DELHI TECHNOLOGICAL UNIVERSITY

MINUTES

of
36th Meeting

ACADEMIC COUNCIL

Date   : 14.07.2023

Time   : 11:30 A.M.

Venue : In online mode

Shahbad Daulatpur, Bawana Road, Delhi-110042

INDEX

No. F.DTU/Council/AC-Meeting/53/2023 /1439   Date : 11/8/023

Minutes of the 36ᵗʰ meeting of the Academic Council held in online mode on 14.07.2023 at 11:30 A.M.

The following members were present:

1. Prof. J.P. Saini, Vice Chancellor, Delhi Technological University and Chairperson, Academic Council.
2. Prof. D.P. Goyal, Director, Indian Institute of Management, Shillong, Meghalaya
3. Prof. Neharika Vohra, IIM Ahmedabad & Former Vice Chancellor, Delhi Skill & Entrepreneurship University, Dwarka, Delhi
4. Prof. Bhim Singh, Electrical Engineering Department, Indian Institute of Technology, Delhi
5. Prof. B.R. Chahar, Professor, Civil Engineering, Indian Institute of Technology, Delhi
6. Sh. Rajesh Mathur, Advisor, Environmental Systems Research Institute (FICCI nominee).
7. Prof. Rinku Sharma, Dean Academic (PG)
8. Prof. Rajeshwari Pandey, Dean Academic (UG)
9. Prof. Pravir Kumar, Dean, International Affairs & Head, Biotech.
10. Prof. S. Indu, Dean, Student Welfare
11. Prof. Nirendra Dev, Dean, Planning & Consultancy
12. Prof. A.K. Srivastava, Dean, Outreach & Extension Activities
13. Prof. Rajiv Chaudhary, Dean, Student Discipline
14. Prof. Rajesh Rohilla, Dean, Alumni Affairs & Head (T&P)
15. Prof. Rachna Garg, Head, Electrical Engineering Department
16. Prof. V.K. Minocha, Head, Civil Engineering Department
17. Prof. S. K. Garg, Head, Mechanical Engineering Department
18. Prof. Ruchika Malhotra, Head, Software Engineering Department
19. Prof. Dinesh Vishwakarma, Head, Deptt. of Information Technology
20. Prof. Vinod Kumar, Head, Computer Science & Engineering Deptt.
21. Prof. O.P. Verma, Head, Electronics & Communication Department
22. Prof. Ranganath M. S., Head, Department of Design
23. Prof. Anil Kumar, Head, Applied Chemistry Department
24. Prof. Nand Kumar, Head, Department of Humanities
25. Prof. S. Sivaprasad Kumar, Head, Applied Mathematics Department
26. Prof. A. S. Rao, Head, Applied Physics Department
27. Dr. Archana Singh, Head, Delhi School of Management

28. Prof. Nidhi Maheshwari, Nominee of Head, University School of Management and Entrepreneurship (USME)
29. Ms. Divya Narayan, Head, Computer Centre
30. Sh. Kamal Pathak, Controller of Examinations
31. Prof. Reeta Wattal, Professor, Mechanical Engineering Department
32. Dr. M. Jayasimhadri, Assistant Professor, Applied Physics
33. Prof. Madhusudan Singh, Registrar and Member Secretary, Academic Council, DTU.

Following faculty also joined the meeting:

1. Prof. Neeta Pandey, Director, IQAC
2. Prof. Raju Sarkar, Associate Dean (Academic- PG)
3. Prof. Priya Mahajan, Associate Dean (Academic- UG)
4. Prof. R.C. Singh, Chairperson, Sports Council, DTU

Agenda 36.1 : Opening Remarks by the Chairperson.

The Chairperson welcomed all the members to the 36th meeting of the Academic Council of Delhi Technological University. The University is in the service of humanity since 1941.

A) **Ranking:** DTU has been rated in top ten best institutions of our country by most of the surveys conducted by independent agencies, also placed in the bracket of 601-800 amongst the universities of the world by Times Higher Education World University Ranking and are placed in bracket of 551-600 in QS Asia Ranking. Further, the University has taken a leap forward by obtaining 29th Rank in Engineering Category as compared to 35th in the year 2022 and the 40th best University in India according to the NIRF rankings.

B) **Placement and Internship:** In the academic session 2022-23, total of 330 companies have made 2083 job offers to students from various streams of UG & PG programs in diverse fields of Engineering and Technology.

- **Highest Package is Rs. 82.05 LPA offered by Atlassian.**
- **Average Package is Rs. 16.71 LPA.**
- **Median Package is Rs. 13.4 LPA.**

The top recruiters include Google, Microsoft, Sprinklr, Apple, Intel, Samsung, Landmark Group, Atlassian, Adobe, Qualcomm, Texas Instruments, STMicroelectronics, Maruti, Airtel, Tata Motors, GAIL, EIL, Goldman Sachs, Morgan Stanley, BAIN, Mckinsey, KPMG, Deloitte, PwC and many more similar organizations.

Also 115 companies have offered internship to more than 375 students with average stipend of Rs. 82000 per month and highest stipend of Rs. 2 Lacs per month offered by Sprinklr.

Placements for session 2023-24 will be starting in first week of August. Companies like Google, Microsoft, Sprinklr, Atlassian and many similar organizations have confirmed their participation.

