

INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

PHASE-III

Submitted by



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INSTITUTIONAL DEVELOPMENT PROPOSAL (IDP) **(Implementation Period: April 2017- March 2020)**

2.1 Executive Summary of the IDP

Vision: *DEI Faculty of Engineering envisions ourselves growing into an institute of global stature which nurtures inquisitive young minds, fosters innovative research in smart vehicles, brain consciousness, smart campus, footwear design studio, solar energy with smart grids, internet of things (IOT) and advanced manufacturing encompassing 3D printing; and reaches out to society at large-all the while incessantly improving upon itself.*

Mission: *To evolve a 'Complete Man', i.e., a well-rounded person whose hallmarks are intellectual strength, emotional maturity, truthfulness, general awareness, devotion to duty, high moral character, simple living, scientific temperament and societal commitment.*

DEI Faculty of Engineering, the erstwhile DEI Engineering College was founded on 17th July 1950 by His Holiness Param Guru Huzur Mehtaji Maharaj also known as Rai Bahadur Gur Charan Das Mehta, an Eminent Civil Engineer and Chancellor Medalist of Thomson College of Civil Engineering, Roorkee, in response to the country's need for trained technical man power. It became a part of the Dayalbagh Educational Institute (Deemed University) in the year 1981. The Dayalbagh Educational Institute is "A" grade NAAC accredited and ISO 9001:2008 Certified University. In 2009, in a review of the 130 Deemed Universities conducted by the Ministry of Human Resource Development, Government of India, DEI was placed in "A" Grade 8th position among all 130 Deemed Universities. The Faculty has held aloft the beacon of knowledge, research and education in the field of Engineering throughout its existence. Its innovative and comprehensive scheme of education aims at excellence but not at the cost of relevance. It encourages initiative and creative work, which is interdisciplinary and which prepares the student for the increasingly techno-oriented society of tomorrow, refer figure-1, figure-2. The Dayalbagh Educational Institute has embarked upon a bold initiative, **VISION 2031** and formulated a comprehensive and progressive Strategic Plan for 2012-2031, with the goal to become a top teaching-cum-research Institute through an exemplary system of education. Being an integral part of the Vision 2031, the Faculty of Engineering is committed to establish Total Quality Management across all its activities. The proposed IDP of TEQIP-III of the faculty encompassing undergraduate and postgraduate education, research, infrastructure, information and communication technology and campus development would go a long way in achieving the five year targets of the Vision Plan.

Keeping in line with the Institute's unique scheme of innovative, comprehensive, interdisciplinary and value-based education that fosters academic excellence with holistic development, the proposed IDP is a road map for providing an environment to produce well-rounded students who are ready to take on challenges and be leaders with a fine blend of top quality academics, work-experience and a strong value system.

Our core programme – the hallmark of our education – distills the tenets of the DEI Education Policy into the education of students of ALL our Programmes. This is an immutable programme – in the face of progress in all other sectors our core courses will retain a central position in our education.



Figure-1: Initiative, Innovation and Excellence the way of Faculty of Engineering, DEI

