

DELHI TECHNOLOGICAL UNIVERSITY

Minutes of the 6th Meeting of the Academic Council

held on 05.04.2013

Shahbad Daulatpur, Bawana Road, Delhi-110042

introduced in DTU are some of the finest ext of synergy between science and engineering.

It is also to be noted that the file programmes, added after the transformation of high recognition for their academic quality by the world's top universities in master's prign include Stanford University, Carnegie Mellon University, USA and others. Ms. Arushi Ar Physics has been selected for MS programme Program in University of Michigan. Mr. Ni Engineering Physics has selected for MS program Mr. Akshit Peer a final year student of Softwa programme in Michigan University. Further, Ganjoo, Ms. Sayana Khurana, and Mr. Perth Chaudhary and Ms. Shreya Jain, Electron Environmental Engineering has been sele Universities in USA.

DTU has also achieved excellent can us top ranking companies including Faceboo Google, Oracle, RBS, Maruti, Samsung, students. The highest salary package receiv 1 \$ annum which was received by 6 students, Computer Engineering. Our excellent place 'ar human resources churned out by DTU and so the quality of our education.

We have also kept our focus on h programs and have nurtured interdisciplinar today's technology and knowledge intensive engineering and trans-departmental approa of engineering of today and surely the e therefore, has to continue its quest for nu an engineering and promote trans-departmen research programs.

The Chairman also apprised the me received the approval for all the B.Tech & 2012-2013 except 4 new B.Tech and 3 new of AICTE will be visiting on Monday, Dated programs for the session 2012-2013. He re Expert Committee and make presentations activities of their Departments.

3.0

The Chairman further informed that funding under 12(B) approval from the Cer and proposal for funding under innovation unive the funding from the UGC shall mark the University from the current / next finance

Delhi Technological University

Established under Govt. of Delhi Act 6 of 2009 (Formerly Delhi College of Engineering) Shahbad Daulatpur, Bawana Road, Delhi – 42

No. F.DTU/Org/AC(Meeting)/01(1)/10/ 885—903

Minutes of the 6th meeting of the Academic Council held on 05.04.2013 at 11.00 a.m. in the Senate Hall of DTU.

The 6th meeting of the Academic Council of DTU was held on 05.04.2013 at 11.00 a.m. in the Senate Hall of DTU.

The following members were present:

- Prof. P.B. Sharma, Hon'ble Vice Chancellor, DTU
- 2. Prof. Moin Uddin, Pro Vice Chancellor, DTU
- 3. Prof. S.K. Singh, Dean (I.C.).
- 4. Prof. S. Maji, Dean (IRD) & HOD (Bio-Tech)
- 5. Prof. S.K. Garg, Dean (Acad) & HOD (T&P)
- 6. Prof. H.C. Taneja, Dean (SW)
- 7. Prof .Dr. O.P. Verma, Dean (CE) & HOD (IT)
- 8. Prof. B.D. Pathak, HOD (Mechanical Engg.)
- 9. Prof. Narendra Kumar, HOD (EE)
- 10. Prof. D. Kumar, HOD (A. Chemistry)
- 11. Prof. S.C. Sharma, HOD (A. Physics)
- 12. Prof. A. K. Gupta, HOD (Civil) & Registrar
- 13. Prof. (Ms.) Daya Gupta, HOD (COE)
- 14. Dr. Seema Singh, HOD (Humanities)
- 15. Prof. Mukti Acharya, HOD (Applied Mathematics)
- 16. Prof. P.K.Suri, HOD (DSM)
- 17. Prof. Madhusudan Singh, Controller of Examination

Prof. Rajeev Kumar Kapoor, HOD (E&C) could not attend the meeting due to their preoccupation, Dr.K.Singh, Joint Registrar (Admn) and Dr. R.Kaushik, Assistant Registrar (Academic), DTU, attended the meeting as invitees to assist the Council.

Agenda 6.1 Chairman's opening remarks

The Vice Chancellor extended a warm welcome to the learned members of the Council and expressed his happiness that during the last one year there has been phenomenal progress of the University. He informed that the University has given a renewed focus on the synergy between science and engineering. The academic programs of Software Engineering, Electrical and Electronics Engineering, Engineering Physics and Mathematics and Computing at UG levels and M.Tech programmes and likewise Microwave and Optical Communication, Nano-Science and Technology, Bio-Informatics, VLSI Design and Embedded Systems at PG levels

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University has submitted its report for TEQIP (II) for world bank support for research and innovations. Also the University has applied for accreditation to NBA for its UG and PG programs and that the application for accreditation under NAAC is also in the process of submission.

The Chairman also informed that Foundation for Excellence, a prestigious US based non-profit organization has approached the University for providing up to 100 scholarships to the talented needy students and a MoU in this regard will be signed by the University in the near future.

The University has received donation of US\$ 100,000 from Dr. Durga Das Agarwal, CMD, Piping Technology Inc., Houston, USA, a distinguished Alumni of 1967 batch of Mechanical for the establishment of a Design Engineering Centre. Dr. Durga Das Agarwal during his recent visit to the University along with his few batchmates has also promised to support one Nobel Laureate Lecture at DTU in the area of Nano-Science and Technology for which he will be willing to provide travel support to the Nobel Laureate. Dr. Durga Agarwal has also proposed collaboration between DTU and the University of Houston and also with M.D. Anderson Cancer Research Centre at Texas for Bio-Medical Engineering Education and Research Program at DTU. He will also be initiating a dialogue with Dr. Bharat Agarwal of the above Centre for collaboration with DTU for indigenous and herbal medicines R&D.

The Vice Chancellor placed on record his high appreciation of the excellent work done by the faculty and staff of DTU in taking the University to such great heights and hoped that the tempo of academic and professional excellence shall continue and new strides shall be made in areas of high international relevance to cause the expansion of academic and research activities at DTU in the coming years.

Agenda 6.2 Confirmation of the minutes of the 5th meeting of Academic Council held on 28.12.2012

The Academic Council was informed that Minutes of the 5th meeting of the Council held on 28.12.2012 were circulated among all the members vide minutes DTU/ORG/AC/Meeting/01(1)/2010/16594-622 dated 01.1.2013, Dr.Seema Singh HoD Humanities pointed out that Economics, Psychology and Sociology are integral part of MBA programme, for recruitment in these subjects MBA should not be a prerequisite, stated by her in the last meeting, was not minuted in the minutes. Her view was taken on record, discussed but not agreed to by the Council members. The minutes were accordingly confirmed.

Decision:

The Academic Council confirmed the minutes of the 5th

meeting of the Council.

Agenda 6.3 :

Action taken report on the decisions taken in the 5th meeting of

the Academic Council

Decision:

Action taken report was accepted by the Council.

Agenda 6.4 :

Matter for Information

i. First Convocation of the University held on 11th January, 2013

The Academic Council was informed that the First Convocation of the University was held on **Friday**, 11th **Jan**, 2013 at 11.00 a.m. in Dr. B.R. Ambedkar Auditorium of the University. The Hon'ble / Lt. Governor / Chancellor of the university was the chief guest. On this occasion, 469 degrees were conferred to the candidates of UG/PG Program students who passed out in the year 2011 and 2012 respectively. 100 Gold medals and certificate were also given to overall toppers and Branch toppers of Post Graduate Courses.

The Students of B.E. & M.E. courses of Delhi University, who passed out in the year 2009, 2010 & 2011 were also distributed their degrees in the Convocation along with the Medals & prizes of those years.

ii. Visit of UGC Team for recognition of the University under Section 12(B)

An Expert Committee of UGC had visited the University during 26th and 27th October, 2012 to consider the proposal of the Delhi Technological University for recognition under Section 12(B) of the UGC Act, 1956. The UGC has now approved the University under section 12(B) of the UGC, ACT 1956.

iii. Approval of UG & PG Programs from AICTE

The Academic Council was informed that approval for 11 UG Programs and 17 PG Programs offered by the University for the year 2011-2012 and 11 UG Programs and 14 PG Programs for the year 2012-2013 has been received by the AICTE.

The proposal for 2013-2014 for 15 UG and 17 PG Programs also submitted for approval to the AICTE. An expert committee of the AICTE will be visiting the University on 08.04.13 for approval of the 4 new B.Tech and 3 new M.Tech Programs.

Decision:

The Academic Council took the above matters on record.

Agenda 6.5 : Proposal for introducing 5 years Dual Degree B.Tech-MBA Programme by the DSM, from the academic session 2013-

The Academic Council was informed that Delhi School of Management has proposed to start a 5 years Dual Degree B.Tech-MBA programme from the academic session 2013-14. The program will cater to

the needs of the students who aspire to do B.Tech. for gaining technical qualification and augment their managerial knowledge by pursuing MBA, a Post Graduation Degree. By integrating both the degrees, this programme will provide an opportunity to the students to finish two degrees within five years, which otherwise take six years, if both are completed separately.

