DTU

Delhi Technological
UNIVERSITY

DELHI TECHNOLOGICAL UNIVERSITY

Minutes of the Third Meeting of the Academic Council

Shahbad Daulatpur, Bawana Road, Delhi-110042

Delhi Technological University
(Estd. by Govt. of Delhi vide Act No. 6 of 2009)
(formerly Delhi College of Engineering)

F.No.DTU/ORG/AC/Meeting/01(1)/2010　　　　　　　　　Date :

Minutes of the meeting of Academic Council held on 18.7.2011 at 11.00 a.m. in the Senate Hall of DTU.

The Third meeting of the Academic Council of DTU was held in the Senate Hall of DTU on 18.7.2011 at 11.00 a.m.

The following members were present :

1.　　Prof. P.B. Sharma, Vice Chancellor
2.　　Prof. Moin Uddin, Pro Vice Chancellor.
3.　　Dr. Gopal Ranjan, Former Pro-VC, University of Roorkee
4.　　Prof. M.P. Gupta, Delhi School of Management, IITD
5.　　Prof. B.D. Pathak, Dean (Academic) & HOD (Mechanical), DTU
6.　　Prof. H.C. Taneja, Dean (SW) & HOD (Applied Mathematics), DTU
7.　　Pro. N. K. Jain, Dean (CE), DTU
8.　　Prof. S. K. Singh, Dean(IC), DTU
9.　　Prof. Asok Bhattacharyya, Professor, E&C Engg.
10.　Prof. Asok De, Professor & Principal, AIT, Geeta Colony
11.　Prof. G.L. Verma, Head (Chemistry & Polymer), DTU
12.　Prof. S.K. Garg, Head, DSM & HOD (T&P), DTU
13.　Prof. A. K. Gupta, HOD (Civil), DTU
14.　Prof. Narendra Kumar, HOD (EE), DTU
15.　Prof. Rajeev Kumar Kapoor, HOD (E&C), DTU
16.　Prof. O.P. Verma, HOD (IT), DTU
17.　Dr. Seema Singh, HOD (Humanities), DTU
18.　Dr. Yogita Kalra, Assistant Professor for HOD (A. Physics), DTU
19.　Prof. Madhusudan Singh, Controller of Examination
20.　Sh. P.R. Chadha, , Associate Professor, DTU
21.　Dr. Narendra Kumar, Associate Professor, DTU
22.　Sh. U.K. Worah, Registrar, DTU

Prof. S.C. Dutta Roy, Prof. Surendra Prasad, Prof. J.P. Subrahmanyam, Ms. Shobha Mishra and Prof. Mukti Acharya could not attend the meeting due to their pre-occupation. Sh. O.P. Shukla, OSD, DTU and Dr. K. Singh, Joint Registrar (Admn) attended the meeting as invitees to assist the Council.

The Minutes of the meeting are as follows:

Agenda 3.1 :　　Chairman's opening remarks

The Hon'ble Vice Chancellor welcomed all the members of the Academic Council and made a brief presentation with regard to various activities took place in the University during the last 6 months including the admissions related with B.Tech. M.Tech., MBA and Ph.D programs. He also highlighted the achievement made by the university during this period and other initiatives such as signing of MoU with the National University of Singapore, M/s. Samsang Electronics, launching of international journal by the Computer Engineering Department etc. A special reference to the

placements took place during the academic session 2010-11 and ranking of the university in the survey conducted by the Out Look and India Today 2011 Books made. After the presentation he took up the Agenda Items, and requested the Registrar to conduct the meeting. Thereafter, the Agenda Items were taken up one by one for discussion:

Agenda 3.2 : Confirmation of the minutes of the 2nd meeting of Academic Council held on 21.12.2010

The Academic Council was informed that Minutes of the Second meeting of the Council held on 21.12.2010 were circulated among all the members vide minutes No.DTU/ORG/AC/Meeting/ 01(1)/2010/15096 dated 24.12.2010, no comments have been received from any of the members.

Decision : The Academic Council therefore, confirmed the minutes of the Second meeting of the Council.

Agenda 3.3 : Action taken report on the decisions taken in the 2nd meeting of the Academic Council

Decision : Action taken report was placed before the Council and was accepted by the Council.

Agenda 3.4 : Matter for information and ratification

i. Admission to M.Tech., MBA and Ph.D programs for the academic year 2011-12

The Academic Council was informed that to attract best of minds to ensure high academic standards and encourage research and innovation in area of relevance to industry and society, the university invited application for M.Tech. and Ph.D programs for the academic session 2011-12. The advertisement was published in leading news papers on 1.6.2011 and also uploaded on the University Website.

2840 applications for M.Tech. admission were received and the candidates were shortlisted into the ratio of 1:6 for test and interview. The selection of candidates was made by the Selection Boards constituted by the Hon'ble Vice Chancellor as per the guidelines approved by the Academic Council on 4th & 5th July, 2011. This year admission to M.Tech. programs have been made from amongst the candidate who have secured Gate Score 98.4 to 99.7 percentile. It is a good sign for the university that the candidates with high percentile in GATE are coming for admission in M.Tech. program of the University.