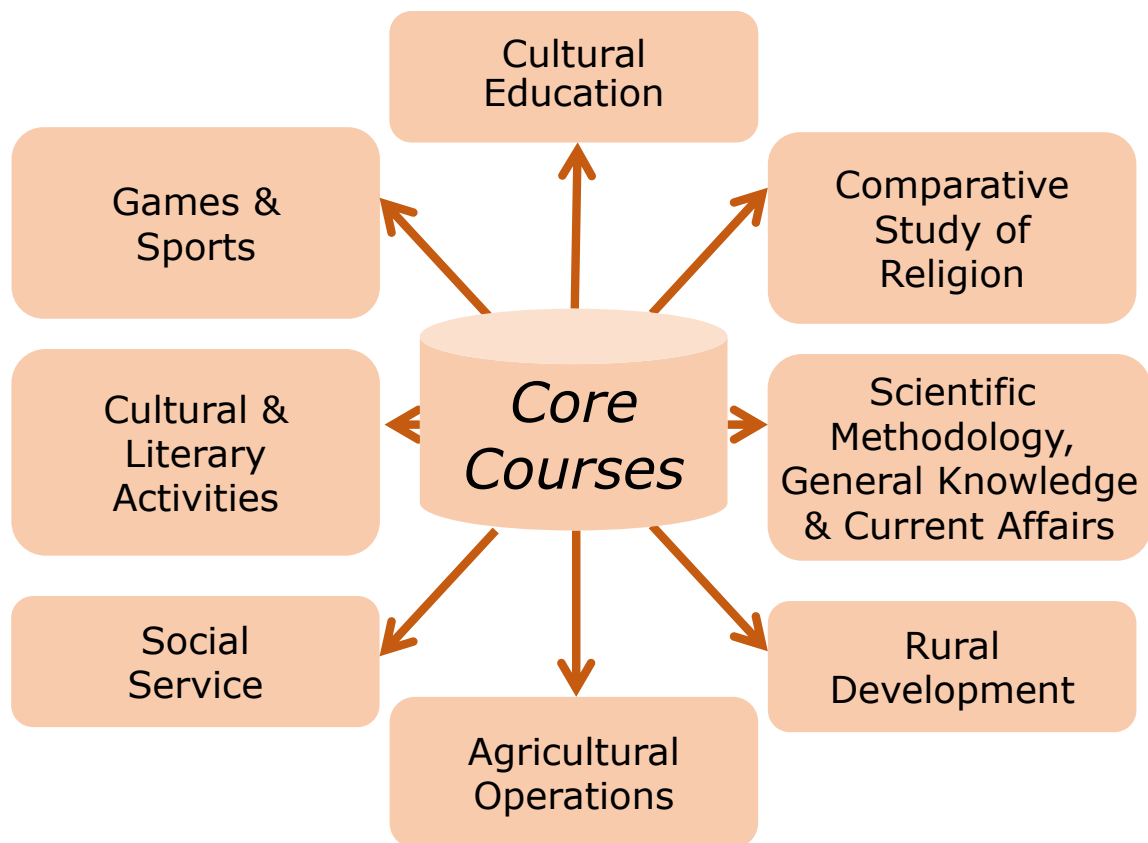


Figure-2: Core Program offered to students

The Faculty Training and Placement Cell (FTPC) of the Faculty of Engineering, DEI is performing well and over 92% of the students are getting campus placement in many MNCs in the country. A good number of students every year score very high in GATE as well as CAT, GMAT, GRE exams and pursuing higher studies in premier institutions in India as well as abroad. Professional societies like IEI, IIE, IEEE, ISTE, and Systems Society of India (SSI) are functioning well in this institution.

The DEI Faculty of Engineering is having a very good proximity with the many industrial and other research organizations. Frequent interactions with the industries like ADRDE (DRDO), L&T, Tata Motors Limited, Torrent Power Limited, CDAC, FTTI, Cadence Design Systems, Texas Instruments, Freescale Semiconductor, CEMEF France, BELL Labs, University of Waterloo, etc. help faculty as well as students to get value addition in their domain.

With the recent establishment of the Quantum and Nano Systems Centre (2010), the Centre for Consciousness Studies (2011), DEI Faculty of Engineering has put in place the foundation for bringing together a strong trans-disciplinary research programme in these leading fields of research. With facilities like SQUID Devices, interference free chamber for brain mapping established. Research on super intelligence will act as a development and incubation facility for High Machine IQ Technologies.

An International Conference on “IEEE R10 Humanitarian Technology Conference (IEEE HTC 2016)” has been organized during December 2016. An International School on

“Quantum and Nano Computing Systems and Applications (QANSAS 2016)” has been organized during November 2016.

DEI Faculty of Engineering has punctual Examination and transparent evaluation system.

The Faculty offers number of programmes at the undergraduate, postgraduate and doctoral levels. The courses offered by the Faculty Engineering are AICTE approved and its departments are sponsored by DST - FIST & UGC - SAP.

