievance Redressal through Google Form** – Directly with the Principal
6. ***There will be regular meeting of Principal, Associate Deans and Heads with Classes***

All above-mentioned points to be performed by Principals. Department heads should focus on action taking plan. Action taken plan will be shared with the students through Mentors and TAs.

Faculty Capacity Building

Objective of capacity building initiatives will be to strengthen the pedagogical, technical, and research capabilities of Computer Application faculty by providing training in emerging technologies, innovative teaching practices, and industry-aligned skills, thereby enhancing the quality of education and student outcomes.

Action Plan

Senior Assistance & Academic Training for Higher Impact Program (SAATHI)

In order to enhance the academic readiness, pedagogical effectiveness, and institutional orientation of newly appointed faculty members, a structured Faculty Mentorship Program titled "SAATHI" - Senior Assistance & Academic Training for Higher Impact is hereby initiated.

Objectives of Program are:

1. Academic Orientation: To familiarize fresher teachers with institutional academic procedures, curriculum design, and effective delivery mechanisms.

2. Mentorship by Experienced Faculty: To provide structured guidance and academic support from experienced faculty members to help new teachers settle into their roles confidently.

3. Pedagogical Development: To enhance teaching skills by introducing innovative and effective pedagogical practices.

4. Professional Growth: To encourage continuous learning, ethical teaching practices, and professional conduct among new faculty.

5. Research Awareness: To nurture research aptitude by guiding fresher teachers in identifying research areas, paper writing, and publishing.

6. Institutional Integration: To help fresher teachers align with the vision, mission, and values of the institution through close engagement with senior mentors.

S.No	Faculty As Mentor	Faculty As Mentee
1	Ms. Jaspreet Kaur	Ms. Pawanpreet Kaur, Ms. Manveer Kaur
2	Ms. Sukhjinder Kaur	Mr. Subhash
3	Ms. Lakhwinder Kaur	Ms. Jyoti Kaur
4	Er. Amandeep kaur Ghai	Ms. Rajveer Kaur, Ms. Gursharan Kaur
5	Dr. Ramanpreet Kaur	Ms. Amandeep Kaur Brar, Ms. Rozy
6	Dr. Tejinder Singh	Ms. Mandeep Kaur
7	Ms. Ramandeep Kaur	Ms. Anjali
8	Ms. Ramandeep Kaur Rakhra	Ms. Sukhmandeep Kaur
9	Ms. Nitika	Ms. Pooja
10	Mr. Asish Middha	Mr. Amarjot Kaur
11	Ms. Gurleen Kaur	Dr. Kulwinder Singh

To ensure the effectiveness of the above-mentioned program and to achieve its defined objectives, the mentoring responsibilities undertaken by senior faculty members will be formally acknowledged and evaluated. The performance and progress of newly joined faculty members, as assessed through the faculty evaluation system, shall be integrated into the evaluation process of their respective mentors. This initiative aims to promote accountability, strengthen the mentoring relationship, and ensure meaningful academic development of fresher teachers under guided supervision.

LEAD Program – *Learn, Enhance, Apply, Deliver*

Skill Set	Teacher	Subject
Machine Learning	Ms. Sukhjinder Kaur	Computer
	Ms. Ramandeep Kaur	
Big Data (Hadoop, Spark, Hive)	Er. Amandeep Kaur Ghai	
	Dr. Ramanpreet Kaur	
	Ms. Ramandeep Rakhra	
Mobile Application Development	Ms. Manveer Kaur	
	Ms. Anjali	
	Ms. Lakhwinder Kaur	
Data Analytics in Python	Dr. Tejinder Singh	
	Mr. Ashish Middha	
	Mr. Amarjot Singh	
	Ms. Gurleen Kaur	
Data Analytics in R	Ms. Jyoti Kaur	
	Ms. Rajveer Kaur	
Data Analytics in Power BI, Advance Excel	Dr. Pardeep Mittal	
	Dr. Amandeep Singh	
	Er. Navdeep Kochhar	
	Ms. Jaspreet Kaur	
	Mr. Subash	
	Dr. Kulvinder Singh	
	Ms. Mandeep Kaur	
Data Analytical in Tableau, Microsoft Azure	Ms. Pawanpreet Kaur	
	Ms. Amandeep Kaur Brar	
Communication and Soft Skills	Ms. Rozi,	English
	Ms. Gursharan Kaur	
MATLAB	MS. Pooja	Mathematics
	Ms. Sukhmandeep Kaur	
	Er.Nitika	
Advance Networking Skills	Mr. Vishal Goyal,	Lab Assistants
	Mr. Yadwinder Singh	
IT for Society	Mr. Sukhpreet Singh	
Programming in C	Ms. Gurpreet Kaur	
	Mr. Ankush	

With the objective of student skill enhancement, it is mandatory to upgrade the faculty members with the latest technologies. Also this will make our team self reliant on the knowledge transfer to the students with minimum dependency on external sources. **Each Group will add 5-10 students for the**

same set of skill. Objective is to create a student team for skill initiatives.

Faculty Workshop

A 15 Days workshops will be organized in the month of December on

1. Technical Skills
2. Teaching Pedagogies

Faculty Targets

Total Faculty	involvement in FDPs	Learning New Skill	involvement in Trainings	involvement in workshops/ conference
29	29	29	29	29

Alumni Contact Program

1. Introduction

Alumni are valuable assets of any institution as they contribute to the growth, reputation, and networking opportunities for current students. Establishing an effective alumni contact system will:

- Strengthen the bond between alumni and the college.
- Facilitate mentorship, internships, and placement opportunities.
- Enhance the image of the college through successful alumni stories.

2. Objectives of Alumni Contact Program

- To create and maintain an updated alumni database.
- To establish communication channels with alumni for regular interaction.
- To organize alumni-oriented events such as reunions, webinars, and mentorship programs.
- To encourage alumni participation in college development activities and student career guidance.
- To create opportunities for professional networking for students and alumni.

3. Proposed Activities

1. **Formation of Alumni Committee:**
    - Faculty coordinator and student volunteers.
2. **Alumni Data Collection:**
    - Through Google Forms, LinkedIn, social media, and college records.
3. **Communication Channels:**
    - WhatsApp/Telegram groups, LinkedIn community, and college email newsletters.
4. **Alumni Engagement:**
    - Monthly online meetups or webinars.
    - Annual alumni reunion on-campus.
    - Guest lectures and mentorship programs.
5. **Alumni Recognition:**
    - Alumni Wall of Fame in the college.
    - Certificates and social media features for notable alumni.

4. Implementation Timeline

Phase	Activity
Phase 1	Form committee, prepare alumni form, start database creation
Phase 2	Launch communication channels, share newsletters, start registration drive
Phase 3	Conduct first virtual alumni meet and guest lecture
Phase 4	Organize annual alumni reunion and mentorship program

5. Expected Outcomes

- A comprehensive alumni database for future communication and collaborations.
- Increased alumni involvement in college activities.
- Improved student placement, training, and career guidance opportunities.
- Strengthened reputation of the college through alumni success stories.

6. Requirements

- Approval from college management to initiate the program.
- Official email ID or webpage for alumni registration.
- Minimal budget for communication, event organization, and certificate printing.

Digital Advancement and Learning

Total Number of Rooms: **13**

Total Number of Labs: **13**

Total Number of Projectors: **26**

1. **Strategies to provide digital content for students through SWAYM/NPTEL etc**.
    - All the Students will be sharing the SWAYAM/NPTEL resources with the students under Achievers and Performers Category.
2. **List of subjects to be aligned with any MOOC on SWAYM/NPTEL etc. portal**
    - All the Faculty Members will ensure that courses are aligned with the MOOC programs offered on various platforms. List of the same will be submitted by 31st August 2025.
3. **Strategies for sharing of various online resources to students for flip learning**
    - It is mandatory for all the faculty members to provide online resources through EduMarshal.
    - It has made mandatory for all the faculty to mention the same in the lesson plan.

Evaluation

1. **Internal Evaluation Criteria**

Following is the evaluation criteria for the students. It is based on the strategy of continuous evaluation and also to motivate the students for various curricular activities.

2. **Continuous Evaluation Performa for Labs**
3. All the Faculty will ensure that minimum **2 Quiz and one assignment is given to the students. Quiz and Assignments will be to evaluate the higher order thinking of the students**.
4. **Students will be evaluated during the lab observations.**
5. **Conventional system of File Writing will be replaced by the**

    - ***Problem Solving Assignments***
    - ***Critical thinking level Quiz***
    - ***A brief Project Report based on the Lab Work***
    - ***Learning Diaries:***

Applied Learning and Earn While Learn

Name of Program	Number of students allowed under Applied learning policy	Number of students benefitted under Earn While Learn Policy	Targets of students to be benefitted under Earn While Learn Policy
BCA	3	2	10
MCA	3	0	5
PGDCA	0	0	1

PR Initiatives

Objective:

To establish a smooth and effective system for promoting college events, achievements, and departmental highlights while building a strong institutional image.

1. **Formation of PR Club**
    - 2 Faculty Coordinators
    - 10–15 active students per section to be selected for photography, content writing, and event coverage.
2. **Alumni & Current Student Testimonials**
    - **Alumni**: 10 Alumni testimonials (video/written with photo)
    - **Students**: 4–5 testimonials per semester focused on college life, academics, and placements
3. **Social Media Sharing Plan**
    - Use department/class communication groups for sharing official posts
    - All faculty to encourage students to engage and reshare
    - Appoint PR Ambassadors in each class to track and promote sharing
4. **Creatives/Website Update Strategy**
    - Content submission from departments
    - Share: USPs (labs, programs, MoUs)
    - Recent activities and events.
    - Student/faculty achievements
    - Content in standard format with photos and short write-up
    - Coordination with PR team for updates
5. **Department reels on Instagram**

    We will create department's Instagram login and publish all activity on same on regular basis

6. **News Letter**

    We will publish a newsletter regarding all the activities of department bi monthly.

Admission

Planned Efforts for BCA/MCA Admissions (2026–27 Session)

1. **Interactive Lecture and Department Visit for BFSSS (Arts 150 & Commerce 50) Students**

   We will organize a dedicated lecture-cum-workshop for BFSSS students in our labs or seminar hall, in collaboration with the SSD department and the admissions team. This will give students exposure to hands-on sessions and a guided visit to our department. -

2. **Department-Level Referral Program Target: 750 Students**

   A structured referral initiative will be launched where current BCA/MCA students will be encouraged to refer their friends or acquaintances from +2 (Arts, Commerce, and Science) backgrounds in form of survey. Referred students will be invited to attend departmental activities and workshops to build early engagement.

3. **Two-Day Workshop on Emerging Technologies**

   A specialized two-day workshop for BFSSS students will be conducted, focusing on the latest industry trends and technologies. This will be organized jointly with the SSD department and the admissions team to spark interest in tech careers.

4. **Inter-College Technical Event Target: 100 Students**

   A technical event will be hosted in partnership with the SSD department and the admissions team. This event will invite participation from various colleges and schools, providing them a platform to compete, collaborate, and experience our academic environment.

5. **Targeted School Outreach and Follow-Up Workshops Target: Cover 500 Students**
   - Regular school visits will be scheduled, especially to those institutions from where we received good admissions in the 2025–26 session.

- At the end of each month, a follow-up workshop will be hosted at BFGI for students who were engaged through these outreach sessions, ensuring continued interaction and departmental exposure.

6. **Enhancing UG to PG Conversion Rate (BCA to MCA)**

To improve internal conversions from BCA to MCA:

- Priority will be given to ensuring that BCA students clear all subjects without any backlogs, increasing their eligibility and readiness for MCA.
- Career counselling sessions will be arranged by the admissions team and the central guidance department to inform students about the benefits and career paths post-MCA.
- Technical skills enhancement programs will be run in collaboration with the SSD department to boost students' confidence and competence for PG studies.

7. **One-Day Seminar for Senior Secondary School Faculty: Target: 60 Faculty Members**

We plan to organize a one-day seminar/workshop at BFGI for Science and Computer faculty members from Senior Secondary Schools, with due permission from the DEO, Bathinda. This initiative aims to strengthen academic collaboration and build meaningful relationships with school educators, fostering future opportunities for mutual growth and engagement.

Community Engagement

Centre of Excellence - IT for Society

Vision

To empower every individual of society with basic digital literacy and essential IT skills to enable them to actively participate in the digital age.

Mission

- To offer accessible and inclusive digital literacy training.
- To enhance the employability and productivity of marginalized and digitally excluded groups.
- To raise awareness about the ethical and safe use of information technology.
- To contribute to the Government of India's initiatives like **Digital India**, **Skill India**, and **Atmanirbhar Bharat**.

Objectives

1. To establish a fully functional **Skill Centre** for delivering basic to intermediate IT training programs.
2. To provide **free or subsidized training** to economically weaker sections and vulnerable groups.
3. To conduct **digital awareness campaigns** in rural and semi-urban areas.
4. To collaborate with **government bodies, NGOs, and educational institutions** for outreach and impact.
5. To encourage **women, senior citizens, and youth** to gain digital literacy for personal and professional development.

Target Groups

- School and College Students
- Unemployed Youth
- Women (Homemakers, Working Women)
- Senior Citizens
- Farmers and Rural Population
- Differently-abled Individuals
- Small Business Owners
- Army Persons
- Industry Persons (Non Computer)

Core Activities

Activity	Description
Basic IT Training	Use of computers, internet, email, MS Office, online safety, digital payments, Data Entry, Typing
Workshops & Seminars	Awareness sessions on IT trends, cybersecurity, and e-governance services.
Customized Training Modules	Special modules for different groups like senior citizens, women, etc.
Train the Trainer Program	Building a cadre of IT trainers from within the community.

