

DELHI TECHNOLOGICAL UNIVERSITY

MINUTES

of 30th Meeting

ACADEMIC COUNCIL

Date : 22.09.2021

Time : 11:00 A.M.

Venue: Through Video Conferencing

(Online)

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DELHI TECHNOLOGICAL UNIVERSITY



Established under Govt. of Delhi Act 6 of 2009 (Formerly Delhi College of Engineering) BAWANA ROAD, SHAHBAD DAULATPUR, DELHI-110042

No. F.DTU/Org/AC/Meeting/01(1)/10/Vol-XIII / 1189

Dated: 25.09.2021

Minutes of the 30th meeting of the Academic Council held online on 22.09,2021 at 11:00 A.M.

The following members were present:

- 1. Prof. Yogesh Singh, Vice Chancellor, Delhi Technological University and Chairperson, Academic Council.
- 2. Prof. Neharika Vohra, Vice Chancellor, Delhi Skill & Entrepreneurship University, Dwarka, Delhi.
- 3. Prof. J.P. Saini, Vice Chancellor, Netaji Subhash University of Technology, Delhi (University Grants Commission nominee)
- 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 (All India Council for Technical Education nominee)
- 6. Sh. Rajesh Mathur, Advisor, Environmental Systems Research Institute (FICCI nominee).
- 7. Prof. A.Srivastava, Dean (Outreach & Extension Activities)
- 8. Prof. Ashutosh Trivedi, Dean (Industrial Research Development)
- 9. Prof. S.C. Sharma, Dean Academic (PG)
- 10. Prof. Madhusudan Singh, Dean Academic (UG), Registrar and Member Secretary, Academic Council, DTU
- 11. Prof. Vishal Verma, Dean, International Affairs.
- 12. Prof. Narendra Kumar, Dean, Student Discipline & Chief Warden.
- 13. Prof. Rajesh Rohilla, Dean, Alumni Affairs and Head, T&P.
- 14. Prof. S. Indu, Dean (Student Welfare)
- 15. Prof. S.K. Singh, Head, Environmental Engineering Department
- 16. Prof. V.K. Minocha, Head, Civil Engineering Department
- 17. Prof. S. K. Garg, Head, Mechanical Engineering Department
- 18. Prof. Uma Nangia, Head, Electrical Engineering Department
- 19. Prof. Rinku Sharma, Head, Applied Physics Department
- 20. Prof. S.G. Warkar, Head, Applied Chemistry Department
- 21. Prof. S. Sivaprasad Kumar, Head, Applied Mathematics Department
- 22. Prof. Kapil Sharma, Head, Department of Information Technology
- 23. Prof. Rajni Jindal, Head, Computer Science & Engineering Department
- 24. Prof. Ruchika Malhotra, Head, Software Engineering Department
- 25. Prof. N. S. Raghava, Head, Electronics & Communication Department
- 26. Dr. Nand Kumar, Head, Department of Humanities
- 27. Prof. Pravir Kumar, Head, Department of Bio-Technology
- 28. Prof. Ranganath M. S., Head, Department of Design

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- 29. Dr. Archana Singh, Head, Delhi School of Management
- 30. Prof. Naokant Deo, In-charge, B.Tech (Evening)
- 31. Prof. Amit Mookerjee, Head, University School of Management and Entrepreneurship (USME)
- 32. Sh. Kamal Pathak, Controller of Examinations
- 33. Prof. Pragati Kumar, Professor, Electrical Engineering Department
- 34. Prof. Reeta Wattal, Professor, Mechanical Engineering Department
- 35. Sh. Rajesh Birok, Associate Professor, Electronics and Com.
- 36. Dr. M. Jayasimhadri, Assistant Professor, Applied Physics Department

Following persons were invited to attend the meeting as special invitee:

- 1. Prof. Nirendra Dev, Director, IQAC
- 2. Dr. Girish Kumar, Chief Executive Officer, DTU-Innovation and Incubation Foundation
- 3. Sh. D.P. Dwivedi, Consultant, Finance & Planning
- 4. Prof. Rajeshwari Pandey, Associate Dean Academic (UG)
- 5. Dr. Rishu Chaujar, Associate Dean, Academic (PG)
- 6. Prof. Neeta Pandey, Electronics & Communication Department

Prof. D.P. Goyal, Director, Indian Institute of Management, Shilong could not attend the meeting due to his pre-occupations.



Agenda 30.1 : Opening Remarks by the Chairperson.

The Chairperson welcomed all the members and special invitees of Academic Council in its 30th meeting held on 22.09.2021. He informed that the ranking of the University has improved due to the valuable contributions made by the faculty members, officers, staff and students of the University. He intimated that the DTU has been placed in the bracket of 601-800 in the latest Times Higher Education World University Ranking 2022. Further, it is ranked 7th among Indian institutions in the World University Ranking of the Times Higher Education. He conveyed his thanks to the esteemed members of various statutory bodies for rendering their useful guidance from time-to-time.