Considering the strong brand equity of Delhi Technological University and its proven track record of delivering quality technical and management education, the programme is expected to attract budding techno managers from all over the country. The Board of Studies of the Department has approved the proposal

Program Objective: The program will be offered with the following broad objectives:

- 1. To impart theoretical knowledge in the basic functional areas of management alongwith the technological knowledge.
- 2. To develop analytical skills of the students by exposing them to real life business problems and case studies.
- 3. To inculcate values and attitudes which contribute to high standards of corporate social responsibility and governance.
- 4. To impart the knowledge of both the programmes within five years without affecting the quality of both programmes and also saving one year of the students.

Programme Content and Duration:

- i. The program shall be of five years duration, spread into ten semesters.
- ii. The maximum span of period permissible for completion of the programme shall be seven years.

Eligibility Criteria: Same as provided for other B.Tech. programs.

Relaxation of Marks in the minimum eligibility criteria: Relaxation will be same as provided in other B.Tech. programs.

Admission Procedure: Same as B.Tech. Programs.

Choice Filling: Same as B.Tech. Programs.

Intake: Total intake program will be 60 seats and shall be distributed among all the disciplines of regular B.Tech.programs (excluding B.Tech. Evening programme). The department wise breakup of the seats will be as follow:

1. Electronics &Communication Engg.	:	04
2. Computer Engineering	:	08
3. Information Technology	:	04
4. Electrical Engineering	:	08
5. Mechanical, Production & Industrial Engg.	:	12
6. Civil Engineering	:	04
7. Environment Engineering	:	04
8. Applied Chemistry & Polymer Science	:	04
9. Bio-Technology	:	04
10. Applied Mathematics	:	04
11.Applied Physics	:	04

Reservation of Seats: Same as provided in other B.Tech. program of DTU.

Admission and Application procedure: Same as for other B.Tech programs.

Counselling Fee: Same as for other B.Tech. programs of DTU.

Annual Fees: The students admitted to the program shall be required to pay annual fee of Rs. 75000/- for 1st, 2nd, and 3rd, year however for the 4th and 5th year of the said course the student will pay the fee at par with the regular MBA students.

Scheme: Student admitted to the program will be offered a minimum of two courses in Management discipline in every semester starting from 5th semester of the B.Tech-MBA program. In the 9th and 10th semester of this integrated program, the students will be required to take 7 & 6 Courses respectively which, inter-alia includes courses from major and minor specialization.

The Academic Council after detailed deliberation took the following decision:

- Decision: (1) It was decided that the program should be offered as a Dual Degree program leading to B.Tech and MBA Degrees in 05 years, 10 Semesters.
 - (2) There will be no separate intake for the Dual Degree B.Tech-MBA Program. However, the existing interested students shall be asked to submit their choice of shifting to the Dual

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Degree program at the end of 4th Semester. The selection of the candidates for the Dual Degree program shall be made on the basis of their merit ranks after 4th Semester in the B.Tech programs.

- (3) No exit option will be available to the students after submitting their willingness to join the Program.
- (4) The Students will be awarded 2 degrees i.e. B.Tech & MBA after completion of the 5 years Dual Degree program.
- (5) Rest of the condition were approved as proposed in the Agenda above.

Agenda 6.6: Syllabus and Scheme of examination for Weekend Executive MBA Program by DSM for working Executive

The Academic Council was informed that the Academic Council in its meeting held on 28.12.2012 had approved the proposal of DSM to start a weekend MBA program for the working executives who intend to learn cutting edge professional and managerial skills by pursuing such programs while continuing their existing job with the following stipulation:

- 1. Program will be named as Executive MBA Program.
- 2. Two seats, over and above the intake of the program shall be for the faculty and staff of the university with exemption from payment of tuition fee.
- 3. The program will start from the academic year 2013-14.

Now, the DSM has submitted the course curriculum and scheme of the examination for the above program after being approved by the Board of Studies of the department for approval of the Academic Council.

Decision:

The Academic Council approved the course curriculum and scheme of the examination for the Executive MBA program of DSM.

Agenda 6.7: Approval of the Regulation relating to Unfair Means in Examinations in DTU.

The Academic council was informed that the University conducts the UG/PG examinations every year in which some student are caught using unfair means in the examinations. To deal such cases of unfair means, a regulation is required to be framed. Uptil now, such cases were dealt by the University on the basis of guidelines of the Delhi University as students enrolled with Delhi University were also pursuing B.E / ME courses in the University upto 2012-13. The last batch of Delhi University courses would pass

out this year, therefore, A committee was constituted to prepare draft regulation to curb unfair means and also to deal with these cases. The draft regulation prepared by the committee has been examined and found to be in order. The draft regulation for Unfair Means in Examination were tabled in the meeting of Academic Council for kind perusal of the Hon'ble members. Having gone through the proposed regulations, the council unanimously approved the regulations relating to Unfair means in the examination.

Decision:

The Academic Council approved the regulation relating to Unfair Means in the Examinations conducted by the DTU.

Agenda 6.8: Proposal for introducing B.Tech (Part Time) program in Information Technology.

The Academic council was informed that a proposal has been received from the Head of Department, Department of Information Technology for introducing of a new B.Tech (Part Time) Program in Information Technology from the academic session 2013-14 for working professionals due to the increase in demand of IT Professionals / Engineers in the industry. The program has been approved by the Board of Studies of the department.

The intake of B.Tech. (Part Time) in Information Technology will be 30. It will be of four years duration, the classes will be held six days a week in the evening from 6.00pm to 9.00pm. The admission will be made on the basis of entrance examination, which will be conducted by the university. Those who have passed Three Years Diploma in the IT/COE/ECE or BSc(IT)/BSc(ESE)/BSc(CS) or any other examination recognized by DTU as equivalent with a minimum aggregate of 55% marks (45% for SC/ST candidates) and have served for a period of not less than one year in an established engineering works/ organization located in the NCT of Delhi and contiguous industrial areas shall be eligible to appear in the entrance examination.

The **Course curriculum** will have 240 credits which include the credits of humanities and basic sciences, core subjects of information technology. The curriculum will be designed to offer majors in Information Technology and also Communication course as under:-

- 1. Data Structures & Algorithms.
- 2. Object Oriented Technology.
- 3. Data Base Management Systems.
- 4. Software Engineering.
- 5. Computer Graphics.

- 6. Theory of Computation.
- 7. Artificial Intelligence.
- 8. Computer networks.
- 9. Digital Electronics.
- 10. Microprocessors & Interfacing.
- 11. Communication Engineering.
- 12.Lab Course related to theory subjects will have also been included in the curriculum to disseminate practical knowledge of theoretical concepts.

The academic council after deliberation took the following decision.

Decision: The Academic Council approved the introduction of the program in principal with the following:

- (1) "The eligibility criteria should be three Years Diploma in the (IT/COE/ECE). The candidate should have not less than one year work experience in an established engineering works/ organization and should be presently working in the organization located in the NCT of Delhi."
- (2) A eight members committee was constituted to examine and modify the syllabus of evening program as under:

(i) Dean (Acad) : Chairman (ii) Dean (CE) : Member (iii) Prof. Pragati Kumar : Member

(iv) Prof. Manoj Kumar : Member (v) Prof. Mukti Acharya : Member (vi) Prof. D. Kumar : Member (vii) Prof. A.Trivedi : Member (viii) Prof. Ram Kumar (Eve) : Convener

Agenda 6.9 : Proposal for introducing M.Tech. Program in Computational Design.

The Academic council was informed that a proposal has been received from Head of Department, Department of Mechanical & Production and Industrial Engineering for introducing a new M.Tech. Program in Computational Design, from the academic session 2013-14. The Board of Studies of Mechanical and Production & Industrial in its meeting held on 01.03.2013, has approved the proposal.

The Computational Design course is meant for those candidates, who are desirous of seeking higher education in the field of application of computational techniques in design. The basic purpose of this M.Tech. Course is to serve the University, government, and industry through research and

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development of advanced computational Mechanics, modelling, simulation, and design of physical systems to solve real world problems.

The aim is to build a centre of excellence for multidisciplinary engineering simulation and design which combines a range of analytical, computational and experimental techniques, The strength lies in this sophisticated mix of engineering methods, coupled with industrial application: a particular focus for the activities over the next few years will be the development of grid-based, problem-solving services to be used use by the academia and industry. The primary research interests fall into three broad themed areas:

- 1. Design search and optimisation.
- 2. Applied computational modelling.
- 3. Computational methods.

The overall purpose of the proposed M.Tech. Program is to establish a cohesive and expanding base of research in applied computational science and design engineering. It will produce sustained growth in research funding, excellence in integrated research, education and increases in national and international stature and economics competitiveness for Indian industries.

In view of the large scale skill development in the emerging area of design, the University has recognized the needs of starting a post graduate program in the computational design area. This new program will offer opportunities to provide the leadership in computational application driven research. This education is certainly needed for future competitiveness in the advanced technology sector of the global economy through starting of this master program in design area.

The objectives of the M.Tech Programmes at the University are:-

- To develop the scientific and engineering manpower of high quality to cater to the needs of the industry and institutes.
- To provide a broad grasp of the fundamental principles of the mechanics and design through its advances curriculum
- To provide a deep understanding of the area of specialization to serve and understand better the industrial problems.
- To provide an innovative ability to solve real case studies problems
- To provide a capacity to learn continually and interact with multidisciplinary groups.
- To develop the students with a capability to cater the requirements and aspirations of society.