C) Innovation and Entrepreneurship Development:

1. Students Start-up

Startups Currently Incubated/Pre-incubated : 56
Startups Incorporated : 35

2. Achievements:

- DTU-IIF awarded seed fund grant of 4 Crore from DPIIT under Start-up India Seed fund scheme (SISFS).
- DTU-IIF received an approval of 5 Crore grant from DST for iTBI project under NIDHI scheme from Govt. of India.
- DTU-IIF startups raised 4 Crore from external investors.
- 15 startups are in revenue stage and have earned a revenue of 20 Crore in FY2022-23.
- 2 teams of DTU won 1.5 Crore in iDEX (Defence India Startup Challenge) in 2022.
- 3 teams of DTU won 6 lakhs each in NASSCOM Foundation Ciena Spaces Cohot-2.
- Mr. Jatin of JXR Technology Pvt Ltd. Selected for Fully Funded Fellowship by International Sustainability Academy, Germany. Currently he is in Germany.
- Shubham Prajapati MBA (IEV) student start-up (Innovative Scripts Pvt. Ltd.) selected by the Ministry of Education's Innovation Cell & AICTE, for grant support of 10 lakhs.
- DTU-IIF start-up Cattle Guru won prize of 2lakhs at IIT Khraragpur in Global Business model competition.
- Incubate Sankalp Suman founder (Offset Go company) received the title of National Youth Icon at the parliament of India on account of coming first in the National Youth Environmental Parliament on 16.04.22. With over 200 Universities participating it was an honour to win this laurel for the University.

Agenda 36.2 : Confirmation of the minutes of the 35th meeting of Academic Council held on 15.05.2023.

The minutes of the 35th meeting of Academic Council held on 15.05.2023 were circulated among all the members vide no. F.DTU/ Council/ AC/ Meeting/ 51/ 2023/744 dated 12.06.2023. A copy of the minutes of 35th meeting was placed in agenda annexure.

No comments were received from any of the members.

Decision : The Academic Council confirmed the minutes of its 35th meeting held on 15.05.2023.

Agenda 36.3 : Action taken report on the decisions taken in the 35th meeting of the Academic Council.

Action Taken Report on the decisions taken in the 35th meeting of the Academic Council held on 15.05.2023 was as below:

S. No.	Agenda Item	Decision	Action Taken by Council Branch	Compliance Report
35.1	Opening Remarks by the Chairperson.	Points mentioned are taken on record.	Noted.	Matter of record.
35.2	Confirmation of the minutes of the 34th meeting of Academic Council held on 14.12.2022.	The Academic Council confirmed the minutes of 34th meeting of the Academic Council.	Noted.	Matter of record.
35.3	Action taken report on the decisions taken in the 34th meeting of the Academic Council.	The Academic Council took the Action Taken Report on its 34th meeting on record.	Noted.	Matter of record.
35.4	To review the fee structure and changes in eligibility criteria for Post Graduate (M.Tech) admissions for the academic year 2023-24.	The Academic Council considered and approved the provisions for admissions of Non-Gate score candidates against vacant seats through written test at University level and also providing stipend/financial assistance of Rs. 7500/- to the candidates who are admitted without GATE score on the basis of recommendation of committee constituted by the University. The committee shall examine the performance of student seeking the financial assistance and also requirement of teaching assistance in the department. The Council also approved the changes in eligibility criteria for admissions in Postgraduate (M.Tech) programs for the academic year 2023-24.	Decision conveyed to Dean Academic (PG) vide letter no. 409 dated 28.06.2023.	The necessary provisions have been incorporated in the M.Tech Admission Prospectus 2023-24.
35.5	Approval for course work credit transfer in Ph.D program at DTU.	The Academic Council considered the agenda but deferred for further deliberations on transfer of credit of course work completed by the Ph.D.	Decision conveyed to Dean Academic (PG) vide letter no. 409 dated 28.06.2023.	No action required as the matter was deferred by the Academic Council.

		students in other University/ Institution.		
35.6	Approval for introducing MOOC courses in Ph.D program course work.	The Academic Council considered and approved for allowing MOOC courses in Ph.D program against course work.	Decision conveyed to Dean Academic (PG) vide letter no. 409 dated 28.06.2023.	Notification no. DTU/Acad-PG-PHD Notice-Circular/2019/2022/7775-82 dated 03.07.2023 has been issued to this effect.
35.7	To consider the recommendation of committee on the Revision of B. Tech Curriculum to align its credit framework with NHEQF and introduce the provision of multiple-entry and multiple-exit in accordance with NEP 2020.	The Academic Council considered and suggested changes in the 1st year scheme and authorized the Vice Chancellor to consider the revised scheme along with re-look on the requirement of credits for award of minor area of study. The revised B.Tech curriculum in line with the NEP 2020 and NHEQF shall be applicable w.e.f. academic year 2023-24. The Council also suggested that academic departments shall prepare syllabi as per revised schemes through organizing BoS meetings and course curriculum development workshop with external members.	Decision conveyed to Dean Academic (UG) vide letter no. 409 dated 28.06.2023.	Notified vide this office letter no. F. No. 105(922)DTU/ Acad-UGACA/ 2021-22/13406-11 dated 16.06.2023.
35.8	Provision of earning maximum of 16 credits through MOOC platforms.	The Academic Council considered and approved the provision of earning maximum of 16 credits through MOOC platforms out of which 4 credits against FEC/SKC/AEC courses and remaining 12 credits for DCE/GEC courses.	Decision conveyed to Dean Academic (UG) vide letter no. 409 dated 28.06.2023.	Will be implemented from academic year 2023-24
35.9	Approval for Establishment of "Vinod Dham Centre of Excellence for Semiconductors and Microelectronics" in DTU.	The Academic Council considered and approved for Establishment of "Vinod Dham Centre of Excellence for Semiconductors and Microelectronics" as an independent centre with all academic and administrative control. Vinod Dham Centre of Excellence will not be a part of any other department.	Decision conveyed to HOD (Applied Physics) vide letter no. 409 dated 28.06.2023.	Process for establishment of Vinod Dham Centre of Excellence for Semiconductors and Microelectronics is started in new academic block.