Initially this program will be initiated on Saturday/Sunday or in the evening batches i.e. 04.00 to 06.00 pm

Physical Infrastructure

Existing Computer Labs of Computer Applications will be used

Human Resources

- IT Trainers – Initially 1 (May be increased as per the requirement). This may be from the students as intern or some existing faculty member of CA or CSE as per willingness and extra payment will be given.
- Community Mobilizers

Budget Outline (Indicative)

Component	Estimated Cost (INR)
IT Equipment (30 Computers)	NIL
Salaries (1 Year)	2,00,000
Publicity and Outreach	50,000
Miscellaneous/Contingency	50,000
Total	**₹3,00,000**

Certification and Outcome Measurement

- Participants to receive **digital skill certification** upon completion.

Expected Outcomes

- At least 2**00 individuals trained annually** in basic digital skills.

- **Increased awareness** about digital safety, online services, and e-governance.
- **Enhanced livelihood opportunities** for digitally skilled individuals.
- Stronger **digital ecosystem** in the community.

Monitoring & Evaluation

- Quarterly progress reports and training metrics.

Survey

With the collaboration of Humanities Department a Survey is planned through the students o***f CA on Assessing the Social, Academic, and Behavioral Consequences of Technology Engagement.*** Large number of students will be engaged for this social cause and to aware about the conscious use of various digital platforms.

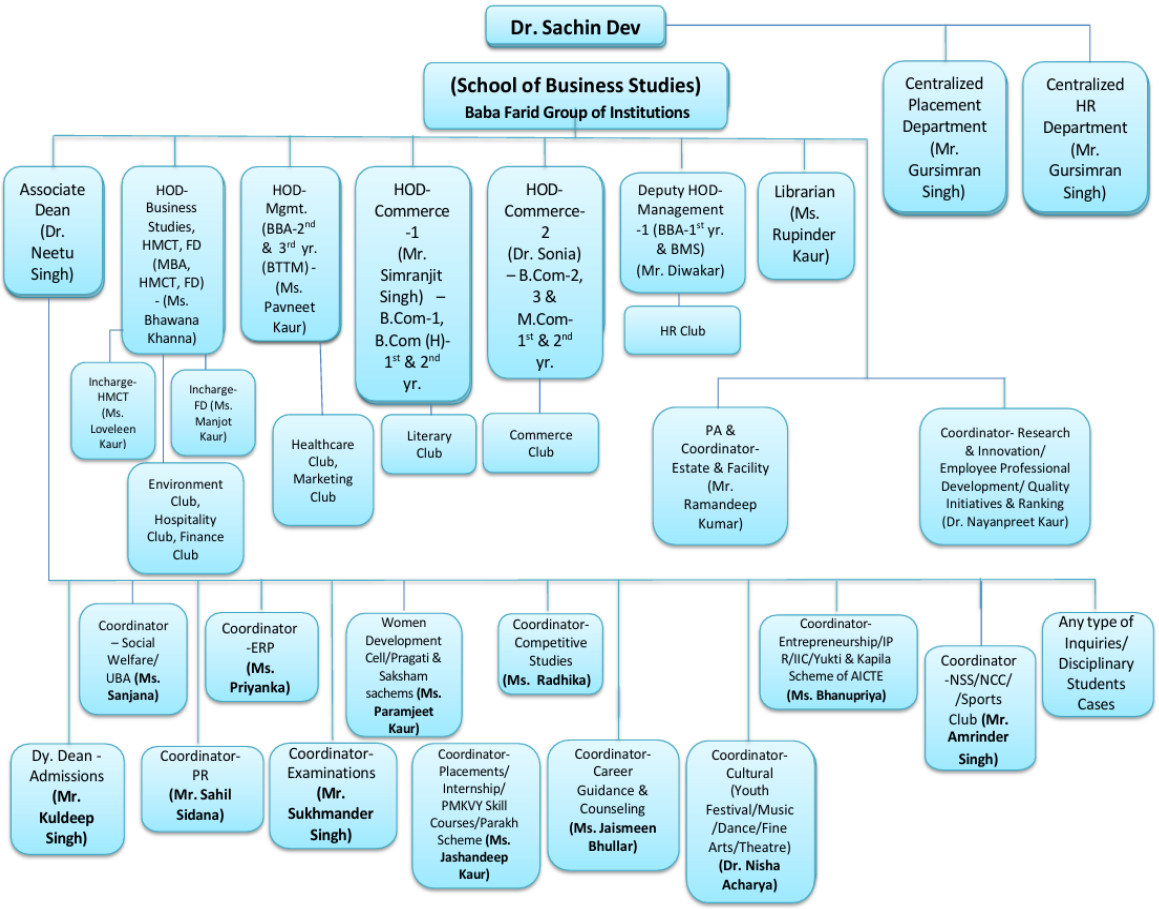
DARPAN
2025-26
School of Business Studies

ABOUT SCHOOL OF BUSINESS STUDIES

BABA FARID SCHOOL OF BUSINESS STUDIES (A Leading B-School)

Baba Farid School of Business Studies (BFSBS) stands at the forefront of grooming the next generation of business visionaries. Situated strategically in Bathinda, BFSBS offers a comprehensive array of Management & Commerce programs meticulously designed to equip students with the indispensable tools, knowledge and mind-set required to excel in the dynamic realm of contemporary business. Our faculty, comprising experienced professionals, coupled with state-of-the-art infrastructure, fosters an immersive learning environment. Emphasizing robust industry engagement, we ensure students are adept at navigating the challenges of the corporate sphere. Choose BFSBS for a rewarding journey towards a successful career in business management.

ORGANIZATIONAL STRUCTURE



INTAKE2026-27

Sr. No.	Program	Seats
1	**B.Com.**	320
2	**B.Com (Honours)**	240
3	**BBA**	480
4	**B.Sc. (Fashion Design)**	60
5	**Bachelor in Hotel Management & Catering Technology**	120
6	**M.Com**	30
7	**MBA**	180
	Total	1430

ACADEMIC DETAILS 2025-26

Sr. No.	Name of Program	Number of Students	Sections
1	**BBA**	938	13
2	**B. Com**	715	11
3	**B.Com (Honors)**	302	5
4	**BHMCT**	21	1
5	**B.Sc. Fashion Design**	42	1
6	**M.Com**	24	2
7	**MBA**	178	3
9	**BTTM**	5	1
10	**BMS**	18	1
	Total	**2043**	**38**

FACULTYDETAILS

Sr. No.	Name of Department	Number of Teaching Faculty	Number of NET Qualified	Number of Ph.D.
1	Department of Commerce-I	14	8	0
2	Department of Commerce-II	13	8	1
3	Department of Management-I	12	3	1
4	Department of Management-II	14	7	0
5	Department of Business Studies	10	6	2

	Total	**63**	**32**	**4**

ACADEMIC PLANNER

Sr. No	Events	Timeline	Responsible Person
1	Registration of students for 2024-25 Even semester	31.07.2025	Head of Departments
2	Finalization & sharing of Timetable with Students	30.07.2025	Head of Departments
3	Preparation of Lesson plan and sharing with students	31.07.2025	Head of Departments
4	Commencement of 1st Classes	18.08.2025	Head of Departments
5	Commencement of intermediate Classes	19.08.2025	Head of Departments
6	TA List Display on Notice Boards	28.08.2025	Head of Departments
7	Sharing of list of Struck off students	29.08.2025	Head of Departments
8	1st Meeting with TAs	5.09.2025	Principal/Associate Dean
9	Follow-up: Syllabus Coverage Report before MST I	16.09.2025	Head of Departments
10	GD and Quiz 1	16.08.2025	Head of Departments
11	Remedial classes	17.09.2025 to 19.09.2025	Head of Departments
12	MST-I/Certificate Courses Evaluation	22.09.2025 to 27.09.2025	Coordinator Examination
13	Evaluation of MST I and uploading of marks on LMS	3.10.2025	Head of Departments
14	Sharing of list of Struck off students	10.10.2025	Head of Departments
15	Analysis of MST-1 Result	13.10.2025	Head of Departments

16	Feedback letter to Head of Departments, Associate Dean, Coordinators and Faculty Members	15.10.2025	Principal/Associate Dean/Head of Departments
17	Execution of Field Visits/Industrial Visits	1.09. 2025-10.11.2025	Head of Departments and Coordinator T&P
18	2nd Meeting with TAs	17.10.2025	Principal/Associate Dean
19	Sharing of list of Struck off students	3.11.2025	Head of Departments
20	GD and Quiz 2	3.11.2025 - 5.11.2025	Head of Departments
21	Follow-up: Syllabus Coverage Report before MST II	3.11.2025	Head of Departments
22	Remedial Classes	4.11.2025 - 7.11.2025	Head of Departments
23	MST -II/Certificate Course Evaluation	10.011.2025-14.11.2025	Coordinator Examination
24	Evaluation of MST II and uploading of marks on LMS	18.11.2025	Head of Departments
25	Analysis of MST-II Result	19.11.2025	Head of Departments
26	Score Card Submission	20.11.2025	Head of Departments
27	Last Instructional day	21.11.2025	Head of Departments
28	Feedback letter to Head of Departments, Associate Dean, Coordinators and Faculty Members	25.11.2025	Principal/Associate Dean/ Head of Departments
29	Student Feedback through Google Form	27.11.2025	Head of Departments
30	Submission of Course Files	27.11.2025	Head of Departments
31	End Semester Examination	1.12.2025	Coordinator Examination

SBS Coordinator/ Co-Coordinator

Club/ Committee/ Cell	Coordinator	Co-Coordinator DOM I	Co-Coordinator DOM II	Co-Coordinator DBS	Co-Coordinator DOC I	Co-Coordinator DOC II
Placements, Internships, PMKY Skill Courses, Parakh Scheme	Ms. Jashandeep Kaur	Mr. Priyanshu	Ms. Jashandeep Kaur	Mr. Himanshu	Ms. Jaismeen Bhullar	Ms. JaismeenMaan
Research and Innovation, Employee Professional Development, Quality Initiatives & Rankings	Dr. Nayanpreet Kaur	Mr. Jagpreet	Ms. Roma	Dr. Nayanpreet Kaur	Mr. Mehakdeep Singh	Ms. Yashika
Competitive Studies	Ms. Radhika	Mr. Harsh	Ms. Jashandeep Kaur	Mr. Himanshu	Ms. Samiksha	Ms. Radhika Rani
IIC/ IPR and Entrepreneurship, Yukti and Kapila Scheme of AICTE	Ms. Bhanupriya	Ms. Bhanupriya	Ms. Isha	Ms. Ranvir	Ms. Anantveerkaur	Ms. Ekta
PR	Mr. SahilSidana	Ms. Maninder	Ms. Kaavya Ramen	Mr. SahilSidana	Mr. AshwaniSoni	Ms. Manpreet Kaur Rajpal
Career Guidance	Ms. Jaismeen Bhullar	Ms. Bhanupriya	Ms. Sanjana	Ms. HimaniBagga	Ms. Jaismeen Bhullar	Ms. Manpreet Kaur
NSS/ NCC/ Sports	Mr. Amrinder Singh	Mr. Balwant Singh	Mr. Amrinder Singh	Ms. Harjit Kaur	Mr. Navteshwar Singh	Ms. Yogita
ERP	Ms. Priyanka	Ms. Sunita	Ms. Amanpriya	Ms. Priyanka	Ms. Manveer Kaur	Ms.Dimple Sharma
Examination	Mr. Sukhmander Singh	Ms. Karamjit Kaur	Mr. Puneet	Ms. Ranvir	Ms. Deepasha	Mr. Sukhmander Singh

Women Development Cell, Paragti Girl Student Scholarship, Saksham Scholarship Scheme	Ms. Paramjeet Kaur	Ms. Vanita	Ms. Paramjeet Kaur	Dr. Nisha Acharya	Ms. Jasdeep Kaur	Ms. ManpreetRajpal
Environment Club	Ms. Gurjot Kaur	Ms. Vanita	Ms. Amanpriya	Ms. Harjit Kaur	Mr. Parneet Kaur	Ms. Manpreet Kaur
Estate and Facilities	Mr. Ramandeep Kumar	Mr. Jagpreet	Mr. Amrinder Singh	Mr. Narinder Singh	Mr. Navteshwar Singh	Mr. Sukhmander Singh
Admissions	Mr. Kuldeep Singh	Ms. JaismeenKanwal	Mr. Kuldeep Singh / Ms. Gagandeep Kaur	Ms. Gurjot	Ms. Rupamdeep Kaur	Ms. Radhika Rani
Commerce Club	Ms. Yashika	Mr. Harsh	Ms. Paramjeet Kaur	Ms. Meenakshi	Ms. Samiksha	Ms. Yashika
Marketing Club	Ms. Isha Gupta	Mr. Harsh	Ms. Isha	Mr. SahilSidana	Mr. Mehakdeep Singh	Mr. Sandeep Singh
HR Club	Ms. JaismeenKanwal	Ms. JaismeenKanwal	Ms. Harmandeep Kaur	Ms. HimaniBagga	Mr. Parneet Kaur	Mr. Sandeep Singh
Finance Club	Ms. Meenakshi	Mr. Harsh	Ms. Harmandeep Kaur	Ms. Meenakshi	Ms. Deepasha	Ms. Garima Garg
Healthcare Club	Ms. Gagandeep Kaur	Mr. Balwant Singh	Ms. Gagandeep Kaur	Ms. Ranvir	Ms. Jasdeep Kaur	Ms. JaismeenMaan
Hospitality Club	Ms. Loveleen Kaur	Mr. Balwant Singh	Ms. Kaavya Ramen	Mr. Narinder Singh	Ms. Sheetal	Ms. Dimple Sharma
Literary Club	Ms. Anantveer Kaur	Dr. Navdeep	Mr. Amrinder Singh	Ms. Harjit Kaur	Ms. Anantveerkaur	Ms. Ekta
Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theater)	Dr. Nisha Acharya	Mr. Priyanshu	Ms. Sanjana	Dr. Nisha Acharya	Ms. Rupamdeep Kaur	Ms. Yogita
Social Welfare/	Ms. SanjanaChhh	Dr. Navdeep	Ms. Sanjana	Ms. HimaniBag	Mr. Navteshwa	Ms. Garima Garg

