DELHI TECHNOLOGICAL UNIVERSITY

Minutes of
1st Meeting

PLANNING BOARD
OF THE UNIVERSITY

Date   :   26.04.2019

Time   :   11:30 a.m.

Venue   :   Room No. 307, 2nd Floor,
               Administrative Block, DTU

DTU Campus, Shahbad Daulatpur, Bawana Road, Delhi-110042

Delhi Technological University

(Established by Govt. of NCT of Delhi vide Act 6 of 2009)

(Formerly Delhi College of Engineering)

Minutes of 1st meeting of the Planning Board held on 26th April, 2019 at 11:30 a.m. in Room No. 307, 2nd Floor, Administrative Block, Delhi Technological University, Delhi - 110042 is as follows:

The following members were present:

1. Prof. Yogesh Singh, Vice Chancellor, Delhi Technological University.
2. Prof. S.K. Garg, Pro Vice Chancellor, Delhi Technological University.
3. Prof. I.K. Bhat, Vice Chancellor, Manav Rachna University
4. Prof. J.P. Saini, Vice Chancellor, Netaji Subhash University of Technology.
5. Prof. Anu Singh Lather, Vice Chancellor, Ambedkar University.
6. Prof. Samsher, Professor, Deptt. of Mechanical Engg. and Registrar, DTU

Padma Shri Prof. Pritam Singh, Former Director, IIM Lucknow and Prof. Prem Vrat, Pro Chancellor, NorthCap University, Gurugram could not attend the meeting due to their pre-occupation.

Sh. D.P. Dwivedi, I.A.S.(Retd.),), Srishti Sharma and Vishal Garg (MBA students), Annu Mehar and Rachit Gupta (B.Tech students) and Mudita Saxena (M.Tech student) also attended the meeting as special invitees.

Agenda 1.1 : Opening remarks by the Chairperson.

The Hon'ble Vice Chancellor welcomed the members of the Planning Board in its 1st meeting held on 26.04.2019 and ensure the house that henceforth, the meeting will be held regularly as mandated in the DTU Act. He further informed that the NAAC committee for accreditation is scheduled to visit in the university very shortly.

He also informed the house that the draft Strategic Plan (2019-2030), being present today has been discussed in the first Deans meeting followed by the meeting of Heads and Branch In-charges.

Agenda 1.2 : To consider and approve the Strategic Plan 2019-2030 of Delhi Technological University.

It was submitted to the Planning Board that the University has envisaged to formulate its Strategic Plan 2019-2030 for the proper growth and development of the University. Accordingly, the Strategic Plan for 2019-2030 based on the future requirements was prepared indicating various activities to be implemented in the next ten years. The drafted Strategic Plan 2019-2030 was placed as under:

STRATEGIC PLAN 2019-2030

An Illustrious Journey Since 1941

"We pay our respect to people of Delhi, Hon'ble Chancellor of Delhi Technological University and Government of NCT of Delhi for providing us excellent students, outstanding teachers and human resources, state-of-the-art infrastructure and liberal grants."

OUR VISIONARY LEADERS

Principals

Prof. W. W. Wood	**Prof. R. G. P. S. Fairbairn**	**Prof. S.C. Sen**	**Prof. J. N. Moudgil**
Jan. 1941 to Aug. 1946	Sept. 1946 to Sept. 1949	Sept. 1949 to Dec. 1966	Feb. 1968 to April 1971

Prof. R. C. Narayanan	**Prof. M. L. Mandal**	**Prof. N. L. Sachdeva**	**Prof. D. Goldar**
Feb. 1972 to May 1980	June 1980 to July 1989	Aug. 1999 to Feb. 2003	Feb. 2003 to Aug. 2003 and Oct. 2006 to Dec. 2007

OUR VISIONARY LEADERS

Principals

Prof. Ashok Bhattacharyya

Jan. 2008 to Aug. 2008

Prof. P.B. Sharma

Dec. 1990 to Aug. 1999
Aug. 2003 to Oct. 2006
Aug. 2008 to July 2009

OUR VISIONARY LEADERS

Hon'ble Chancellors

Shri Tejendra Khanna
July 2009 to July 2013

Shri Najeeb Jung
July 2013 to Dec. 2016

Shri Anil Baijal
Dec. 2016 to till date

OUR VISIONARY LEADERS

Vice Chancellors

Prof. P.B. Sharma
July 2009 to July 2014

Prof. Pradeep Kumar
Aug. 2014 to Sept. 2015

Prof. Yogesh Singh
September, 2015 to till date

1. Introduction

1.1 About the University

Delhi Technological University (DTU) is a non-affiliating, teaching and research university at Delhi to achieve excellence in Science, Engineering, Technology, Management and Allied areas and matters connected therewith or incidental thereto. The university enables students to face the wide-ranging changes taking place in the fields of Science, Technology, Environment and Management. This includes innovation, design, development, construction, production, managerial and entrepreneurial activities. The university lays great emphasis on assisting students in the development of national character, self-confidence, leadership and fostering an ecosystem for creativity and imagination.