Agenda 30.2 Confirmation of the minutes of the 29th meeting of Academic Council held on 23.07.2021.

It was submitted to the Academic Council that the minutes of the 29th meeting of Academic Council held on 23.07.2021, were circulated among all the members vide forwarding no. F.DTU/ORG/AC/Meeting/01(1)/2010/Vol-XIII/638-59 dated 03.08.2021 for confirmation.

No comments have been received from any of the members.

Decision: The Academic Council confirmed the minutes of 29th meeting of the Academic Council.



Agenda 30.3 Reaction taken report on the decisions taken in the 29th meeting of the Academic Council.

Action Taken Report on the decisions taken in the 29th meeting of the Academic Council held on 23.07.2021 was presented before the Council as below:

S. No.	Agenda Item	Decision	Action Taken by Council Branch	Compliance Report
29.1	Opening Remarks by the Chairperson	Points mentioned are taken on record.	Noted,	Matter of record,
29.2	Confirmation of the minutes of the 28 th meeting of Academic Council held on 30.04.2021.	The Academic Council confirmed the minutes of 28 th meeting of the Academic Council.	Noted.	Matter of record.
29.3	Action taken report on the decisions taken in the 28 th meeting of the Academic Council.	The Academic Council took the action taken report on record	Noted	Matter of record
29.4	Approval for Academic Calendar for UG and PG Programs (excluding 1st year B.Tech./ B.Tech. (Cont. Edu.)/ BA(Eco)H /BBA Programs): Odd Semester (Academic Year-2021-2022).	The Academic Council considered and approved the Academic Calendar for UG and PG Programs (excluding 1st year B.Tech./ B.Tech. (Cont. Edu.)/ BA(Eco)H /BBA Programs): Odd Semester (Academic Year-2021-2022). The Council also advised that the Academic Calendar for Ph.D programme should be followed on the same line and the classes in Academic Year 2021-22 odd semester would be conducted in online mode.	Decision conveyed to Dean, Academic (UG) vide letter no. 730 dated 09.08.2021.	Notified vide letter no. F 105(641)DTU/ Acad-UG/2018- 19/10841-49 dated 27.07.2021
29.5	Approval for Seat Matrix of various UG programmes	The Academic Council considered and approved the Seat Matrix of various Undergraduate programmes of the University as proposed.	Decision conveyed to Dean. Academic (UG) vide letter no. 731 dated 09.08.2021.	Approved seat matrix implemented for academic year 2021-22.
29.6	Approval for change in Subject Codes of three Minor Electives Papers.	The Academic Council considered and approved for change in Subject Codes of three Minor Electives Papers as per the revised table above.	Decision conveyed to Prof. Nand Kumar, HOD (Humanities) vide letter no. 732 dated 09.08.2021.	Revised codes have been printed in Academic Brochure.
29 7	To consider the recommendations of committee constituted to review the Scheme of Examination implemented in academic year 2020-2021 for continuous assessment.	The Academic Council considered and approved the recommendations of committee constituted to review the Scheme of Examination implemented in academic year 2020-2021 for	Decision conveyed to Prof. Neeta Pandey, HOD (ECE) vide letter no. 733 dated 09.08,2021.	Notified vide letter no. F.105(817)DTU/ Acad-UG/2020- 21/1097885 dated 10.08.2021.

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29.8	Formal registration to following Ph.D. Students	continuous assessment. The modified scheme of teaching and examinations shall be applicable in academic year 2021-2022 (odd semester). The Academic Council considered and approved the	Decision conveyed to	Registration letters to Ph.D.
	upon successful completion of course work and comprehensive examinations and approval of research Plan by respective DRCs.	formal registration of 16 candidates and confer their candidacy for Ph.D. programme.	Dean, Academic (PG) vide letter no. 734 dated 09.08.2021.	scholars have been issued.
29.9	Cancellation/Withdrawal of admission during January to February 2021 from Ph.D. programme.	The Academic Council approved the cancellation of admissions of above mentioned 8 candidates.	Decision conveyed to Dean, Academic (PG) vide letter no. 735 dated 09.08.2021.	Needful has been done.
29.10	made in Ph.D programme for the session starting from August 2021.	The Academic Council considered and approved admissions of 177 students in Ph.D programme for the session starting from August 2021.	Decision conveyed to Dean, Academic (PG) vide letter no. 736 dated 09.08.2021.	Needful has been done.
29.11	Approval for renewal of admission in Ph.D programme.	The Academic Council considered and approved for renewal of admission in Ph.D programme (Mechanical Engg) of below candidates. 1. Rahul Kumar Jaiswal 2. Ankit Dwivedi	Decision conveyed to Prof. S.K. Garg, HOD (Mechanical) vide letter no. 737 dated 09.08.2021.	Needful has been done.
29.12	Approval for Admission Brochures for the academic year 2021-22 for different PG programmes.	The Academic Council considered and approved the Admission Brochures for the academic year 2021-22 for different PG programmes. The Council also constituted a committee of following members to look into the matter for inclusion of B. Voc. programmes among eligible programmes/degrees for M.Tech admissions: 1. Dean, Academic PG - Chairperson 2. Dean, Academic UG 3. Dean, IRD 4. Dean, Student Discipline 5. Prof. S.K. Garg 6. Prof. Pragati Kumar 7. Prof. Narendra Kumar-II 8. Dr. Rishu Chaujar — Member Secretary	Decision conveyed to Dean, Academic (PG) vide letter no. 743 dated 09.08.2021.	Needful has been done.