UBA	abra			ga	r Singh	
Alumni Association	Concerned HOD	Dr. Navdeep	Ms. Paramjeet Kaur	Ms. Bhawana Khanna	Ms. Jaismeen Bhullar	Ms. Manpreet Kaur
Skill Development	Concerned HOD	Mr. Priyanshu	Ms. Pavneet Kaur	Ms. HimaniBagga	Ms. Jaismeen Bhullar	Ms. JaismeenMaan
PMSS	Concerned HOD	Ms. Maninder	Ms. Roma	Ms. Meenakshi	Ms. SonalVikram	Ms. Ekta
Department Record Keeping	Concerned HOD	Mr. Diwakar	Ms. Pavneet Kaur	Dr. Nisha Acharya	Mr. Simranjit Singh	Dr. Sonia

Club/Committee/Cell of SBS

Sr. No.	Club/Committee/Cell	Coordinators
1	Placements, Internships, PMKVY Skill Courses, Parakh Scheme	Ms. Jashandeep Kaur
2	Research and Innovation, Employee Professional Development, Quality Initiatives & Rankings	Dr. Nayanpreet Kaur
3	Competitive Studies	Ms. Radhika
4	IIC/ IPR and Entrepreneurship, Yukti and Kapila Scheme of AICTE	Ms. Bhanupriya
5	PR	Mr. SahilSidana
6	Career Guidance &Counselling	Ms. Jaismeen Bhullar
7	NSS/ NCC/ Sports	Mr. Amrinder Singh
8	ERP	Ms. Priyanka
9	Examination	Mr. Sukhmander Singh
10	Women Development Cell, Paragti Girl Student Scholarship, Saksham Scholarship Scheme	Ms. Paramjeet Kaur
11	Environment Club	Ms. Gurjot Kaur
12	Estate and Facilities	Mr. Ramandeep Kumar

13	Admissions	Mr. Kuldeep Singh
14	Commerce Club	Ms. Yashika
15	Marketing Club	Ms. Isha Gupta
16	HR Club	Ms. JaismeenKanwal
18	Finance Club	Ms. Meenakshi
19	Healthcare Club	Ms. Gaganpreet Kaur
20	Hospitality Club and In charge-HMCT	Ms. Loveleen Kaur
21	In charge- Fashion Design	Ms. Manjot Kaur
22	Literary Club	Ms. Anantveer Kaur
23	Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theatre)	Dr. Nisha Acharya
24	Social Welfare/ UBA	Ms. SanjanaChhhabra

Activity Calendar

Session 2025-26, Odd Sem

Name of the Club/Committee/ Cell/ Departmental Level	Name of Activity	Date	Responsible Person
Literary Club	Roald Dahl Day	12 September 2025 (Friday)	Ekta Ma'am, Anantveer Kaur
Literary Club	One Act Plays	16 October 2025 (Thursday)	Amrinder Singh Sir, Dr. Navdeep Kaur Ma'am, Anantveer Kaur
Literary Club	Calligraphy Competition	4 November 2025 (Tuesday)	Harjit Kaur Ma'am, New Faculty, Anantveer Kaur
Marketing Cell	Workshop on “Sales Pitching & Persuasion Skills”	10 September 2025 (Wednesday)	SahilSidana
PR Committee	Reel It Real- Poster Design & Video Design Coopetition	29 August 2025 (Wednesday)	SahilSidana

Career Guidance & Counselling Cell	Session on Career Guidance BBA / B.com Final Year	30/08/2025	Ms. Manpreet Kaur/ Ms. Sanjana
Career Guidance & Counselling Cell	Career choice Through Google Form Final Year BBA/ B.com Students	1/9/2025	Ms. Sanjana
Career Guidance & Counselling Cell	Section wise Career counselling (BBA Final Yr)	10 &12-Oct-2025	Ms. Sanjana
Career Guidance & Counselling Cell	One to One Counselling Slots (BBA Final Yr)	During Msts	Ms. Sanjana
Career Guidance & Counselling Cell	One to One Counselling Slots (B.com Final Yr)	During Msts	Ms. Manpreer
Career Guidance & Counselling Cell	Session On College choice and Comparison of Colleges/University	19/11/2025	Ms. Sanjana
Career Guidance & Counselling Cell	One to one Counselling by mentors	Throughout semester	All Mentors
Career Guidance & Counselling Cell	Session On Career Guidance BBA / B.com/ B.com (Hons) 2nd Year	30/10/25	Ms. Jaismeen/ Ms. Bhanupriya
Women Development Cell	Self-Defence and Civil Defence - Stronger & Fearless together	25th - 28th August	Ms. Nisha Acharya
SDS	Zoom Workshop on Skill development - India Skill in World Market	10th October	Ms. HimaniBagga
Research and Employee Professional Development Committee	FDP on Case Study Methodology	28th July-1st August, 25	Dr. Nayanpreet Kaur
Research and Employee Professional Development Committee	15 Day Workshop on Hands on training on Research	4th Aug-22nd Aug	Dr. Nayanpreet Kaur
Research and Employee Professional Development Committee	Book Review Competition	18th September	Dr. Nayanpreet Kaur
Research and Employee Professional Development Committee	Seminar on Ethical Dilemmas in Modern Business: Case Study Competition	11/5/2025	Dr. Nayanpreet Kaur
Research and Employee Professional Development Committee	FDP on Best Practices done by faculty	15th Dec-19th Dec	Dr. Nayanpreet Kaur

Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theatre)	BFGI Fusion Fiesta '25 (Events: Fusion dance, music mashups, fashion fusion runway. Decor: Blend of traditional and modern aesthetics)	19th September	Ms. Sanjana
Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theater)	BFGI Talent '25	10th September	Mr. Priyanshu
Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theater)	BFGI Global Village Fest '25 (Events: Cultural performances from different countries, food stalls, language challenges. Decor: Flags, traditional artifacts, multicultural zones)	7th October	Dr. Nisha Acharya
Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theater)	BFGI Bollywood Bash '25 (Events: Dance-offs, movie trivia, costume contests, mimicry. Decor: Red carpet, film reels, posters of iconic movies)	24th October	Ms. Ramandeep Kaur
Cultural Club (Youth Festival, Music, Dance, Fine Arts and Theater)	BFGI Diwali Bazaar '25 (Theme: Diwali. Stalls: Handmade crafts, sweets, ethnic wear, henna art. Add-on: Invite local artisans or NGOs to participate)	13th October	Dr. Nisha Acharya
Sports club	volleyball Tournament	12-13 November	Amrinder singh Brar
NSS	One day camp	9/10/2025	Amrinder singh Brar
Environment club	Eco Spark	9/12/2025	Gurjot Kaur
Commerce Club	“Build-a-Brand” Logo & Tagline Jam	9/24/2025	Yashika
Finance Club	The Perfect Portfolio Competition	27/5/2025 to 31/10/2025	Ms. Meenakshi
Placement Cell	Taking Location Consent from campus placement students	till 1st August, 2025	Concerned co-coordinators
Placement Cell	Orientation Session of campus Placement Students	20th August, 2025	Concerned co-coordinators

Placement Cell	Finalization of Modules of SDS	till 28th July, 2025	Concerned HODs
Placement Cell	External Evaluation of MBA Final Year Students (of pending students only)	till 14th August, 2025	Mr. Himanshu
Placement Cell	Internal Evaluation of B.com Final year Students	25th August, 2025	Ms. JaismeenMaan
Placement Cell	Internal Evaluation of BBA Final year Students	25th and 26th August, 2025	Ms. Jashandeep Kaur
Placement Cell	Internal Evaluation of MBA First year Students	6th November, 2025	Mr. Himanshu
Placement Cell	Industrial Visit of MBA Final Year	once in a semester	Mr. Himanshu
Placement Cell	Industrial Visit of BBA/B.com Final Year	once in a semester	Ms. Jashandeep Kaur/Ms. JaismeenMaan
Placement Cell	Industrial Training opportunities to BBA final year students	in December	Ms. Jashandeep Kaur
Placement Cell	Signing of MOUs	at least one in a semester by each department	Concerned co-coordinators
Placement Cell	Employer Feedback	During Placement drives	Mr. Gursimran Singh
Placement Cell	Industry Expert Session	9th September	Ms. Jashandeep Kaur
Social welfare/UBA	Tree Plantation Activity	9/26/2025	Ms.Sanjana Chhabra
Entrepreneurship/IPR	Bright mind, Bold Moves: Entrepreneurship Session	17/09/2025	Ms. Bhanupriya
Entrepreneurship/IPR	Ad Mad Show Competition	9/10/2025	Ms. Anantveer Kaur
Entrepreneurship/IPR	Pop up Business Challenge	13/10/2025	Ms Isha Gupta
Entrepreneurship/IPR	Business Plan writing Activity	3/11/2025	Mrs Ekta

Library	Orientation program	25-08-2025 to 29-08/2025	Iqbal Kaur
Alumni Association	Alumni Talk	9/1/2025	Ms. Bhawana Khanna
Alumni Association	Alumni Talk	9/26/2025	Ms. Bhawana Khanna
HR Club	HR Workshop on employee Relations plan	9/10/2025	JaismeenKanwal
Health Club	Health Quiz Completion	10/6/2025	Gaganpreet Kaur
Examinations	Meeting with the Co-Coordinators	9/2/2025	Mr. Sukhmander Singh
Examinations	Syllabus Coverage Report	9/5/2025	Mr. Sukhmander Singh
Examinations	Meeting with the Co-Coordinators	9/9/2025	Mr. Sukhmander Singh
Examinations	Syllabus Coverage Report	9/19/2025	Mr. Sukhmander Singh
Examinations	MST-1	9/22/2025	Mr. Sukhmander Singh
Examinations	MST-1 Evaluation	10/3/2025	Mr. Sukhmander Singh
Examinations	MST-1 Analysis	10/13/2025	Mr. Sukhmander Singh
Examinations	Syllabus Coverage Report	11/3/2025	Mr. Sukhmander Singh
Examinations	Meeting with the Co-Coordinators	11/3/2025	Mr. Sukhmander Singh
Examinations	MST-2	11/10/2025	Mr. Sukhmander Singh
Examinations	MST-2 Evaluation	11/18/2025	Mr. Sukhmander Singh
Examinations	MST-2 Analysis	11/19/2025	Mr. Sukhmander Singh

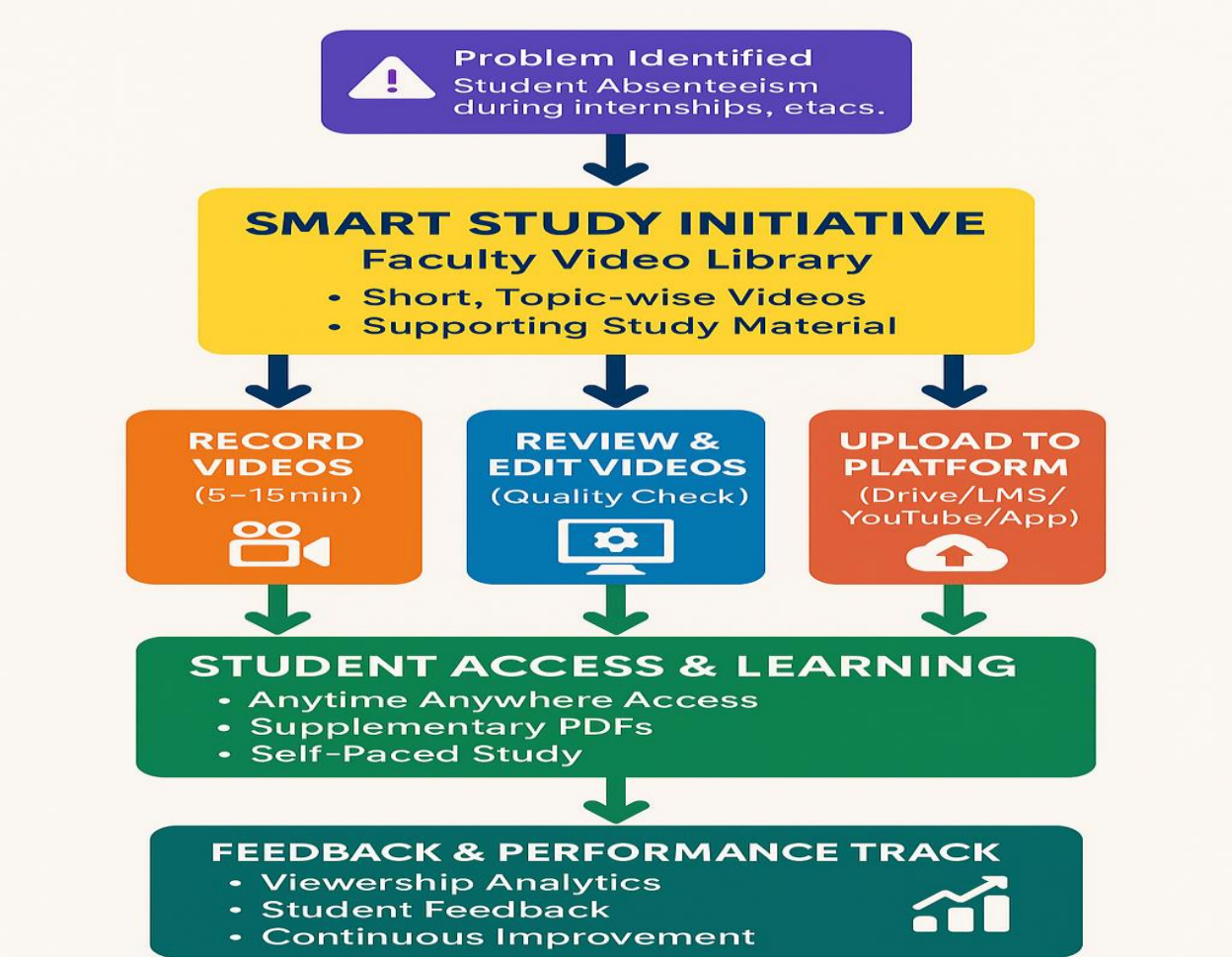
Competitive Studies	Mock Test	11/6/2025	Ms. Radhika

INITIATIVES AND ACTION PLAN OF THE DEPARTMENTS

Initiatives for MBA, Hotel Management & Fashion Design Students

MTM'14 (Management Transformation Model'14)

1. **Smart Study Initiative:** A structured video recording effort where faculty will create short, topic-wise videos focused on key concepts and exam-relevant questions. These videos, along with supporting study material, will be shared with students to ensure consistent learning, better exam preparation, and improved academic performance.