This institution was initially established as Delhi Polytechnic in 1941 to cater to the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The same was renamed as Delhi College of Engineering in 1965 and was further reconstituted as Delhi Technological University by the Government of NCT of Delhi in 2009. The university was recognized under Sections 2(f) and 12(b) by University Grants Commission under UGC Act, 1956 on 10.07.2009 and 17.12.2012 respectively. The university was awarded ISO 9001:2015 certification on 27.11.2018. Five B. Tech. Programs (Bio Technology, Computer Engineering, Civil Engineering, Electrical Engineering, and Production and Industrial Engineering) were accredited by National Board of Accreditation (NBA) on 26-07-2017. In the Year 2018, DTU was ranked 5th by Times and 7th by India Today respectively among all Engineering Institutions in India. The university, in 2019, has been ranked 34th, 47th and 71st in Engineering, University and Overall Categories respectively by National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development (MHRD), Government of India.

This premier institution is globally well-known for its outstanding education, research, and innovations. The university currently offers various inter-disciplinary and industry relevant-programs in Science, Technology, Management, and Allied areas at both the undergraduate and postgraduate levels. The university has established a strong academia-industry interface and has collaborations with reputed research organizations, industries, and premier institutions.

1.2 Vision

"To be a world class university through Education, Innovation, and Research for the service of humanity."

1.3 Mission

1. To establish centres of excellence in emerging areas of Science, Engineering, Technology, Management and Allied areas.
2. To foster an ecosystem for incubation, product development, transfer of technology and entrepreneurship.
3. To create environment of collaboration, experimentation, imagination and creativity.
4. To develop human potential with analytical abilities, ethics and integrity.
5. To provide environment friendly, reasonable and sustainable solutions for local and global needs.

1.4 Core Values

- **Integrity** – We do what we say through trust, transparency and honesty.
- **Compassion** – We foster civilized mindset for kindness, consideration, and benevolence.
- **Commitment** – We dedicate ourselves completely to all our Endeavors.
- **Creativity** – We nurture innovation, imagination, and ideation.
- **Collaboration** – We promote team work through togetherness, harmony and acknowledgement.
- **Inclusion** – We embrace diversity with respect, acceptance and affirmation.

1.5 Quality Policy

The university is committed to achieving global standards of excellence in the field of Science, Technology, Management and Allied areas by disseminating knowledge through cutting-edge research, education and innovation. We adopt best practices to maintain high standards in the core and allied functions through continuous evaluation and improvement of our processes.

AN ILLUSTRIOUS JOURNEY SINCE 1941
Points of Pride

2 Campuses

11,019 students

Eminent Faculty

Research and Innovation

TEQIP-III & GIAN

DTU Innovation & Incubation Foundation

Placements in Top Companies

Community conscious societies & students

World recognized ALUMNI

2. DTU's Glorious Past

Delhi College of Engineering, (initially established with the name – Delhi Polytechnic) came into existence in the year 1941 to cater to the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The institution started its functioning at the historic Kashmere Gate campus as a follow up of the Wood and Abott Committee Report of 1938. It comprised of a multi-disciplinary and multi-level institution offering wide ranging programs in Engineering, Technology, Art and Sculpture, Architecture, Pharmacy and Commerce. The national diploma awarded by the institution was recognized as equivalent to degree level for the purpose of employment. In 1952, the college was affiliated with University of Delhi and started formal Degree level programs. The Department of Architecture late became the School of Planning and Architecture, now a Deemed University and Institution of National importance. The Department of Arts and Sculpture became College of Arts and the Departments of Chemical Technology and Textile Technology were shifted to en-block to mark beginning of the IIT Delhi at its new campus at Hauz Khas. The Department of Commerce was later abolished and the faculty of Management studies of the University of Delhi was established by Prof. A. Das Gupta of Delhi College of Engineering (DCE). The institution (DCE) is thus, the mother institution of a number of national projects including Indian Institute of Technology, Delhi (IITD), School of Planning and Architecture (SPA), College of Arts and even the famous Faculty of Management Studies (FMS).

Till 1962, the college was under the direct control of Ministry of Education, Government of India. In 1963, the administration of the college was handed over to Delhi Administration. Delhi college of Engineering was under the administrative control of Department of Training and Technical Education, Govt. of NCT of Delhi. For academic purpose, the college was affiliated to University of Delhi since 1952. From July 2009, the DCE has become Delhi Technological University vide Delhi Act 6 of 2009.

The erstwhile DCE functioned from its historic Kashmere Gate Campus for almost 55 years and was shifted to a lush green sprawling campus of 164 Acres at Bawana Road, adjoining Sector – 17, Rohini, Delhi in 1996.