Programmes offered by the Faculty

Undergraduate Studies

1. Four Year Bachelor of Technology (Full Time)
 - Civil Engineering
 - Electrical Engineering
 - Footwear Technology
 - Mechanical Engineering
2. Bachelor of Technology in Electrical Engineering (Part Time)
3. Integrated Dual degree Courses
 - B.Com. / B.B.A. integrated Footwear Technology Dual Degree

Postgraduate Studies

1. M.Tech. in Engineering Systems (Full Time)
2. M.Tech. in Engineering Systems with Specialization in Computer Science (Full Time)
3. M.Tech. in Engineering Systems (Part Time)
4. Doctor of Philosophy
5. Integrated B.Tech. and M.Tech.
6. Integrated B.Tech. and M.B.A.
7. Integrated B.Tech., M.Tech. and Ph.D.

Following is the Institutional Development Plan with department-wise allocation for a duration of three years:

Department	Year						Total allocation per department (Crores of Rs.)
	2017-18		2018-19		2019-20		
	Procurement (Crores of Rs.)	Other (Crores of Rs.)	Procurement (Crores of Rs.)	Other (Crores of Rs.)	Procurement (Crores of Rs.)	Other (Crores of Rs.)	
Electrical Engineering	0.6	0.3	1.0	0.4	0.2	0.5	3
Mechanical Engineering	0.6	0.4	1.0	0.4	0.2	0.4	3
Civil Engineering	0.4	0.4	1.0	0.4	0.4	0.4	3
Footwear Technology	0.6	0.2	1.0	0.4	0.2	0.6	3
Central Facilities	0.6	0.4	0.6	0.4	0.6	0.4	3
Year wise total	2.8	1.7	4.6	2.0	1.6	2.3	15

The **IDP** specifically addresses the following:

Systematic transformation for excellence, demand drawn, quality-conscious, futuristic and responsive to changes in the market, empowering the faculty with better facilities and opportunities for R&D, very significant improvement in the overall functioning and academic ambience will be achieved

(i) Improving the learning outcomes of the students through:

- Faculty training:
 - Facilitating faculty members to enhance their educational qualifications
 - Organizing conferences/ seminars/ symposia/ workshops/ training programme
 - Limited financial support for attending orientation and refresher courses/ conferences/ seminars/ symposia/ workshops/ training programmes
 - Limited financial support for visiting premier institutions (centres of excellence) and industry
 - Improving awareness on intellectual property rights (IPR)
 - Limited financial support for becoming members of various professional and technical societies/ associations.
 - Conducting training programs on research methodologies and organising regular research colloquia
 - Organising pedagogy development programmes for Engineering discipline
 - Formation of a centre for technology transfer and facilitate incubation, patenting, and entrepreneurship development through in-house research.
- Technical & administrative staff training:
 - Organising soft-skill development workshops and technical training programmes for vocational courses
 - Sending them for short-term training programmes
 - Conducting programmes to inculcate and enhance knowledge transfer and to improve the in-house maintenance skills
- Strengthening the UG, PG, and PhD programmes by:
 - Introducing mandatory PhD Colloquia
 - Formal training on soft-skills to enhance employability
 - Limited financial support for journal publication and for attending conferences within the country
 - Organising bridge programmes to train students in interdisciplinary areas
- Investing in smart classrooms, campus Wi-Fi, e-library, etc.:
 - Establishing modern and state-of-the-art laboratories
 - Upgradation of existing centres/laboratories/library
 - Increasing the number of e-classrooms, converting regular classrooms into e/smart classrooms, and setting-up of video-conferencing meeting rooms
 - Implementing online examination and evaluation system
 - Establishing facility for development of multimedia e-content
 - Facilitating on- and off-campus hour access of learning material through e-books
 - Subscribing relevant online journals and periodicals
- Improving the academic performance of SC/ST/OBC/academically weak students through innovative methods for increasing the transition rate, non-cognitive skills and pass rate:
 - Encouraging talented students to get awards, scholarships, prizes, fellowships