Applications were also invited for admission to MBA program for the academic session 2011-12. The advertisement was published in leading news papers on 30.1.2011 and also uploaded on the University Website. Total 303 applications were received. The candidates were called for GD and interview during 25-29th April, 2011. 170 candidates reported for Group Discussion & Personal

Interview. First list of selected candidates was brought out on 10th May 2011 and admission process for MBA is still going on. This year there have been significant improvement in the quality of the students. Almost 100% engineering students applied for admission to MBA program which was designed on the lines of IIT, Delhi for the purpose of retaining their engineering and technology acumen.

ii. **Appointment as Teaching-cum-Research Fellowship (TRF) and Post Doctoral Fellowship(PDF)**

The Academic Council was informed that:

The Board of Management in its 2nd meeting held on 21.11.2009 created 25 Teaching cum Research Fellowship/Post Doctoral Fellowship in order to keep pace with research beyond teaching at UG /PG level and provide leadership in bringing culture of innovation and research at all levels of academic activities. Accordingly, the university invited applications for appointment as Teaching-cum-Research Fellowship (TRF) and Post Doctoral Fellowship (PDF) from the academic session 2011-12. The advertisement was published in leading news papers on 25.5.2011, 26.5.2011 and 28.5.2011 and also uploaded on the University Website. In response to it, 94 applications have been received. These are under process.

iii. **Admission of Foreign Nationals(FNs)/Persons of Indian Origin(PIOs)/Non-Resident Indians(NRIs) under B.Tech & M.Tech Programs for the academic year 2011-12**

The Academic Council was informed that the applications for admission to 5% seats in 14 B.Tech. and 17 M.Tech. full time programs of DTU for NRIs, Foreign Nationals and Persons of Indian Origin were invited by the University for the academic session 2011-12. The advertisement was published in leading news papers on 3.6.2011 and also uploaded on the University Website. In response to it, 113 applications were received. The list of provisionally selection candidates was displayed on 13.7.2011. The process of admission is on.

iv. **On line counselling/Admissions for B.Tech. Programs for the session 2011-12**

The Academic Council was informed that online Applications for admission to 15 B.Tech programs of DTU were invited by the University for the academic session 2011-12. The advertisement was published in leading news papers on 7.6.2011 and also uploaded on the University Website. DTU has completed first phase of admission which began on 7th June, 2011 ended with 10,827 candidates registering for 1218 B.Tech seats in 15

disciplines. This year the entire process of admission is taking place online at the DTU Admissions Website WWW.dtuadmissions.nic.in Under the online system all admissions will be made on the basis of merit ranks in AIEEE 2011. All those who have registered for admission were allowed to submit their online choices of branches available. A candidate has an option to submit as many as 15 choices in the order of his preference. The online choice submission was from June 23 to June 29th. Choices once locked b the candidates shall not be allowed to change. The first allotment of seats was made on 5.7.2011 and candidates started reporting for admission on 6.7.2011. The university shall make all admissions purely on the basis of merit ranks in AIEEE 2011 so long as the candidates satisfy the other eligibility conditions.

v.   Admission to B.Tech.(Evening Program) 2011-12

The Council was further informed that the applications for admission to 4 B.Tech (Part-time) programs of DTU were invited by the University for the academic session 2011-12. The advertisement was published in leading news papers on 21st and 22nd April, 2011 and also uploaded on the University Website. An entrance examination for the same was conducted on 26.6.2011. The result of the same was declared on 5.7.2011 and counselling will commence from 19.7.2011. The Admission will be made as per the procedure approved by the Council.

vi.   Academic Calendar for B.Tech, M.Tech and MBA Programs for the academic session 2011-12

The Academic Council was informed that the Academic calendar for B.Tech, M.Tech. and MBA programs to be observed during the academic session 2011-12 has been prepared.

vii.   MOU Signed between National University of Singapore and the Department of Computer Engineering, DTU

The Council was informed that a delegation from the National University of Singapore (NUS) visited Delhi Technological University on 21.2.2011. During their visit a MoU was signed between DTU and NUS. The MoU will allow both the Universities to identify opportunities for academic staff exchange, cooperation, joint research and development in disciplines of mutual interest in Computer Science. The MoU will provide an opportunity to the faculty members of both institutions to undertake collaborative projects in research and other academic activities as well as a chance to work in an international atmosphere. Under the MoU upto two graduating students of DTU will get opportunities to pursue their PG from NUS. It will also open avenues for UG/PG students of DTU to undertake summer internships and research projects at NUS.