3. DTU at a Glance

DTU has 164 acres of a lush green, tech-savvy main campus, with approximately 1,56,000 square meters of built up area, 15 academic departments, research centres, and residences for students, faculty, and staff. It is a zero discharge campus having Sewage Treatment Plant and Waste to Energy Plant in the campus itself. The University, as on date, has 11,019 students in its undergraduate, postgraduate, and Ph.D. programs. The library is a central place for academic and research activities. It has a well-equipped conference hall, reading rooms, and a rich collection of relevant books and journals. The university has a DTU Studio utilized for recording of lectures, events, and talks and has campus wide networking connecting the computer center, the academic wings, the administrative block and the hostels on a common platform. DTU is a Wi-Fi enabled Campus with state-of-the-art IT Infrastructure with Advanced Technological Facilities. The students have access to high speed internet services round the clock.

The East Delhi Campus of DTU was established in 2017 primarily focusing on Management and Entrepreneurship programs. These programs are very important, as they help the nation in producing skilled managers and leaders thereby promoting innovations and in creating jobs and new ventures. The Campus offers Master of Business Administration (MBA) and MBA Business Analytics, Bachelors of Business Administration (BBA) and B.A. (Hons.) Economics.

The university offers 17 undergraduate, 22 postgraduates and 17 Ph. D. programs. The Engineering programs include conventional disciplines of Mechanical Engineering, Civil Engineering, Electrical Engineering and Applied Engineering disciplines, such as Electronics and Communication Engineering, Computer Engineering, Environmental Engineering, Software Engineering, Mathematics and Computing, Automobile Engineering, Polymer Science, and Chemical Technology. The postgraduate engineering programs cover VLSI design and embedded systems, Software Engineering, Computer Engineering, Microwave and Optical Communication, Polymer Technology, Power Systems, Signal Processing and Digital Design, Geotechnical Engineering, Structural Engineering, Nano Science Technology, and Bioinformatics. The university offers Bachelor of Design (B. Des.), BBA, BA (Economics) Honors, MBA and MBA Business Analytics.

DTU has a policy for recognition of excellence in teaching. Under this scheme, the teachers are awarded with cash prize and citation in teaching excellence. The university encourages teachers to ensure maximum class engagement by the teachers and attendance of students. Rigorous conditions are stipulated for the teachers to declare them eligible for the said award. This award may help teachers towards their promotion and career advancement and would also create more conducive environment for

teaching and learning

The course curricula have been developed with a view to integrate advancements in Science and Engineering, while also incorporating industry relevant technologies. The curriculum is structured such that it possesses 50 percent of the Core component, 20 percent Foundation Courses (Core and Elective) and covers 30 percent of Electives. Thus, a student will have the freedom to choose, as electives, nearly half the courses that he or she must complete to obtain a degree. A strategy of introducing curricular flexibility is adopted to sustain the interest of all students, both high performers and those with difficulties. The traditional emphasis at Delhi Technological University on hands-on laboratory training has been maintained. Undergraduate labs have been modernized and expanded in the last few years. This is an ongoing process and will continue in future also.

While the core courses define the stream opted for by the student at the time of admission, students can choose from a wide variety of courses for completing their degrees. Core courses address the widest possible audience and will not be specific to niche streams with small enrolment levels. A heterogeneous mix of students from various streams is considered desirable in the classroom. The electives, if properly chosen, define the specific domain knowledge and skills of the graduating student.

Further, the means by which undergraduate students could obtain research-based credits have been introduced in the university recently. These may take the form of hands-on learning and research projects. Undergraduate students may obtain specified credits through research oriented self-learning. Online teaching is used as an aid to classroom teaching. Contact hours in the classroom are not compromised.

There is a continuous focus on seamless integration of first-year (both undergraduate and postgraduate) students entering from diverse backgrounds. Students are assisted proactively in the first year so that they perform well. Postgraduate programs are tailored to enable customisation of job seekers, job providers in industry and future researchers.

The university students are placed in companies of high repute including multinational companies. DTU has strong focus on industry relevance for its education and research programs. DTU prepares students beyond the structured curriculum by encouraging industry interface at various levels through guest lectures, industrial visits, and project work, which bridge the gap between graduating and professional engineers. Some of the companies that have recruited students during the campus placements include Flipkart, Amazon, Microsoft, Google, Goldman Sachs, Texas Instruments, Indian Oil, Maruti, Yahoo, Oracle, Samsung, Deloitte, McKinsey, Adobe, and Larsen and Toubro. The highest annual salary package has gone up to ₹1.25 crores per annum. Students who have graduated from DTU are studying in various

prestigious national and international Universities such as IIMs, IITs, Carnegie Mellon University, Columbia University, Duke University, Purdue University, and University of California. A major highlight of placements at DTU is that the leading companies not only make job offers to the final year students, but they also offer paid internships to third year students. This enhances the industry interface further, preparing them for the technological challenges of the industries and in turn assure better pre-placement jobs offers for the students.