29.13	Approval for inclusion of two new elective courses in M. Tech Power Electronics & Systems (PES).	The Academic Council considered and approved for inclusion of two new elective courses in M. Tech Power Electronics & Systems (PES) along with syllabus and provision of practical components in PES-5312.	Decision conveyed to Prof. Uma Nangia, HOD (Electrical) vide letter no. 738 dated 09.08.2021.	New electives have been included in the syllabus of M.Tech Power Electronics & Systems (PES).
29.14	Approval for revision of syllabus of full time MBA program w.e.f. academic year 2021-22.	The Academic Council considered and constitute a committee of following members to review the matter: 1. Dean, Academic (PG) - Chairperson 2. Prof. D.P Goyal, Director, IIM, Shilong 3. Prof. Neharika Vohra, Vice Chancellor, Delhi Skill & Entrepreneurship University 4. Prof. J.P. Saini, Vice Chancellor, NSUT 5. Dr. Archana Singh, HoD, DSM 6. Prof. Amit Mookerjee, Head, USME 7. Prof. Pragati Kumar, Electrical Engg. Dept. 8. Dr. Rishu Chaujar – Member Secretary	Decision conveyed to Prof. Archana Singh, HOD (DSM) vide letter no. 739 dated 09.08.2021.	The syllabus was reviewed by the Review Committee formed vide the decision in the 29th AC, subsequently first year scheme and content was approved by Hon'ble Vice Chancellor.
29.15	Approval for establishment of Centre of Excellence for the Science of Happiness.	The Academic Council considered and suggested some modifications which have been incorporated for establishment of Centre of Excellence for the Science of Happiness and recommended the matter to the Board of Management for its approval.	Decision taken by the BOM vide agenda no. 44.10 conveyed to Dr. T. Vijay Kumar (Civil Engg. Deptt.) vide letter no. 1035 dated 09.09.2021.	The process has been started for establishment of the Centre of Excellence for the Science of Happiness.
29.16	Any other item with the permission of the Chair.	No other item.	Noted	No further action required.
S.A 29.17	Approval for Policy for engaging International faculty as Online Guest faculty for part/full course teaching in a semester.	The Academic Council considered the matter and suggested to modify the proposal as per discussion. The Council also authorized Vice Chancellor to accept the recommendations of the Committee which will be chaired by Dean (IRD). The Council also recommended to place the revised matter before the Board of Management for its approval.	Decision taken by the BOM vide agenda no. 44.11 conveyed to Dean, International Affairs vide letter no. 1036 dated 09.09.2021.	Policy has been implemented vide Notification no. DTU/OIA/Policy/I FTR/2021-22/1532 dated 14.09.2021.



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S.A.	Approval of mandatory	The Academic Council	Decision	Notification has
29.18	course for every 1st or 2nd	considered and approved the	conveyed to	been issued and
	year UG students of	mandatory course for every	Dean, O&EA vide	the course will
	University on community	1st or 2nd year UG students of	letter no. 742	start on joining of
	engagement (mentoring	University on community	dated	1 st year students.
	school students) for 2	engagement (mentoring	09.08.2021.	
	credits.	school students) for 2 credits.		

Decision: The Academic Council took the action taken report on record.



Agenda 30.4 Approval of Academic Calendar for B. Tech. (Continuing Education) 1st Semester, academic year 2021-22.

It was submitted to the Academic Council that Admission of B. Tech (Continuing Education) was completed on 03 Sep 2021. Online classes for newly admitted students have been started with effect from 14 Sep 2021. The Academic Calendar for B. Tech. (Cont. Edu.) 1st Semester (AY-2021-22) Odd semester is given below for the approval of Academic Council: -

S.No.	Activity	Date
1,	Teaching Starts	14.09.2021
2.	Minor class Tests &	On any working day
3.	Submission of Proposal to the concerned faculty for *MTE component for courses having ETE	21.10.2021
4.	Submission of Proposal to the concerned faculty for ** PRE component for courses having PRE	
5.	Class Test – I & Practical Test – I (On any working day with prior information to the Students)	Between 12.10.2021 & 22.10.2021
6.	1st Review of *MTE components for courses having MTE	22.11.2021
7.	1st Review of ** PRE component for courses having PRE	
8.	Class Test – II & Practical Test – I (On any working day with prior information to the Students)	Between 22. 11.2021 & 02.12.2021
9.	Submission & Evaluation of *MTE component for courses having MTE	Between 10.12.2021
10.	Submission & Evaluation of ** PRE component for courses having PRE	& 20.12.2021
11,	Presentation/Viva -Voce Examinations for courses having PRE	*******
12.	Class Test – III & Practical Test – III (On any working day with prior information to the Students)	Between 24.12.2021 & 31.12.2021
13.	Teaching Ends	31.12.2021
14.	Online Submission of Marks of All Components of Evaluation	06.01.2022
15.	Online Submission of Grades to Examination Branch by Course Coordinators	07.01.2022
16.	Declaration of Results	12.01.2022