The program will definitely create opportunities for educational outreach activities and training courses and interest in Computational design research for other institutes and university nearby Delhi.

Decision:

The Academic Council approved the proposal of Mechanical Department with a change in subject Code 672.3, it may be considered as "Numerical Methods in Engineering" in lieu of "Computational Methods in Engineering" The Dean (Academic) was authorised to examine the syllabus of the Program to ensure that it is compatible with the existing examination scheme of the M.Tech Programs of the University.

Agenda 6.10:

Proposal for introducing M.Tech Program in Renewable Energy Technology.

The Academic council was informed that a proposal has been received from the Department of Mechanical Engineering for introducing a new M.Tech. Program in Renewable Energy Technology, from the academic session 2013-14. The Board of Studies in its meeting held on 22.03.2013 has approved the proposal.

The objective, eligibility, Syllabus and scheme of examination for the new programme are as follows:

Objective:

With an increasing energy crisis and global climate change issues, renewable energy has occupied a prominent position in industry & international relations in recent years. This has resulted in an increased demand for specialists and engineers in renewable energy. There are very few institutes in India that offer a structured programme to cover the diverse range of issues to meet this demand. These programmes are intended to fill the gap and provide the needed human resource capacity in renewable energy technology. The programme will lead to a specialisation in renewable energy technology.

Eligibility Criteria

A candidate must have passed the Bachelor's degree examination in any branch of engineering such as (Mechanical/Production/Electrical / EEE / Chemical /Civil/Agricultural/Environmental/Electronics and Communication / Engg. Physics / Energy Systems or any other energy relevant equivalent branch of engineering or M.Sc. in Physics/ Chemistry/ Electronics/ Biotechnology/ Environmental science with a minimum 60% marks in aggregate or equivalent cumulative grade point average from a recognised university or any other recognised institute by the university equivalent thereto as per DTU norms.

Selection Procedure:

1. Regular: Admission will be based on the performance in GATE Score & interview.

2. Sponsored: Admission will be based on the performance in qualifying examination, written test & interview.

Scheme of Examination:

SEMESTER-I

PAPER	Proposed	
CODE		GROUP
RES 521	Energy, ecology and environment	
RES 522	Renewable Energy Conversion and	Α
	Technology.	
RES 523	Energy Conservation and Efficiency.	
RES 524	Solar Energy Lab.	
RES 525	Environmental Science and	
	Engineering.	
RES 526	Applied Thermal Science and	В
	Engineering.	
RES 527	Clean Energy Lab.	
RES 528	Self study Open area Seminar I	

SEMESTER-II

PAPER CODE	Proposed	GROUP
RES 621	Wind Energy and hydro Power Systems.	
RES 622	Bio-energy and biofuels.	С
RES 623	Solar refrigeration and green building architecture.	
RES 624	Hydrogen Energy and Fuel Cells.	
RES 625	Bio Energy lab	
RES 626	Power Electronics Applications in RES	
RES 627	Power Electronics and automation Lab.	D
RES 628	Minor Project.	

SEMESTER-III

PAPER	Subjects (Suggested)	GROUP
CODE		
RES 721	Bio-energy Conversion and Utilization.	
RES 722	Solar Power Generation.	
RES 723	Economics and Planning of renewable	E
	Energy Systems.	
RES 724	Advanced Energy Systems.	
RES 725	Energy Storage Systems.	

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RES 726	Waste to Energy.	
RES 727	Self Study open Area Seminar II.	
RES 728	Alternate fuels and IC Engine Lab.	

SEMESTER-IV

PAPER CODE	SUBJECT	GROUP
RES 821	Major Project .	·F

Decision:

The Academic Council approved the proposal and authorised the Dean (Academic) to examine the syllabus of the Program to ensure that it matches with the schemes of existing M.Tech Programs.

Agenda 6.11: Proposal for introducing Open Electives for Ph.D course work, M.Tech. and MBA.

The Council was informed that a proposal has been received from the Department of Humanities with regard to change of paper for Ph.D course work. This issue was discussed in the 5th meeting of Academic council held on 28.12.2012 vide Agenda No. 5.17(a) and approved by the Council. Now, Department has suggested that an open elective course with the title "Engineering and Technology for Inclusive Growth" be included in lieu of "Engineering Technology and Social Responsibility" for M.Tech., MBA students.

Further, Department has proposed following open elective:

- (i) Open Elective course for M.Tech/MBA titled "Post Independence Indian Writing in English" for M.Tech Students.
- (ii) Open Elective course for M.Tech/MBA titled "Gender and Technology" for M.Tech/MBA Students.

Decision: The Academic Council approved the open electives of Department of Humanities for the Ph.D course work, M.Tech. and MBA.

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Agenda 6.12: Proposal for introducing MS (Master of Science) by Research program in Bio-nanoscience by the Department of Biotechnology.

The Academic council was informed that a proposal has been received from the department of Bio-tech for introducing a new MS by Research Program in Bio-nano science from the academic session 2013-14. This Program is meant for the students who have completed B.Tech/B.E in Biotechnology/Bioinformatics. The candidates with M.Sc in Applied Science would also be eligible. The students would be required to submit synopsis of the research done by them. They should also provide evidence of good academic record and significant research.

The applications received from the candidates shall be examined by the DRC of the department only after this, the students would be admitted / registered. The Program duration would be 2 years. During the program, the student would be required to complete 2 courses- Research Methodology and the subject decided by DRC. The program would be successfully completed after the submission of duly approved M.S. Thesis. The HoD, Bio Tech. was explained the Scheme of Examination and other details of the program in the meeting.

Decision:

The Academic Council approved the proposal of Department of Biotech to start MS by research in the area of Bio-nano-science in principle and desired that the Dean (IRD) to go through the program content offered by IIIT Delhi and IIT Delhi and thereafter submit its final proposal to the Council.

Supplementary Agenda 1:

Amendment / Addition Proposed in Note/ Special Note of Recruitment Regulations for the Post of Faculty positions

The Academic Council was informed that the present Recruitment Regulation for faculty positions (Professor, Associate Professor and Assistant Professor) were approved by the council in its 5th meeting held on 28.12.2012 and also by the Board of Management in its meeting held on 02.01.2013.

On the suggestion of Hon'ble Chairman, BOM, some additional requirements are proposed to be added in the notes & special notes as presented in Annexure I.

Prof. A.K. Gupta, Head Civil Engineering pointed out that in the RR of Civil Engineering that in essential qualification B.E/ B.Tech in Environmental Engineering cannot be treated as equivalent to B.E/ B.Tech in Civil Engineering. But, this was not agreed to by the Council.

Dr. Seema Singh stated that some subjects of Social Sciences such as Economics, Sociology etc. which are integral part of MBA. In all the good institutions offering MBA, the subject is being taught by an M.A. in concerned

subject. All IIMs are following the same pattern. In AICTE approved institution as FMS, UoD, psychology is being taught by a Professor who is MA and Ph.D. in Psychology and member of the BoS of DSM also. Inferior and lower ranked MBA institutions may be exception.

The Chairman apprised the council that IIMs are not approved by the AICTE, so same cannot be adopted in the university.

Decision:

The Academic Council approved the amended notes & Special notes which are part of the Recruitment Regulations in respect of the faculty positions as per Annexure I.

Supplementary Agenda 2:

Proposal for online submission of Application Forms for admission in M.Tech. Programme for the year 2013-14.

The Academic Council was informed that a proposal has been received from the Assistant Registrar, Academic branch for making online admissions to M.Tech. Programmes for the session 2013-14. In the last academic sessions, 2012-13, the DTU was inviting the applications for admission to M.Tech programs in the prescribed application form. Thereafter, all the details of application form were entered in the computer for compilation of data base and for further admission process. It was found that during the manual entries in the computer, there were chances of errors and mistakes. Further, year by year the number of applications in M.Tech Programmes are also increasing. The trend of increase in applications since the Academic Session 2010-11 is as under:

Sr. No	Academic Session	No. of Application
1	2010-11	1510
2	2011-12	2851
3	2012-13	5091

The University has already introduced the process of online admissions in B.Tech. Programs. Hence, in the era of online admissions it is proposed that the University should start inviting the applications for M.Tech. programmes through online system. It will boost the image the University and will also attract large number of good candidates.

Further, the University has signed a MoU with NIC for online admissions to B.Tech. programmes, the same agency i.e. NIC will be requested for making online admission to M.Tech. programmes. The Dean(Acad.) and Chairman B.Tech admissions have already discussed on the issue and recommended

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that the applications for M.Tech. Program be invited through online system for the next Academic Session i.e. 2013-2014.

Decision: The Academic Council approved the proposal for online admissions to M.Tech programs and authorized the Chairman to approve the modalities and schedule in this regard in consultation with Dean (Academic) and Co-ordinator of the M.Tech program.

Supplementary

Agenda 3:

Proposal for Implementation of NRI Quota in Full Time MBA Program.