DTU has provided the nation, as well as the world at large, with some of the best and finest Engineering and Technology professionals. They have, with distinction, led great enterprises and corporate houses in India and Abroad, bringing immense glory to their alma-mater, all the while enhancing the pride of the Engineering profession by their distinguished services performed with utmost sincerity and commitment.

3.1 Institutional Profile

Established in	2009, Non-affiliating University		

Departments	15		
Students (On Roll)	11019		
No. of Programs	UG : 17	PG :22	Ph. D : 17
No. of Teaching staff	603		
No. of Technical staff	109		
No. of Non-Teaching staff	108		

3.2   Academic Departments

1. Department of Applied Chemistry
2. Department of Applied Mathematics
3. Department of Applied Physics
4. Department of Biotechnology
5. Department of Civil Engineering
6. Department of Computer Science and Engineering
7. Department of Electronics and Communication Engineering
8. Department of Environmental Engineering
9. Department of Electrical Engineering
10. Department of Information Technology
11. Department of Mechanical Engineering
12. Department of Humanities
13. Delhi School of Management
14. Department of Design
15. University School of Management and Entrepreneurship (East Delhi Campus)

3.3 Programs

3.3.1 UG Programs

Main Campus

1	Mechanical Engineering	8	Computer Engineering
2	Electrical Engineering	9	Civil Engineering
3	Polymer Science and Chemical Technology	10	Electronics and Communication Engineering
4	Software Engineering	11	Environmental Engineering
5	Production and Industrial Engineering	12	Information Technology
6	Engineering Physics	13	Mathematics and Computing
7	Biotechnology	14	Mechanical Engineering with specialisation in Automobile Engineering
15	B. Des. (Bachelor of Design) - New Program (w.e.f. AY 2018-19)		

East Campus

16	Bachelor of Business Administration (BBA)	17	B.A. Economics (Hons.)

3.3.3 PG Programs (Main Campus)

1	Software Engineering	11	Microwaves and Optical Communication
2	Information Systems	12	Computer Science and Engineering
3	Nano-Science and Technology	13	Structural Engineering
4	Bio-Informatics	14	Thermal Engineering
5	Polymer Technology	15	Power Systems
6	Environment Engineering	16	Hydraulics and Water Resources
7	Production Engineering	17	Signal Processing and Digital Design
8	VLSI Design and Embedded System	18	Industrial Bio Technology
9	Control and Instrumentation	19	Bio-Medical Engineering
10	Geotechnical Engineering	20	Computational Design
21	MBA (Both at Main and East Campuses)		
22	MBA (Business Analytics) – New program at East Campus (w.e.f. AY 2018-19)		

3.3.4 Ph.D. Programs

1	Ph.D. in Computer Science and Engineering	10	Ph.D. in Civil Engineering
2	Ph.D. in Electronics and Communication Engineering	11	Ph.D. in Environmental Engineering
3	Ph.D. in Electrical Engineering	12	Ph.D. in Information Technology
4	Ph.D. in Mechanical Engineering	13	Ph.D. in Applied Chemistry
5	Ph.D. in Applied Mathematics	14	Ph.D. in Applied Physics
6	Ph.D. in Bio-technology	15	Ph.D. in English
7	Ph.D. in Economics from Humanities Department	16	Ph.D. in Management from Delhi School of Management
8	Ph.D. in Economics from University School of Management and Entrepreneurship	17	Ph.D. in Design
9	Ph.D. in Management University School of Management and Entrepreneurship		

4.   Governance, Leadership and Management

Section 19 of DTU Act, 2009 provides for following authorities of the university.

i.   University Court
ii.   Board of Management (BoM)
iii. Academic Council (AC)
iv.   Planning Board
v.   Finance Committee (FC), and
vi.   Such other authorities as may be declared by the Statutes to be the authorities of the university.

The participation of all stakeholders has been ensured in the constitution of these committees through statutory provisions. In the University Court, which is chaired by the Chancellor/Lt. Governor of NCT of Delhi, in addition to, ex-officio members, persons in the discipline of basic and applied science, engineering, technology and management are there. Representative from University Grants Commission and All India Council for Technical Education are also there. Similarly, in the BoM, which is the principal decision making body of the university there is representation from academia, industry, government, regulatory bodies, teaching and non-teaching employees of the university. All decisions are generally taken with consensus but the DTU Act provides for majority decisions in case a consensus decision is not arrived at. The minutes of the BoM meeting are available in public domain at www.dtu.ac.in.

Academic council (AC) is the principal body in all the matters related to academic affairs of the university. In the Academic Council also the DTU Act provides for representation of all the stakeholders. Apart from external members from academia, industry and regulatory authorities all the HoDs and Deans of the university are members of the AC. In addition, one Associate Professor and One Assistant professor (on rotation basis) is also nominated in Academic Council. University has in its policy of following inclusiveness, has included two student representatives – One each from UG and PG programs as Member of the Council. Starting of new academic programs, changes in the ordinances and regulations related to examinations, approvals of the syllabi of different courses, approval of panel of experts for faculty recruitment, framing of the RRs for faculty positions and all other matters related to academic affairs of the university are done by the Academic Council.