viii.   **Launching of Society for IT Engineers**

The Council was informed that with a vision to forge links between budding engineers and industrial expectations, Delhi Technological University established a technical society called Society for Information Technology Engineers (SITE) solely for IT and computer software students. SITE was formally inaugurated on 2.2.2011 by Mr. Savitur Prasad, IAS, Secretary, Department of IT, Govt. of Delhi along with Prof. S. C. Duta Roy, IIT, Delhi, Hon'ble Vice Chancellor, DTU, Prof. O. P. Verma, HoD, IT, DTU.

ix.   **Launching of International Journal (SEIJ) by the Department of Computer Engineering**

The Academic Council was informed that the Department of Computer Engineering, DTU has launched an international journal in Software Engineering namely "Software Engineering : An Internal Journal (SEIJ)". SEIJ will cover topics of interest of software quality, software metrics, software architecture and design, empirical software engineering, software testing, software requirement engineering, security issues, reliability models and methods for developing, verifying and implementing the systems, method engineering, software re-engineering and component based software engineering. The journal will be helpful in empirical studies in software engineering with traditional and innovative techniques, including machine learning techniques. The first issue of the above online journal will be released in August, 2011.

x.   **MoU signed between Computer Engineering Department and M/s. Samsung Electronics**

The Academic Council was further informed that the DTU signed a MoU for three years with M/s. Samsung India Electronics Ltd.(SIEL) on 6.5.2011. The MoU covers four areas of collaboration – Coordinating in-house tutorials for SIEL employees, workshops conducted by DTU for employees of SIEL, sponsored doctoral and post graduate program at DTU for employees of SIEL, paid internship opportunities for the students of DTU in SIEL and Joint Research project. Under the MoU, the Samsung will recruit upto 5 student interns from DTU for six weeks on a paid stipend who will be exposed to live projects of SIEL.

xi.   **Placements at DTU during 2010-11**

The Academic Council was informed that the placements at DTU have reached a new height with the University crossing its last year mark of 683 job offers with 955 job offers received this year from 176 companies. 140 students have received double

placements and all eligible M.Tech. and MBA students are also placed through campus placement. For the session 2010-11, 176 reputed Industries and R&D Organizations visited the DTU campus. The prominent companies which have visited the University include Microsoft, Maruti, IOCL, GAIL, Sony, Yahoo, C-DoT, Nestle, JP Morgan, L&T, Tata Motors, Google, TCS and NTPC among many others. The overall pay package has increased by 10% from last year.

xii. **Ranking of the University in survey conducted by OUTLOOK**

The Academic Council was informed that as per Outlook MDRA Survey 2011, the Delhi Technological University has been ranked 8th among the top ten Engineering Institutions of the Country after six IITs at Kharagpur, Delhi, Mumbai, Kanpur, Chennai, Roorkee and IT-BHU. DTU has been placed 3rd for "Top 10 Engineering Colleges in Placement" behind only IIT Kharagpur and IIT Delhi. This just shows how industry relevant our courses are. DTU has also earned 7th Rank for "Top 10 Engineering Colleges in Selection Process". 5th Rank for "Top 10 Engineering Colleges In Personality Development & Industry Interface" and 7th Rank for "Top 10 Engineering Colleges In Infrastructure & Facilities".

Also the India Today has ranked DTU at number 7 among the top 10 Engineering Colleges in India. This is a significant jump in our earlier rating of 13 in 2010 and 15 in 2009 when DTU was DCE.

xiii. **Modification in the eligibility criteria in respect of PIOs/NRIs/FNs**

The Academic Council was informed that while going through the eligibility criterion for admission to B.Tech. Program in respect of PIOs/FNs/NRIs, certain discrepancies were noticed. The following corrections were made –

1. In the fifth line of Eligibility : FN deleted from the PIOs/NRIs/FNs
2. In the seventh line "will be included as NRI" will be substituted by "will be eligible".
3. "In case of Foreign Nationals, candidates who have passed qualifying examination from any country including India, shall be eligible for admission" added in the last line after "included".

xiv. **Publication of Ordinance No.5 relating to admission to the courses of study conduct and evaluation of examination for undergraduate program leading to Bachelor of Technology (Evening) degree**

The Academic Council in its 2nd meeting held on 21.12.2010 decided that the Board of Studies for the courses for

B.Tech(Evening) program should be the same as the BoS for the B.Tech. program in the respective departments. The Council authorized Vice Chancellor, Chairman of the Academic Council to approve the said ordinance in consultation with the Dean(Continue Education) and place the same before the Board of Management of the University at its forthcoming meeting on 28.12.2010.