The Academic Council was informed that a proposal has been received from the Head, Department of Delhi School of Management, DTU to introduce NRI quota in two years full time MBA program from academic session 2014-15. The number of seats and fee for such candidates shall be as per the University norms. The candidates under this quota shall be selected on the basis of Global Level Management Aptitude Test or other such international standard test for admission to MBA program. Such students shall be exempted from appearing in GD / PI.

The Hon'ble members were also informed that the University has already earmarked 5% seats over and above of the normal intake for NRIs in our M.Tech. Program along with B.Tech. Program with the approval of Academic Council & Board of Management vide decision No. 5.10 (iv). Therefore, this may also be extended for MBA Program. Proposal is

Decision: The Academic Council approved the proposal

Supplementary Agenda 4:

Proposal for Introducing of M.Tech. (Full Time) Program in Nuclear Engineering and Technology by the department of Applied Physics.

The Academic Council was informed that a proposal has been received from the Head, Department of Applied Physics to introduce a new M.Tech. program in Nuclear Engineering and Technology. Department wants to produce Nuclear Engineers which are in great demand these days not only in the country but also all over the world. The production of nuclear scientists/Engineers created by different Institutes and Universities in the country is very less. So keeping in consideration the scarcities of Nuclear Engineers, we will emphasize on the problems related to Nuclear radiations (E.g. Japan nuclear reactor damage problems), and nuclear energy (Alternative source of energy for constructive purposes) and nuclear reactors.

As we know that Nuclear energy is the world's largest source of emission-free energy which can be used as an alternative source of energy which will help to keep the air clean, preserve the Earth's climate, avoid ground-level ozone formation and prevent acid rain. So, by producing Nuclear Engineers, our purpose for the saving the mother earth will be fulfilled.

The M.Tech. program of Nuclear Engineering and Technology will provide research and development expertise in the experimental and theoretical studies of materials for nuclear applications, radiation technology, Nano-biotechnology, nuclear Reactors, fusion and plasma physics, radio isotope applications in manufacturing engineering, computer aided tomography, reactor safety studies, heat transfer in nuclear sub-systems, and development of radiation detectors.

The intake will be 18 with all statutory from reservations meant for SC/ST/OBC and person with disabilities. The duration of the program will be of two years.

So far as the faculty needed to impart instruction to the students of this Program, the HoD, Applied Physics has informed that department has 3 faculty members of the level of Associate Professor and Assistant Professor who would take teaching load. Besides, some guest faculty would also be engaged as per the requirements to carry the teaching load (Theory and Practical's). It is further informed by the HoD that Department would definitely require regular faculty for the above program, but in view of the insistence by the Finance Department to seek sanction from them, even for the posts created by the Board of Management, It may not be possible to create the regular teaching positions and fill up them soon.

Decision:

The Academic Council approved the proposal and authorised the Dean (Academic) to examine the Course Scheme of the Program and to ensure that it is compatible with the examination scheme of the existing M.Tech Programs.

Supplementary Agenda 5 :

Agenda 5.10 (3), M.Tech & MBA Program, Admission Policy 2013-14- Amendment in condition for claiming benefits of reservation in respect of SC/ST/OBC.

The Academic Council was informed that Admission policy for admission to B.Tech., M.Tech., MBA., and PhD Program for the session 2013-14 were approved by the council in its 5th meeting vide decision No. 5.10 & 5.11 respectively, the minutes of which were also accepted by the Board of Management in its 9th meeting.

It may be mentioned for information of the Hon'ble members of the council that, in the case of M.Tech. & MBA Programs, there is no allocation of seats for Delhi and outside Delhi and therefore, admission to both the programs

are made by inviting applications on all India basis and accordingly the caste certificate issued by the authority of other states were also accepted for providing the benefit of reservation to SC/ST/OBC category up till now. But, this time, while preparing admission policy for 2013-14. The condition i.e. "The candidate claiming reservation in admission under SC/ST/OBC category shall be required to produce caste certificate issued by the Govt. of NCT of Delhi." laid down for B.Tech Programs was also added in case of M.Tech /MBA Program. This needs to be deleted from the last para of Page No. 12 of the minutes of the council.

The AC may like to approve deletion of the condition "The candidate claiming reservation in admission under SC/ST/OBC category shall be required to produce caste certificate issued by the Govt. of NCT of Delhi." from the last para of the minutes (Page No 12) for M.Tech/MBA Programs.

Decision:

The Academic Council approved deletion of the Condition "The candidate claiming reservation in admission under SC/ST/OBC category shall be required to produce caste certificate issued by the Govt. of NCT of Delhi." for claiming benefits of reservation in respect of SC/ST/OBC.

Supplementary Agenda: 6

Proposal for Amendment in Ordinance Four relating to Governing Programs Leading to Degree of Doctor of Philosophy.

The Academic Council was informed that a proposal has been received from the Coordinator, Ph.D admission through Dean, IRD to make approximately 13 minor amendments / corrections in the Regulation of Ordinance 4 relating to Ph.D Degree. The agenda is up regarding the problems faced by academic departments of the DTU. The agenda has been put up as per the notification No. F.1-1/2002(PS)exempt. Dated 01.06.2009 of the UGC regarding minimum standard and award of Ph.D degree.

Decision: Academic Council deferred the matter with the advice that the proposed amendment be resubmitted to the Council after their circulation to the HoDs and Deans.

Supplementary

Agenda: 7 Proposal for M. Tech (Full Time) Admissions with scholarship on the basis of GATE Scores / Ranks only.

The Academic Council was informed that a proposal has been received from M.Tech. Admissions coordinator for the amendment in the admission policy in all M.Tech. full time program. It is informed that all the admission of M.Tech are made in DTU on the basis of GATE score and the interview. Mostly

institutes of the country are making admissions only on the basis of GATE Score in M.Tech. programs.

It is also proposed that in M.Tech. vacant seat, if any, after exhausting the list of candidates with GATE score, may be filled from the candidates without GATE score, on the basis of their marks/ grades in B.Tech. or equivalent, as per the eligibility conditions.

Decision: The Academic Council approved the proposal and authorized the Chairman to decide the guidelines for admission and admission schedule in consultation with Dean (Academic) and the Coordinator for M.Tech admission.

Agenda 6.13 : Any other item with the permission of the Chair.

A. Syllabus and Scheme of examination for M.Tech in Hydraulics and Water Resources Engineering.

The HoD, Department of Civil Engineering informed the Academic Council that the proposal in respect of M.Tech in Hydraulics and Water Resources Engineering was discussed in the last meeting of Academic council, held on 28.12.2012 and approved by the Council and Board of Management respectively. Now, the syllabus and scheme of examination M.Tech in Hydraulics and Water Resources Engineering has been prepared by the department for approval of the Academic council.

Decision:

The Academic Council approved the proposal and authorised the Dean (Acad) to examine the course scheme and ensure that it is compatible with the existing schemes of examinations of M.Tech Programs.

B. Proposal for Grading system in B.Tech, M.Tech, MBA, and PhD Degree.

A proposal in respect of adopting grading system in B.Tech, M.Tech, MBA, and PhD degree was discussed in the meeting of the Council .The Academic Council, after detailed deliberation decided to constitute a five members committee to examine and submit their recommendation for consideration of the Academic council. The committee will submit its reports within 15 days time to the Chairman Academic Council.

Decision: Academic Council constituted the committee as under:

1. Dean (Academic)

Chairman

2. Prof. Pragati Kumar

Member



electron responsibility of the control of the contr	3. Prof. H. C. Taneja	ů d	Member
	4. OSD (Result)	q 8	Member
PARTITION OF THE PARTIT	5. Assistant Registrar (Acad)	•	Convener
155 (50-50-00) 155 (5			
TO THE PROPERTY OF THE PROPERT	The meeting ended with a vote of thanks	s to Cł	nair.
enetter.			
PATRICON CONTROL CONTR	The minutes are issued with the approv	∕al of	the Chairman for circulation to Hon'ble
PART MANAGEST	Members.		