In addition to above, there are other Committees like Admission Committee, Examination Committee and Board of Studies etc. in the university for different works of the university.

5.   Strategic Plan 2019-30

The strategic plan 2019-30 provides a roadmap in form of resolutions, aims and actions in line with the vision and mission of the university. This is a policy document that provides direction, dedication and discipline to every stakeholder of the university. It focuses on important pillars of the university such as education, research, innovation, entrepreneurship, faculty, staff, infrastructure and finance. The plan intends to guide the university leaders in their decision making and also pursue them to strategize the allocation of resources for the fulfilments of stated resolutions. Every resolution is a promise and commitment that will inspire, influence, ignite and intrigue to work hard and take every action as expected and specified.

5.1 Education

DTU will continue to provide quality education with continuous improvement in teaching pedagogy. We do understand the challenges and importance of imparting quality education comparable to the best in the world and will take necessary steps to address such challenges. Education is the most effective and powerful tool to empower students with values, skills, knowledge and wisdom. We will strive hard to produce such students who will prove to be an asset for society, nation and entire planet. Our students will inculcate our core values (integrity, compassion, commitment, creativity, collaboration, inclusion) and contribute with their knowledge and skills for the service of humanity.

Resolution 1: To admit students from all backgrounds and countries through a competitive system and nurture their potential and capabilities.

We will continue to admit students through a transparent and competitive system of examination. We will encourage diversity, gender equality and inclusion through policy initiatives. We will provide world class teaching and learning environment with a focus on research, innovation and entrepreneurship. We will strengthen and enhance outreach and extension activities. We will promote and encourage every student to be a part of student societies to enhance communication, collaboration, cooperation and coordination.

Resolution 2: To improve teaching learning processes and provide open platforms for creativity and experimentation.

We will continue to keep pace with the fast changing world and provide technologically enabled learning environment to energize, encourage and inspire faculty, students and staff of the university. We will provide various choices in curriculum to nurture creativity and experimentation, keeping students as the building block of every initiative. We will further enhance the flexibility in the curriculum. We will keep on promoting online education through MOOCs platforms like Edx, Coursera, Swayam and so on. We will facilitate students to learn beyond classrooms as part of their curriculum. We will further strengthen research, product and entrepreneurship tracks to promote innovation and research culture in the university.

Actions

DTU aims:

1. To increase student strength from 11000 to 20000 by 2030. Number of post graduate and Ph.D. students will be increased gradually to 30% of the total students' strength. The ratio of under-graduate, post-graduate and Ph.D. students will be 70%, 15% and 15% respectively.

2. To increase undergraduate programs from 17 to 25 by 2030 in important areas including Architecture, Fashion Technology, Medical Engineering and Social Work.

3. To increase post-graduate programs from 22 to 40 by 2030 in important areas including Physics, Chemistry, Mathematics, Economics, Biotechnology, Design, Artificial Intelligence, Mathematics and Computing and MBA in Family Business and Entrepreneurship and MBA in Innovation, Entrepreneurship, Venture Development, Transportation Engineering, Power Electronics, Electrical Energy System, Energy Studies, Advanced Communication Systems (5G), Earthquake Engineering, Construction Technology & Management, Internet of Things (IoT), Flexible Electronics and Psychology.

4. Strength of students will also be increased in the existing programs like Computer Engineering, Information Technology, Electronics and Communication, Software Engineering and Mathematics and Computing.

5. To increase DTU Ph.D. fellowships from 300 to 1000 by 2030. Efforts shall also be made to admit more number of Ph.Ds. students with fellowships funded by external agencies (like CSIR, UGC, DST-Inspire), sponsored projects and industry/alumni funded fellowships.

6. To increase by 2030, students' societies from 70 to 100 as per societal needs and expectations.

7. To increase university student internships from 200 to 1000 by 2030 to facilitate students to actively involve themselves in outreach and extension activities. This will strengthen scheme of teaching in government schools, helping the unprivileged in the neighborhood.

8. To develop 10% courses for MOOCs platforms by 2030. Students shall also be encouraged to take 10% courses through such platforms.

9. To increase female students from 15% to 30% by 2030.

10. To increase foreign students from 2% to 10% by 2030.

11. To enhance fee waiver scheme from ₹4 crores each year to ₹25 crores each year by 2030.

12. To provide large number of choices to students and to implement total flexibility in the curriculum which will lead to minor and major specializations as decided by students by 2030.

13. To increase the number of classrooms/laboratories on wheels from 1 to 10 by 2030 to impart education to the under privileged children of nearby villages.

5.2 Research

DTU focuses on research in the emerging areas of technology, science, management and other related and/or interdisciplinary areas. It has enabling research environment to create knowledge for the service of humanity. We will continue to work hard to make DTU as a favourite destination for best minds to do research in their chosen areas. We would like to create centres of excellence in areas with potentially large societal impact. We also would like to increase number of intellectual properties and publications. We would like to promote and facilitate every research initiative.