35.10	Approval for introduction of a Minor in Semiconductors and Microelectronics for B.Tech students under the "Vinod Dham Centre of Excellence for Semiconductors and Microelectronics".	The Academic Council considered and approved for introduction of a Minor in Semiconductors and Microelectronics for B.Tech students under the "Vinod Dham Centre of Excellence for Semiconductors and Microelectronics". The Council further advised that the proposal may be sent to different departments for their feedback on the courses offered and also segregate the mandatory courses and elective courses for the minor.	Decision conveyed to HOD (Applied Physics) vide letter no. 409 dated 28.06.2023.	Courses for Minor in Semiconductors and Microelectronics are finalized and offered to B.Tech students from upcoming session commencing from August 2023.
35.11	Approval for Four Year BBA Honours/BBA Honours with Research program.	The Academic Council considered and approved the Four Year BBA (Honours)/ BBA (Honours) with Research program with minor modifications in total credits requirement for award of BBA (Honours)/ BBA (Honours) with Research in line with NHEQF. The Council authorized the Vice Chancellor to approve the revised scheme suggested by the committee.	Decision conveyed to Head, USME vide letter no. 409 dated 28.06.2023.	As per the advice of AC, revised program structure and curriculum design were submitted to the Vice Chancellor for approval and the same has been approved. Further an action has been taken for preparing syllabi etc.
35.12	Approval for Four Year BA Honours/BBA Honours with Research in Economics program.	The Academic Council considered and approved the Four Year BA Honours in Economics program with minor modifications in total credits requirement for award of BA Honours/ BBA Honours with Research in Economics in line with NHEQF. The Council authorized the Vice Chancellor to approve the revised scheme suggested by the committee.	Decision conveyed to Head, USME vide letter no. 409 dated 28.06.2023.	As per the advice of AC, revised program structure and curriculum design were submitted to the Vice Chancellor for approval and the same has been approved. Further an action has been taken for preparing syllabi etc.
35.13	Approval for Four Year ITEP – Integrated Program in Teacher Education in the B.Com./B.Ed stream for the Secondary Education level program.	The Academic Council considered and deferred the proposal to introduce Four Year B.Com/ B.Ed program. The Council constituted a committee of following to	Decision conveyed to Head, USME vide letter no. 409 dated 28.06.2023.	The committee has been formed on the advice of Academic Council. The

		review the proposal and re-submit to the Academic Council: 1. Prof. Amit Mookerjee 2. Prof. Rajeshwari Pandey 3. Prof. Pragati Kumar 4. Prof. Rajan Yadav		committee has started this work.
35.14	Approval of Syllabi for courses offered in the III and IV Semester, M.A. Economics.	The Academic Council considered and approved the Syllabi for courses offered in the III and IV Semester, M.A. Economics.	Decision conveyed to Head, USME vide letter no. 409 dated 28.06.2023.	The approved syllabus has been implemented in the curriculum of MA (Economics).
35.15	Approval of seat matrices for the programs offered in East Delhi Campus.	The Academic Council considered and deferred the agenda for approval of seat matrices for the programs offered in East Delhi Campus. The Council, authorized Vice Chancellor to approve the seat matrices as Chairperson, Academic Council.	Decision conveyed to Head, USME vide letter no. 409 dated 28.06.2023.	The Chairperson, Academic Council approved the seat matrix and it is implemented.
35.16	Approval of seat matrices of various undergraduate programs.	The Academic Council considered and suggested to defer the agenda. The Council, authorized Vice Chancellor to approve the seat matrices as Chairperson, Academic Council.	Decision conveyed to Dean Academic (UG) vide letter no. 409 dated 28.06.2023.	Implemented.
35.17	Approval of revised seat matrix and approval of minor changes in eligibility criteria of MBA (Executive) admission.	The Academic Council considered and approved the revised seat matrix and minor changes in eligibility criteria of MBA (Executive) admission as above.	Decision conveyed to HOD (DSM) vide letter no. 409 dated 28.06.2023.	The approved seat matrix and eligibility criteria of MBA (Executive) admission have been implemented.
35.18	Approval of course objective for FEC courses (FEC-6, FEC-18, FEC-12, FEC-47, FEC-51) being offered to B. Tech. students.	The Academic Council considered and approved the course objective for FEC courses (FEC-6, FEC-18, FEC-12, FEC-47, FEC-51) being offered to B. Tech. students as modified above.	Decision conveyed to HOD (DSM) vide letter no. 409 dated 28.06.2023.	Course objective for FEC courses being offered to B. Tech. students has been implemented.
35.19	Matter for ratification. i. Admission Brochure for International Students for AY 2023-24.	The Academic Council ratified the ten actions of the University.	Noted	Matter of record.

	ii. Changes made in Eligibility criteria for UG & PG programs for International students. iii. Admission Brochure for 05 Post-Graduate and Ph.D programs for the academic year 2023-24. iv. Annual Quality Assurance Report, 2021-22. v. Name change of M.Tech programme in Department of Information Technology - M.Tech (Information Systems) to M.Tech (Information Technology). vi. Closure of 01 MBA (FBE) course for the Academic year 2023-24. vii. Minor Change in Criteria for Part Time Ph.D. Admissions for the Academic Year 2023-24. viii. Minor Change in Criteria for Full Time Sponsored M. Tech. Admissions for Academic Year 2023-24. ix. Minor Changes in Criteria for Industry/Working Professionals in Ph.D. Programme for the Academic Year 2023-24. x. Ratification towards proposal of registration in 3rd Semester in M.Tech Program in r/o Mr. Shashank Khare (2K18/ENE/09).			
35.20	Matter for information. i. Admissions made in Ph.D. program for the winter session January 2023. ii. Formal registration to Ph.D. students upon successful completion of course work and comprehensive examinations and approval of research Plan by respective DRCs. iii. Cancellation/Withdrawal of admission from Ph.D program.	Academic Council noted the information.	Noted	Matter of record.
35.21	Any other item with the permission of the Chair.	No other item.	Noted.	Matter of record.