- Providing on-campus work opportunities for economically weak students
 - Setting-up a formal programme to facilitate peer-assisted learning to support academically weak students. Also conducting remedial classes for them
 - Providing soft/communication/professional skills through workshops
 - Instituting academic and non-academic reforms including programme flexibility:
 - Increasing the frequency of curriculum restructuring/ revision workshops depending upon the need
 - Introducing the flexible curricula in phased manner to broaden the base of Engineering by opening non-departmental electives from diverse areas
 - Revitalization of core programmes
 - Strengthening our innovations in education
 - Planning and implementing choice-based credit system
 - Organising workshops to develop a framework of modular structure for UG & PG
- (ii) Improving the employability of the students by:
- Increasing interaction with industry:
 - Increasing frequency of educational industrial visits
 - Reinforcing co-op programme through bi-directional mentoring activity
 - Extending the students' co-op projects as their final year projects
 - Utilizing the expertise of Institute Professors to benefit the Industry optimally
 - Performing more industrial jobs in the Institute. Also helping industries in R&D of new products through industry institute partnership cell (IIPC)
 - Consulting industry experts in designing the curriculum for various trades
 - Exploring possibility of signing more MOUs with premier institutions/ industry
 - Inviting renowned persons from premier institutions/ industry
 - Supporting students to undertake innovative industry-oriented projects
 - Sensitising students for career in civil services
 - Student career counseling and placement:
 - Exploring the possibility of intense alumni interaction
 - Conducting special classes to qualify various competitive examinations
 - Making student placement team consisting of pre-final year and other lower classes students more active to assist the placement officer
 - Provision for student activity centre (SAC) is envisioned
 - Organising special lectures by experts from reputed institutions and industries
 - Arranging campus and off-campus placement drives for better placement
 - Motivating students to become job provider rather than job seeker
 - Enrichment of sports, games and other facilities
 - Upgrading/creating new indoor games facilities
 - Retrofitting of all cafeteria facilities to make them meeting places
- (iii) Improving faculty productivity and motivation through sponsored research, consultancy and other revenue generating activities:
- Promoting teaching excellence in faculty through regular workshops
 - Institute teaching excellence fellowships for outstanding teachers
 - Introducing a 5-year high-level assessment of individual research programmes
 - Encouraging faculty members to have at least one major research project
 - E-book writing, peer-reviewed journal publications, etc.
 - Encouraging researchers for filing patents and for doing quality research

Proposed outcomes of project include but not limited to:

- Smart DEI Campus including IOTs for various applications
- Footwear Design Studio
- Integration of various renewable energy sources like solar, wind, biomass, etc. and development of energy management system leading to green campus
- Additive and advanced manufacturing
- E-mobility on campus and incubation for EV development
- Science of Consciousness

The detailed objectives and timelines to fulfil the above are presented in the Institutional Development Plan given in the next section.

The above proposal has the approval of Governing Body (Board of Governors) of the Institute.

2.2 Provide an action plan with timelines for: (not more than 1 page for each sub-activity)

(a) Improving the learning outcomes of the students

1. Faculty Training (qualification up-gradation, subject up-gradation& research competence, Pedagogical training, participation in conferences, seminars/workshops etc.)

- A. Facilitating Faculty members to enhance their educational qualifications by providing them state-of-the-art infrastructure (laboratories, library etc.), space and time.
- B. Assisting Faculty members in attending various Faculty Development Programmes (FDPs), Short-term training programmes, Workshops, Orientation Courses, Refresher Courses, etc.
- C. Organizing Conferences/ Seminars/ Symposia/ Workshops/ Training programmes in the Institute.
- D. Providing financial support to Faculty members for attending Conferences/ Seminars/ Symposia/ Workshops/ Training programmes outside the Institute.
- E. Providing financial support for visit of Faculty members to Premier Institutions (Centres of Excellence) and Industry to acquaint with latest technological advancements/facilities that may be setup in the laboratories for providing state-of-the-art training to the students.
- F. Inviting renowned persons from premier institutions and industry for strengthening the existing academic programmes as well as to start new programmes.
- G. Improving awareness on Intellectual Property Rights (IPR) and encourage faculty and students to obtain patents.
- H. The Faculty members will be motivated to visit and interact with the industry and start joint/collaborative projects with industry to facilitate good quality UG and PG projects with relevance.
- I. Presently the institute has nearly 10 MOUs with premier academic institutions in India and abroad and with industries. The institute follows-up these MOUs with active collaborations and does not use them as merely paper decorations. Signing of more MOUs will be explored with reputed Institutes/ industries for exchange of Students, Faculty, Joint courses and collaborative research while some are in pipeline.
- J. Providing financial assistance to Faculty members for becoming members of various professional and technical societies/ associations.