Resolution 1: To establish centres for excellence in emerging areas to promote research.

Technology has provided solutions to many problems in past and will continue to do so in future also. Our research culture and research centres will play significant role to create future technologies and scientific advancements. We will produce world class research and researchers for solving problems using science and technology.

Resolution 2: To attract best minds to enrich research.

We will continue to provide encouraging and enabling research environment to attract and nurture best minds of the world. State of art research infrastructure, facilities and support will be provided. More funding avenues will be explored from government agencies, private industries, alumni and society for this purpose.

Actions

DTU aims:

1. To establish ten new centres of excellence by 2030 in the areas of clean energy technologies, storage technologies, artificial intelligence and machine learning, cyber security, VLSI, Internet of Things (IoT), Medical Engineering, Advanced Analytics and Space and Atmospheric Sciences.
2. To have a research laboratory and research project(s) for every faculty by 2030.
3. To have all faculty with Ph.D. degree and involve them in research by 2030.
4. To award 750 Ph.Ds. to the scholars per year by 2030.
5. To produce 50 Intellectual Properties every year and 3000 publications every year in reputed Journals by 2030.
6. To achieve "h Index" of DTU "200" by 2030.
7. To produce at least 50 commercially sustainable products by 2030.
8. To invest 25% of revenue on research (including human resource, equipment, library, ICT and physical infrastructure) every year by 2030.
9. To establish 10 research laboratories by 2030 with support from industries.
10. To have 100 sponsored research projects from outside funding agencies.
11. To have 100 active Memoranda of Understanding (MoUs) with International and National Institutions and organizations.

5.3 Innovation and Entrepreneurship

DTU promotes Innovation and Entrepreneurship through policies and regulations. These Innovation and Entrepreneurship have become essential ingredients of academic and research life in DTU. We have a Technology Business Incubator (TBI), an independent entity of DTU and managed by DTU – Innovation and Incubation Foundation (IIF) (A non-profit Company, meant for promoting education in Science, Research etc. under Section 8 of Companies Act 2013). We also have a very active Entrepreneurship Development Cell (EDC) to inspire and energise students towards entrepreneurial path. We encourage faculty and students to take innovative projects and support them in the process.

Resolution 1: To work towards a comprehensive engagement by innovative projects.

The curriculum has many provisions for innovative projects. We will encourage students to take advantage of such provisions and take such projects which are full of challenges and ideas. The projects may be associated with industry/university or any other organization.

Resolution 2 : To establish a Technology Park.

We would like to establish a Technology Park in addition to Technology Business Incubator. Both entities will provide numerous opportunities for students, scholars and faculty to experiment new ideas and will get exposure to advancement of science and technology.

Resolution 3: To provide positive environment for consultancy and sponsored projects.

We will continue to encourage faculty for consultancy and sponsored projects through policy and regulation.

Actions

DTU aims:

1. To increase number of start - up companies in Technology Business Incubator from 19 to 100 by 2030.
2. To establish a Technology Park of 50 companies by 2030.
3. To increase consultancy income from ₹10 crores to ₹50 crores by 2030.
4. To invest in innovative projects from ₹1 crore per year to ₹10 crores per year by 2030.
5. To have 10 successful companies from Incubator by 2030.

5.4 Faculty and Staff

DTU continuously strives for the quality of the faculty and staff. In order to become a world-class institution, it is necessary to continue attracting highly qualified and talented professionals and provide a healthy and encouraging environment that allows the faculty and staff to learn and grow. The university policies and frameworks are designed and developed to support and provide a wide range of opportunities to faculty and staff for professional and personal development.

Resolution 1: To attract and retain best minds to enrich education, research and innovation.

We will continue to recruit and retain the very best minds to ensure that the university remains world-leading. We will ensure that our recognitions and

reward systems are strong, competitive and transparent. We will continue to ensure the wellbeing and welfare of our people in order to make them feel valued and respected.

Resolution 2: **To improve personal and professional development of faculty and staff.**

We will encourage faculty and staff in all possible ways to participate in personal and professional development programs, conferences, workshops, and seminars, regardless of the status of their employment. We will continue to support faculty and staff in their early career with grants and incentives and organize specialized capability enhancing programs for those having managerial and leadership responsibilities. We will keep the faculty and staff motivated to learn and adapt to new and changing technologies.

Actions

DTU aims:

1. To enhance faculty upto 1200 and staff upto 1300 by 2030.
2. To increase 10% of budget to support faculty projects and development programs by 2030.
3. To engage 5% international faculty by 2030.
4. To send 5% faculty for higher education and postdoctoral fellowships in the best institutions of the world by 2030.
5. To send 5% faculty every year to the industry by 2030.
6. To send 5% of the technical staff to industry/academia for training, skill development and higher education.
7. To send 5% of the ministerial staff for administrative enrichment.