S.A. 35.22	Proposed changes in the admission criteria for admission in Ph.D (Geoinformatics) under department of Civil Engineering.	The Academic Council discussed that Multidisciplinary Centre for Geoinformatics is currently under the Department of Civil Engineering. Students from other departments joining the Centre are awarded degree of the Department of Civil Engineering. It often causes hardships to the students while seeking employment. The Academic Council, therefore, approved for making the Centre independent with immediate effect.	Decision conveyed to Dean Academic (PG) vide letter no. 409 dated 28.06.2023.	Various activities to make the Multidisciplinary Centre for Geoinformatics an independent are being initiated one by one. A DRC Committee has been approved by the competent authority. Admission notification is issued and Ph.D admissions are being made to the Multidisciplinary Centre for Geoinformatics directly.
S.A. 35.23	Proposed changes in the admission criteria for admission in M.Tech (Geoinformatics) under Department of Civil Engineering.	The Academic Council considered and approved the proposed changes in the eligibility criteria for admission in M.Tech (Geoinformatics) and its implementation under an independent Multidisciplinary Centre for Geoinformatics.	Decision conveyed to Dean Academic (PG) vide letter no. 409 dated 28.06.2023.	Necessary changes have been incorporated in M.Tech Admission Prospectus 2023-24.

Decision : The Academic Council took the Action Taken Report on its 35th meeting on record.

Agenda 36.4 : **To consider the request of Mr. Aseem Dubey (Ex Ph.D student Roll No. 2k20/PHDME/504) for re-admission in Ph.D Programme, DTU.**

It was submitted to the Academic Council that Sh. Aseem Dubey, vide letter dated 16.06.2023, had submitted that he was registered a full time Ph.D Scholar in the department of Mechanical Engineering vide roll No. 2k20/PHDME/504. He got admission in January 2021 and continued for six months.

He further submitted that in August, 2021 he got admission for Ph.D in IIT Delhi and seeing the better prospects, he has withdrawn his name from Ph.D Programme, DTU. He further submits that due to unavoidable reasons he left IIT Delhi and joined Bhagwan Parshuram Institute of Technology as Assistant Professor. He stated that now he desires to continue his Ph.D from DTU.

He further stated that as per clause 3.16 of the DTU Notification dated 23.09.2022, if a student/candidate withdraws from his Ph.D program or his resignation is terminate, his student/candidate status shall cease. If such a candidate is re-admitted, he may be given weightage to the credits acquired during the previous registration on the recommendation of the DRC except in the case of termination on disciplinary grounds.

The DRC, vide minutes of meeting dated 06.03.2023, has only forwarded the case of Sh. Aseem Dubey without any recommendations to that effect.

Vide earlier letter dated 17.05.2023, Sh. Aseem Dubey had requested for waiver for screening test for Ph.D admission, which was turned down by the University vide letter dated 02.06.2023.

Sh. Aseem Dubey has applied afreash in Ph.D program in August, 2023 but could not clear the screening test.

Further, as regards his request for re-admission, there is no expressed provision/procedure in the Ph.D Ordinance, DTU.

As per clause 3.18 of the Notification dated 23.09.2022, subject to the provisions of the Act, Statute and Ordinance, the issues not covered in this Ordinance or in the event of difference of interpretation, the Vice Chancellor may take a decision, after obtaining the opinion of a Committee consisting of any or all the Deans of the University. The decision of the Vice Chancellor shall be final.

Decision : **The Academic Council deliberated the matter at length and authorized the Vice Chancellor to take a decision after considering all facts and circumstances.**

Agenda 36.5 : **Approval for revised B.Tech Curriculum to align its credit framework with NHEQF and introduce the provision of multiple-entry and multiple-exit in accordance with NEP 2020.**

It was submitted that the Academic Council in its 35th meeting held on 15.05.2023 has approved to revise B.Tech curriculum to align its credit framework with NHEQF and introduce the revision of multiple entry and multiple exit in accordance with NEP 2020. Accordingly, the revised course curriculum for B.Tech 1st year for the students admitted in AY 23-24 onwards as per NEP is placed below.

Curriculum Scheme for B.Tech first Year

S.No.	Subject	Credits	Category
	Proposed First Semester		
1.	Mathematics-I	4	BSC
2.	Physics / Programming Fundamentals	4	BSC/ESC
3.	Interdisciplinary Core Course -1*	4	BSC/ESC
4.	Interdisciplinary Core Course –2*	4	BSC/ESC
5.	Skill Enhancement Course -1 (Branch Specific)	2	SEC
6.	Ability Enhancement Course-1/ Value Addition Course -1	2	AEC
	Total	**20**	
	Proposed Second Semester		
	Subject	**Credits**	**Category**
1.	Mathematics-II	4	BSC
2.	Programming Fundamentals/ Physics	4	ESC / BSC
3.	Interdisciplinary Core Course -3#	4	BSC/ESC
4.	Departmental core Course 1	4	BSC/ESC
5.	Skill Enhancement Course (SEC)-2 (Branch Specific)	2	SEC
6.	Ability Enhancement Course-2/ Value Addition Course -2	2	AEC
	Total	**20**	

1. *Interdisciplinary Core Courses 1 and 2 shall be allocated from a common pool of Interdisciplinary BSC/ESC Courses.

2. #Interdisciplinary Core Course-3 will be decided by the concerned department.

3. Interdisciplinary Core Courses 1 and 2 in BSC/ESC pool shall be considered equivalent for the purpose of credit completion requirement for award of degree.