The revised Ordinance No.5 was placed before the Board of Management in its meeting held on 28.12.2010 but not as a specific agenda. As a result no decision could be recorded in the minutes of the meeting of the BOM. As no meeting of the BOM was proposed at that time, the Hon'ble VC in exercise of power vested with him as per Section 13(4) of DTU Act, 2009 approved the Ordinance. It was sent to the DTTE for getting the same published in the Delhi Gazette (Extra Ordinary).

xv. **Syllabus for Research Methodology taught in Ph.D by the Delhi School of Management**

The Academic Council was apprised that as per Ph.D. Ordinance No. 4 of DTU, the Research Methodology Paper under Ph.D is compulsory and was taught by the Delhi School of Management. The syllabus for the same had been framed by the DSM and approved by the Hon'ble Vice Chancellor.

xvi. **Relaxation of 5% attendance to the students for the academic session 2010-11**

The Academic Council was apprised that on the recommendation of the Committee constituted to review the shortage of attendance, as a special case, not to be quoted as a precedent in future, students with 45% attendance were provisionally allowed to appear in the End Semester Examination held from 16th May, 2011. The decision was taken in the light of the large number of professional activities during the semester. The Committee also recommended for amending the Ordinance in so far as minimum attendance is concerned. This matter is taken up as an Agenda item.

Decision : The Council noted and ratified the above actions of the University.

Agenda 3.5 : **Increase in the intake of Civil Engineering and Environmental Engineering**

The Academic Council was informed that the Head, Department of Civil & Environmental Engineering has requested that intake of Civil & Environmental Engineering should be the same as in all the other core branches of Engineering. It has been requested that intake for Civil Engineering may be increased to 120 and for Environmental Engineering it may be 60.

The Academic Council deliberated on the proposal in detail and after ascertaining from the Head of the department who was also present in the meeting that adequate faculty and infrastructure are available to meet the requirement of the increased intake in both the B.Tech. programs, approved the proposal.

Decision : The Academic Council approved the proposal to increase the intake in Civil Engineering from 70 to 120 and in Environmental Engineering from 30 to 60 with the condition that increase in the intake in both the programs will include the increase in seats due to OBC reservation currently in force as well the seats which will increase in future to cover 27% reservation meant for OBC.

Agenda 3.6 : Amendment in the Clause 9(1) of the Ordinance No.1 in respect of B.Tech. programs in respect of minimum attendance

The Academic Council was informed that para 4 of the Clause 9(1) of the Ordinance No.1 relating to B.Tech. program prescribed that under no circumstances, a student who has an aggregate attendance of less than 60% in a semester shall be allowed to appear in the semester end examination whereas the Ordinance of Delhi University prescribes for a minimum of 50% attendance. Considering the fact that currently the students are enrolled both in DTU and DU courses, the stipulation of minimum attendance should be kept at par. The committee constituted to review the shortage of attendance was of the view that the minimum attendance for the students in DTU should also be kept at 50% on the lines of DU Ordinance till DU/BE courses in any semester one running. Accordingly, it is relaxation should be restricted to 5,6,7,8 semester (DU Students) proposed to substitute Para 2 to 4 of Clause 9(1) of the Ordinance No.1 as follows :

Existing Clause	Proposed Clause
Provided that the Dean, authorised by the Vice Chancellor for this purpose, may relax the minimum attendance up to ten percent for reasons to be recorded in writing	Provided that the Dean, authorised by the Vice Chancellor for this purpose, may relax the minimum attendance up to fifteen percent for reasons to be recorded in writing
Provided further that, under exceptional circumstances, the Vice Chancellor may further relax the minimum attendance upto five percent	Provided further that, under exceptional circumstances, the Vice Chancellor may further relax the minimum attendance upto ten percent
Provided furthermore that under no circumstances, a student who has an aggregate attendance of less than sixty percent in a semester shall be allowed to appear in the semester end examination	Provided furthermore that under no circumstances, a student who has an aggregate attendance of less than fifty percent in a semester shall be allowed to appear in the semester end examination

The Chairman requested one of the Learned Member Dr. M. P. Gupta to apprise the policy that the IIT, Delhi is following in the matter of attendance. Dr. Gupta apprised that as per the policy of the attendance IIT, Delhi, a candidate must have minimum of 75% attendance in each course. In case anyone is short of 75% attendance, the candidate is put under watch under a faculty and thereafter they have different procedure to make-up the shortage of attendance. He also laid down the detailed procedure followed by IIT, Delhi.

Decision : The Academic council after discussion approved the proposal of the University to keep the minimum attendance to 50% after granting relaxation of 25% (power to relax 15% available with the

Dean and 10% with the Vice Chancellor) at par with Delhi University for few more years with the condition that policy thereafter will be reviewed taking into consideration the pattern followed in IITs, NITs in the matter of attendance.

Agenda 3.7 : Addition in the Ordinance No.2 in respect of Scheme of Examination for M.Tech. (Part time) programs

The Academic Council was informed that the Controller of Examination has stated that there is no provision for the conduct of M.Tech. (Part time) programs in the Ordinance No.2 related to M.Tech. programs. As per the provision envisaged under Sub Section 2 of Section 32 of the DTU Act, 2009 – "....the Ordinances so made may be amended, repealed or added to, at any time by the Board of Management ....". Accordingly, it is proposed that existing sub clause (c) of Clause 17 may be put under caption (i) M.Tech. (Full Time) and a new sub clause (ii) may be added as M.Tech.(Part Time) containing provision relating to Scheme of Examination and Credits.