*MTE Components (Any one of the following to be decided by the faculty):

 Innovative Work in the form of Small Project, Startup Idea, Collaborative Projects, Automation, Simulation, Case study, Solutions to Real time social, economic and technical problems etc. (group of maximum 2 students)



- 2. Poster Presentation based on research papers
- 3. Annotated Bibliography
- 4. Graphical Abstract/Audio-Visual Content of Respective Course
- 5. Writing Review Report of Research Papers (Minimum 4-5 Papers)
- ** PRE components Innovative Practical Work in the form of Small Project, Lab/Task based Simulation/ Automation, Collaborative Projects etc. (group of maximum 2 students)

Decision: The Academic Council considered and approved the Academic Calendar for B. Tech. (Continuing Education) 1st Semester academic year 2021-22.



Agenda 30.5 : Approval for Internal Upgradation and Allotment of branchwise roll numbers to the 1st year B.Tech students, 2020-21 batch.

It was submitted to the Academic Council that 2559 students have been admitted in B Tech during AY 2020-21. As per the policy of DTU in vogue, internal upgradation and allotment of branch-wise roll numbers are made at the end of first year. Accordingly after withdrawal of cases, 2544 students of B.Tech 2K20 batch have been allotted branch wise Roll Numbers after upgradation. 15 vacant seats have been filled up through lateral entry. Details are as under: -

S.No.	Branch/department	No of students
1	ME (AE)	80
2.	BT	72
3.	CE	168
4.	СО	504
5.	ECE	244
6.	EE	313
722	EN	81
8	EP	121
9.	IT	168
10	MC	155
11.	ME	317
12.	PE	78
13	СН	76
14	SE	167
	Total	2544
15	Lateral Entry	15

Decision: The Academic Council considered and approved the Internal Upgradation and allotment of branch-wise roll numbers to the 1st year B.Tech students (2020-21 batch).



Agenda 30.6 : To consider the formal registration to following Ph.D. Students upon successful completion of course work and comprehensive examinations and approval of research Plan by respective DRCs.

It was submitted to the Academic Council that the Dean, Academic (PG) has forwarded a list of **64 candidates** to consider their registration for Ph.D. candidature upon successful completion of course work and comprehensive examinations along with approval of Research Plan by respective DRCs.

List of the candidates (department-wise) was placed in Annexure at page 102 to 104 in the Agenda note.

Decision: The Academic Council considered and approved the formal registration of 64 candidates and confer their candidacy for Ph.D. program.



Agenda 30.7 : Admission in Ph.D. programme (August Session- 2021) against additional seats in Electrical Engineering and admission under QIP scheme.

It was submitted to the Academic Council that the 03 additional candidates have been admitted in Electrical Engineering Ph.D programme against additional seats created for the session starting from August 2021. The list of these students admitted is given below:

S. No.	Roll No.	Full Name	Department
1.:	2K21/PHDEE/27	Atul Avasthi	Electrical Engineering
2.	2K21/PHDEE/28	Shilpa Ranjan	Electrical Engineering
3	2k21/PHDEE/29	Varun Bhardwaj	Electrical Engineering

Further, 01 candidate was admitted in Ph.D. programme (August Session-2021) under QIP scheme:

S. No. 1	Roll No.	Full Name	Department
1,, 2	2K21/PHDEE/30	5	Electrical Engineering (Under QIP scheme)

Decision: The Academic Council considered and approved the admissions of above mentioned 04 candidates.

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Agenda 30.8 : Cancellation/Withdrawal of admission from Ph.D. programme in July to September 2021.

It was submitted to the Academic Council that the certain admissions have been withdrawn during July to September 2021 from Ph.D programme. The list of the students whose registration are cancelled is as under:

S. No.	Roll No.	Full Name	Department
1,	2K20/PHDUSME/503	Aashima Gaba	USME
2.	2K16/PhDME/31	Priyanka Goyal	Mechanical Engineering
3,	2K20/PHDUSME/06	Munsifa Hoor	USME
4.	2K20/PHDAP/505	Mayank Kumar Pandey	Applied Physics
5.	2K18/PHDAP/23	Divya Deep Yadav	Applied Physics
6.	2K20/PHDME/504	Aseem Dubey	Mechanical Engineering
7.	2k21/PHDAM/09	Shobhit Kumar	Applied Mathematics
8.	2k21/PHDEE/06	Shreya Garg	Electrical Engineering
9.	2k21/PHDDSM/05	Rohit	DSM
10.	2K19/PHDAP/11	Hemant Kumar Arora	Applied Physics
11.	2K18/PHD/CE/502	Ankur Dubey	Civil Engineering

Decision: The Academic Council considered and approved the cancellation of admissions of above mentioned 11 candidates.