5.5 Infrastructure

DTU has well-equipped and state-of-art classrooms, laboratories and research facilities. DTU has aesthetically designed centrally air-conditioned, Wi-Fi enabled library building and provides excellent ICT facilities. The Stage 1, Phase-II construction of DTU is under progress and is likely to be completed by 2021. DTU will continue to improve and maintain the infrastructure to provide an encouraging environment for teaching and learning.

Resolution 1: To provide a world-class environment for enabling education, research and innovation.

We will continue to build, develop and maintain the infrastructure of the university with improved space utilization and minimum impact on environment. Additional administrative building, classrooms, hostels and residential accommodation will be constructed in the campus as per requirement from time to time. In addition, a separate complex for providing various amenities like shopping complex, multi-storied parking, health centre, bank and post offices etc. will also be constructed.

Resolution 2: To enhance the library resources.

We have a three storied centrally air-conditioned building spread over and area of 5000 square meters, it is a central place for academic and research activities. The Library has a very rich collection of print as well as electronic books and journals satisfying the information needs of the students, staff and faculty. We will continue to enhance the library resources and infrastructure in the university.

Resolution 3 : To improve the ICT enabled services.

We provide state-of-the-art computing facilities along with other devices, sufficient bandwidth so as to have uninterrupted connectivity and content delivery. To further supplement it we may deploy virtual lecture facility by providing high speed data networks. The students can interact with the experts across the world. We would like that more and more teachers to act as subject experts/principal investigators to prepare the video lectures. In this regard, we would like to strengthen the DTU studio where recording of video lectures could be done so that the students across the country and world can be benefitted. We will continue to enrich the content sharing and collaborations in research and development activities in house and through National Knowledge Network (NKN) would like to share across all higher education institutions to provide access of the high-quality content to all the students.

Actions

DTU aims:

1. To complete Phase-II, Stage-II construction of ₹1000 crores by 2030.
2. To invest in IT infrastructure from ₹1 crore every year to ₹10 crores every year by 2030.
3. To provide 100% ICT enabled services by 2030.
4. To invest 15 crores every year for library resources including electronic databases and digital books by 2030.
5. To construct 60 more ICT- enabled classrooms by 2030.
6. To increase the opportunities for students, faculty and staff to travel by eco-friendly mode of transport for benefiting the environment and strengthening the Green campus mission of the university.
7. To construct multi-storied parking by 2030.
8. To construct 15 bedded university health centre by 2030.

9. To construct shopping complex in university premises.

5.6 Finance

DTU is financially strong and effectively manages both its income and expenditure. DTU funding mostly comes from Grant-in-Aid (GIA) from the Govt. of NCT of Delhi and University Generated Fund (UGF). In addition, some funds are also generated from contributions of the alumni of the university and sponsored and consultancy projects. The Phase-II, Stage-I construction of DTU has begun and Govt. of NCT of Delhi has separately provided funds for construction at a cost of ₹292 crores. There is approximately 1,56,000 square meters built up area in the University as on today. Another, approximately 60,000 square meters of built up area is being proposed in Phase-II, Stage-I. It is expected that there will be requirement of another approximately 75,000 square meters of the built up area by 2030. We will continue to manage funds to make the university ready and sustainable for the future.

Resolution 1 : To arrange funds for enhancing academic and research ambience.

We will ensure that the talented students and faculty are well funded in their innovative, research, entrepreneurial and societal activities. We will continue to raise funds for creation of new resources and infrastructure.

Resolution 2 : To strengthen the audit system to ensure transparency and discipline in the management of finances

We have three stages of audit system in the university. We will continue to strengthen the three stage audit process (1st stage audit by internal auditor, 2nd stage audit by Local Fund Audit team of Directorate of Audit, Government of NCT of Delhi, 3rd stage audit by Comptroller and Auditor General of India) and also introduce pre audit system in the university. We also will work very hard to adhere to provisions, rules and regulations during implementation of every process. This transparent and disciplined system will reduce the audit paras.

Actions

DTU aims:

1. To get ₹1000 crores grant from government of NCT of Delhi for Stage-II, Phase –II construction by 2030.

2. To increase the annual recurring expenditure on account of salary from ₹80 crores to ₹300 crores by 2030.

3. To increase the other annual recurring expenditure from 60 crores per annum to ₹180 crores by 2030.
4. To increase the annual expenditure of the university excluding non-recurring expenditure to ₹500 crores by 2030.
5. To implement pre-audit system in the university by 2030.
6. To maintain the expenditure (recurring) ratio i.e. 80% from University Generated Fund (UGF) and 20% from Grant-in-Aid (GIA).
7. To increase the contribution from alumni from ₹7 crores to ₹100 crores by 2030.