(Prof. A.K.Gupta) Registrar

То

- 1. PA to VC for kind information of the Hon'ble Vice Chancellor
- 2. PA to Pro VC for kind information of the Pro Vice Chancellor.
- 3. Prof. S.K. Singh, Dean (I.C.).
- 4. Prof. S. Maji, Dean (IRD) & HOD (Bio-Tech)
- 5. Prof. S.K. Garg, Dean (Acad) & HOD (T&P)
- 6. Prof. H.C. Taneja, Dean (SW)
- 7. Prof .Dr. O.P. Verma, Dean (CE) & HOD (IT)
- 8. Prof. B.D. Pathak, HOD (Mechanical Engg.)
- 9. Prof. Narendra Kumar, HOD (EE)
- 10. Prof. D.Kumar, HOD (A.Chemistry)
- 11. Prof. S.C. Sharma, HOD (A. Physics)
- 12. Prof. A. K. Gupta, HOD (Civil)
- 13. Prof. Rajeev Kumar Kapoor, HOD (E&C)
- 14. Prof. (Ms.) Daya Gupta, HOD (COÈ)
- 15. Dr. Seema Singh, HOD (Humanities)
- 16. Prof. Mukti Acharya, HOD (Applied Mathematics)
- 17. Prof. P.K.Suri, HOD (DSM)
- 18. Prof. Madhusudan Singh, Controller of Examination
- 19. Registrar

(A.C.) 6th Meeting Minutes (Annexure)

RECRUITMENT REGULATIONS FOR FACULTY POSITIONS IN DELHI TECHNOLOGICAL UNIVERSITY

QUALIFICATIONS AND EXPERIENCE FOR FACULTY POSITIONS IN DISCIPLINES OF

QUALIFICATIONS AND EXPERIENCE FOR FACULTY POSITIONS IN DISCIPLINES OF

ENGINEERING/INFORMATION TECHNOLOGY/ ELECTRICAL/ELECTRICAL & ELECTRONICS/ ELECTRONICS &

COMMUNICATION ENGINEERING/BIO-TECHNOLOGY/ POLYMER SCIENCE & CHEMICAL TECHNOLOGY/ENGINEERING

PHYSICS/MATHEMATICS & COMPUTING /TRAINING & PLACEMENT (DIRECT RECRUITMENT)

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desirable ments Int discipline ed research nals of high able publications h.D student able publications h.D student able publications	â
Additional requirer requirer and/or publish papers in jour repute is desir repute is desirand guiding F is highly guiding F is	
Minimum of 05 years experience in teaching / research / industry of which 02 years Post Ph.D experience is desirable Minimum of 10 years teaching / research / industrial experience of which at least 05 years should be	at the level of Associate Professor OR
Essential Qualifications B.E. / B.Tech and M.E. / M.Tech in relevant branch with 1st Class or equivalent either in B.E. / B.Tech or M.E. / M.Tech from a recognised University B.E. / B.Tech and M.E. / M.Tech in relevant branch with 1st Class or equivalent either in B.E. / B.Tech or M.E. / M.Tech and Ph.D or equivalent in appropriate disciplines B.E. / B.Tech and M.E. / M.Tech in relevant branch with 1st Class or	equivalent either in B.E. / B.Tech or M.E. / M.Tech and Ph.D or equivalent in the appropriate
Designation, Pay band and Academic Grade Pay (AGP) Assistant Professor with AGP Rs. 6000/-in PB 3 (Rs. 15,600-39,100/-) ASSociate Professor with AGP Rs 9,000/- in PB-4 (Rs 37,400-67,000/-) in PB-4 (Rs	37,400-67,000/-) with minimum pay Rs 43,000/-
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			62 yrs
			08 research publications in International refereed journals, independent supervision of at least 03 PhD during last 8 years and organizing national/international
Minimum of 13 years of experience in teaching and / or research and / or industry	In case of research experience, good academic record and books / research paper publications / IPR / Patents records shall be required as deemed fit by the expert members of the selection committee	If the experience in industry is considered the same shall be at managerial level equivalent to Associate Professor with active participation record in devising / designing, planning, executing, analysing, quality control, innovating, training, technical books / research paper publications / IPR / Patents etc. as may be deemed fit by the selection committee.	Minimum of 10 years of experience as a Professor and Post Doctoral work of high standards and publications in peer reviewed / refereed research journals
disciplines			Ph.D or equivalent in appropriate disciplines with B.E. / B.Tech and M.E. / M.Tech in relevant branch with 1st Class or equivalent either in B.E. / B. Tech or M.E. / M.Tech
			Professor in PB-Rs 69,000 - 79000 (for a maximum of 10% from amongst the existing Professors)
			4.



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conferences in the	Institute, conduct of	minimum 04 weeks short	term courses/Summer	Schools/Winter Schools	etc., successful	letion of a	sponsored research	project/Industrial	consultancy of not less	than Rs 20 lacs during the	last 08 years
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Notes:

- Experience shall be counted only when it is earned in a Govt Institute/University/Institution recognized by AICTE/ UGC/ Research Laboratory or Industry on a job relevant to the department to which a Candidate is applying. When publications are in highly reputed journals (with highest impact factors in the relevant fields) or the candidate has done PDF or awarded with patents, the University, at its discretion, may suitably reduce the requirement of number of publications. Candidates from Industry/R&D Organizations with relevant experience and Research Publication in Journals of repute shall also be considered if otherwise found suitable. For candidates who have completed Ph.D degree directly after Graduation, the qualification of Master's Degree shall not be R
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- insisted.
 Selection Committee may, in cases of exceptional merit, recommend additional increments in case of higher qualifications, Selection Committee may, in cases of exceptional merit, recommend additional increments by the Candidates at all levels, i.e. Assistant Professor, Associate Professor and experience and academic achievements by the Candidates at all levels, i.e. Assistant Professor. 4 Ś
- In case of an exceptionally meritorious and outstanding candidates, educational qualifications maybe relaxed by the Board. The Qualification(s)/experience is/are relaxable at the discretion of the Board for reasons to be recorded in writing in case of candidates belonging to Scheduled Castes or Scheduled Tribes if at any stage of the selection the University is of the opinion that sufficient number of candidates from these communities possessing the requisite experience are not likely to be available ٠. د
- to fill up the vacancies reserved for them.

 For an incumbent Assistant Professor or Lecturer (Selection Grade) (in pre-revised scale of Rs.12000-18300), experience at For an incumbent Assistant Professor or Lecturer (Selection Grade) will be considered equivalent to experience at the level of Assistant Professor or Lecturer (Selection Grade) has acquired or acquires Associate Professor provided that the incumbent Assistant Professor or Lecturer (Selection Grade) has acquired or acquires Ph.D degree in the relevant discipline. ∞ਂ

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- Persons already in employment in Government Department/Autonomous Bodies/Universities under Central/State Government should apply through proper channel.

 Persons working in private organization, claiming previous experience of working in Government Department/Autonomous Bodies/Universities under Central/State Government, should enclose a certificate from that Govt. organization stating no vigilance or disciplinary case was pending or contemplated against them. Failure to provide the same shall make them ineligible for consideration to the post. 6

Special Note:

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- Engineering are also eligible and vice-versa. The Candidates possessing Degrees in Production Engineering/Automobile Engineering are also eligible and vice-versa. The Candidates possessing ME/M. Tech in Thermal, Production, Design, Energy Studies, Applied Mechanics, CAD/CAM, Metallurgy, Material Science, Industrial Engg alongwith BE/B. Tech in Mechanical/Production/Automobile Engineering (with 1st division in any of two degrees) are also eligible.

 For discipline of Civil Engineering, candidates possessing Degree in Civil Engineering are also eligible.

 For the discipline of Environmental Engineering, candidates possessing Degree in Civil Engineering are also eligible.

 For the Discipline of Computer Engineering/Environmental Science & Engineering/Public Health Engineering are also eligible.

 For the Discipline of Computer Engineering/Public Health Engineering are also eligible.

 For the Discipline of Software Engineering/Public Health Engineering/Electrical Engineering/Software Engineering/Electrical Engineering/Electrical Engineering/Electrical Engineering/Electrical Engineering/Electrical Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Software Engineering/Software Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Computer Engineering/Computer Science & Engineering are also eligible. The candidates possessing MCA and 1st Class in M.Tech/ME Engineering/Computer Science & Engineering are also eligible. The candidates possessing Degrees in Electronics & Communication Information Technology/Computer Engineering/Computer Science & Engineering are also eligible. The candidates possessing MCA and 1st Class in M.Tech/ME Engineering/Computer Science & Engineering are also eligible. The candidates possessing McA and 1st Class in M.Tech/ME Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/Engineering/E

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 - Engineering are also eligible.
 For the Discipline of Electrical Engineering, candidates possessing Degree in Electrical & Electronics Engineering and vice-versa are also eligible. The candidates possessing ME/M. Tech in Power Systems/Power Systems & Drives / Power Apparatus & Drives / Electrical Power System Management / Electrical Drives / Power Electronics, Electrical Machines and Drives / Power Electronics & Drives / Energy Studies / Energy and Env. Mgt / Energy Technology / Energy Systems Engineering / Renewable Energy / Control and Instrumentation / Instrumentation and Control / Control and Automation / VLSI alongwith BE/B. Tech in Electrical /Electrical & Electronics Engineering (with 1st division in any of two degrees) are also eligible. <u>(Ki</u>



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For the Discipline of Electronics & Communication Engineering, candidates possessing Degrees in Electronics & Telecommunication Engineering/ Electronics Engineering/ Electronics Engineering/ Electronics Engineering are also eligible.

For the Discipline of Bio-Technology, candidates possessing Degrees in Bio-Informatics/ Bio-Chemical Engineering are also eligible. The candidates possessing 1st Class in Master of Science in Applied Bio-Ingical Sciences are also eligible.

For the Discipline of Polymer Science & Chemical Technology, candidates possessing Degrees in Polymer Technology/ Chemical Engineering are eligible. The candidates possessing 1st Class in Master of Science in Chemistry/Applied Chemistry/Polymer Science and Ph.D. in Polymer Science & Technology / Chemical Engineering are also eligible.