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Agenda 30.9 : Approval for re-continuation of a student in Ph.D. programme.

It was submitted to the Academic Council that an application has been received from a Ph.D student for re-continuation of his Ph.D. admission. The detail of the students is as under:

S. No.	Roll No.	Full Name	Department
1,	2K19/PHD/AM/08	Dhruv Goyal	Applied Mathematics

Decision: The Academic Council approved the re-continuation in Ph.D. programme of the above mentioned student, Dhruv Goyal.

() Xm Agenda 30.10: Approval for admissions made in various Master of Technology (M.Tech.) programme for the session 2021-22.

It was submitted to the Academic Council that **317** admissions were made in various Master of Technology (M. Tech.) programme for the session 2021-22.

The list of the admitted students in the said programme was placed in Annexure at page 105 to 113 in the Agenda Note.

Decision: The Academic Council considered and approved the admissions in M.Tech programme for the session 2021-22. However, the Council advised to constitute a committee to examine the issue of vacant seats in various M.Tech programmes and suggest the needful.

Agenda 30.11: To Consider and approve admissions made in Master of Design (M. Des.) programme for the session 2021-22.

It was submitted to the Academic Council that **42** admissions were made in Master of Design (M. Des.) programme for the session 2021-22.

The list of the admitted students in the said programme was placed in Annexure at page 114 to 115 in the Agenda Note.

Decision: The Academic Council considered and approved admissions in Master of Design (M. Des.) programme for the session 2021-22.

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Agenda 30.12: To Consider and approve admissions made in Master of Science (M. Sc.) programmes for the session 2021-22.

It was submitted to the Academic Council that the **240** admissions were made in Master of Science (M.Sc.) programmes for the session 2021-22.

The list of the admitted students in the said M.Sc. programmes was placed in Annexure at page 116 to 120 in the Agenda Note.

Decision: The Academic Council considered and approved the admissions made in Master of Science (M. Sc.) programmes for the session 2021-22.

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Agenda 30.13: To consider and approve admissions made in Master of Business Administration (Executive) programme and MBA (Business Analytics) programme for the session 2021-22.

It was submitted to the Academic Council that **53** admissions were made in Master of Business Administration(Executive) programme and **26** admissions in MBA (Business Analytics) programme for the session 2021-22.

The list of the admitted students in the above mentioned MBA programmes were placed in Annexure at page 121 to 122 and page 123 in the Agenda Note.

Decision: The Academic Council considered and approved the admissions made in Master of Business Administration(Executive) programme and MBA (Business Analytics) programme for the session 2021-22.

0) 02en Agenda 30.14 : Approval for starting a certificate course titled as "Basic Computer Course" Under Lab on Wheels Scheme for the candidates from the Government Schools of NCT of Delhi or from society.

It was submitted to the Academic Council that the Lab on Wheels was inaugurated on 6th April, 2021 by Hon'ble Dy Chief Minister of Delhi. It is meant to visit to different schools and localities of Delhi to provide educational and other social services. The main focus of the Lab on Wheels shall be on digital literacy.

In view of above and the demand from the schools and other sections of the society, a certificate course titled as "Basic Computer Course" under Lab on Wheels scheme of three months' duration was proposed by Centre for Extension and Field Outreach in accordance with the clause 7(2) of act of the DTU which is reproduced below:

7. Powers of the University – the University shall have the following powers, namely:

(2) to grant, subject to such, conditions as the University may determine, diplomas and certificates to, and confer degrees and other academic distinctions on the basis of examinations, evaluation or any other method of testing, on persons;

A committee was constituted by Hon'ble Vice Chancellor under the chairmanship of Prof. Amit Srivastava, Dean (OEA) vide office order F.No. DTU/Dean-OEA/Syllabus-LoW/46/398 dated 3.9.21 to review the proposal of Centre for Extension and Field Outreach regarding initiating a certificate course of 3 months' duration. The constitution of the committee is given as under:

Prof. Amit Srivastava, Dean (OEA), DTU
 Controller of Examination, DTU
 Prof. Neeta Pandey, Deptt of E&C
 Prof. Rajeshwari Pandey, Associate Dean (UG), DTU
 Member
 Dr. Girish Kumar, Associate Professor, MED
 Member
 Sh. Sanjay Kumar, Deptt of CSE
 Chairman
 Member
 Member
 Member
 Member

The committee held its meeting on 6th September, 2021. After due deliberations, the committee unanimously recommended the following:

(I) Certificate Course titled as "Basic Computer Course" under Lab on Wheels Scheme of duration 3 months (total contact hours 36) for the candidates from the Government Schools of NCT of Delhi or from society from the AY 21-22.