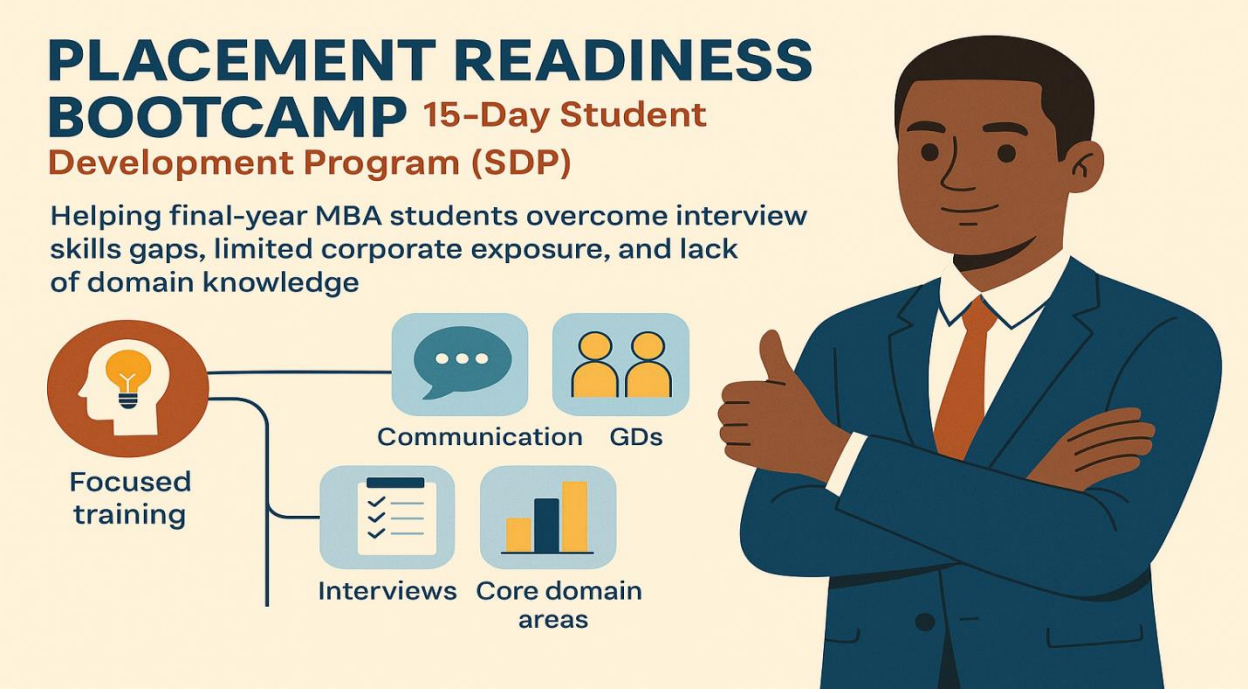
2. **Pro-Mentor:** To ensure better execution and subject-specific guidance, we will be appointing internal mentors (Pro-Mentors) from our own department. This focused mentoring approach aims to enhance the quality, consistency, and relevance of major project work.



3. **Second Wind:** To bridge this gap between theory and practice, we are introducing a project-based experiential learning initiative where students will work in groups, identify declining or loss-making businesses in the market, and help them with revival strategies. This real-world engagement will replace routine classes and lead to practical case study presentations based on their findings.



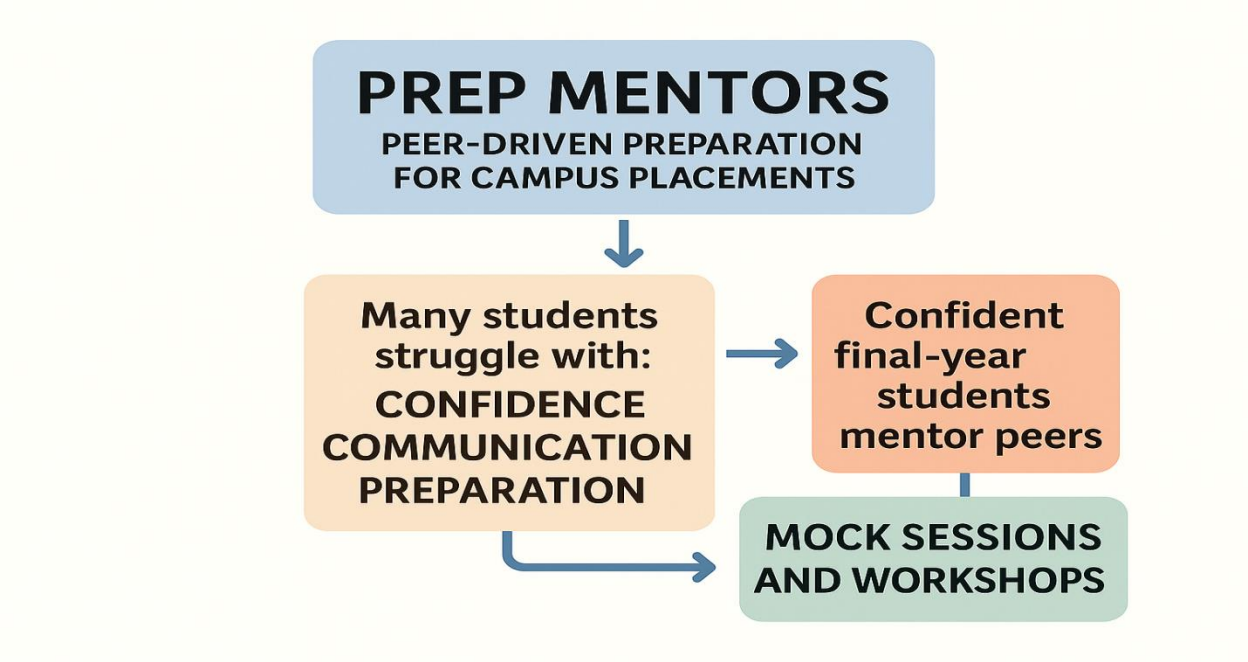
4. **Placement Readiness Bootcamp:** Final-year MBA students struggle with interview skills, limited corporate exposure, and lack of domain-specific knowledge, impacting their placement success. To overcome it, the MBA Department is launching a 15-Day Placement Readiness Bootcamp under the Student Development Program (SDP). The bootcamp will provide focused training in aptitude, communication, GDs, interviews, and core domain areas. This initiative aims to build confidence, competence, and career readiness.



5. **MBA Project to Publication:** Compilation of MBA Student Research into Three Thematic Books based on internships, major projects, and case studies.



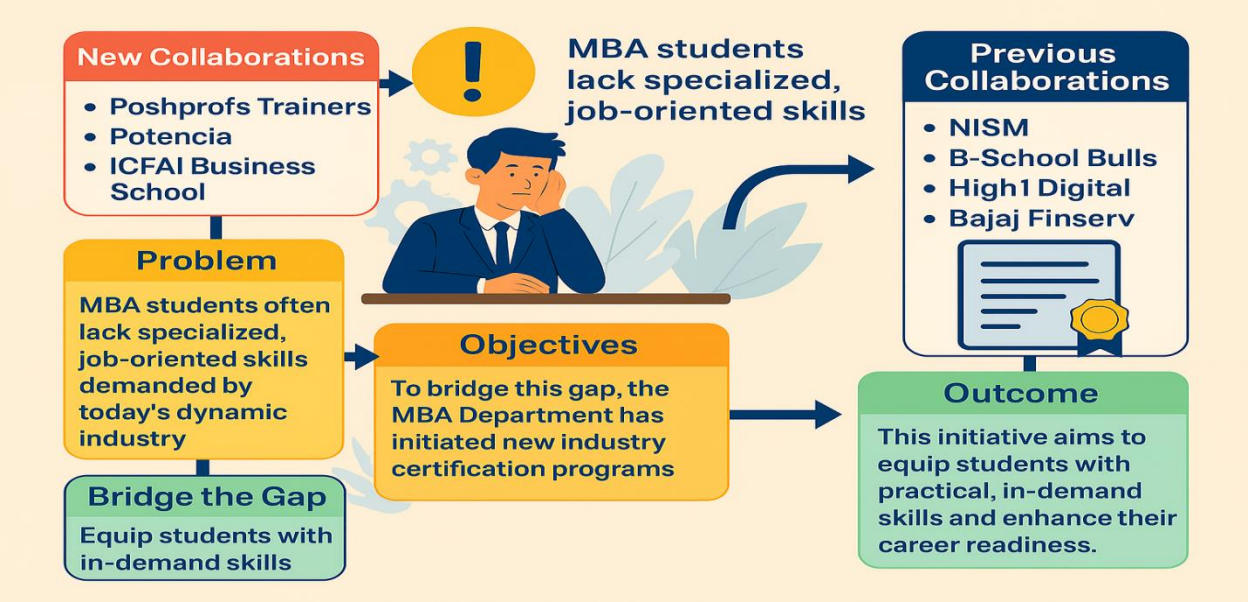
6. **Prep-Mentors:** A group of confident final-year students will mentor peers in GDs, interviews, and resume building. This student-led model aims to boost overall placement readiness through mock sessions and workshops.



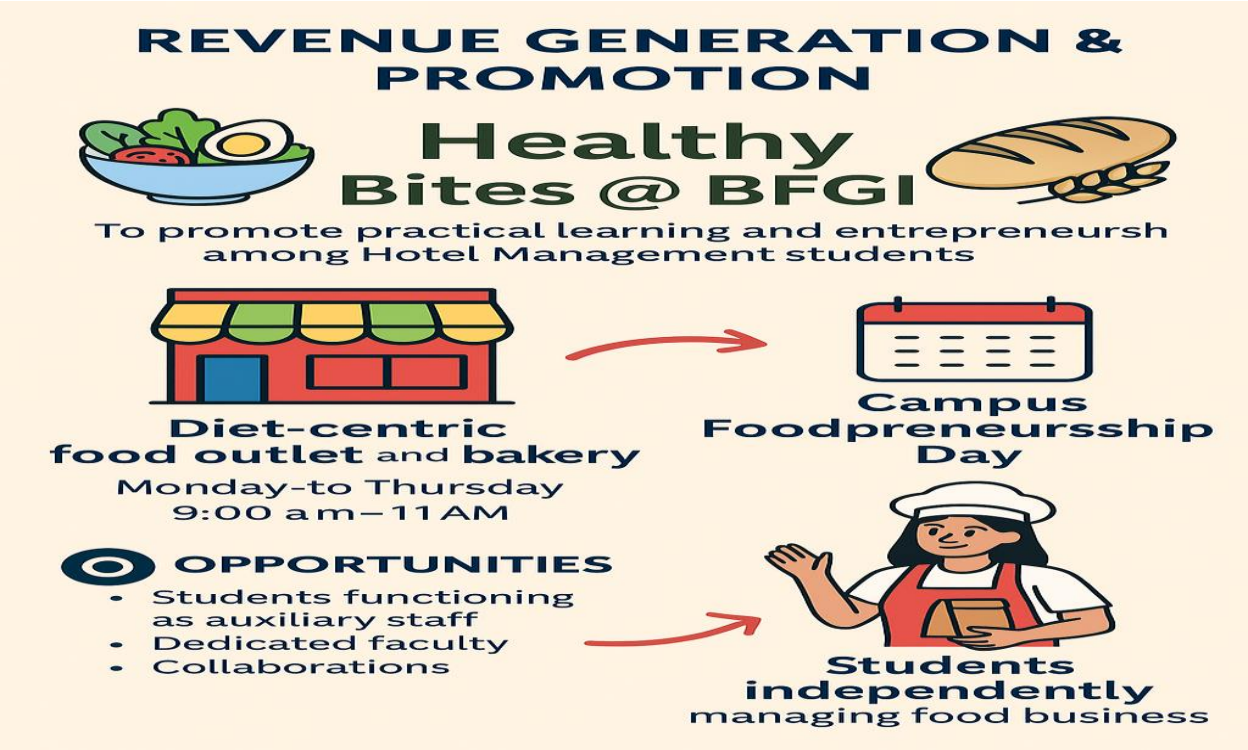
7. **Flexible Evaluation Program:** MBA Department is launching an Flexible Evaluation Program. This flexible approach allows students to choose from various formats—Presentations, GDs, Debates, Case Studies (written or oral), Role Plays, Quizzes, Poster Making, Teaching Juniors, or Concept Videos.



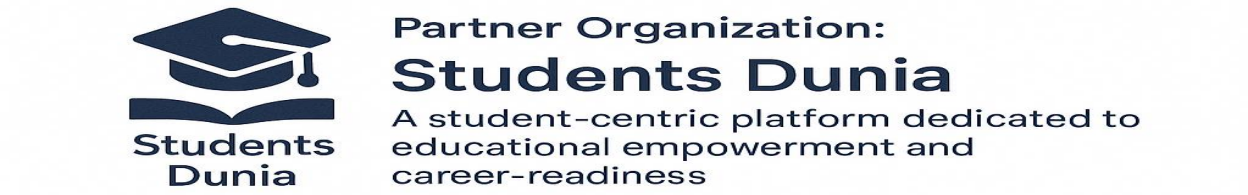
8. **New Collaboration:** MBA Department has initiated new industry collaborations to design tailor-made certification programs. These include modules in Wealth Management, SAP, Digital Marketing, Excel, and more. This initiative aims to equip students with practical, in-demand skills and enhance their career readiness.