4. AEC-1/VAC-1 and AEC-2/VAC-2 will be offered centrally and coordinated by AEC/VAC Coordinator(s) under administrative control of Dean (UG).

5. SEC 1 and SEC 2 for each branch will be coordinated by the respective departments.

List of Interdisciplinary Courses (1 and 2) (Semester – I)

S.No.	Interdisciplinary Core Course (Abbreviation)	Offering Department
1.	Applied Chemistry (AC)	Applied Chemistry
2.	Basic Civil Engineering (BCE)	Civil Engineering
3.	Basic Electrical Engineering (BEE - I)	Electrical Engineering
4.	Basic Electrical Engineering (BEE - II)	Electrical Engineering
5.	Basic Electronics and Communication Engineering (BEC)	Electronics & Communication Engineering
6.	Basic Mechanical Engineering (BME)	Mechanical Engineering
7.	Computer Aided Engineering Graphics-1 (EG-1)	Mechanical Engineering
8.	Computer Aided Engineering Graphics-2 (EG-2)	Mechanical Engineering

Branch wise Allocation of Interdisciplinary Core Courses (Semester – I)

S.No.	Branch	Sections	Interdisciplinary Core Course -1 (Semester I)	Interdisciplinary Core Course -2 (Semester I)
1.	Biotechnology	1	AC	BEC
2.	Chemical Engineering	1	EG -1	BEE – II
3.	Civil Engineering	2	BME	BEE – II
4.	Computer Science and Engineering	7	BEC	EG-2
5.	Electrical Engineering	5	EG -1	BCE
6.	Electronics & Communication Engineering	4	AC	BEE – I
7.	Environmental Engineering	1	BCE	AC
8.	Engineering Physics	2	AC	BEE – I
9.	Information Technology	3	BEC	BEE – I
10.	Mechanical Engineering	4	BEE – II	BCE
11.	Mechanical Engineering with specialization in Automotive Engineering	1	BEE – II	BCE
12.	Mathematics and Computing	3	BEC	EG-2
13.	Production and Industrial Engineering	1	BEE - II	AC
14.	Software Engineering	3	BEC	BEE – I

The complete teaching and examination schemes along with syllabi duly recommended by BoS of all respective academic departments all disciplines of B.Tech 1st year were placed in agenda at annexure pages 50 to 252.

Decision : The Academic Council deliberated on new B.Tech 1st year schemes of teaching and examinations and suggested some modifications. The Council also authorized Vice Chancellor to accept and approve the modified B.Tech Curriculum along with syllabus of courses proposed for B.Tech 1st year programs.

Agenda 36.6 : **Approval for pool of AEC and VAC courses for B.Tech students.**

It was submitted that the Academic that as per UGC curriculum and credit framework, the Ability Enhancement Courses (AEC) and Value Addition Courses (VAC) are essential component for holistic education.

(i) AEC : The AECs aim at enabling the students to acquire linguistic skills including critical reading and expository and academic writing skills with special emphasis on communication skills. These courses will also emphasize the development and enhancement of skills such as communication, ability to participate/conduct discussion and debate.

(ii) VAC : The VACs are value based courses which are meant to inculcate ethics, culture, constitution values, soft skill, sports education, environment Science/education and such similar values which will help in all round development of students.

It was proposed that under new curriculum Scheme for B.Tech program to be implemented from AY 2023-24 onwards, students are required to undertake AECs and VACs from suggested pool of courses. The proposed pool of courses was given as below which can be augmented time to time depending on emerging needs and trends.

1. Pool of Ability Enhancement Courses (AECs)

Sr. No.	CourseCode	Course Title	Cr.
1	AEC01	Appreciation of Fiction	2
2	AEC02	Appreciation of Poetry & Prose	2
3	AEC03	Appreciation of Short Stories	2
4	AEC04	Business Communication and PresentationSkills	2
5	AEC05	Communication Skills	2
6	AEC06	Communicative Hindi for Non-Natives	2
9	AEC09	French	2
10	AEC10	German	2
11	AEC11	Soft Skills and Personality Development	2
12	AEC12	Japanese	2
13	AEC13	Logical Reasoning	2
14	AEC14	Mandarin Chinese	2
15	AEC15	Public Speaking	2
17	AEC17	Spanish	2
18	AEC18	Spoken Skills in English	2
19	AEC19	Technical Communication	2

2. Pool of Value Addition Courses (VACs)

Sr. No.	Course Code	Course Title	Credits
1.	VAC01	Art of Happiness	2
2.	VAC02	Corporate Governance and Business Ethics	2
3.	VAC03	Corporate Social Responsibility	2
4.	VAC04	Cyber Law	2
5.	VAC05	Emotional Intelligence	2
6.	VAC06	Extension Outreach Activities	2
7.	VAC07	Food Chemistry	2
8.	VAC08	Fostering Social Responsibility and Community Engagement	2
9.	VAC09	Geography in Everyday Life	2
10.	VAC10	Introduction to Biological Science	2
11.	VAC11	Leadership Through Self-Management	2
12.	VAC12	NCC	2
13.	VAC13	Negotiation & Leadership	2
14.	VAC14	Nutraceutical	2
15.	VAC15	NSS	2
16.	VAC16	Professional Ethics & Human Values	2
17.	VAC17	Psychology for Everyday Living	2
18.	VAC18	Public Administration	2
19.	VAC19	Science & Practice of Happiness	2
20.	VAC20	Sports I	2
21.	VAC21	Sports II	2
22.	VAC22	Universal Human Values 1: Self-Family	2
23.	VAC23	Universal Human Values 2: Self, Society and Nature	2
24.	VAC24	Universal Human Values: Understanding Harmony	2
25.	VAC25	Value Driven Leadership	2
26.	VAC26	Environment Development and Society	2
27.	VAC27	Introduction to Environmental Sciences	2

Decision : The Academic Council considered and approved the proposed pool of AEC and VAC courses along with their syllabus.