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There will be continuous evaluation and final credit will be given at the end of duration of certificate course (after three months).

Looking into the success of past mentoring program of DTU students to the candidates of Delhi Govt. Schools, to take the benefit of peer learning and for fostering social responsibility through community engagement among DTU students, it is proposed to engage USIP Intern/LoW intern/students registered under FEC (OEA) for conducting the classes and evaluate the candidates under the guidance of the course coordinator. The course coordinator should be a DTU faculty preferably from the academic domain of the certificate course. For BCC course, the course coordinator shall be the coordinator (OEA) from computer department, who was appointed vide letter No. DTU/Dean-OEA/FEC-52-Admn/2020/27/290 dated 12.2.2021. Dean (OEA) may further nominate a course Co-Coordinator, if required.

The detailed course content, method of class conduction and evaluation presented below:

Subject Code	
Subject Name	Basic Computer Course
Contact Hours	3 hours per week (Total 36 hrs)
Examination Duration	2 hrs
Credit	NA
Duration	3 months duration
Subject Area	Basic computer course
Pre-requisite	NIL
Objective	To develop basic knowledge of the computer so that candidate will be able to I. Understand word processing (MS word) II. Create data and basic operation with data using spreadsheet (MS Excel) III. Create and use basic presentation ((MS PowerPoint) IV. View information on Internet, create email account and send / receive emails (the web)

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Salient features of course:

1. Course content and duration

- (a). The certificate courses are offered for skill enhancement which demands more of hands on than merely theoretical aspects. Therefore, this course should consist of two parts (i) Theory and (ii) Practical with higher weightage to practical components both in terms of contact hours and evaluation components.
- **(b)** The BCC (LoW) course is proposed to have course duration of 36 hrs spanned in 3 months with 25% and 75% weightage to theory and practical classes respectively. The course content for BCC (LoW) is placed below:

Total 36 hours					
Theory session	Practical session				
8 hours	28 hours				

ALLOCATION OF TOTAL HOURS FOR EACH CHAPTER:

S. No.	Chapter	Theory hours	Practical hours
1.	MS windows, computer basics, shortcuts	1	3
2.	Operating computer using GUI based operating system	1	3
3.	Understanding word processing (MS word)	1	5
4.	Using spreadsheet (MS excel)	2	4
5.	Making small presentation (MS PowerPoint)	1	5
6.	Introduction to Internet, WWW and web browsers	2	3
7,.	Communications and Collaboration	1	4
Tota	al Hours (36)	9	27

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SYLLABUS OVERVIEW

S.No.	Chapter	Syllabus (Theory component)					
1	MS windows, computer basics, shortcuts	What is Computer, Basic Applications of Computer; Components of Computer System, Central Processing Unit (CPU), VDU, Keyboard and Mouse, Other input/output Devices, Computer Memory, Concepts of Hardware and Software, Data and Information;					
2.	Operating computer using GUI based operating system	What is an Operating System; Basics of Popular Operating Systems; Basics of O.S Setup; Common utilities					
3.	Understanding word processing (MS word)	Type of documents; Text Basics; Working with Objects; concepts of insert, delete, SmartArt, hyperlink; role of header and footer; List: ordered list, unordered list, customized list, multilevel list; Table: row, column, matrix.					
4.	Using spreadsheet (MS excel)	Introduction to Excel; Introduction to Excel interface, Understanding rows and columns; Naming Cells; Working with excel workbook and sheets; Basic math formula and function; sort and filter concept; graphs and chart plotting;					
5.	Making small presentation (MS PowerPoint)	Introduction to presentation, Basics of presentation software; Creating Presentation; Preparation and Presentation of Slides; Slide Show; Taking printouts of presentation / handouts, converting PPT format into pdf format.					
6.	Introduction to Internet, WWW and web browsers	What is Internet?; Search engines, Job Searching; Downloading video and Music, Uploading Video or Music; Introduction to Blogging, social platform, LAN, WAN; Concept of Internet; Applications of Internet; connecting to internet; What is ISP; Knowing the Internet; Basics of internet connectivity related troubleshooting, World Wide Web; Web Browsing software's, Search Engines; Understanding URL; Domain name; IP Address; Using e-governance website.					
7	Communications and Collaboration	Popular mail servers: Gmail, yahoo, Receiving Incoming Messages, Sending Outgoing Messages, Email addressing, Email attachments, Browsing, Text chatting, Voice chatting, Webcam Chatting, video meeting application.					