For the Discipline of Engineering Physics, candidates possessing 1st Class in Masters of Science in Applied Physics/Material Science/Electronics Science and Technology, Plasma Physics, Energy Sciences, Nuclear Science and Technology, Plasma Physics, Energy Science and Page 1st Page 1 \overline{X}

Technology are also eligible. For the Discipline of Mathematics & Computing, candidates possessing 1st Class in Master of Science in Mathematics & Computing/Operation Research/Applied Maths and Ph.D. Degree in Maths/ Applied Mathematics in areas such as Computing/Operation Research/Applied Maths and Ph.D. Computer Science and Technology, Software Engineering, Computer Science and Technology, Operation Research are (ix)

also eligible. For Training & Placement, candidates possessing Degrees in any of the Engineering / Technology discipline are eligible. The Candidate possessing 1st Class in B.Tech/BE and MBA are also eligible.

ANNEXURE - 11

RECRUITMENT REGULATIONS FOR FACULTY POSITIONS IN DELHI TECHNOLOGICAL UNIVERSITY QUALIFICATIONS AND EXPERIENCE FOR FACULTY POSITIONS IN SCIENCES/APPLIED SCIENCES (APPLIED PHYSICS, APPLIED CHEMISTRY AND APPLIED MATHEMATICS) AND HUMANITIES (DIRECT RECRUITMENT)

Age limit (desirable)	35 years	
Additional desirable requirements	Ph.D in relevant discipline and/or published research papers in journals of high repute is desirable	
Relevant Experience	JIN	
Essential Qualifications	i. Good academic record with at least 55% marks or equivalent grade at the Master's degree in the relevant subject from an Indian University or an equivalent degree from an accredited foreign university.	not be required for such
Designation, Pay band and Academic Grade Pay (AGP)	Assistant Professor with AGP of Rs. 6000/- in PB3 (Rs 15600- 39,100/-)	
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	50 years
	A minimum of 08 years of experience of teaching and / or research in an academic / research position equivalent to that of Assistant Professor in a University / College or Accredited Research Institution/industry excluding the period of Ph.D research with evidence of published work and a minimum of 05 publications as books and / or research / policy papers. Contribution to educational innovation, design of new curricula and courses, and technology mediated teaching learning process with evidence of having guided doctoral candidates and research students A minimum score as stipulated in the academic performance indicator (API) based Performance Based Appraisal System, (PBAS), set out by the
Masters Programmes in disciplines for which NET/SLET/SET is not conducted.	i. Good academic record with a Ph.D. degree in the concerned / allied / relevant disciplines. ii. Master's degree with at least 55% marks or an equivalent grade in a point scale wherever grading system is followed.
	Professor with AGP Rs 9,000/- in PB-4 (Rs 37,400-67,000/-)



		55 years	
nec	NOTE: Exact requirement of the subject / discipline of science / humanities will be indicated at	A minimum of 10 years of teaching experience in university/college, and/or experience in research at the University / National Level institutions / industries including experience of guiding candidates for research at Doctoral level innovation to educational innovation design of new curricula and courses and technology mediated teaching learning process A minimum score as stipulated in the academic performance indicator (API) based Performance Based Appraisal System, (PBAS) set out by the UGC	An outstanding professional
		An eminent scholar with Ph.D qualifications in the concerned / allied / relevant discipline and published work of high quality actively engaged in research with evidence of published work with a minimum of 10 publications as books and / or research / policy papers.	
		3. Professor with AGP Rs 10,000/- in PB-4 (Rs 37,400- 67,000/-) with minimum pay Rs 43,000/-	



	62 years	
	publications in International refereed journals, independent supervision of at least 04 PhD during the last 8 years and organizing national/international conferences in the Institute, conduct of minimum 04 weeks short courses/Summer Schools/Winter Schools etc., successful completion of at least 02 sponsored research project/Industrial consultancy of not less than Rs 20 lacs during the last 08	years
with established reputation in the relevant field who has made significant contributions to the knowledge in the concerned / allied / relevant discipline, to be substantiated by credentials	Minimum of 10 years of experience as a Professor and Post Doctoral work of high standards and publications in peer reviewed / refereed research journals	
	Ph D in the relevant area along with 1st class in UG and PG degrees.	
	Professor in PB-Rs 69,000 - 79000 (for a maximum of 10% from amongst the existing Professors)	
	4.	





- Experience shall be counted only when it is earned in a Govt Institute/University/Institution recognized by AICTE/ UGC/ Research Laboratory or Industry on a job relevant to the department to which a Candidate is applying. When publications are in highly reputed journals (with highest impact factors in the relevant fields) or the candidate has done PDF or awarded with patents, the University, at its discretion, may suitably reduce the requirement of number of publications. Candidates from Industry/R&D Organizations with relevant experience and Research Publication in Journals of repute shall also be considered if otherwise found suitable.

 For candidates who have completed Ph.D degree directly after Graduation, the qualification of Master's Degree shall not be
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- insisted. 4.
- Selection Committee may, in cases of exceptional merit, recommend additional increments in case of higher qualifications, experience and academic achievements by the Candidates at all levels, i.e. Assistant Professor, Associate Professor and ĸ.
- In case of an exceptionally meritorious and outstanding candidates, educational qualifications maybe relaxed by the Board. The Qualification(s)/experience is/are relaxable at the discretion of the Board for reasons to be recorded in writing in case of candidates belonging to Scheduled Castes or Scheduled Tribes if at any stage of the selection the University is of the opinion that sufficient number of candidates from these communities possessing the requisite experience are not likely to be available ø.∠.
- to fill up the vacancies reserved for them.

 For an incumbent Assistant Professor or Lecturer (Selection Grade) (in pre-revised scale of Rs.12000-18300), experience at the level of Assistant Professor or Lecturer (Selection Grade) will be considered equivalent to experience at the level of Associate Professor provided that the incumbent Assistant Professor or Lecturer (Selection Grade) has acquired or acquires Ph.D degree in the relevant discipline. ∞:
 - in Government Department/Autonomous Bodies/Universities under Central/State တ်
- Persons already in employment in Government Department/Autonomous Bodies/Universities under Central/State Government should apply through proper channel.

 Persons working in private organization, claiming previous experience of working in Government Department/Autonomous Bodies/Universities under Central/State Government, should enclose a certificate from that Govt. organization stating no vigilance or disciplinary case was pending or contemplated against them. Failure to provide the same shall make them ineligible for consideration to the post. ć

ANNEXURE - III

RECRUITMENT REGULATIONS FOR FACULTY POSITIONS IN DELHI TECHNOLOGICAL UNIVERSITY, QUALIFICATIONS AND EXPERIENCE FOR FACULTY POSITIONS IN MANAGEMENT DISCIPLINES

(DIRECT RECRUITMENT)

Age illilli (desirable)	35 years	50 years	55 years	
Age (desi				
irable its	nt area elevant ssirable	ications Ph.D highly	ications Ph.D highly	
Additional desirable requirements	relevar /ears r	h.D publ guiding t is	h.D publ guiding t is tle	
Addition	Ph.D in relevant area or 02 years relevant experience is desirable	Post Ph.D publications and guiding Ph.D student is highly desirable	Post Ph.D publications and guiding Ph.D student is highly desirable	
Kelevani Experience	NIL	Minimum of 05 years experience in teaching / research / industry of which 02 years post Ph.D experience is desirable	of 10 years teaching / / industrial experience of least 05 years should be at the ssociate Professor	Minimum of 13 years of experience in teaching and / or research and / or
Qualifications	1 st Class in Master's Degree in Business Administration (MBA) or equivalent	Ph. D with 1 st class in MBA or equivalent	Ph D in the relevant area along with 1st class in MBA or equivalent	
Designation, Pay band and Academic Grade	Assistant Professor with AGP of Rs 6,000/- in PB-3 (Rs 15,600-39,100/-)	Associate Professor with AGP of Rs 9,000/- in PB-4 (Rs 37,400-67,000/-)	Professor with AGP of Rs 10,000/- in PB-4 (Rs 37,400- 67,000) with a minimum pay Rs 43,000/-)	
SI. No.	-	2	က်	



	62 years
	publications in linternational refereed journals, independent supervision of at least 04 PhD during the last 8 years and organizing national/international conferences in the linstitute, conduct of minimum 04 weeks short term courses/Summer Schools/Winter etc.,
academic record and books / research paper publications / IPR / Patents records shall be required as deemed fit by the expert members of the selection committee If the experience in industry is considered the same shall be at managerial level equivalent to Associate Professor with active participation record in devising / designing, planning, executing, analysing, quality control, innovating, training, technical books / research paper publications / IPR / Patents etc. as may be deemed fit by the selection committee.	10 years as a Professor
	Ph D in the relevant area along with 1 st class in MBA or equivalent
	Professor in PB-Rs 69,000 -79000 (for a maximum of 10% from amongst the existing Professors)
	4



successful completion	least 02	research	ustrial	consultancy of not less	than Rs 20 lacs during	years
successful	of at	sponsored	project/Industrial	consultanc	than Rs 20	the last 08 years



Notes:

- Experience shall be counted only when it is earned in a Govt Institute/University/Institution recognized by AICTE/ UGC/ Research Laboratory or Industry on a job relevant to the department to which a Candidate is applying. When publications are in highly reputed journals (with highest impact factors in the relevant fields) or the candidate has done PDF or awarded with patents, the University, at its discretion, may suitably reduce the requirement of number of publications. Candidates from Industry/R&D Organizations with relevant experience and Research Publication in Journals of repute shall also be considered if otherwise found suitable. For candidates who have completed Ph.D degree directly after Graduation, the qualification of Master's Degree shall not be insisted. તં
- Selection Committee may, in cases of exceptional merit, recommend additional increments in case of higher qualifications, experience and academic achievements by the Candidates at all levels, i.e. Assistant Professor, Associate Professor and 4 Ŋ
 - Professor.
- In case of an exceptionally meritorious and outstanding candidates, educational qualifications maybe relaxed by the Board. The Qualification(s)/experience is/are relaxable at the discretion of the Board for reasons to be recorded in writing in case of candidates belonging to Scheduled Castes or Scheduled Tribes if at any stage of the selection the University is of the opinion that sufficient number of candidates from these communities possessing the requisite experience are not likely to be available 9 ℃
- to fill up the vacancies reserved for them.
 For an incumbent Assistant Professor or Lecturer (Selection Grade) (in pre-revised scale of Rs.12000-18300), experience at the level of Assistant Professor or Lecturer (Selection Grade) will be considered equivalent to experience at the level of Associate Professor provided that the incumbent Assistant Professor or Lecturer (Selection Grade) has acquired or acquires Ph.D degree in the relevant discipline. ထ
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 Persons working in private organization, claiming previous experience of working in Government Department/Autonomous Bodies/Universities under Central/State Government, should enclose a certificate from that Govt. organization stating no vigilance or disciplinary case was pending or contemplated against them. Failure to provide the same shall make them ineligible for consideration to the post. 6.



DELHI TECHNOLOGICAL UNIVERSITY

Established under Govt. of Delhi Act 6 of 2009

(Formerly Delhi College of Engineering)

(Formerly Delhi College of Engineering) BAWANA ROAD, SHAHBAD DAULATPUR, DELHI-42

Regulation on use of unfair means in examinations

F.6 (40) DTU/Exam Cell/

Dated

In exercise of the powers conferred by Section 33 of the DTU Act,2009 (Delhi Act 6 of 2009) relating to regulations, the Board of Management, on the recommendation of the Academic Council, which is conferred with the powers, vide Sub-clause 1(c) of Clause 11 of the First Statutes to frame such regulations as are consistent with the Statutes and the Ordinances regarding academic functioning of the University, in reference to Clause 14 of the First Ordinance, Clause 20 of the Second and Third Ordinances, relating to Unfair Means, makes the following Regulations which shall apply to all the B.Tech, M.Tech and MBA Programs for dealing with the cases of suspected or alleged or reported use of unfair means practice in examination.

- 1. **Short title and commencement-**(a) This regulation may be called the Delhi Technological University (First) Regulations, 2012.
- (b) They shall come into force from the academic session 2012-13
- 2. Definitions-
 - (a) "Examination" means an examination conducted by the Delhi Technological University;
 - (b) "The year" means the Academic Year;
 - (c) "Candidate" means a student of DTU which includes an examinee taking any examination in a particular year and, wherever context so permits, every student on the rolls of the University.
 - (d) "University" means Delhi Technological University, Delhi.
 - (e) "Supervisor" means invigilator in the examination Hall.
 - (f) "Student" means a candidate registered for any UG/PG, Full Time/ Part Time program for the Delhi Technological University.
 - (g) "Unfair means" means use of any dishonest means or indulgence in disorderly conduct in the examination. The use of dishonest or unfair means in the examination includes.
 - (i) Assisting in any manner whatsoever any other candidate in answering the question paper during the course of the examination.



- (ii) Taking assistance from any other candidate or any other person or from any back paper notes or other material in answering the question paper during the course of the examination.
- (iii) Carrying any book, paper, notes, or other material whatsoever likely to be used directly or indirectly by the candidate in connection with the examination, in the examination centre.
- (iv) Smuggling in an answer book or a continuation sheet.
- (v) Taking out or arranging to send out an answer book or its any page or continuation sheet.
- (vi) Replacing or getting replaced an answer book or its any page or continuation sheet during or after the examination.
- (vii) Getting impersonated by any person in the examination.
- (viii) Deliberately disclosing one's identify or making any distinctive mark in the answer book for that purpose.
- (ix) Communicating with or talking to any other candidate or unauthorized person in or around the examination centre during the course of the examination.
- (x) Communicating or attempting to communicate directly or through a relative, guardian and friend with an examiner with the object of influencing him in the award of marks.
- (xi) Swallowing or destroying any note or paper found with him/her.
- (xii) Note written on any part of clothing, body, desk, table, or any instrument such as setsquare, instrument box, calculator, loose paper, admit card, question paper, photocopies of printed/ written matter and use of electronics gadget, etc.(mobile phones.)
- (xiii) Consulting notes, books or any other outside person while going to toilet, etc. outside the Examination Centre.
- (h) Disorderly conduct in the examination includes.
- (i) Misbehavior in connection with the examination, with the Superintendents, the Invigilator(s) on duty or the other staff working at the Examination Centre, or with any other candidate, in or around the examination centre, before, during or after the examination hour.
- (ii) Leaving the examination room before the expiry of half an hour or without handing over the answer book to the Invigilator in-charge or without signing the attendance sheet.
- (iii) Talking to another candidate or any other person inside or outside the Examination Hall during the examination, without the permission of supervisory staff.
- (iv) Intentionally tearing off the answer book or a part thereof or a continuation sheet.
- (v) Disturbing or disrupting the examination.
- (vi) Inciting other to leave the examination room or to disturb or disrupt the examination.
- (vii) Carrying into the examination centre any weapon of offence.
- (viii) Carrying into the examination hall any mobile phone.



- 2. (a) Any student caught for use of any dishonest or unfair means or include in disorderly conduct in the examination shall have to give a statement to the Centre Superintendent in the presence of respective invigilator(s). In case, the student refuses to give a written statement, the fact of his refusal shall be recorded by the Centre superintendent and witnessed by at least two members of the supervisory staff present at the time of interrogation of the candidate by the Centre Superintendent.
 - (b) Without prejudice to the provision contained in sub—clause (a) above, the Centre Superintendent or the Examiner conducting practical or oral examination shall also have the power to expel a candidate, from the examination centre for the remaining duration of the paper, who, in his opinion, has used of any dishonest or unfair means or indulge in disorderly conduct in the examination.
- 3. (a) The Centre Superintendent or the Investigator or any Officer of the University, as the case may be, shall report in writing in the prescribed Performa to the Controller of Examinations the case of every student caught for using of any dishonest or unfair means or indulge in disorderly conduct in the examination.
 - (b) The reporting authority shall give full facts of the case in his report and forward with it the statements, if any, made on the occasion by the candidate and the invigilator on duty and papers, books and other material recovered from the candidate, if any.
- 4. If a candidate fails to deliver his answer books to the Invigilator(s)/Supervisory staff before leaving the Examination Hall, a report shall be sent by the Centre Superintendent to the Controller of Examinations in a separate sealed cover immediately after the examination of the day.
- A person appearing in place of an actual candidate to appear in an examination shall invite registration of criminal case under Indian Penal Code by the Centre Superintendent on behalf of Controller of Examinations and a report shall be sent by the Centre Superintendent to the Controller of Examinations in a separate sealed cover immediately after the examination of the day. Such, Student shall be disqualified from passing the examination for which he was a candidate, and may, in addition, be debarred from appearing at any future examination of the University for a further period to be stated or be expelled from the University and declared not a fit and proper person to be admitted to any further examination of the University.
- 6. All the cases regarding use of unfair means practices in the examinations shall be reported and placed before the Committee i.e. 'Unfair Means Scrutiny Committee". There shall be one or more Unfair Means Scrutiny Committee. The Controller of Examinations shall recommend the number of the Unfair Means Scrutiny Committee time to time as per the requirements. Each such Committee, hereinafter referred to as the Unfair Means Scrutiny Committee shall be constituted a under:



- (a) On the recommendation of the Controller of Examinations, at the beginning of each academic year, the Vice-Chancellor shall nominate a panel of teachers of the University to constitute the Unfair Means Scrutiny Committee.
- (b) Each Unfair Means Scrutiny Committee shall comprise Dean (Student Welfare), Dean(Academic), Controller of Examinations and two teachers of the University(Not less than the status of Associate Professor) to be nominated by the Vice-chancellor.
- (c) An Assistant Controller of Examinations/Assistant Registrar (Exam.) will function as Member Secretary of the Unfair Means Scrutiny Committee.
- 7. (a) The Controller of Examinations or any person authorized by him on his behalf shall communicate to the candidate, in respect of whom a report has been received pursuant to clause 1(d) & 1(e), the precise nature of allegations against him/her and shall require him/her to furnish his/her to furnish his/her written explanation within a stipulated period.
 - (b) On receipt of explanation from the candidate or on the expiry of the period stipulating for submitting explanation, if no explanation is received from him/her the Controller of Examination shall forward the case(s) to the Unfair Means Scrutiny Committee and, where there are more Committees than one, such the Unfair Means Scrutiny Committee as he may be deemed fit
- 8. After considering all the material on record including the explanation, if any, submitted by the candidate, the Unfair Means Scrutiny Committee if satisfied that the candidate is guilty of the use of dishonest or unfair means or disorderly conduct in the examination, shall recommend to the Vice-Chancellor the punishment that may be imposed on the candidate as detailed in Annexure-I, according to the nature of the offence.
- 9. The Vice-Chancellor may after considering the report of the Unfair Means Scrutiny Committee take such action against the candidate under Annexure-I as may be deemed fit.
- 10. A candidate on whom any punishment has been imposed under Annexure-I may, within 30 days from the date of the receipt of the communication in that behalf, make a representation to the Vice-Chancellor for review of his/her case and the decision of the Vice-Chancellor shall be final.
- 11. In any case of a candidate who has been debarred from appearing in any Exam. of the University in terms of the provisions of Annexure-I, the Vice-Chancellor may, on the recommendation of the Unfair Means Scrutiny Committee, on the expiry of three years after such expulsion including the examination in connection with which he was punished, exempt a candidate from further operation of the punishment awarded.
- 12. If within four months of the publication of the results, it is brought to the notice of the Controller of Examinations that a candidate was guilty of the use of dishonest or unfair means at the examination in respect of which his/her result was declared, the provisions of this Ordinance shall apply mutatis mutandis to the case of such a candidate provided that before imposing any



penalty including the penalty of cancellation of his result, he/she shall be given another opportunity to show cause against the proposed punishment and his explanation, if any, shall be considered by the Academic Council of the University.

- (a) A candidate against whom an enquiry is pending about his/her allegedly having reported to the use of dishonest or unfair means or disorderly conduct in the examination or against, whom action is initiated under the provisions of the proceeding clause shall, if he/she takes or has taken any subsequent examination, be deemed to have been only provisionally admitted to that subsequent examination. That examination will stand cancelled and his/her result therefore would not be declared if on account of the punishment imposed on him/her as a result of the said enquiry or action, he/she would not have been entitled to take that examination but for his provisional admission thereto.
- 13. If a person, not otherwise covered by these provisions, is found guilty of having impersonated a candidate or of having written, outside the examination hall, an answer book or its any page or a continuation sheet which he/she knows or has reason to believe will be smuggled into the examination hall for the benefits of any candidate, or of having managed otherwise to replace the answer book or its any page(s) by the candidate after the examination, he shall be disqualified from appearing in any University Examination as per Annexure-I. The provisions of the Ordinance relating to the manner of imposition of penalty shall, in so far as they may be applicable, apply to the case of such a person.
- 14. Notwithstanding anything stated in this Regulations, for any unforeseen issues arising, and not covered by this Regulation, or in the event of differences of interpretation, the Vice-Chancellor may take a decision, after obtaining if necessary the opinion/advice of the Unfair Means Scrutiny Committee. The decision of the Vice-Chancellor shall be final.

By the order of the Board of Management of Delhi Technological University



The case(s) of the candidate(s) booked for use of unfair means and/or for resorting to disorderly conduct in University examinations shall be dealt in accordance with the University rules, the extracts of which are given below:-

Part	Offence		Punishment
A	(ii)	Talking to another candidate or any person inside or outside the Examination hall during the examination hours, without the permission of a member of the supervisory staff. Committing breach of any other direction given to candidates.	Cancellation of the examination in the paper of the day of incident only and declaring the result on the basis of the performance of the candidate in the remaining papers/ subjects. The candidate shall be deemed to have secured zero mark in the paper so cancelled.
B	(i)	Keeping in possession papers, books or notes or is found having written notes on the question paper or on any part of the clothes worn by him/her or on a part of his/her body or table or desk or is found in possession of foot rule and/ or instruments like: Setsquares protractors, slide rules, etc. with notes written on them, which could be helpful or of assistance to his/her in answering the paper etc. He/she is talking or could be helpful or of assistance to other candidate in that examination hall, but the candidate has not attempted to take any assistance himself/herself or give any assistance to any other candidate from such material.	Cancellation of the entire examinations.
	(ii)	Intentionally tearing off the answer book or a part therefore or a continuation sheet.	
	(iii)	Deliberately disclosing his/her identity or making any distinctive mark in the answer book for that purpose in contravention of any general rules in this behalf.	
	(iv) (v)	Using abusive or obscene language in the answer book. Misbehaving in connection with the examination with the Superintendent, the Invigilator on duty and the other staff working at the Examination Centre or with any other staff working at the Examination Centre or with any other candidate in or around the Examination Centre before, during or after the examination.	

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		vi) Leaving the examination room before expiry of half an hour without the written permission of the Superintendent of the Examination and/or without handing over the answer book to the Invigilator/Incharge and/or without signing the attendance sheet.	
	(i)	Keeping in possession papers, books or notes or is found having written notes on the question paper or on any part of the clothes worn by him/her or on any part of his/her body or table or is found in possession of foot rule and/or instruments like set-squares, protractors, slide rules with notes written on them and which notes papers, books or the material written on foot rule or instruments, or on the question paper or on clothes worn by him/her or any part of his/her body, table or desk etc., could be helpful or of assistance to him/her in	Cancellation of the entire examinations taken by the candidate during the year and further debarring him/her from appearing at any examination of the university within a span period of one year (12 months).
•		answering the paper he/she is taking or could be helpful or a assistance to other candidates in that examination hall and if the candidate has made actual use of material himself/herself or given assistance thereof to any other candidate during the examination.	
	(ii)	Assisting or attempting to assist in any manner whatsoever any other candidate in answering the question paper during the examination hours.	
	(iii)	Where the candidate takes assistance or attempts to take assistance from to other candidate or any other person or from any book, paper, notes or other material in answering the question paper during the examination.	
	(iv)	Where the answer book of the candidate shows or otherwise established that he/she has received or attempts to receive any help from any other candidate or any source in a malafide manner or has given help or attempted to give help to another candidate in a manner during the examination hours.	Moz
	(v)	Gross misbehavior i.e. threatening with physical force in connection with the examination with the Superintendent, the Invigilator on duty or any other staff working at the Examination Centre or	

	with any other candidate in or a the Examination Centre, before, d or after the Examination.	round uring
	(vi) Where the candidate disturbs examination or attempts to do so.	the
	(vii) Where the candidate on I challenged or searched during course of examination by Superintendent or any Invigilator of any member of the examination standuty, swallows a note or paper or with it or is guilty of caudisappearance or destroying any material with the intention obliterating the evidence of his having possessed material.	the or by ff on runs using such
D	(i) Where the candidate brings in examination room unauthorized and book or continuation sheet.	taken by the candidate and further debarring him/her from appearing at any
·	(ii) Where the candidate sends out answer book or paper thereof o continuation sheet or the question pa or any material concerning thereto.	an span of two years (24 months).
	(iii) Where the candidate replaces or a replaced during the course of examination his/her answer book or a page or continuation sheet with a other unauthorized book, page continuation sheet.	the any any
	(iv) Where the candidate communicates attempts to communicate directly through a relative, guardian, friend any other person with an examiner wan objective of influencing him/her the award of marks.	or or ith
	(v) Where the candidate replaces or go replaced an answer book or its any pa or continuation sheet after t examination or manages to write or go written an answer book including the continuation sheet, if an answer to an of the questions which he had n written earlier during the examination.	ge he ets he ny ot
	(i) Where the candidate is guilty of grownisbehavior in connection with the examination with the Supdt./th Invigilator on duty or the other sta working at the Examination Centre before or during or after the examination and has also extended the such person a threat of violent actions.	Cancellation of the entire examinations taken by the candidate and further debarring him/her from appearing at any examination of the University during a span period of three years (36 months).

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		with a weapon of offence.	
	(ii)	Where the candidate has impersonated at the examination.	•
	(iii)	The impersonator so impersonating, (if a student of any course or a candidate for any examination) shall also be liable to the same punishment.	
F	(i)	Where the candidate incites to leave the examination room to disrupt the examination or attempts to do so.	Cancellation of the entire examinations taken by the candidate and further debarring him/her from appearing at any
	(ii)	Where the candidate is guilty of gross misbehavior in connection with the examination with the Invigilator on duty or the other staff working at the examination and is also guilty of assault or inflicting any injury on such person.	examination of the University during a span of five years (60 months)
	(iii)	Where candidate is guilty of forging the signature of an authority on the record book presented as a part of practical examination or on any document required in connection with the examination.	

Note:

- 1. Having once made use of dishonest or unfair means or having once indulged in disorderly conduct in the examination, if the candidate again makes use of dishonest or unfair means or indulges in disorderly conduct in the same examination, he/she shall be awarded punishment prescribed in that sub-clause which is next to the one in which his/her case falls or any higher punishment.
- 2. Cases of use of unfair means or disorderly conduct of the examination, for charges not covered by the fore-going provisions shall be decided by the Vice-Chancellor on individual merits of the case.