Agenda 36.7 : Approval of Academic calendar for all UG, PG & Ph. D Programmes Academic Year 2023-24.

The Academic Calendar for all UG, PG & Ph. D Programmes Academic Year 2023-24 was submitted to the Academic Council as below:

Academic calendar for All UG, PG & Ph. D Programmes Academic Year 2023-24

Odd Semester

Filling of online registration form all UG, PG, & Ph. D Program	**07.07.2023 onwards (Friday)** (Notification to be issued by Examination Branch)
Orientation cum Induction Program for B.Tech I Year Students	**31.07.2023 – 04.08.2023 (Monday-Friday)**
Commencement of Teaching	**07.08.2023 (Monday)**
Mid Semester notification of shortage of attendance by the respective Departments	**22.09.2023 (Friday)**
Arena '23-24	**20.10.23 – 22.10.23 (Friday-Sunday)**
Mid Term Examination	**25.09.2023 (Monday onwards)**
Classes in online mode	**13.11.2023 – 16.11.23 (Monday-Thursday)**
Teaching Ends	**16.11.2023 (Thursday)**
Display of sessional marks and shortage of attendance	**17.11.2023 (Friday)**
End Semester Theory & Practical Examination	**20.11.2023 (Monday) onwards**
Grade moderation and display of grades	**15.12.2023 (Friday)**
Declaration of result	**22.12.2023 (Friday)**

Even Semester

Filling of online registration form all UG, PG, & Ph. D Program	**07.12.2023 onwards (Thursday)** (Notification to be issued by Examination Branch)
Commencement of Teaching	**01.01.2024 (Monday)**
Techfest'24/ Engifest'24/ Yuvaan'24 Teaching suspended (for UG & PG Students only)	**12.02.2024 to 17.02.2024 (Monday-Saturday)**
Mid Semester notification of shortage of attendance by the respective Departments	**08.03.2024 (Friday)**
Mid Term Examination	**11.03.2024 (Monday) onwards**
Classes in online mode	**26.03.2024 to 28.03.2024 (Tuesday-Thursday)**
Teaching Ends	**26.04.2024 (Friday)**
Display of sessional marks and shortage of attendance	**30.04.2024 (Tuesday)**
End Term Theory & Practical Examination	**01.05.2024 (Wednesday) onwards**
Grade moderation and display of grades	**24.05.2024 (Friday)**
Declaration of result	**31.05.2024 (Friday)**
Summer Vacation	**03.06.2024 – 31.07.2024**
Industrial Training/Internship	**After End Term Examination/Summer Vacation**

Decision : The Academic Council considered and suggested to mention the date of declaration of results which should be within 15 days of conducting of last examination. Accordingly, the academic calendar was revised and approved as above.

Agenda 36.8 : Approval of First Year Syllabus of Four-Year BA Honours program.

It was submitted to the Academic Council that as per the decision of the 35th Academic Council meeting, the program and credit structure of the proposed Four Year BA Honours Economics was placed for kind approval of Hon Vice Chancellor DTU, and was accorded approval. In line with the structure, the syllabus for the courses in the first year, i.e. the First and Second semester, along with course objectives, outcomes, and contents etc., were placed for consideration and kind approval of the Academic Council.

The Board of Studies of USME had approved the syllabus, course objectives, outcomes, and contents etc. in its meeting held on 7th July 2023 and recommended to Academic Council. These were proposed from Academic Year 2023-24 onwards. The detailed Syllabus was placed in agenda at annexure pages 253-273.

Decision : The Academic Council considered and advised to modify syllabus of B.A. (Hons) program in line of credit framework of NHEQF. The Council also authorized the Vice Chancellor to accept and approve the revised syllabus for 4 year B.A. (Hons) program for USME.

Agenda 36.9 : Approval of First Semester Syllabus of Four-Year BBA Honours program.

It was submitted to the Academic Council that as per the decision of the 35th Academic Council Meeting, the program and credit structure of the proposed Four Year BBA Honours was placed for kind consideration of Hon Vice Chancellor DTU, and was accorded approval. In line with the structure, the syllabus for the courses in the First Semester, along with course objectives, outcomes, and contents etc., were placed for consideration and kind approval of the Academic Council.

The Board of Studies of USME has approved the syllabus, course objectives, outcomes, and contents etc. in its meeting held on 7th July 2023 and recommended to Academic Council. These were proposed from Academic Year 2023-24 onwards. The syllabus was placed in agenda at annexure pages 274-282.

Decision : The Academic Council considered and it was found that the syllabus is not as per NEP and UGC guidelines. The Council advised to add II Semester syllabus also. The Council also authorized the Vice Chancellor to accept and approve the revised syllabus for 4 year BBA (Hons) program for USME.

Agenda 36.10 : Approval of courses and credit structure of MBA (Executive) in Data Science and Analytics.

It was submitted to the Academic Council that as per the decision of the 33rd Academic Council meeting, the program and credit structure of the MBA (Executive) in Data Science and Analytics was accorded approval. In line with the structure, the syllabus for the courses in the Program, along with course objectives, Contents etc., were placed for consideration and kind approval of the Academic Council.

The Board of Studies of USME has approved the syllabus, course objectives, outcomes, and contents etc. in its meeting held on 7th July 2023 and recommended to Academic Council. These were proposed from Academic Year 2023-24 onwards.

Syllabus was placed in agenda at annexure pages 283 - 326.

Decision : The Academic Council considered and advised to prepare the syllabus in line with University Standard Format of UG/PG syllabus. The Council constituted a following committee to re-design the syllabus.