9. **DBS Club:** Unplanned faculty absences often lead to unproductive class hours and missed learning opportunities. To turn these moments into meaningful engagement, the MBA Department is launching a Case Study Club. Students will develop real-world cases across specializations like Finance, Marketing, and HR. These cases will be used for peer-led sessions, enhancing applied learning and critical thinking.
10. **Certificate Course:** To enhance students' employability and technical proficiency, the MBA department will introduce a certification course on essential digital tools and productivity suites (e.g., MS Office, Google Workspace, Canva, Zoom, etc.). This initiative aims to equip students with practical, job-ready skills in documentation, data handling, presentation design, and team collaboration—critical competencies for modern workplaces across all sectors.
11. **Revenue Generation & Promotion:** the department is launching a diet-centric food outlet and bakery, offering nutritious, low-calorie meals and freshly baked healthy items. The outlet will operate Monday to Thursday, 9:00 AM to 11:00 AM, serving the BFGI community. On Fridays, the program will transform into a "Campus Foodpreneurship Day", where students will independently manage the entire food business cycle—from planning and production to setup and sales.



12. **DBS Talk: A** YouTube-based web series. It will feature insights from alumni, corporates, educators, and students, promoting dialogue and learning.
13. **Heritage Punjab:** To celebrate and preserve Punjab's rural heritage by curating village-specific stalls that highlight local crafts, foods, and traditions. To implement this initiative,4C Approach will be adopted which are Connect, Curate, Celebrate & collaborate
14. **Fintern:** This initiative will aim at connect MBA students with 70–80 verified government scholarships and stipend-based internships from renowned companies, ensuring financial support, hands-on experience, and enhanced employability. Our partnering organisation will be Students Dunia – A student-centric platform dedicated to educational empowerment and career-readiness.





Initiatives for BBA 1st Year & BMS

1. **Strengthening the Mentor–Mentee System:** We aim to create a strong support network where every student is guided by a dedicated faculty mentor. Through regular interactions, mentors will provide academic, career, and personal counselling to students, ensuring their holistic development. The system will also track student progress, identify challenges early, and offer timely guidance for better outcomes.
2. **Pro Mentor:** The Pro Mentor initiative focuses on developing students into future-ready professionals by pairing them with expert mentors. This program emphasizes industry exposure, career guidance, and skill-building through interactive sessions and personalized advice. It will encourage students to learn from real-world experiences, instil confidence, and prepare them to excel in their chosen career paths.

Initiatives for BBA 2nd& 3rd Year & BTTM 4th Year

1. VIRSA Vibe

- Stage 1: Students of BBA 5th Semester will prepare a scrapbook showcasing the cultural essence of Punjab villages.
- Stage 2: Selected students from nearby villages will interact with skilled artisans engaged in traditional crafts such as Phulkari, PakhiBunna, etc. These artisans will provide hands-on training to interested students, enabling them to learn and practice these traditional skills. The acquired skills will be developed into structured business plans, where students will create traditional products and sell them in the market. The financial gains will be shared, with a portion benefiting the students and the remainder retained by the college to support future initiatives.

2. Beyond the Numbers Students of BBA 3rd Semester will undertake live projects on diverse mathematical concepts, applying them to real-world scenarios. They will then present their projects across all BBA 3rd Semester classes, thereby reinforcing the practical understanding of mathematical principles. Example: The concept of correlation will be taught through an activity-based project analyzing the relationship between social media usage and student behavior.
3. Research Publications Research contributions of BBA 5th Semester students will be compiled into three edited volumes, categorized according to their internship experiences in the major specializations of Finance, Human Resource Management, and Marketing.
4. Newspaper Articles Experiences and learnings from the internships of BBA 3rd Semester students will be compiled into a series of articles. Ten selected articles will be published in leading newspapers to showcase student insights and achievements.

Initiatives for B. Com, B. Com (H) 1st Year & B. Com (H) 2nd Year

1. **Strengthening the Mentor–Mentee System:** We aim to create a strong support network where every student is guided by a dedicated faculty mentor. Through regular interactions, mentors will provide academic, career, and personal counselling to students, ensuring their holistic development. The system will also track student progress, identify challenges early, and offer timely guidance for better outcomes.
2. **Pro Mentor:**To ensure better execution and subject-specific guidance, we will be appointing internal mentors (Pro-Mentors) from our own department. This focused mentoring approach aims to enhance the quality, consistency, and relevance of major project work.
3. **Fintern:** This initiative will aim at connecting B.Com& B.Com (H) students with 70–80 verified government scholarships and stipend-based internships from renowned companies, ensuring financial support, hands-on experience, and enhanced employability. Our partnering organisation will be Students Dunia – A student-centric platform dedicated to educational empowerment and career-readiness

STRATEGIES FOR CLEARANCE OF ALL REAPPEARS OF STUDENTS

DOM-I

1. Video Lectures with Notes

Every lecture will be recorded and shared with students and faculty, covering both theory and practical examples. Along with the lecture, proper study material in the form of PDFs or slides will also be provided. This ensures learners always have a reference to revise from. Both the videos and notes will be uploaded to one common platform for easy access.

2. Six Lectures per Week

A total of six lectures will be delivered each week, so that the syllabus is covered in a systematic way. Usually, one lecture per day will be conducted (sometimes two if needed) to maintain regularity. Weekly progress will be clear, helping students stay on track. This schedule keeps preparation continuous and exam-focused.

3. Use of Last Year's Question Papers

The lecture content will be directly linked with last year's question papers. Important topics will be explained along with solving previous exam questions. This will help students understand exam patterns, frequently asked topics, and problem-solving methods. Faculty can also use this as a reference to keep their teaching exam-oriented.

4. Expert Lectures for Faculty and Students

These lectures are designed not only for students but also to benefit faculty members. Students will gain a clear understanding from basic to advanced levels, while faculty will receive exposure to new teaching approaches and updated examples. Expert insights will add depth and clarity for both groups.

DOM-II

1. Providing Reappear Sessions with Their Scheduled Lectures

- Special sessions will be organized exclusively for students who have **reappear/backlog subjects**, ensuring they receive focused academic support.
- These sessions will be **scheduled in a structured timetable**, so students know the exact day, time, and subject in advance.
- The objective is to cover **important concepts, difficult topics, and repeated weak areas** that were identified in the previous attempts.
- Faculty will also provide **individual attention** to clarify doubts, ensuring students gain confidence in clearing the exam this time.
- These sessions will run parallel to regular classes but will not clash with them, so reappear students can balance both.

2. Provide 7 Lectures in a Week for Cost and Management Accounting and Statistics

- To ensure consistency and regularity, **seven dedicated lectures per week** will be conducted.
- The lectures will be distributed across different days rather than being concentrated in a single day, giving students time to absorb the content.
- Each lecture will focus on:
- Explaining **core concepts**.
- Solving **numerical/practical problems** where applicable.
- Discussing **past year's exam trends**.

3. Use Last Year's Question Papers

- Last year's (and previous years') **question papers will be systematically analyzed** to identify:
- Repeated questions.
- Important topics carrying higher weightage.
- The exam pattern (e.g., short notes, case studies, long descriptive answers).
- Faculty will **discuss solutions in detail**, highlighting key points expected in the exam.
- Using past papers will help reduce exam anxiety and boost student confidence, as they will be more familiar with the type of questions likely to appear.

4. Expert Lectures for Faculty and Students

- Subject experts (either senior faculty from the same department or invited external academicians/industry professionals) will deliver **specialized lectures**.
- **For Students**:

- Experts will focus on **difficult topics**, practical applications, and real-world relevance of subjects.
- They will share **exam strategies** and effective study methods.
- **For Faculty**:
- Expert lectures will serve as **faculty development sessions**, enhancing their knowledge of the latest curriculum changes, teaching methods, and research areas.
- It ensures **uniformity in teaching** across faculty members handling the same subject.
- These sessions create an environment of **collaborative learning**, benefiting both students and teachers by upgrading their academic and professional skills.

DOC-I & DoC-II

1. Extra Classes (7 Lectures per Week)

- Organize seven focused lectures weekly for students.
- These classes should be specially designed to cover important topics, difficult concepts, and commonly asked exam questions.
- Regular interaction with subject faculty will ensure doubts are clarified on time.
- Attendance in these classes should be made compulsory to ensure students take them seriously.

2. Exam-Oriented Preparation (Last Year's Question Papers)

- Provide students with a bank of previous year question papers and guide them on solving these effectively.
- Faculty should conduct mock tests using past papers to familiarize students with exam patterns and time management.
- Analysis of repeated questions and frequently tested topics can help students focus their preparation in a targeted and strategic manner.

3. Expert Lectures for Faculty and Students

- Arrange expert sessions by senior faculty members or subject specialists for difficult subjects.
- These lectures can highlight key concepts, shortcuts, and exam strategies for students.
- For faculty, experts can share best teaching practices to improve delivery and student understanding.
- Such sessions will boost the confidence and motivation of both students and teachers.

DBS

- Subject Video Lectures and Question Banks are shared with students on regular basis.
- Revision Sessions are planned before MST and Final Exams.

- Remedial Lectures are also planned for Difficult Subjects on continuous basis.

RESEARCH AND DEVELOPMENT

Faculty Targets:

Category of Publication	DBS	DOM -I	DOM-II	DOC-I	DOC-II	Total Target
Patent Publication	01	03	01	01	1	7
Paper Publication in SCI Journal	-	-	-	-	-	-
Paper Publication in Scopus/UGC Journal/ABDC	14	05	14	10	13	56
Book Chapter Publication	14	12	03	10	13	52
Paper Publication in Conference Proceeding	14	06	14	5	13	52
Grand Total	43	26	32	26	40	167

Students' targets:

Category of Student Involvement	DBS	DOM -I	DOM-II	DOC-I	DOC-II	Total Involvement
Students' involvement in Patent Publication	02	02	-	05	2	11
Students' involvement in Scopus Indexed Publication/UGC Journal/ABDC	15	05	16	05	15	56
Students' involvement in Peer-Reviewed Journal Publication	10	25	-	-	10	45
Students' involvement in Conference Proceeding Publication	100	25	250	30	100	505
Grand Total	127	57	266	40	127	617

ACTIONPLANTILLDEC2025(BY FACULTY)

FacultyMembers	Each FacultyMembers Publish at least 1Scopus-indexed paper/SCIpaper /book chapter or book publication by December 2025

PLANNED TARGETS

S. No	Category	Planning Activities	Timeline	Targets
1	**Placement (MBA)**	Placement Drives	Odd and even semester placements	50 Student
2	**Training (MBA)**	External Evaluation Drive Specific Lectures Domain Lectures Regular Evaluation By Prep Mentors	ODD & Even Semester	
3	**Internship (MBA)**	Beyond Curriculum		**30**
4	**MoU Collaboration (DBS)**	Potencia Student Duniya IBS Pretrain Mentors		**4**
5	**Industry Connection (DBS)**	Bajaj Finserv Times of India Business Standard High1 Digital NISM Funds Audit IFS Trading Academy		**8**

		Hire Wise		
6	**Industrial Training (B.com and M.com)**	Beyond Curriculum	Odd and even semester	**50**
7	**Industrial Training (BBA)**	Beyond Curriculum	Odd and even semester	**200**
8	**Preparatory sessions for Placements (BBA)**	Domain Based	Odd and even semester	**1 for each domain**

All the faculty members will prepare a question bank for the technical questions for preparation of placement students.

PLACED STUDENTS

Sr. No.	Progrm Name	All Clear Students	Placement - Interested Students	Target of Placement	Percentage
1	BBA	64	34	34	100
2	B. Com	78	21	21	100
3	MBA	64	49	49	100
4	M.com	13	2	2	100

FACULTYWORKSHOP

Total Faculty	Involvement in FDPs	Learning NewSkill	Involvement in Trainings	Involvement in Workshops / Conference
MBA (10)	10	10	10	10
Fashion Design (2)	2	2	2	2
Hotel Management & Catering Technology (2)	2	2	2	2
DOM-I	12	12	12	12

APPLIED LEARNING AND EARN WHILE LEARN

Name of Program	Number of students allowed under Applied learning policy
MBA	38
BBA	26
B.Com	13
M.Com	6

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Academic Session 2025-26

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VISION

To be recognized as a premier educational institute for creating a supportive, innovative and productive learning environment that practices quality pedagogy while instilling values for the holistic development of students.

MISSION

- To enable students to prepare them for **lifelong learning** by nurturing **independent thinking**.
- To provide a platform to nurture students' talents and encourage them to **transform** their **passion into profession**.
- To provide the education that transforms the students into a **problem solver and critical thinker** through the learner- centered approach.
- To supporthigh standards of teaching by **interactive and innovative pedagogy** and practical approach, inculcating in students the ability to be learners forever.
- The institute will also impart training in **entrepreneurial and life skills** for enhancing employability.
- To create a conductive environment for **research and development** for faculty and students to do research activity in real- time applications.

OBJECTIVES

- Provide foundational knowledge in **core agricultural disciplines**.
- Promote sustainable and climate-resilient **farming practices**.
- Develop research and problem-solving skills through **hands-on training**.
- Introduce **modern technologies** like ICT, biotechnology, and precision farming.
- **Impart knowledge** of agricultural economics and business management.
- **Support** rural development and community engagement.

- Enhance **technical, managerial, and entrepreneurial abilities**.
- **Develop skills** in agribusiness planning, finance, and marketing.
- Foster **leadership and communication skills** for agri-enterprise development.
- Guidestudents for **higher studies and competitive exams** (agribusiness firms, NGOs, banks, and government agencies).
- Contribute to **national goals** like food security and climate resilience.
- Instill **ethical values** and professional responsibility.

ABOUTSCHOOLOFAGRICULTURE

S. No.	Name of Program	Number of students	Number of section	Number of Non-Teaching Faculty	No. of Class Rooms	No. of Labs	Field	Allied
1.	B.Sc (Hons) Agriculture	573	11	5	11	11	37.5 acre (Student demonstrations, PCP, Orchard, Polyhouse	Mushroom chamber, Vermicompost, Apiculture
2.	B.Sc (Hons) Agribusiness Management	60	1	2	1			
		633	12	7	12	11		

About Faculty

S. No.	Name of Department	Number of Teaching Faculty	Number of NET Qualified	Number of Ph.Ds
1	Agriculture	36	11	20

ACADEMIC EXCELLENCE

Results (Targets & Efforts)

Targets: More than 90 per cent passing percentage with top 5 merit positions at university level

Efforts: Different effort for Students under each academic excellence category for 1st year students. Laterally, these students will be categorized under various categories on their interest basis.