- K. Regular research colloquia for sharing and upgrading the knowledge and research competence among teachers and research scholars.
- L. Conducting Training Programs on Research Methodologies by experienced Professors of the Institute and also eminent academics and scientists from outside.
- M. Pedagogy development programme for Engineering would be conducted every year for developing new pedagogies with modern ICT enabled tools relevant to fast changing Engineering disciplines.
- N. Formation of a Centre for Technology Transfer and facilitate incubation, patenting, and entrepreneurship development through in-house research.
- O. Subscribing national and international e-journals.

Activity	Timeline (Year)		
	2017-18	2018-19	2019-20
A			
B	3	6	6
C	2	3	4
D	3	6	6
E	2	3	4
F	4	8	8
G			
H	4	6	8
I			
J	4	6	8
K	2	3	3
L	2	2	2
M			
N			
O	4	6	8

*These are minimum numbers.

2. Staff training (Technical & Administrative staff)

- A. Soft-skill development workshops will be organized in the Institute regularly for training technical as well as administrative staff to enhance IT and communication skills e.g. effective use of MS Office Tools, etc.
- B. Technical staff will be sent for short-term training programmes to various technical training providers such as MSME Centre, NITTTs, IDTRs, etc. to enhance their work-based skills.
- C. Programmes will be conducted for non-teaching staff members in their own field to inculcate and enhance Knowledge Transfer (KT), and to improve the in-house maintenance skills.

- D. To organize technical training programmes for vocational courses, and extend the same for the technical staff of other institutions.

Timeline			
Activity	Year		
	2017-18	2018-19	2019-20
A	2	1	1
B	2	2	2
C			
D	1	1	1

*These are minimum numbers.

3. Increasing capacity of UG, PG and PhD education (increasing enrollment and starting new UG, PG and PhD programmes): Continuous activities

- A. New programmes such as B.Tech. (Civil Engineering) and B.Tech. (Footwear Technology) have started in 2013, and 2014 respectively.
- B. Strengthen the UG, PG, and PhD Programme:
- Introduce mandatory PhD Colloquia in all Departments
 - Formal training on Soft-skills to enhance employability
 - Limited financial support for journal publication.
 - Limited financial support for attending conferences within the country.
 - Organising Bridge programmes to train students in interdisciplinary area.

4. Investing in smart classrooms, campus Wi-Fi (24*7 broadband connectivity and Wi-Fi access in all academic and administrative buildings and hostels (with a minimum of 2 MBPS speed for each connection)), e-library etc.: Continuous activities

- To increase the number of e-classrooms and to convert regular classrooms into e/smart classrooms.
- To implement online examination and evaluation system to augment the continuous evaluation system.
- To establish facility for developing multimedia e-content.
- To support faculty members in developing e-content of the courses.
- To facilitate on and off-campus hour access of learning material through e-books.
- To subscribe relevant online Journals and periodicals.
- Strengthen the Library System.
- Provide online access to all essential research-aligned journals.
- To increase number of titles every year.
- To create online catalog.
- To link all Library Databases.

- To expand the Faculty of Engineering Multimedia Lab to provide facility for multiple simultaneous transmissions.
- To setup Video Conferencing Meeting Rooms (One per department).