> 1. **Prof. Amit Mookerjee, Head, USME**
> 2. **Prof. Manoj Kumar, Department of CSE**
> 3. **Prof. Ruchika Malhotra, HOD, Software Engineering Deptt.**
> 4. **Dr. Archana Singh, HOD, DSM**

The Vice Chancellor is authorized to accept and approve the revised syllabus.

Agenda 36.11 : To permit Students of MBA/MBA-BA choice of GEC/DSE across Programs.

The USME BoS recommended in its meeting on 7th July 2023, that certain provisions be made for the MBA, MBA-BA and MA-Economics GEC and DSE courses, which is put up for consideration of the Academic Council as below:

1) Permitting choice of GEC courses of MBA-BA programme, for students of MBA, in Sem III & IV in lieu of existing DSEs (MBA program has only DSE as elective courses). The other norms regarding selection of DSEs will in MBA will required same.

2) Further to above, the specialization in Business Analytics in MBA be allowed if 4 electives are chosen from MBA-BA GECs. Specialisation is not mentioned in the degree and only the specialsiation rules are mentioned in the transcript.

3) Further, MBA students choosing GECs from MBA Bus. Analytics would have to necessarily register for the two courses namely (MB207: Predictive Analytics, and MB: 205- Programming for Python) as mandatory pre-requisite courses for registration for any of the other GECs courses of MBA-BA. This will be in Sem III. In subsequent semester, other GECs courses of MBA-BA may be taken subject to the maximum number of electves in any specialization, as per the earlier approved norms for MBA DSE courses.

4) In this matter, it is also proposed that if student undertakes above two pre-requisite courses MB205 and MB207, through MOOCs (only SWAYAM/NPTEL platform) and submits the certificate of the same, it may be granted equivalence in credit equal to the pre-requisite courses named above and the grade obtained may be used for CGPA as per DTU norms.

5) It was also proposed that MBA-BA Sem-III & IV students may be allowed to opt for any DSEs of MBA in lieu of GEC courses.

Decision : The Academic Council considered and advised to notify the MOOC courses and to prepare complete basket.

Agenda 36.12 : **Approval of the revised syllabus of Mathematics I & II, offered to all branches of 1st year B.Tech. Programme by Department of Applied Mathematics.**

It was submitted to the Academic Council that a meeting of the Board of Studies (BOS) of the Department of Applied Mathematics was held on 07/07/2023, at 3:00 pm. The BOS approved the revised syllabus of MA 101- Mathematics I and MA 102- Mathematics II (common to all branches) of first and second semester, respectively of first year B.Tech Program, commencing from the Academic Year 2023-24 onwards. Further, it was recommended for the kind consideration and approval of the Academic Council. The contents of syllabi were placed in agenda at Annexure pages 327 - 330.

Decision : **The Academic Council considered and advised to revise the syllabus in line with syllabus for GATE examination and submit the revised syllabus within 2-3 days. The Vice Chancellor is authorized to accept and approve the revised syllabus submitted by the Department of Applied Mathematics.**

Agenda 36.13 : **Approval for introduction of a minor degree in Geo-informatics for all B.Tech degree streams under Multidisciplinary Centre for Geo-informatics.**

It was submitted that the Academic Council in its 35th meeting vide Supplementary Agenda 35.22 has approved making Multidisciplinary Centre for Geo-informatics (MCG) an independent Centre with immediate effect.

Currently, the Centre is offering Ph.D and M.Tech in Geo-informatics. In order to expand the activities of the Centre, it is now proposed to offer a minor degree in Geo-informatics open to students from all the streams/departments w.e.f. session commencing in August 2023.

The proposed list of Core subjects and Electives for minor degree in Geo-informatics are as given below –

Core Courses		Electives	
Tentative Course Code	Course Title	Course Code	Course Title
GEO- 501	Remote Sensing, Photogrammetry and Satellite Image Processing	GEO5401	Surveying, Satellite Geodesy, GPS/GNSS
GEO - 503	Introduction to Geographic Information System and Web GIS	GEO5301	Probability, Statistics and Information theory in Geoinformatics
GEO- 502	Principles of Optical, Thermal and Hyperspectral Remote Sensing	GEO5201	Two week Survey and Mapping Camp (Local)
		GEO5402	Advanced Image Processing in Geoinformatics
		GEO5302	Modelling and Analysis of Geospatial Data
		GEO6401	Geoinformatics in Target Detection
		GEO6403	Geoinformatics in Geotechnical Engineering and Geohazards
		GEO6405	Geoinformatics in Transportation
		GEO6407	Geoinformatics in hydrology and Glaciology

		GEO6301	Geoinformatics in Disaster Management
		GEO6303	Geoinformatics in Health Care
		GEO6305	Geoinformatics in Geosciences
		GEO6201	Geoinformatics in Atmosphere and Oceanic Studies
		GEO6203	Geoinformatics in Agriculture
		GEO6205	Geoinformatics Urban Planning and Infrastructure
		GEO6207	Design and Development of Sensors for Remote Sensing

The above subjects will be taught by the faculty associated with the Centre or by hiring guest faculty in specific areas.