1. Fast Learners

✓ **Features**
- Grasp concepts quickly and apply knowledge effectively.
- Show leadership qualities and high self-motivation.
- Prefer challenges, problem-solving, and research-based tasks.
- May get disengaged with routine/repetitive teaching.

✓ **Objectives**
- Enhance critical and creative thinking through research-based examples.
- Channelize potential into research, innovation, and peer mentoring by giving extra emphasis on these students other than academics.
- Keep them intellectually engaged and motivated by exposing them to various conferences, trainings and other research-based activities.

✓ **Teaching Methodologies**
- **Project-based learning:** mini research projects, live projects, case studies.
- **Flipped classroom:** independent pre-reading, in-class discussions.
- **Participation and encouragement:** Seminars, debates, and hackathons.
- **Feedback:** Interdisciplinary and real-life problem-solving tasks.

✓ **Action Plan**
- Provide advanced reading materials, MOOCs, and research journals.
- Involve them in faculty-assisted research and publications.
- Assign leadership roles in group work and peer learning circles.
- Encourage participation in conferences, innovation challenges, and internships.
- Facilitate exposure visits, guest lectures, and expert interactions.

2. Average Learners

Features

- Understand concepts with structured guidance.
- Show steady but moderate performance.

- Usually lack higher-order application skills.
- Need consistent practice and motivation.

Objectives

- Strengthen conceptual clarity and application ability.
- Improve consistency and independent learning skills.
- Encourage participation in academic and skill-building activities.

Teaching Methodologies

- Interactive lectures with discussions and Q&A.
- Collaborative learning (group projects, peer discussions).
- Use of visual aids, summaries, and concept mapping.
- Regular formative assessments with feedback.

Action Plan

- Provide video notes, handwritten notes, and solving previous year question papers.
- Motivate them through rewarding them in class.
- Encourage participation in class interactions and group discussions to enhance self thinking ability.
- Organise study groups with mixed learners for peer support.
- Organising mentoring sessions weekly to assess their learning.

3. Slow Learners

Features

- Difficulty in grasping abstract concepts, need more time and repetition.
- Often lack confidence and participation.
- Lower exam performance and weak foundations.
- Require personalised attention and simplified content.

Objectives

- Build confidence and strengthen fundamentals.
- Ensure basic understanding and retention of core concepts.
- Promote active participation and gradual academic improvement.

Teaching Methodologies:

1. **Simplified Concept Delivery:** Breaking down topics into small, easy to digest units.
2. **More Hands-On Learning:** Emphasising on fieldwork, demonstrations, practical exercises and applying “learning by doing”.
3. **Visual & Audio Aids:** Using charts, diagrams, videos, and interactive tools will help students in understanding complex and advanced concepts.
4. **Peer Learning & Group Study:** Pairing slow learners with fast learning students.
5. **Frequent Feedback & Revision:** Conducting short, low-pressure quizzes will reinforce learning.

Action Plan

1. **Identify Learning Gaps**
    - Conducting diagnostic tests to find subject areas they are weakest in.
    - Prepare a personalised learning plan for each student.
2. **Weekly Remedial Classes**
    - Focus on key subjects (Agronomy, Soil Science, Crop Protection, etc.).
    - Use bilingual teaching if language is a barrier.
    - Conducting mock tests for the students along with solving previous year question papers to enhance writing skills of the students.
3. **Skill Development Modules**
    - Offering trainings in nursery management, composting, crop care, farm machinery handling etc.
    - Mandating their group participations in Project Pulse, conferences etc. along with high achiever students for building their confidence and inculcating off academia exposure.
    - Providing certifications in short-term agricultural skill courses.
4. **Motivation & Confidence Building**
    - Celebrating their small achievements to keep them engaged.
    - Inviting successful alumni who were once low performers to share their journey.
5. **Parental/Mentor Involvement**
    - Keeping parents and mentors updated on their progress.
    - Creating a departmental support system for encouragement.
6. **Career Orientation**
    - Highlighting vocational career options (farm supervisors, agri-input sales, field assistants etc.).
    - Providing exposure visits to real-world agricultural operations.

Action Plan

- Conduct bridge courses and remedial tutorials.
- Break syllabus into small, manageable units with clear outcomes.
- Provide one-on-one mentoring and counselling support.
- Use audio-visual aids, flow charts, and real-life examples.
- Organise regular doubt-clearing and revision sessions.
- Maintain a progress record and celebrate small achievements to build motivation.

Categorization Based on their Students' Academic Performance, bent of mind and intellectual tendency along with Action Plan for later classes

A. Academic Excellence Oriented
B. Research Oriented
C. Entrepreneurship and Agribusiness Oriented
D. Teaching Oriented
E. Government Job Aspirants

A. Academic Excellence Oriented:

Features:

- **Strong learners having strong retention power**
- **Maintain high performance in exams and projects etc.**
- **Tops in academics**

Teaching Methodologies:

- Case studies & advanced problem-solving.
- Research-based assignments and peer teaching.
- Exposure to higher-level concepts beyond syllabus.

Action Plan:

- Encourage participation in national/international conferences.
- Assign leadership (Head TA'S) roles in academic clubs.
- Mentor them for competitive fellowships (ICAR JRF, etc.).
- Jobs or competitive exams (ADO, AFO, etc.)

B. Research-Oriented (Research Bent of Mind):

Features:

- **Curious, analytical and detail focused**
- **More interested in practical aspect rather than theory aspect**
- **Keen to conduct and publish their research**
- **Interested in pursuing research based higher education.**

Teaching Methodologies:

- Laboratory-based learning & field trials.
- Literature review training.
- Statistical analysis and research methodology workshops.

Action Plan:

- Attach them with faculty research projects.
- Guide in writing research proposals for grants.
- Encourage patent filing for innovative ideas.
- Motivate them and give them extra time in their academics for good academic scores.

C. **Business-Oriented:** These students are Innovative, risk-taker, and market-driven thinker. They show high interest in subjects like Agricultural Economics, Farm Management and Agribusiness Management. They are very keen in agribusiness start-ups, value-added products. The goals of this category is to understand market dynamics and profitability start, sustain an agribusiness venture, build brand and capture market space.

Teaching Methodologies:

- Business plan development exercises.
- Industrial visits & entrepreneur guest lectures.
- Simulation of market scenarios.

Action Plan

- Facilitate incubation centre access.
- Link with funding agencies and start-up competitions.
- Assign projects on value-chain development.

4. Teaching-Oriented: **These students are** Patient, communicative, and conceptually clear. **They** Enjoys explaining topics and mentoring juniors. **They are very** Interested in academic careers. Their goals are to develop effective teaching and presentation skills and building subject expertise and pedagogy skills. Additionally, they want to opt for higher studies and clear teaching eligibility exams (NET, SET) for opting a profession in teaching.

Teaching Methodologies:

- Peer teaching and micro-teaching sessions.
- Use of multimedia for concept delivery.
- Teaching practice in community programs.

Action Plan:

- Assign tutorial classes under supervision.
- Train in lesson plan preparation.
- Encourage participation in teaching workshops.

Government Job Aspirants: This group is focused on securing public sector positions. They are Strong in memorisation, have exam strategy tactics and prefer stable, service-oriented careers. The goals of these students is to clear exams like UPSC, State Agriculture Services, IBPS AFO, NABARD, FCI, etc. They are developing time management skills along with gaining knowledge of agricultural policies and schemes and general awareness.

Teaching Methodologies:

- Competitive exam-oriented classes.
- Mock tests and quiz sessions.
- Group discussions on current affairs.

Action Plan:

- Provide access to previous year papers.
- Organise competitive coaching sessions.
- Create current affairs bulletin specific to agriculture.

Results (Targets & Efforts)

a. **Targets:** More than 90per cent passing percentagewith top5 merit positions at University level

b. **Efforts**

i. **Effective academic planning:**Decide minimum expected marks for each subject (e.g., weak students ≥ 55%, merit students ≥ 85%) by identifying high-weightage chapters from previous 5–

10 years' university papers ii. **Regular assessments:**Small tests of 10 marks at completion of every unit. For meritorious students preparation of advance question banks, time- bound answer writing whereas for weak or intermediate students doubt clearing sessions, coverage of minimum scoring content.

iii. **Mentor- Mentee system:** Provide individual interactionwith every student.Identify and resolve academic or personal issues early. Boost motivation, confidence, and exam preparedness.

iv. **Motivational sessions:**Develop a growth mindset for both meritorious and struggling students.Build resilience against exam stress and peer pressure.Boost self-confidence and remove fear of failure.

v. **Interactive- Teaching methods:**Present real-life industry or research case studies for analysis and solution. Connect theory with practical application; improves problem-solving. Assign topics related to syllabus; divide into teams for discussion or debate.

vi. **Parental involvement:** Keep parents informed and engaged in academic progress.Create a joint accountability loop between college, student, and home. Immediate call/message if attendancedrops below a set limit or marks fall in critical range. Invite parents to award ceremonies for merit achievers.

vii. **Attendance Monitoring:**Detect and address attendance issues early. Immediate reporting of absent students to mentor. Faculty → Mentor: Share weekly attendance report. Mentor → Student: Discuss reasons for absences, remind of policy. Mentor → Parent: Call/message if a student's attendance falls below threshold (e.g., 75%).

viii. **Timely feedback:** Detect learning gaps early and fix them before they impact results. Create a continuous improvement cycle for both weak and merit students. After every monthly test, mentors: Share marks breakdown with students. Discuss improvement plan one-on-one. Inform parents if scores are below target.

ix. **Faculty development:** Equip faculty with modern, interactive teaching methods. Deep dives into updated university syllabus, marking schemes, and exam trends.Expert lectures, webinars, or university tie-ups for faculty skill refresh. Encourage faculty to attend conferences, FDPs (Faculty Development Programs), and certification courses. Promote research projects & publications linked to their subjects.

Categorization Based on their Students' Academic Performance, bent of mind and intellectual tendency along withAction Plan under each Category

A. Academic Excellence Oriented

B. Research Oriented

C. Entrepreneurship and Agribusiness Oriented

D. Government Job Aspirants

E. Low Achievers

A. **Academic Excellence Oriented: This** Category consistently tops in academics with their quick learning and strong subject retention power. The goal of this category is to maintain high performance in exams and project, secure top ranks and scholarships, publish articles and patents and their placements in reputed institutes.

Teaching Methodologies:

- Case studies & advanced problem-solving.
- Research-based assignments and peer teaching.
- Exposure to higher-level concepts beyond syllabus.

Action Plan:

- Encourage participation in national/international conferences.
- Assign leadership (Head TA'S) roles in academic clubs.
- Mentor them for competitive fellowships (ICAR JRF, etc.).
- Jobs or competitive exams (ADO, AFO, etc.)

B. **Research-Oriented (Research Bent of Mind)**: This Category of students is curious, analytical, and detail-focused. They enjoylearning through experimentation, data collectionand analysispreferring practical depthin subjects taught.The goals of this category of students are to conduct innovative research projects, publish research/ review articles in peer-reviewed journals and pursue higher education like MSc/PhD or join R&D roles.

Teaching Methodologies:

- Laboratory-based learning & field trials.
- Literature review training.

Action Plan:

- Guide in writing research proposals for grants.
- Encourage patent filing for innovative ideas.
- Motivate them and give them extra time in their academics for good academic scores.

C. **Business-Oriented:** These students are Innovative, risk-taker, and market-driven thinker.They show high interest in subjects like Agricultural Economics, Farm Management and Agribusiness Management. They are very keen in agribusiness start- ups, value-added products. The goals of this category is tounderstand market dynamics and profitability start, sustain an agribusiness venture, build brand and capture market space.

Teaching Methodologies:

- Business plan development exercises in collaboration with school of entrepreneurship
- Industrial visits & entrepreneur guest lectures.

Action Plan

- Facilitate incubation center access.

D. **Government Job Aspirants:** This group is focused on securing public sector positions. They are Strong in memorisation, have exam strategy tactics and prefer stable, serviceoriented careers. The goals of these students is to clear exams like UPSC, State Agriculture Services, IBPS AFO, NABARD, FCI, etc. They are developing time management skills along with gaining knowledge of agricultural policies and schemes and general awareness.

Teaching Methodologies:

- Competitive exam-oriented classes in collaboration with Arora classes (Final year students).
- Group discussions on current affairs.

Action Plan:

- Provide access to previous year papers.
- Organize competitive coaching sessions.
- Create current affairs bulletin specific to agriculture.

E. **Category: Slow Learners / Low Achievers:** The Academic performance of these students is consistently below average (typically < 50% marks or CGPA < 5.0). **They** Struggle with

grasping theoretical concepts quickly. **Some** have good practical or handson skills but lack exam preparation strategy. **They** Often have low academic confidence and lack participationin activities other than academics. Thay have low future goals and need continuous motivation and guidance for their future.

Teaching Methodologies:

1. **Simplified Concept Delivery: Breaking** down topics into small, easy to digest units and using real-life agricultural examples, stories, and analogies will help students in better understanding of the subject knowledge.
2. **Peer Learning & Group Study: Pairing** low achievers with teaching oriented students will harvest mutual benefits.
3. **Frequent Feedback & Revision: Conducting** short, low-pressure class test/written practice will reinforce learning.

Action Plan

1. **Identify Learning Gaps**
   - Conducting diagnostic tests to find subject areas they are weakest in.
   - Prepare a personalised learning plan for each student.

2. **Weekly Remedial Classes** ○ Focus on key subjects (Agronomy, Soil Science, Crop Protection, etc.). ○ Use bilingual teaching if language is a barrier.
   ○ Conducting mock tests for the students along with solving previous year question papers to enhance writing skills of the students.