S.No.	Chapter	Syllabus (Practical component)
1	MS windows, computer basics, shortcuts	Creating Folder, Paint, Directories, Windows short cut keys, how to install software, connecting keyboard, mouse, monitor and printer to CPU and checking power supply
2.	Operating computer using GUI based operating system	The User Interface, Using Mouse; Using right Button of the Mouse and Moving Icons on the screen, Use of Common Icons, Status Bar, Using Menu and Menuselection, Running an Application, Viewing of File, Folders and Directories, Creating and Renaming of files and folders, Opening and closing of different Windows; Using help; Creating Shortcuts, disk partition.
3.	Understanding word processing (MS word)	Typing the text, Alignment of text , Editing Text: Cut, Copy, Paste, Select All, Clear ,Find & Replace; Formatting Text: Font Size, Font Style , Font Color, Use the Bold, Italic, and Underline , Change the Text Case , Line spacing, Paragraph spacing , Shading text and paragraph , Working with Tabs and Indents Text Formatting; Saving file : New, Open, Close, Save, Save As ; Working with Objects , Shapes, Clipart and Picture, Word Art, Smart Art ; Columns and Orderings -To Add Columns to a Document ,Change the Order of Objects , Page Number, Date & Time , Inserting Text boxes , Inserting Word art, Inserting symbols, Inserting Chart; Header & Footers , Inserting custom Header and Footer, Inserting objects in the header and footer, Add section break to a document; Working with bullets and numbered lists, Multilevel numbering and Bulleting, Creating List, Customizing List style, Page bordering, Page background ; Tables: Working with Tables, Table Formatting, Table Styles, Alignment option, Merge and split option; Proofing the document, Check Spelling As You Type, Mark Grammar Errors As You Type, Setting MutoCorrect Options; Printing: Page Setup, Setting margins , Print Preview, Print;
4.	Using spreadsheet (MS excel)	Formatting excel work book: New, Open, Close, Save, Save As; Formatting Text: Font Size, Font Style, Font Color, Use the Bold, Italic, and Underline; Wrap text, Merge and Centre; Currency, Accounting and other formats; Modifying Columns, Rows & Cells; Perform Calculations with Functions, Creating Simple Formulas, Setting up your own formula, Date and Time Functions, Financial Functions, Logical Functions, Functions Mathematical Functions, Statistical Functions, Text Functions; Sort and Filter Data with Excel, Sort and filtering data, Using number filter, Text filter, Custom filtering, Removing filters from columns, Conditional formatting; Create Effective



		Charts to Present Data Visually: Inserting Column, Pie chart etc., Create an effective chart with Chart Tool, Design, Format, and Layout options, Adding chart title, Changing layouts; Chart styles; Editing chart data range; Editing data series; Changing chart.
5.	Making small presentation (MS PowerPoint)	Setting Up PowerPoint Environment: New, Open, Close, Save, Save As; Typing the text, Alignment of text; Formatting Text: Font Size, Font Style, Font Color, Use the Bold, Italic, and Underline; Cut, Copy, Paste, Select All, Clear text; Find & Replace; Working with Tabs and Indents; Creating slides and applying themes, Inserting new slide, Changing layout of slides, Duplicating slides, Copying and pasting slide, Applying themes to the slide layout, Changing theme color, Slide background, Formatting slide background, Using slide views.
6.	Introduction to Internet, WWW and web browsers	Create profile: LinkedIn, twitter, etc; search engine, download and upload video, application download and installation, Using e-governance website: licence authority, Aadhar card / pan card / passport registration, online form filling; Internet banking.
7.	Communications and Collaboration	How to use Gmail, yahoo: create mail account, compose mail: subject, to, attachments, etc., inbox, outbox, sent, draft, spam, settings, privacy and security setting; Joining and hosting virtual meetings: Google meet, MS teams, zoom etc.

(c) A Course Coordinator (OEA) shall be appointed by competent authority for the certificate course for coordination between the office of outreach and student interns of DTU who would conduct classes for candidates. The course coordinator should be a DTU faculty preferably from the academic domain of the certificate course. For BCC course, the course coordinator shall be the coordinator (OEA) from computer department, who was appointed vide letter No. DTU/Dean-OEA/FEC-52-Admn/2020/27/290 dated 12.2.2021. Dean (OEA) may further nominate a course Co-Coordinator, if required.

2. Examination and Evaluation for BCC (LoW)

A registered candidate for BCC (LoW) shall be evaluated for his/her performance through classwork sessional (CWS), Practical Sessional (PRS) and end term examination (ETE). The distribution of weightage/marks assigned among various components is as given below:

Practical Sessional (PRS) = 30 marks
Class Work Sessional (CWS) = 10 marks
End Term Examination (ETE) = 60 marks



After completion of the course evaluation shall be done on the basis of exam conducted. Question paper for the exam shall be prepared by USIP Intern/LoW intern/students registered under FEC (OEA) (termed as "Student Intern" hereafter) with Centre for Extension and Field Outreach. The question paper so prepared by Interns shall be approved by the Course Coordinator (OEA) / Co-coordinator or any other faculty nominated by Dean (OEA).

Evaluation for exam of BCC shall be done by Student Intern. Award list shall also be prepared by student intern and the same will be moderated by the Course/Faculty Coordinator, if required.