The Chairman requested the Controller of Examination to explain the proposal to the learned members of the Council. The Controller of Examination explained that all the departments should follow same sequence of teaching and examination for M.Tech (P/T) programs. The classes for M.Tech (Part Time) students should be conducted alongwith the M.Tech (Full Time) students so that teaching and examination for M.Tech (Part Time) and M.Tech (Full time) courses could be combined. Accordingly, the scheme of teaching and examinations as per the table given below is proposed.

M.Tech (Part Time) Program, Courses of Teaching					
Ist semester	IInd semester	IIIrd semester	IVth semester	Vth semester	VIth semester
Group A or Group B	Group C or Group D	Group B or Group A	Group D or Group C	Group E	Group F

Decision : Academic Council approved the proposal for Inclusion of Scheme for M.Tech (Part Time) as sub clause (c) of Clause 17 under caption (i) M.Tech (Full time) and a new sub clause (ii) is added as M.Tech (Part Time) containing provision relating to scheme of Examinations, as detailed in table given below.

M.Tech (Part Time) Program, Courses of Teaching					
Ist semester	IInd semester	IIIrd semester	IVth semester	Vth semester	VIth semester
Group A or Group B	Group C or Group D	Group B or Group A	Group D or Group C	Group E	Group F

For alternate batch of M.Tech (Part Time) program the group of subjects (A – F) shall be offered in the following order A – C – B – D – E – F and B – D – A– C – E– F.

Agenda 3.8 : Listing of IB Diploma in the list of recognized qualification in DTU

The Academic Council was informed that the University Liaison Officer, South Asia (International Baccalaureate Asia Pacific) has requested the University to list the IB Diploma as recognized qualification for admission in Delhi Technological University. The International Baccalaureate is offering IB Diploma in 2174 schools in 138 countries including 67 schools in India. They have stated that IB had been recognized by the Association of Indian Universities as an entry qualification (equivalent to +2 qualification of an Indian Board) to all universities in India. They have requested for inclusion of IB Diploma as an eligibility qualification for admission to Delhi Technological University.

The members of the Academic Council deliberated on the issue and were of the view that University has been making admission on the basis of rank/merit of AIEEE conducted by CBSE, therefore, unless CBSE includes IB Diploma as eligibility criteria treating it equivalent to + 2 qualification, acceptance of the same at the level of University would not make these candidates eligible for admission.

Decision : The Academic Council approved the proposal to include the IB Diploma as eligibility criteria for admission to B.Tech. program of the University provided that the CBSE accept and approve the same for appearing in the AIEEE conducted by them.

Agenda 3.9 : Starting of M.Tech weekend program for employees of Samsung India Pvt. Ltd.

The Academic Council was informed that the Department of Computer Engineering has entered into a MoU with M/s. Samsung India Pvt. Ltd. The MoU includes starting of customized PG program in M.Tech (Software Technology), a weekend program for the employees of M/s. Samsung India Pvt. Ltd. The scheme and syllabus of M.Tech (Software Technology) program prepared in consultation with company was placed for perusal of the members of the Council. It was further informed that the eligibility criteria for the program would be as under –

The candidate should have passed B.E/B.Tech degree from a recognized University in Computer Engineering/Software Engineering/IT/EC/Electrical or M.Sc. in Computer Science (with Physics and Maths at the B.Sc. level Or M.C.A (with Physics and Mathematics at B.Sc. level) with a minimum of 60% marks in aggregate of a recognized University or any other examination recognized by the University equivalent thereto.

The Members of the Academic Council went through the proposal submitted by the Department of Computer Engineering and was of the view that proposal does not include the intake, semester fee and corpus etc. if any, offered by the M/s. Samsung India in lieu of the facility being created by the university. In the absence of the HOD, Computer Engineering, the Chairman after discussion with the faculty of the Computer Engineering Department informed the Council that the intake of the program will be 20. He further requested the members to suggest the fee to be charged from the candidates joining this program from M/s. Samsung Electronics. The members were of the view that at least Rs.50,000/- per semester should be the fee for the candidates nominated by M/s. Samsung Electronics for the proposed course.

Decision : The Academic Council approved the proposal to introduce M.Tech. (Software Technology) a Weekend program for the employees of M/s. Samsung India Electronics with intake 20. It further approved fee for these candidates as Rs.50,000/- per semester.

Agenda 3.10 : Course Curriculum and Scheme of Examination for 1st 2nd 3rd and 4th year in respect of all the 15 B.Tech., 17 M.Tech. and MBA Programs offered by the University

(i) B.Tech. Programs

The Academic Council was informed that from the academic session 2010-11, University admitted students for all the 14 programs including 10 courses offered under erstwhile DCE. A new B.Tech. program with intake 60 has been introduced from this year 2011-12 making the total 15 B.Tech. programs offered by the University. The course curriculum and syllabus of 1st, 2nd, 3rd and 4th years of all the 15 B.Tech. Programs have been deliberated in detail in the meetings of the Standing Review Committee of the University during the months of May, June and July. The final recommendation of the Standing Review Committee was tabled in the meeting.