5. Improving the academic performance of SC/ST/OBC/academically weak students through innovative methods, such as remedial and skill development classes, peer assisted learning for increasing the transition rate, non-cognitive skills and pass rate: Continuous activities

- To increase number of UG Scholarships for Talented students in all Departments.
- To introduce an encouragement programme for talented students to get awards, scholarships, prizes, fellowships.
- To provide more systematic on-campus work opportunities for economically weak students.
- To facilitate peer-assisted learning mechanism and support academically weak students with the help of bright students, a formal programme will be setup and run. A suitable remuneration will be offered to the student tutors for their time and effort.
- To organise remedial-assistance classes for academically weak students who could not secured pass grades in earlier exams from the beginning of the academic session.
- To provide soft/communication/professional skills through workshops.

6. Instituting academic and non-academic reforms including programme flexibility (Is there any need to revise the curriculum? When it was last revised?): Continuous activities

- Curriculum revision/restructuring takes place regularly or when need arises after discussing with experts from industry and institutions of repute. The frequency of Curriculum Restructuring/Revision Workshops will be increased depending upon the need.
- Workshop on Curriculum Update by all departments
 - Comparison with peer institutions
 - Assessment of alumni and employers
 - Level of faculty-student interaction.
- To introduce flexible curricula in phased manner.
- Revitalization of the Core Programmes.
- Strengthening our Innovations in Education.
- Course Notes, Question Papers and Question Bank review.
- Planning and Implementing choice-based credit system.
- Broadening the base and making Engineering curriculum more flexible by opening non-departmental electives from diverse areas such as music, fine arts, quantum mechanics, etc. to enable the

students to choose according to individual interests and preferences.

- To organise workshops to develop a framework of modular structure for B.Tech. and M.Tech. This would enable the students to complete the degree at his/her own pace.

(b) Improving employability of the students

7. Increasing interaction with industry (What are the industries located in the vicinity? What role of industry is perceived for the institute?):

Continuous activities

- Educational Industrial Visits are organized as part of Course work to make students aware of latest industrial practices. Students have to visit Industry once in a year. The frequency of Industrial visits will be increased which will be funded or supported by the Institute. Students will be expected to arrange these visits by their own.
- Increase close ties with industry through Alumni for appointment of Adjunct Professors.
- Co-operative Education & Career Services Centre (CECSC) will administer the co-operative education system and career-related services. CECSC will act as a liaison among Students-Employers-Alumni.
- There is a compulsory course titled 'Co-operative Education Programme'. After completing Third Year B.Tech., Students have to go to Industry for Co-op Internship for 5 months. Reinforcing Co-op Programme through bi-directional mentoring activity from the project funding.
- Unique aspects of Co-op Programme of the Faculty. A sandwich of: Work Term + Online courses + Academic Term + Industry projects.