3. **Parental/Mentor Involvement** ○ Keeping parents and mentors updated on their progress. ○ Creating a departmental support system for encouragement.
4. **Career Orientation** ○ Highlighting vocational career options (farm supervisors, agri-input sales, field assistants etc.).
   - Providing exposure visits to real-world agricultural operations.

Strategies for clearance of all reappear of students

The university examination results reflects the following performance insights:

S. No.	Batch	Total Number of Students	100 % Clear	1-2 backlogs	>2 backlogs
1	2024-25 2nd Sem	167	142 (85.0 %)	12 (7.1 %)	13 (7.7 %)
2	2024-25 4th Sem	93	72 (77.4 %)	21 (22.5 %)	-
3	2024-25 5th Sem	73	62 (85.0 %)	9 (12.32 %)	2 (2.73 %)

Actions Plan

For Students with 1–2 Backlogs:

1. Conduct targeted remedial classes for academically weak students.
2. Organise regular practice and mock tests to assess progress.
3. Assign dedicated faculty mentors for academic guidance.
4. Provide individualised support to address specific learning gaps.
5. Monitor performance and prepare students for successful re-attempts.

For Students with 3 or More Backlogs:

1. Prepare personalised improvement plans for individual students.
2. Organise intensive revision programs to strengthen subject knowledge.
3. Offer counselling services to manage academic stress and enhance motivation.
4. Provide continuous academic and emotional support throughout the improvement process.
5. Monitor progress and adjust strategies to ensure desired learning outcomes.

Class and Lab observation

Class Observation

a. The class is well-organized and commences according to timetable schedule.

b. The teacher used clear explanations and involved students in the learning process.

c. Students are attentive and actively participate in the discussion.

d. Teaching aids like the board, projector, and presentations are effectively used.

e. The class environment is disciplined throughout the conducive to learning.

f. Concepts are explained with real-life examples, making learning more relatable.

g. Doubts of students are addressed patiently.

h. Assessment methods like quizzes and oral questions are used effectively.

Lab Observation

a. The labs should be clean, well-maintained, and equipped with necessary tools and instruments before session.

b. Safety measures are followed strictly during experiments.

c. Students are divided into small groups for better hands-on experience.

d. The instructor provided step-by-step guidance and ensured correct procedures and precautions were followed.

e. The purpose and principle of each experiment are clearly explained before starting.

f. Lab records are properly maintained and checked.

g. Internal viva will be conducted along with student continuous evaluation performa.

h. Students will be observed to ensure that all participate in hands-on agricultural experiments in both the field and the laboratory

Field Observation (RAWE, PCP and Field demonstrations)

a. **Objective Setting** – Define learning goals such as crop growth monitoring, pest identification, soil analysis, and farm management practices.

b. **Pre-Observation Briefing** – Conduct an orientation session to explain observation methods, safety rules, and data recording formats.

c. **Site Selection** – Choose farms, research fields, or demonstration plots relevant to the semester's subjects.

d. **Scheduling** – Fix observation dates aligning with crop growth stages for maximum learning value.

e. **Group Formation** – Divide students into small groups to ensure individual participation and focused observation.

f. **Data Collection** – Record observations on crop health, weather conditions, pest incidence, soil characteristics, and farm operations.

g. **Interaction with Farmers/Experts** – Arrange Q&A sessions to understand practical challenges and solutions.

h. **Photo & Sample Documentation** – Capture images and collect permissible samples for later classroom discussion.

i. **Post-Observation Analysis** – Conduct group discussions and presentations to connect field data with theoretical concepts.

j. **Reporting** – Submit a structured observation report including findings, analysis, and improvement suggestions.

The link for the detailed plan of the Performa for the field work: [Field Plan Performa 1.doc]

STUDENT SKILL ENHANCEMENT

1. List of Certificate/Add-on programs: 5 Target
2. List of Training Programs: 5 Target
3. Strategies for effective implementation of Live Projects: Defining clear objectives:Identifying learning outcomes, aligning with curriculum and students' area of interest.
4. Internship Opportunities (8)
5. Skill Enhancement Activities (3)
6. Students visits to various research and academic institutes (4)
7. Expert Lectures (3)

1. List of Certificate/Add-on programs

♦ **Climate Change- Extreme Events (NPTEL)**

12 weeks (Enrollment till 4 August 2025)

♦ **You and Your Food (IGNOU)**

10 weeks (Enrollment till 15 Sept 2025)

2. Strategies for effective implementation of Live Projects

♦ **Defining clear objectives:**

Firstly, we should go for identifying specific learning outcomes that the live project should achieve. Ensure these outcomes align closely with the course curriculum and tap into students' interests to keep them engaged and motivated.

♦ **Careful planning and scope setting:**

Design projects that are practical, time-bound, and suited to available resources. Outline clear phases, responsibilities, and deliverables to avoid scope creep.

♦ **Structured supervision and feedback:**

Provide regular guidance through faculty mentors and checkpoints to keep the project on track and help students reflect on their learning.

♦ **Assessment and reflection:**

Use a combination of evaluation methods (self, peer, and faculty assessment) and encourage reflective practices like journals or presentations to deepen learning.

♦ **Sharing and documenting results:**

Have students present their findings through reports or exhibitions, helping them develop communication skills and showcase their work.

3. **Skill Enhancement Activities**

♦ **Group Discussions & Debates:** Build confidence, articulation, and perspective-taking.

♦ **Technical Skills Training:** Learning new software, lab techniques, or tools relevant to the field.

♦ **Soft Skills Sessions:** Activities on time management, teamwork, presentation skills, and emotional intelligence.

4. **Students visits to various research and academic institutes (4)**
   - ♦ Visit to Sikander Poultry Farm
   - ♦ Visit to Bio carve Seeds
   - ♦ Visit to Kisan Mela, PAU, Ludhiana
   - ♦ Visit to Kisan Mela, KVK, Bathinda
5. **Expert Lectures (3)**
   - ♦ Problematic soils and its management (Dr K B Singh)
   - ♦ Disease Epidemiology-An Overview(Dr P P S Pannu)
   - ♦ Significance of Poultry Farming (Dr Amninder Singh)

RESEARCH AND DEVELOPMENT

1. **Paper Publication for Students and Faculty**
   a) Students: 50 paper publication
   b) Faculty: 20 paper publication
2. **Paper Presentation for Students and Faculty**
   a) Students: 20 paper presentation
   b) Faculty: 10 paper presentation

3. **Books/Book Chapters for Students and Faculty:**
    - 5 book chapters
    - One Book at department level with ISBN no.
4. **Internal Projects Submission: 3**
5. **External Projects Submission:** 2
6. **Research Activities for students**
    a. Orientation on what research is, why it matters, and how it impacts careers
    b. "Pitch Your Research" contests to refine ideas before formal proposals
    c. Introductory workshops on research paper and review writing, data analysis tools, data collection, conference presentation.
    d. Guest lectures by alumni, industry experts, and scientists.
    e. Monthly progress reports to mentors and reviewing of research as well as review paper.
7. **Research activities for teachers**

Role	Research Targets
Faculty Members	Each faculty member to publish at least 1Scopus-indexed paper / SCI paper / NAAS-rated journal paper / book chapter / book publication by December 2025.
Third-Year B.Sc. Agriculture Mentors	15Submit + papers to national conferences/seminars and file at least 1 patent or innovation disclosure related to agriculture.
Final-Year B.Sc. Agriculture Mentors (RAWE Coordinators)	Publish 20 papers from RAWE project work in reputed journals or conference proceedings

8. **Students' participation in SPARK 2026: 30**
9. **Revenue Generation through research and development**
    a. Students' Practical Crop Production Revenue Generation Estimation: Rs. 2,00,000/-
    b. Soil and Water testing:
        i. From Farmers: Rs. 10,000/-
        ii. From Corporates/ Private Farm Contracts: Rs. 25000/-
    c. Project Submitted under "Strengthening, Upscaling and Nurturing Local

Innovations for Livelihood (SUNIL) Programme" entitled "Empowering Rural Women for Sustainable Development through Agri-training and Waste Management in Malwa Region of Punjab" with Proposed budget of Rs. 1,10,12,000/-.

INNOVATION AND ENTREPRENEURSHIP

Vision

To nurture a generation of agriculture graduates who are innovative thinkers, skilled problem-solvers, and successful agri-entrepreneurs, driving sustainable growth, rural prosperity, and global food security through creativity, technology, and ethical business practices.

Objectives

- **Fostering an Entrepreneurial Mindset** by cultivating creativity, problem-solving ability, and risk-taking capacity among agricultural students.
- **Building Innovation Competence** by Enabling students to identify, design, and develop innovative solutions to agricultural problems using modern technologies.
- **Strengthening Business & Financial Literacy by** Providing knowledge on business models, market analysis, costing, and financial planning for Agri-based enterprises.
- **Promoting Value Addition & Sustainability** by Encouraging eco-friendly innovations in production, processing, and waste utilization.
- **Encouraging Start-up Readiness** by Equipping students with the skills to conceptualize, plan, and launch agriculture-based start-ups.
- **Developing Networking & Collaboration Skills** by Building linkages with industry, government schemes, incubators, and farmer-producer organizations.

Activities and Action Plan

S. No.	Activity	Description	Timeline	Stakeholders/Organisers
1	Orientation Workshops on Agri-Innovation	Introduction to agri-entrepreneurship, success stories, emerging trends	1st Week of session	Faculty, Guest Entrepreneurs
2	Project Pulse 3.0, I-can, Code Vista	Problem-based competitions on agri-tech, value addition, or sustainability	Once a Year	BFGI, Bathinda
	etc.			

3	Hands-on Live Projects	Students develop prototypes (e.g., farm tools, processing equipment, mobile apps)	Round the year	Students, Mentors
4	Exposure Visits	Visits to agri-startups, KVKs, FPOs, agri-industries, processing units etc.	Round the year	Institution, Industry Partners
5	Mentorship Program	Industry experts mentor students for refining business ideas (on as well as off campus)	Round the year	Incubator Networks
6	Incubation & Start-up Linkage	Students pitch their ideas panels of investors and stakeholders of incubation centres and funding schemes (MSME Hackathons, Ideathons, Agri-Innovation Fests, Smart India Hackathons etc.)	Round the Year	Angel investors, Govt. Agencies
7	Alumni & Industry Networking Meet	Create a platform for long-term support and collaborations	Round the year	Alumni Association, MoUs and Collaborations

List of various Live Projects Offered

S.No	FACULTY	TITLE OF LIVE PROJECT
1	Dr Surbhi Sharma	Pink Oyster Mushroom cultivation
2	Dr Poonam Burman	Mass production and evaluation of *Pseudomonas*
3	Dr Tabassum	Mutation breeding in ornamental crops
4	Dr Jaspreet Kaur	Mass production and evaluation of *Trichoderma*
5	Ms Parbhjot Kaur	Mass multiplication of honey bees and ecological trapping of insects
6	Mr Gurdeep Singh	To study the impact of paddy straw mulch, irrigation scheduling, nutrient spray on growth and productivity of summer moong
7	Mr Hardeep Singh	To study the impact of paddy straw mulch, irrigation scheduling, nutrient spray on growth and productivity of maize
8	Mr Harpreet Singh	To study ther effect of homemade solution sprayand application of FYM on nutrient composition of fodder maize
9	Mrs Samandeep Kaur	Prepartion of dry products
10	Mr Raman Chabbra	Harnessing rice straw potential to enhance vermicompost quality with neem and organic additions

11	Dr Jashandeep Singh	Estimation of drying kinetics properties of chillies
12	Dr Mohit Kundal	Propagation of various forest trees through seed and vegetative methods
13	Ms Gagandeep Kaur	Soil profile/ to determine the soil moisture content
14	Ms Navjot Kaur	To Study the ecology and behaviour of butterflies
15	Dr Shweta	To study mitotic cell division
16	Dr Baldeep Singh	An economic analysis of rice production in Bathinda dristicts
17	Mrs Harpreet Kaur	Gurmukhi lippi

Targets

S. No.	Activity	Number
1	Patents	5
2	Startups	2
3	Students participation in Agri-Innovation contest	50
4	Students participation in Project Pulse 3.0	30
5	Students participation in I-can	
6	Students participation in SIH	45
7	Students participation in Code Vista	

INDUSTRIAL COLLABORATIONS

Targets

S. No.	Activity	Number
1	Number of new MOUs and Collaborations	**2**
2	Number of Activities under signed MOUs and Collaborations (Visit, training, internships and placements with these collaboration firms)	**5**
3	Number of Industrial Training Programs	**10**
4	Number of students participation in Industrial Training Programs	**150**
5	Number of Professor of Practice to be appointed	**4**

STUDENT SATISFACTION AND ENGAGEMENT

a. Student satisfaction

1. Ratio: The student-to-TA ratio should not exceed 1:6. This ensures each TA can provide adequate attention and support to the students in their group. For those Programs where section strength is more than 60 Student to TA ration can be upto 1:8

2. All the mentors will ensure that each TA group should consist of students from all the categories, defined based on their academic level

- **Academic Excellence & Teaching Oriented:** Students who has potential of Merit Positions
- Performers: Students scoring marks between 70% to 85%
- Research Oriented& Strivers: Students between 50% to 70%
- Low Achievers: Students who need critical attention for clearing examination

3. Selection Criteria for Teaching Assistants:

Academic Excellence: TAs should have a strong academic record

Performers: have excellent communication skills and have leadership qualities

Research Oriented& Strivers: TAs should exhibit leadership qualities, such as initiative, responsibility, and the ability to guide and motivate peers.

4. Appointment Letters: Appointment letters should be formally issued to all TAs at the time of appointment. This document should outline their duties, expectations, duration of appointment, and any other relevant terms of service.

5. Plan of effective implementation of TA system

- Conduct orientation sessions for TAs to clarify their roles and responsibilities.
- Regularly review TA performance and gather feedback from students to assess effectiveness.

6. Number of meeting with TAs (Targets)

- Set atarget of at least 2 meetings per month between faculty and TAs for progress review.
- Encourage TAs to present student progress or concerns during these meetings.