Decision : **The Academic Council considered and approved for introduction of a minor degree in Geo-informatics for all B.Tech degree streams under Multidisciplinary Centre for Geo-informatics.**

Agenda 36.14 : **Approval for introduction of minor specialization in the field of "Electric Vehicles Technology" for B. Tech students under Centre of Excellence in Electric Vehicles and Related Technologies, Department of Electrical Engineering, DTU.**

It was submitted to the Academic Council that Govt of India has decided to give a push for use of electric vehicles (EVs) to mitigate the problems of vehicular pollution and dependency on petroleum products. Vehicular pollution is a health and environment hazard. Govt. of India has given impetus to the use of electric vehicles through schemes such as FAME I and FAME II (Faster Adoption and Manufacture of (Hybrid and) Electric Vehicles). Purchase of individual EV has also been given huge push by way of subsidies. The public transport buses are being replaced by electric buses throughout the country. The service fleets of various e-commerce companies are being converted to electric vehicle fleets – two as well as three-wheelers. The associated charging infrastructure and battery swapping stations are continuously increasing. The number of companies manufacturing EV has also increased tremendously.

As such, the sales of EV have increased manifold. With so many EVs on road, a proper ecosystem for their development and after sales service is required. The demand for skilled manpower in the field of Electric Vehicles and Related Technologies is increasing. Since EV are multi-disciplinary subject, domain knowledge of Electrical, Mechanical, Electronics and Embeded System, common actions, IoT and big data is required. Hence, skill development in the field of EV needs to be offered to students across the domains. Centre of Excellence for Electric Vehicles and Related Technologies (CoE for EVRT), , is mandated to carry this job and is continuously in the process of upgradation and acquisition of new devices, tools, and machinery. CoE for EVRT can offer the required expertise and training.

Board of Studies of Department of Electrical Engineering after due deliberation has approved and decided to introduce a minor degree for B. Tech students in the field of "Electric Vehicles Technology" along with syllabus of the proposed subjevts in minor in the meeting held on 10.07.2023

After detailed discussion, deliberation(s) and review of the UG/PG Level courses, it is proposed to introduce a Minor in Electric Vehicles Technology for B. Tech students as per the following scheme in the University Curriculum where a student will opt for 6 courses of 4 credits each from a basket of courses for Electric Vehicles Technology as specified below:

Minor in Electric Vehicle Technology

Core Courses (Compulsory Courses)		Elective Courses (Any Three)	
Course Code	**Course Title**	**Course Code**	**Course Title**
EV-301	Fundamentals of Electric Vehicles	EV 351	E Mobility
EV 302	Energy Storage Systems for Electric and Hybrid Vehicles	EV 352	Electric Vehicles Retrofitting, Testing and Troubleshooting
EV 303	Power Electronics Converters and Drives for Electric Vehicles	EV 353	Electric Vehicles, Design, Dynamics and Testing
		EV 354	Automotive Electronics and Embedded Systems
		EV 355	Chargers and Charging Infrastructure
		EV 356	Intelligent Transportation Systems
		EV 358	Plug in Electric Vehicles and Smart Grid

The above Minor was proposed to come up under Centre of Excellence for Electric Vehicles and Related Technologies. The detailed syllabus of the said courses was placed in agenda at Annexure pages 331 - 344.

Decision : **The Academic Council considered and approved for introduction of minor in the field of "Electric Vehicles Technology" along with its syllabus for B. Tech students under Centre of Excellence in Electric Vehicles and Related Technologies, DTU.**

Agenda 36.15 : **Approval for Modification/ Addition in Elective Subject List of B.Tech (Computer Science & Engineering).**

It was submitted to the Academic Council that Computer Science & Engineering is dynamic field of engineering, and the department aims to provided updated course contents to its students. Deep learning has become one of most important area in the field of computer engineering and being used in numerous academic projects and industries.

As per current curriculum of B.Tech (CSE) Deep learning course is taught in the final year, which is too late. In the Board of Studies (BOS) meeting held on 07.07.2023, it was decided that Deep learning should be taught in third year of B.Tech (CSE) program to prepare students for final year project and placement.

The following additions/modifications in the list of elective courses of B.Tech (CSE) program are place for approval by Academic Council:

(a) CO-430 Deep Learning to be dropped from elective list
(b) CO-328 Deep Learning to added in the elective list

The updated syllabus of CO-328 Deep Learning was placed in agenda at Annexure pages 345 - 346.

Decision : **The Academic Council considered and approved for shifting of Elective Subject CO-430 Deep Learning listed in scheme of B.Tech (Computer Science & Engineering) to 6th semester w.e.f. forthcoming even semester. The new code for the subject will be CO-328 Deep Learning.**

Agenda 36.16 : **Any other item with the permission of the Chair.**

The meeting ended with vote of thanks to the Chair.

(Prof. Madhusudan Singh)
Registrar

Copy to:-
1. Secretary to Hon'ble Lt. Governor (Delhi), 6, Raj Niwas, Civil Lines, Delhi.
2. Vice Chancellor, DTU
3. Prof. J.P. Saini, Vice Chancellor, Netaji Subhash University of Technology, Dwarka, Delhi (UGC Nominee)
4. Prof. Neharika Vohra, IIM Ahmedabad & Former Vice Chancellor, Delhi Skill & Entrepreneurship University, Dwarka, Delhi.
5. Prof. D.P. Goyal, Director, Indian Institute of Management, Shillong, Meghalaya
6. Prof. Bhim Singh, Professor, Indian Institute of Technology, Delhi
7. Dr. B.R. Chahar, Professor, Indian Institute of Technology, Delhi (AICTE Nominee)
8. Sh. Rajesh Mathur, Advisor, ESRI, 5142, Laurel Parks Laureate, Sector 108, Noida 201304, Uttar Pradesh
9. All Deans of the University
10. Prof. Reeta Wattal, Professor, Mechanical Engineering
11. Prof. V.K. Minocha, Professor, Civil Engineering
12. All Heads of the Schools/Departments, DTU
13. Controller of Examinations, DTU
14. Sh. Rajesh Birok, Associate Professor, Electronics and Communication Engineering
15. Dr. M. Jayasimhadri, Assistant Professor, Applied Physics
16. Registrar

(Prof. Madhusudan Singh)
Registrar