(ii) M.Tech. and MBA Programs

The Academic Council was informed that from the academic session 2009-10, University admitted students for all the 17 M.Tech. programs including 10 courses offered under erstwhile DCE and MBA Program. The Course Curriculum and Scheme of Examination in respect of all the M.Tech. and MBA Programs were deliberated in detail in the meetings of the Standing Review Committee of the University. The final recommendation of the Standing Review Committee was tabled in the meeting.

Decision : The Academic Council after deliberation approved the Course Curriculum and Scheme of Examination in respect of all the 15 B.Tech. programs offered by the University. The Course Curriculum and Scheme of examination in respect of 17 M.Tech. and MBA programs were also approved with the condition that all the M.Tech. program should have 80 credits and 4000 marks in conformity with Ordinance No.2 relating to M.Tech. programs.

Agenda 3.11 : Bifurcation of Department of Civil and Environmental Engineering

The Academic Council was informed that a new program in B.E Environmental Engineering was introduced in the year 1998 with intake 20 under Civil Engineering during erstwhile DCE. The B.E. program in Environmental Engineering was, however, given the status of a department when the program was offered under Delhi University. But for want of creation of post of faculty & staff in Environmental Engineering by the Govt. of Delhi, it continued to be offered under the aegis of Department of Civil Engineering for the last more than a decade. With the conversion of erstwhile DCE into DTU and recruitment of the new faculty in the area, it has been proposed by Dr. S.K. Singh, Professor in Environmental Engineering and Dean (IC) that a separate department for Environmental Engineering now be created as it has also proposed to increase intake from 30 to 60 from the current Academic Session-2011-12, as per the AICTE guideline that minimum intake in programme should be 60. The proposal for creation of a separate department of Environmental

Engineering has also been assented by the Head, Deptt. of Civil and Environmental Engineering.

The Chairman while requesting the members to offer their views on the subject matter mentioned that hazardous waste disposal is the major concern, besides pollutions like air, noise, obnoxious gases being produced by the Polymer Industries, etc. required to be addressed by the Environmental Engineers. He further said that Environment Engineering be considered as inter-disciplinary subject. He is of the view that proposal for creation of separate department of Environmental Engineering is justified to address the issues. The Chairman further mentioned that there are 5 Assistant Professors newly recruited for the Environmental Engineering, besides, 4 faculty members from the Civil Engineering having expertise in the area of Environmental Engineering and Prof. S. K. Singh who himself is an Environmental Engineer. Thus, the Environmental Engineering has currently 9 faculty and 4 contractual technical staff to take care of the activities of the proposed department. The members of the council were of the view that if the department has adequate infrastructure and faculty, they agree with the proposal for creation of a separate department for Environmental Engineering.

Decision : The Academic Council approved the proposal for bifurcation of the Department of Environmental Engineering from civil engineering as department will have to cater to the concern of wider scope of environment like polymer, chemical industry, noise, air pollution and obnoxious gases coming out of the industry.

Supplementary Agenda 1 : Clarification in Classification of Results for M.Tech. and MBA programs

The Academic Council was informed that as per DTU ordinance 2 relating to Admission to courses of Study, Conduct and Evaluation of Exam for Post-Graduate programs leading to Master of Technology (M.Tech.) Degree (page 18) and Master of Business Administration (MBA) Degree (page 12), there is an overlapping of range of percentage of marks and corresponding letter grades . Further there is no mention of overall GPA/CGPA on the basis of which the final degree shall be awarded. The existing clause of the ordinances is as under :

The subject wise grading and classification of result for all the M.Tech and MBA programs for the University shall follow the system as given below:

(a)   *Subject wise grading system*

Each student shall be awarded a final letter grade at the end of the semester in each subject based on the total marks obtained in mid-semester examination/sessional and end semester examination.

Grade	Marks Scored
A+	above 90%
A	90% - 80 %
B+	80% - 70%
B	70% - 60 %
C+	60% - 50%

C	50% - 40%
F(fail)	< 40%

A candidate scoring less than 40% marks in a particular subject on the combined consideration of the mid-semester examination/sessionals and end semester examination shall be declared fail in that subject. He shall appear in that subject as and when the examinations for the said subject/subjects are conducted as per the semester system scheme of examination applicable to the M.Tech. program to which the candidate has been admitted.

It was proposed to add the following clause detailing the method of calculating the GPA/CGPA for the award of final degree.

(i) The Semester Grade Point Average (SGPA) shall be calculated on the basis of the credits and grades awarded for the subjects passed by the student in the semester as given below:

$$SGPA = \frac{\sum_i (C_i \times GP)}{\sum_i C_i}$$

where C_i credit for the course, GP – the grade point obtained for the course and $\sum_i C_i$ the sum of credits in overall course taken in that semester.