7. Plan of effective implementation of mentor-mentee system

- Maintain a mentorship diary or log for tracking interactions and student development.
- Organize structured weekly mentor-mentee meetings with clear agendas.

8. Number of meeting of mentors with their mentees (Targets)

- Set a minimum target of 2 formal meeting per month and encourage informal check-ins weekly.
- Maintain digital records of each meeting, including issues discussed and actions taken.

9. Method of Feedback and Grievance Redressal

- Set up a dedicated grievance Redressal committee to review and act on issues within a fixed timeline.
- Install grievance/feedback boxes in each department for anonymous inputs.
- Guide students regarding the hierarchy system if student face any issues they should know whom to approach.

10. Roles and Responsibilities of TA's:

A. Facilitate Classroom Activities: Assist teachers in organizing and facilitating classroom activities, discussions, and group exercises.

B. Mentorship: Provide one-on-one or group mentoring sessions to students, offering guidance on academic matters, study techniques, and time management.

C. Presentation Preparation: Help students prepare presentations to improve their communication skills and enhance their understanding of course material.

D. Academic Support: Offer additional academic support outside of regular class hours, such as holding review sessions or providing supplementary materials.

E. Personalized Learning: Identify individual learning needs and preferences among students, and provide tailored support to promote personalized learning.

F. Feedback and Evaluation: Provide constructive feedback on student presentations, assignments, and academic performance, aiming to facilitate improvement.

G. Administrative Support: Assist teachers with administrative tasks related to course management, such as grading assignments or organizing course materials.

ADMISSION

1. **Strategies for involvement of BFSSS students for admission**

   1). Organize 2 –3 counseling sessions for students so that they can select his/her course according to choice.

   2). Organize workshops for students regarding different subjects such as field work so thatthey can gain some knowledge before getting any admission.

   3). Provide training sessions of food processing and dairy technology which gives a great success.

2. **Strategies for involvement of external students for admission (UG/PG)**
   - **a.** Organize workshops for students regarding different subjects.
   - **b.** Organize visit of students in our department as well as in field.
3. **Strategies for enhancement of student conversion**
   - **a.** Contact to student through whatsapp.
   - **b.** Share promotional materials likeUSP's of course and placement details.
4. **Strategies for involvement of BFGIstudents to enhance admissions**
   - **a.** Mentors take counseling session of first year students so that they can guide their juniors to visit counseling cell to clear their doubts regarding their higher studies.
   - **b.** Share different scholarship policies with them so that they can share the same with their relatives or juniors to avail the same.

STUDENT PROGRESSION

S. No.	Program Name	Number of final year students	Placement Targets	Higher Education Targets	Competitive Study	Placements in BFGI Targets	Entrepreneur/ Startups/Self Employment Targets
1	B.Sc. (Hons) Agriculture	73	8	17	10	5	33

1. **Efforts for the placement of students**

- Conducting soft skills and aptitude training, resume-building workshops.
- Mock interviews can prepare students better.

2. **Efforts for the higher education of students**
    - Providing guidance for entrance exams, scholarships, and application processes will boost student confidence.
    - Conducting expert talks and alumni interactions can further inspire and inform students about academic pathways.
3. **Efforts for the competitive study of students**
    - Organize coaching sessions for exams
    - Invite successful candidates and expertsfor motivational talks and guidance on preparation strategies and time management.
4. **Efforts for the self employment/start-ups/ entrepreneurship of students**
    - Invite successful entrepreneurs and alumni for interactive sessions to share real- life experiences and challenges.
    - Organize business plan and start-up idea competitions to encourage innovation, and provide a platform for students to pitch their ideas to industry experts and investors.
5. **Efforts for the placement of students in BFGI**
    - Coordinate with HR and management to reserve a percentage of suitable openings for in-house student placements.
    - Train students on institutional expectations and skill requirements to align them with BFGI's work culture and standards.
6. **Efforts for the career guidance and counseling of students**
    - Use career assessment tools and psychometric tests to help students make informed and personalized career decisions.
    - Conduct regular career orientation sessions covering various career paths like jobs, higher education, competitive exams, and entrepreneurship.

FACULTY CAPACITY BUILDING

Sr No	Department Name	Total Faculty	Targets of faculty involvement in FDPs	Targets of faculty involvement in MOOCs	Targets of faculty involvement in Trainings	Targets of faculty involvement in workshops/ conference	Targets of faculty involvement in refresher/orientation
1.	Agriculture	39	39	5	39	15	3

Note: All the above-mentioned targets should be taken as per the department requirement for academic excellence and skill enhancement

CO-CURRICULAR AND TECHNICAL CLUBS

Sr No	Name of Technical/ Co-Curricular	Number of students participation	Number of activities
1	Cultural club	30	3
2	Sports club	25	1
3	Agrarian club	150	2

Action Plan:

Sr No.	Type of Activity	Activity Name	Date of Activity
1	Cultural Club	Day Celebration- Honey Day	20/08/2025
2	Cultural Club	Day Celebration- World Animal Day	03/10/2025
3	Cultural Club	Day Celebration- World Food Day	16/10/2025
4.	Cultural Club	Day Celebration- National Farmer Day	23/12/2025

ALUMNI CONNECT

1. Number of Alumni Connect Program (Targets)

2. Strategies and targets: To Identify and Engage Prominent Alumni
3. Alumni Meet and Convocation

Number of Alumni Connect Program (Targets)

♦ Alumni Interaction Programme : 2 Activities

COMMUNITY ENGAGEMENT

1. Unnat Bharat Activities (Targets)-2
2. Social Welfare activities-4
3. NSS Activities-4
4. Outreach and Extension activities-4
5. Physiotherapy Center-NA
6. Testing Lab- NA
7. IT Skills for society -NA
8. Soil and Water Testing- 2

Sr No	Community Engagement	Name of Activity
1	Unnat Bharat Activities	a. Awareness regarding different insecticides and pesticides in current cropping system. b. Need for crop diversification and organic farming.
2	Soil and Water Testing	a. Annual Soil health awareness and testing drive b. Corporate/Private farm Contracts

EVALUATION

1. Internal Evaluation Criteria
    - MST
    - Quiz
    - Assignment/Presentation
    - General Behavior and ethics
    - Certificate course/Live project/Field work • Group discussion

2. Number of Quiz tests through EDUMARSHAL: 2 per subject
    - Two per semester for each subject
3. Continuous Evaluation Performa
    - Class attendance
    - Performance in practical class throughout the semester

- Behavior in class
- Participation in group discussion
- Assignments
- Participation in co-curricular activities

4. High thinking order Skills
    - Incorporating case studies, problem-solving tasks.
    - Conducting regular group discussions, debates, and brainstorming sessions.
    - Organizing competitions on agri start-up ideas

APPLIED LEARNING AND EARN WHILE LEARN

Sr No	Name of Program	Number of students allowed under applied learning policy	Number of students benefitted under Earn While Learn Policy	Targets of students to be benefitted under Earn While Learn Policy
1.	B.Sc.Hons Agriculture	15	1	5

FEEDBACK AND GRIEVANCE REDRESSAL

1. Student 360 degree feedback
    - Collecting feedback from multiple sources through Google form or edumarshall
    - Conducting regular review meetings
2. TA feedback for faculty
    - Implementing a structured feedback form focused on teaching methods, clarity, student engagement, and support provided by the faculty.
    - Ensuring anonymous and unbiased submission
3. Student feedback for TAs
    - Schedule regular feedback collection (e.g., mid-semester and end-semester) to monitor TA performance continuously.
    - Review feedback in departmental meetings and share constructive insights with TAs for their improvement and development.
4. Grievance Redressal through EduMarshal

- Ensuring timely monitoring and resolution by setting a fixed turnaround time for each grievance raised through the EduMarshal platform.
- Assigning a dedicated grievance officer or coordinator to regularly review and update the status of complaints.

5. Grievance Redressal through Google Form
    - Create a well-structured Google Form with clear categories (academic, hostel, transport, etc.) to help students report grievances accurately.

6. Grievance Redressal Mechanism
    - Create multiple channels for grievance submission—online forms, physical drop boxes, and in-person meetings—to ensure accessibility and comfort. Note:- All above mentioned points to be performed by Principals. Department heads should focus on action taking plan.

DIGITAL ADVANCEMENT AND LEARNING

Total Number of Rooms: 12 + 1 (Smart room)

Total Number of Projectors: 7

1. Strategies to provide digital content for students through SWAYM/NPTEL etc.
    - Identifying relevant courses from SWAYAM/NPTEL aligned with the curriculum and recommend them to students semester-wise.
    - Assigning faculty coordinators to guide students in course selection, registration, and timely completion of assignments.
2. List of subjects to be aligned with any MOOC on SWAYM/NPTEL etc. portal
    - Agrometeorology MOOC course- Climate Change- Extreme Events (NPTEL) (12 weeks (Enrollment till 4 August 2025)
    - Principle of food science and nutrition – MOOC course - You and Your Food (IGNOU) (10 weeks (Enrollment till 15 Sept 2025)
3. Strategies for sharing of various online resources to students for flip learning
    - Creating a centralized digital platform (like Google Classroom, LMS, or WhatsApp groups) where all subject-wise videos, PDFs, and links are regularly uploaded.
4. Targets to engage students through virtual labs/simulation

- Integrating virtual labs into the regular curriculum and assign practical activities that must be completed online, ensuring hands-on digital experience.

PR INITIATIVES

1. Number of students to be participated in PR club (Targets).
2. Video/Written testimonials of Alumni (Targets)
3. Testimonials of Current students (Targets)
4. Strategies to update our institute website by sharing departmental USPs/Activities/Achievements.
5. Strategies to share all social media posts among each students and staff

S. No.	PR Initiatives	Targets
1	Number of students to be participated in PR club	5
2	Video/Written testimonials of Alumni	10
3	Testimonials of Current students	15

4. Strategies to update our institute website by sharing departmental USPs/Activities/Achievements.

- **Create a common content template** — so all departments can share their USPs, activities, and achievements in a uniform format.
- Highlight special courses, research, student achievements, and unique facilities.
- **Share recent updates** — like workshops, seminars, field visits, and community projects, using photos and videos.
- **Feature success stories** — alumni achievements and notable student projects.
- **Update regularly** — assign coordinators in each department to send updates monthly or quarterly.

5. Strategies to share all social media posts among each student and staff

- **Appoint student & staff coordinators-** Responsible for forwarding posts to their class or team groups.

- **Use institute email circulars-** Send important posts as part of regular newsletters or announcements.
- **Display on digital notice boards-** Share key posts (event flyers, achievements) on screens in campus areas.
- **Pin posts in Edumarshal portal-** Add to dashboards students and staff access daily.
- **Encourage reposting**– Motivate students and faculty to share on their personal social media for wider reach.

UNIQUE ACADEMIC PR

- Field-Based Experiential Learning
- Crop Cafeteria & Demonstration Plots
- Student-Led Farm Management
- Plant-Clinic and Soil Testing Facility

Proposal: BFGI Centre for Soil and Water Health Services

1. Objective

To establish a dedicated centre under BFGI that provides soil and water health testing, analysis, and advisory services to farmers, agricultural startups, rural households, government agencies, and researchers. The aim is to promote scientific agriculture, resource conservation, and environmental sustainability in Punjab and nearby regions.

2. Core Functions and Services

A. Soil Health Services

• Soil sampling and fertility analysis (pH, EC, NPK, organic carbon, micronutrients)
• Soil texture and structure classification
• Identification of soil problems (salinity, acidity, heavy metal presence)
•Farm-specific fertilizer recommendations
•Compost and organic manure quality testing

B. Water Health Services

•Analysis of irrigation and drinking water (pH, hardness, TDS, bacterial count)
•Detection of contaminants (fluoride, arsenic, pesticides, heavy metals)
•Evaluation of water suitability for agriculture and household use
•Rainwater harvesting planning

•Safe irrigation and groundwater recharge advisory

C. Training, Outreach & Consultancy

•Farmer awareness programs and field camps
•Crop-specific nutrient and irrigation management advice
•Customized water/soil health reports with digital records
•Collaboration with government departments and Krishi Vigyan Kendras

3. Beneficiaries

•Farmers and farm cooperatives
•Agriculture-based startups
•Students and researchers
•NGOs and Panchayati Raj institutions
•Rural households and industries using groundwater

4. Facility & Infrastructure Requirements

Component	Description
Lab Setup	2 rooms (approx. 1000 sq ft): one each for soil and water testing
Soil Lab Equipment	pH meter, EC meter, spectrophotometer, flame photometer, sieves, Kjeldahl unit
Water Lab Equipment	TDS meter, turbidity meter, UV spectrophotometer, microbial testing kits Field
Equipment	Soil augers, field testing kits, GPS units
Support Infrastructure	Sample storage units, furniture, digital reporting system, safety gear
Software	Soil/water report generation, GIS mapping of fertility and water tables

5. Operational Plan & Sustainability

- Working Hours: 7 days/week, 9:00 AM to 4:00 PM
- Sample Charges: Nominal for farmers; standard rates for institutions or private clients
- Sustainability Model:
- Revenue through testing services
- Collaborations with CSR-funded projects
- MoUs with agriculture departments
- Government and private consultancy projects

6. Key Outcomes Expected

•1000+ soil and water samples tested annually
•Farm-specific nutrient and irrigation plans issued

•Awareness creation among 2000+ rural stakeholders

•Support to students in research and internships

•Policy-level collaboration for environmental and agri-health mapping

7. Lead Responsibility

Dr. Surbhi Sharma Head, School of Agricultural Sciences, BFGI She will coordinate the planning, operations, and growth of the Centre and report periodically to the Director and Principal. She will also serve as the liaison with government departments, farmers, and other partners.

CROSS DEPARTMENT COLLABORATION

1. Strategies and possibilities for Cross Department Collaboration
    - Soil and Water Testing Research with Chemistry Department
- Sustainable Farming Projects with Environmental Science Department and biotechnology

VALUE BASED EDUCATION

1. Planning of Lectures of Ms. Navninder Dhillon, Dean MEC, BFGI
2. Planning of Lectures of IKS