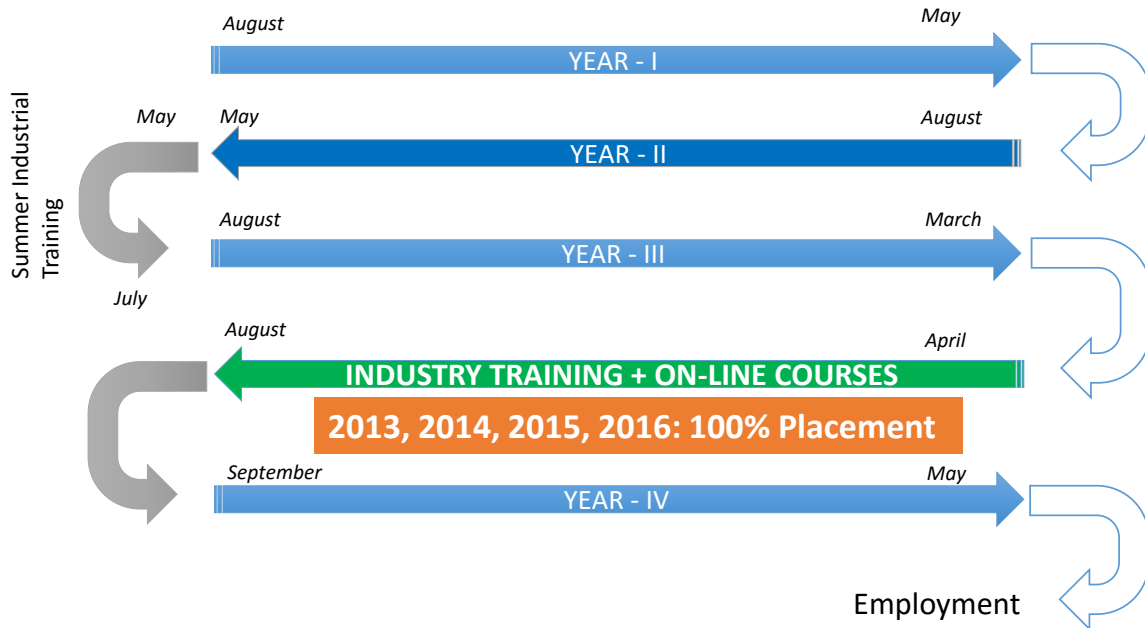


Figure-3: Unique aspects of Co-op Programme of the Faculty of Engineering, DEI

- The projects initiated during the Co-op Programme will be extended as the final year projects of the students. The expertise of Institute Professors will be utilized so as to benefit the Industry optimally.
- The Institute has Industry Institute Partnership Cell (IIPC) which was formed in the Institute with the objective to bridge the gap between the Industry and Academia and is active since the last 15 years. IIPC is also responsible for organizing various workshops, short-term courses, etc. with participation from Industry. We will increase the interaction with the Industry to obtain more industrial jobs to be performed here in the Institute. The Institute will also help in research and in developing new products for Industry.
- The industry experts are already nominated as the members of Board of Studies, Faculty Boards and Academic Council and this need further strengthening. While designing the curriculum for various trades, industry experts will be consulted to include subjects in the curriculum so that the latest industry trends are addressed.
- Signing of a number of MOUs with the relevant Industries for having Faculty/Expert and student exchange programmes to optimally utilize the expertise of both the parties.
- Inviting more industry experts for conducting lectures on industrial practices, safety and trends.
- Regular workshops, seminars, conferences etc. will be jointly organized with the industries.

- Providing financial support from the institute/industry to students undertaking innovative industry-oriented projects.
- To sensitize students for career in Civil Services through on-campus coaching and awareness schedules by men in active service.

8. Student career counseling and placement: Continuous activities

- We have a Career Counseling Cell, Faculty Training & Placement Cell, and a strong Alumni support through APAC (Alumni Placement Assistance Cell) and AADEIs (The Association of Alumni of Dayalbagh Educational Institutions). There is possibility of intense Alumni interaction through Lectures, Talks, Practice Sessions and assistance in placements.
- Additional course on career guidance is included in the curriculum and the lectures from competent faculty/industry experts within the institute and outside are arranged weekly to guide the students to select their career.
- Special coaching classes are proposed to be conducted with an aim to assist students in qualifying various competitive examinations of repute with the project funding.
- Special Lectures/Counseling on:
 - Communication skills,
 - Resume writing
 - Skilling
 - Confidence Building
 - Art of facing interview
 will be conducted for the students to make them industry ready and enhance their employability.
- Student placement team consisting of Pre-final year students and other lower classes students will be made more active to assist the placement officer in conducting placement drive. The student team will learn the various processes and guide their classmates for future.
- Provision for student activity centre (SAC) is envisioned wherein students will be given responsibility to organize various events independently to develop leadership qualities among them and explore their talents.
- Special lectures series by experts from reputed institutions and industries will be organized for the benefit of the students.
- Campus and off-campus placement drives will be arranged for better placement of the students. Job fairs in consultation with various industries will be organized for placements.
- Students will be motivated to become job provider rather than job seeker. This requires development of Entrepreneurship mind set.

Adequate funds will be provided to the students for these activities. Various incubation centres and tinkering labs will be created in the Institute to promote these activities and improve skilling among students.