(ii) Subject Wise Grading System for M.Tech./MBA programs
Each student shall be awarded a final letter grade at the end of the semester in each subject based on the total marks obtained in mid –semester examination/sessional and end semester examination.

Grades	Marks Scored	Grade Points
A^+	90% and above	10
A	<90% - 80%	9
B^+	<80% - 70-%	8
B	<70% - 60-%	7
C^+	<60% - 50-%	6
C	<50% - 40%	5
F(Fail)	<40%	2

(iii) Cumulative Grade Point Average (CGPA) for the program :- A candidate who has earned ≥ 40% marks in aggregate and has passed all the courses in all the semesters will be declared to have passed the program and shall be eligible for the award of the degree of Master of Technology/ Master of Business Administration. Further, the successful candidate shall be awarded Grades for the award of the Degree of Master of Technology/ Master of Business Administration with the cummulative grade point average as given below :

$$CGPA = \frac{\sum_i (C_i \times GP)}{\sum_i C_i}$$

where C_i credit for the course, GP – the grade point obtained for the course and $\sum_i C_i$ the sum of credits in overall courses taken in the program.

Decision : The Academic Council approved the proposal.

The academic council was informed that:

In view of the difficulties being noticed during declaration of results, it is proposed to adopt following abbreviations for M.Tech and B.Tech programs in DTU for the purpose of assigning Roll No. to the students.

M.TECH. PROGRAMS ABBREVIATION LIST

S.No.	Name of the Department	Course	Branch Code
1.	Applied Physics	Nano Science & Technology	NST
2.	Civil Engg.	Structural Engineering	STE
3.		Environmental Engineering	ENE
4.		Hydraulic & Flood Engg.	HFE
5.		Geotechnical Engineering	GTE
6.	Electrical Engg.	Control & Instrumentation	C&I
7.		Power System	PSY.
8.	Electronics & Communication Engg.	Signal Processing & Digital Design	SPD
9.		Microwave & Optical Communication	MOC
10.		VLSI Design & Embedded System	VLS
11.	Mechanical Engg.	Thermal Engineering	THE
12.		Production Engineering	PIE
13.	Computer Engg.	Computer Science & Engg.	CSE
14.		Software Engineering	SWE
15.	Information Technology	Information Systems	ISY
16.	Applied Chemistry	Polymer Technology	PTE
17.	Bio Technology	Bioinformatics	BIO

Each student in M.Tech program shall be assigned an unique Roll No. in his/her Ist semester of study as per the following format.

2KYY/PQR/AB

YY - Two digit year code (11-99)
PQR - Three digits alphabetic program code as per above list
AB - Two digit distinct numeric code for each student

B.TECH. PROGRAMS ABBREVIATION LIST

The 15 B.Tech. programs in DTU may be abbreviated as

S.No.	Course	Branch Codes
1.	Electronics & Communication Engineering	EC
2.	Computer Engineering	CO
3.	Electrical Engineering	EE
4.	Mechanical Engineering	ME

5.	Civil Engineering	CE
6.	Production & & Industrial Engineering	PE
7.	Environmental Engineering	EN
8.	Polymer Science & Chemical Engineering	PS
9.	Information Technology	IT
10.	Bio Technology	BT
11.	Software Engineering	SE
12.	Electrical & Electronics Engineering	EL
13.	Automobile Engineering	AE
14.	Engineering Physics	EP
15.	Mathematics & Computing	MC

IIIrd semester onwards each B.Tech. student shall be assigned branch wise roll No. in the following format.

<div align="center">2KYY/PQ/ABC</div>

YY - Two digit year code (11-99)
PQ Two digits alphanumeric branch code as per above list
ABC Three digit distinct numeric code for each student

Further, it is proposed that the subject code in the course curriculum of all 15 B.Tech programs shall be also assigned according to the above proposed B.Tech. Programs code list.

Decision : The Academic Council approved the proposal.

Supplementary Agenda -3 Guidelines for providing Writer for Disabled student in the Examinations.

The Academic Council was apprised of the guidelines for providing writer to disabled students in the examination.

1. The desirous student may make written request to provide a Writer through concerned HOD to the Controller of Examinations indicating his/her particulars and details of Various papers/Exams in which he/she wishes to appear.
2. The Examination Branch will process the request and with the approval of the COE communicate to the student through HOD and to the centre Superintendent, the decision in this regard.
3. The centre Superintendent will provide the Scribe/Writer to such student with the approval of COE. The Scribe/Writer must be at least one grade lower /less qualified than the examinee to whom a writer is provided.
4. One hour extra time over and above the prescribed time for a paper of 03(three) hours duration will be given. In case, where the duration of the examination is less than 03 hours the extra time allowed will be $1/3^{rd}$ of the total duration of the examination.
5. No extra fee will be charged from the disabled student.
6. The centre superintendent will make extra arrangements at examination centre by providing Scribe/Writer, one extra/separate invigilator in a separate room.
7. The centre Superintendent will ensure that before the Scribe/Writer is actually assigned to the candidate, he/she is given opportunity to satisfy himself/herself with the Scribe/Writer with regard to his/her picking up of the diction, etc. An undertaking

may also be taken from the student that he/she is fully satisfied with the Scribe/Writer provided by the centre Superintendent. In that undertaking the full details of Scribe/Writer shall also be mentioned.