Decision : The Planning Board accepted the Strategic Plan 2019-2030 of DTU and recommended for placing before the Academic Council and then before the Board of Management with following observations:

i. **A Strategic Plan Implement Action Team shall be constituted by the Vice Chancellor to workout the strategy for achieving the targets.**
ii. **The above committee shall prepare five term plans of 02 years each with contigency planning of each quarter.**
iii. **The Planning Board will review the projects every 06 six months to ensure the implementation of resolutions, aims and actions. The Planning Board will submit its recommendations to the Board of Management for its approval.**

Agenda 1.3 : Proposal to initiate collaborative programme between University of Houston, Texas, USA and DTU in Biomedical Engineering.

It was submitted to the Planning Board that a proposal to initiate 3+1+1 and other programmes has been received from University of Houston, Texas. The UoH is very interested to start the tie up and provided a MoU draft for the benefit of both the institutions. The following are the programmes:

i. **3+1+1**

This programme is to facilitate undergraduate students registered at DTU who have completed three years at DTU, to have the opportunity to study at UoH for a period of two years. During the fourth year of study at UoH students will be enrolled as full time, non-degree seeking, exchange students. After completing the courses students will be awarded a Bachelor Degree by DTU. Students who maintained the academic requirements towards successful completion of degree

awarded by DTU and have obtained acceptable GRE scores, will be admitted automatically to master's programme at UoH after submitting their graduate applications. After successful completion of degree requirements, students will be awarded Master's degree by UoH.

ii. **3+1+4**

This programme is to facilitate undergraduate students registered at DTU who complete their first three years at DTU to have the opportunity to study at UoH for a period of five years. During the fourth year of study at Houston students will be enrolled by UoH as full time, non-degree seeking exchange students. After completion of the courses agreed upon by DTU and UoH, students will be awarded Bachelor Degree by DTU subject to the programme requirements (3.2 of the proposal), students will successfully complete the above mentioned DTU Bachelor degree, will be accepted to the UoH Ph.D. programme. After successful completion of the degree requirements, students will be awarded a doctoral degree by UoH.

iii. **4+2**

This programme is to facilitate undergraduate students registered at DTU who complete their four years at DTU and are awarded a Bachelor Degree, to have the opportunity to study at UoH as master's student. The acceptance to the Master's programme is subject to the admission requirements (3.2 of the proposal). After successful completion of the degree requirements, students will be awarded a Master's degree by UoH.

iv. **1+1+1**

This programme is to facilitate undergraduate students registered at DTU who have completed two approved graduate courses agreed upon by DTU and UoH for course credit transfer, to have the opportunity to study at UoH for a period of one year. During the period of one year of study at Houston, DTU students will be enrolled as full time Master's students. After successful completion of eight courses and relevant degree requirements at UoH, students will be awarded Master's degree by UoH. The students will also be awarded by Master's degree by DTU after their successful completion of relevant degree requirements set by DTU.

v. **4+4**

This programme is to facilitate undergraduate students registered at DTU who complete four years at DTU and are awarded a Bachelor Degree, to have the opportunity to pursue a Ph.D programme at UoH. Their acceptance to the Ph.D programme is subject to the admission requirements (3.2 of the proposal). After successful completion of the degree requirements, students will be awarded a Doctoral degree by UoH.

Decision : The Planning Board deliberated on the matter and decided to constitute a committee to examine the proposal in totality, comprising of the following members:

1. Vice Chancellor, Ambedkar University Delhi - Chairperson
2. Dean, International Affairs - Member
3. Dean, Alumni Affairs - Member
4. Ms. Mamta Rani, Additional Secretary, Association of Indian Universites - Member
5. Prof. Rajive Kumar, Advisor, AICTE - Member
6. Registrar, DTU- Member Secretary

The committee will submit its report within three weeks positively for placing before the Board of Management.

Agenda 1.4 : Any other item with the permission of the chair.

Meeting ended with a vote of thanks to the Chair.

The minutes are issued with the approval of the Vice Chancellor for circulation to the Hon'ble Members, who are requested to give their comments, if any, on these circulated minutes.

(Prof. Samsher)
Registrar

No. F.DTU/Council/Plg. Board/33/2019   **Dated :**

To,

1. P.A. to V.C. for kind information to the Vice Chancellor
2. Prof. S.K. Garg, Pro Vice Chancellor, DTU
3. Padma Shri Prof. Pritam Singh (Former Director, IIM, Lucknow)
   A-14, PWO Complex, Sector 43, Gurugram, Haryana 122001.
4. Prof. Prem Vrat, Pro-Chancellor, NorthCap University,
   Sector 23A, Gurugram, Haryana 122017.
5. Prof. I.K. Bhat, Vice Chancellor, Manav Rachna University,
   Sector 43, Faridabad, Haryana 121004.
6. Prof. J.P. Saini, Vice Chancellor, Netaji Subhash University of Technology,
   Sector 3, Dwarka, Delhi 110078.
7. Prof. Anu Singh Lather, Vice Chancellor, Ambedkar University Delhi
   Lothian Road, Kashmere Gate, Delhi 110006
8. Registrar, DTU
9. Guard File.

(Prof. Samsher)
Registrar