- Enrichment of Sports, Games and Other Facilities.
- Committee to Study SAC Models and generate proposal.
- Upgrade or create new indoor games facilities.
- Retrofitting of all Cafeteria Facilities to make them meeting places for discussions.

(c) Increasing faculty productivity and motivation

9. sponsored research, consultancy and other revenue generating activities: Continuous activities

- Department of Mechanical Engineering and Department of Electrical Engineering of the Faculty of Engineering are UGC-SAP and DST-FIST sponsored departments. They also receive funding for their various research and consultancy projects from AICTE, ADRDE, DRDO, MHRD, UP State Govt., etc.
- Promote teaching excellence in faculty through regular Workshops.
- Institute Teaching Excellence Fellowships for Outstanding Teachers.
- Introduce a 5-year high level assessment of individual research programmes.
- Ensure each faculty member to have at least one major research project.
- Explore Industry tie-ups for research funding (in synchronism with hiring of Adjunct Faculty).
- E-Book Writing, Peer Reviewed Journal Publications etc.
- Modern and state of the art laboratories will be established with advanced equipment for teaching and research.
- The focus on R & D will be on improving existing technologies and developing indigenous equipment's for enhancing productivity & modernization.
- Encouragement to the researchers for filing patents and doing good research at Ph.D. level.
- Provision of incentives to faculties and research associates.

2.3 Provide an action plan with timelines for

1. Obtaining autonomous institution status from UGC

NOT APPLICABLE

2. Improving the NBA accreditation status

NOT APPLICABLE

2.4 Describe the following in brief:

1. Is any enhanced assistance / mentoring that the institution is looking forward from its ATU?

NOT APPLICABLE

2. Does your BoG need strengthening, if yes, then how?

NO. We already have a competent BOG with representation from UGC/MHRD and State Govt.

3. Is there an ERP/MIS system existing, if yes, then any improvement, modification suggested.

- The Institute has its own ERP/MRP system running since decades but it needs strengthening. We will try to incorporate latest technological features in to the existing system such as Facility to take Online class attendance, Facility to conduct Online Daily Home Assignments, surprise tests, etc.
- The course management system will be enriched with more user-friendly features.

4. Is there any mechanism i.e. special classes being conducted in the institution for improving the GATE score?

- Yes. The special classes/lectures are delivered by some Senior Faculty Members and Alumni of the Institute to enhance the performance of students in the GATE and other competitive examinations. This will be further enhanced and made more rigorous.

2.5 Provide a Twinning Plan with a high performing institute with the objective of capacity building knowledge transfer and developing long term strategic partnerships (Twinning plan will be formalized into Twinning agreement after finalizing the twinning partner).

- Setting up formal exchange programmes under MOUs.
- Identify Department-wise programmes - setup contact points.
- Identify formal procedures for student selection.
- Actively promote student exchange with Credit sharing.
- Strengthen existing MOUs / Explore New MOUs.
- Float Joint courses – at least one per MOU University using ICT.
- Actively promote joint supervision of Ph.D. Theses.
- Actively promote joint research projects.
- Promote offering joint Degrees and Certificates.
- Plan and start sending students for PG and Doctoral work.

- Introduce International Colloquium Series using ICT.

2.6 Is there any difficulty in Recruitment and selection of high-quality faculty? If yes, what are the reason & action plan to solve the issue?

NO

2.7 Give an action plan for ensuring that the project activities would be sustained after the end of the Project.

- The institution will establish a Sustainability Fund in which at least 8% of the revenue will be deposited every year. These funds will be used to ensure sustainability of reform process beyond the project period. These funds will not be utilized during the project period for various activities.
- At the end of the project period it is envisaged that the institution will be able to achieve the expected objective of improved learning outcome and employability of graduates. By providing the facilities, and also with various support available from the UGC along with various internal revenue generated through various programmes in the project, it is possible for the sustenance of the project beyond the project period.

2.8 Describe briefly the participation of departments/faculty/students in the IDP preparation.

- The inputs from all the Departments (consisting of various faculty members) and Students are taken to compile the Institutional Development Proposal (IDP).