8. The centre Superintendent will make the payment to the Scribe/Writer @Rs200/-(Per subject) out of the advance of remuneration received from the University for conduct of Examinations.

Decision: The Academic Council approved the proposal.

Supplementary Agenda - 4   Introduction of a course on Basic Electronics & Communication Systems in first year B. Tech courses in place of Engineering Materials and introducing branch specific Engineering Materials course in subsequent semester.

The academic council was informed that:

At present the course AP/AC-114 (Engineering Materials) is being offered to all the students of Ist semester. Half of the students nearly 600 are offered this course in even semester and the rest in the odd semester. The course is being subdivided into two sections, one section is offered by the Applied Physics department and the other section is offered by the Applied Chemistry department. The question paper for this subject is also set separately by applied physics and applied chemistry departments. The logistics of teaching, conducting and evaluating the students in this subject is becoming difficult to manage because of the following reasons.

The award is submitted in the following parts for every section.

1. 5 Marks for internal evaluation by the respective class teachers.
2. 10 Marks for the mid semester examination by the individual examiners (At least 6-10 examiners are involved).
3. 35 Marks for the end semester examination by the individual examiner (At least 6-10 examiners are involved).

In this context,   it may be noted that a course on Engineering Materials may not be useful for many disciplines viz SE, BT, MC, CE, COE & IT.   Similarly the Engineering Materials relevant for Civil Engineering and Environmental Engineering are different from those used for Mechanical Engineering & Automotive Engineering.
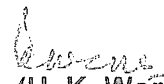
It is therefore proposed to replace the course of Materials Science (AP/AC-114) by a common course on Basic Electronics and Communication Systems (which is missing from the entire curriculum) which will be more useful. The Material Science course in turn may be offered by the relevant departments in subsequent semester.   This will also ease the pressure on Physics and Chemistry Department.   The lab for Basic Electronics will be conducted in place of Information Technology lab.

The matter was discussed in detail by the members of the Academic Council but due to lack of consensus on the issue members were of the view that it should be placed before the Standing Review committee of the University.

Decision : The Academic Council decided that the matter be placed before the Standing Review Committee of the University.

The meeting ended with a vote of thanks to Chair.

The minutes are issued with the approval of the Chairman for circulation to Hon'ble Members.

(U. K. Worah)
Registrar

1. PS to Vice Chancellor for the kind information of Hon'ble Vice Chancellor, DTU
2. PA to Pro Vice Chancellor for the kind information of the Pro Vice Chancellor, DTU
3. Dr. Gopal Ranjan, Former Pro-VC, University of Roorkee, 7th KM Roorkee Haridwar Road(NH-58), Roorkee, 247667
4. Prof. S.C. Dutta Roy, Deptt. of EE, IITD
5. Prof. M.P. Gupta, Delhi School of Management, IITD
6. Prof. Surendra Prasad, Director, IITD, (nominee of UGC)
7. Prof. J.P. Subrahmanyam, HOD (Mech.), IITD, (nominee of AICTE)
8. Ms. Shobha Mishra, Director & Head, FICCI, (nominee of industry association), Federation House, Tansen Marg, New Delhi
9. Prof. B.D. Pathak, Dean (Academic) & HOD (Mechanical), DTU
10. Prof. H.C. Taneja, Dean (SW) & HOD (Applied Mathematics), DTU
11. Prof. S. Maji, Dean (IRD) & HOD (Bio-Tech), DTU
12. Prof. S.K. Singh, Dean (IC)
13. Pro. N. K. Jain, Dean (CE), DTU
14. Prof. Asok Bhattacharyya, Professor, E&C, DTU
15. Prof. Asok De, Professor & Principal, AIT, Geeta Colony
16. Prof. G.L. Verma, (Chemistry & Polymer), DTU
17. Prof. R.K. Sinha, HOD (A. Physics), DTU
18. Prof. S.K. Garg, Head, DSM & HOD (T&P), DTU
19. Prof. A. K. Gupta, HOD (Civil), DTU
20. Prof. Narendra Kumar, HOD (EE), DTU
21. Prof. Rajeev Kapoor, HOD (E&C), DTU
22. Prof. O.P. Verma, HOD (IT), DTU
23. Prof. Daya Gupta, HOD (COE), DTU
24. Dr. Seema Singh, HOD (Humanities), DTU
25. Prof. Madhusudan Singh, Controller of Examination
26. Prof. Mukti Acharya, Professor, DTU
27. Sh. P.R. Chadha, , Associate Professor, DTU
28. Dr. Narendra Kumar, Associate Professor, DTU