3. Grading and Result Declaration

A theory exam will be conducted for 15 marks and practical exam for 45 marks making total marks as 60. Remaining 40 marks will be based on sessional marks as proposed in para 2 above. The grade to the candidate will be awarded based on the total marks obtained. The absolute grading system will be adopted for the certificate course.

The details of the letter grade corresponding to Total Marks obtained are given below:

Grade	Total Marks (%)
В	40 ≤ X < 50 %
B+	50 ≤ X < 60 %
Α	60 ≤ X < 70 %
A+	70 ≤ X < 80 %
0	X ≥ 80%

The lowest letter grade to be assigned will be 'B' whereas the highest letter grade will be 'O'. No certificate will be awarded below 'B' letter grade.

If any candidate does not qualify in the examination of BCC/any other such certificate course, he/she shall be given another opportunity to re-appear in the examination at the venue to be decided by the Dean (OEA).

4. The student interns who are registered for FEC (OEA) will be awarded grades on the basis of their performance while conducting classes for BCC (LoW) for the said FEC. Their performance shall be evaluated by the Course Coordinator.

The competent authority was requested for giving approval for the above proposed agenda in principle. After approval from Academic Council, it shall be implemented for the students admitted in academic session 2021-22 onwards. Amendments, if any, shall be carried out accordingly.

Decision: The Academic Council considered and approved in principle for starting the certificate course titled as "Basic Computer Course" Under Lab on Wheels Scheme of 3 months' duration from the AY 21-22 and to engage DTU USIP Intern/LoW intern/students registered under FEC (OEA) for conducting the classes, examinations and evaluate the candidates under the guidance of the course coordinator.

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Agenda 30.15 : Approval for introduction of new post graduate programme as Master of Arts (Economics) in the University School of Management and Entrepreneurship w.e.f. 2022-23.

It was submitted to the Academic Council that a meeting of the Board of Studies (BoS) of University School of Management & Entrepreneurship (USME) was held on 16th September, 2021 in an online mode.

Based on the approval of the BoS, USME, introduction of new post graduate program as *Master of Arts- Economics* w.e.f. 2022-23. It was submitted for consideration of the Academic Council. Details of the curriculum was as under:

I. Proposed Curricular Structure

	Lecture		T	Tutorial	P	Practical
CWS	Class Work		PRS	Practical Sessional	MTE	Mid Term Examination
	Sessional					
ETE	End	Term	PRE	Practical Examination	MOOC	Massive Open Online
	Examination					Courses

CURRICULAR COMPONENTS	Credits
(a) Department Core Courses (DCC)	
Core Courses	48
Workshop/Seminar courses (Each Credit is equivalent to 14 contact hours. Delivered in Flexible schedule, in workshop or seminar mode).	8
Total	56
(b) Open Elective Courses (OEC) /Departmental Elective Courses (DEC)/ General Elective Courses (GEC)	
General Elective Courses/MOOCs/MBA-BA DSE (Evaluation as per DTU norms; Max. 4 credits from MOOCs per semester)	12
Departmental Specific Elective Courses	16
Dissertation	12
Total	40
GRAND TOTAL	96



II. Semester wise curricular requirements

Semester	Core	Depart mental Elective	GEC/ MOOCs/ MBA-BA DSE	Dissertation	Workshop/ Seminar Courses	Total
I	20	(#)			4	24
II	20				4	24
III	8	8	4	4		24
IV		8	8	8		24
Total	48	16	12	12	8	96

In addition appropriate Tutorials/Bridge course would be offered for every batch during an Orientation Program at the beginning of the program, customized basis the needs of the batch that is admitted, for which approval will be sought by the department.

III. Semester Wise Curriculum – First Semester

Course Code	Name of the Course	Nature of Course		Contact Hours			Relative Weights				
			Credits	L	Т	P	CWS	PRS	MTE	ETE	PRE
MAEC-111	Microeconomics	Core	4	3	1	0	25		25	50	
MAEC-112	Macroeconomics	Core	4	3	1	0	25		25	50	
MAEC-113	Mathematical Methods in Economics	Core	4	3	1	0	25		25	50	
MAEC-114	Econometric Methods	Core	4	3	1	0	25		25	50	
MAEC-115	Economics of Growth and Development	Core	4	3	1	0	25		25	50	
MAEW-116	Basic Computer Programming	Workshop	4	2	0	4	15	25	20	40	50

IV. Admission Eligibility Criteria

Eligibility:

Minimum qualification: Bachelor's degree in Economics/Statistics/Science
with at least 2 papers in Mathematics or Statistics at graduation
level/Mathematics/any branch of Engineering; with at least 50 per cent
marks in aggregate or equivalent CGPA from a recognised
University/Institution. The applicant must have studied Mathematics at the
higher secondary or higher level.

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- Candidates belonging to the SC/ST/PWD Categories will be eligible for a 5% relaxation in the minimum marks criterion.
- In case the conversion formula is not provided by the concerned University/Institution, the equivalent percentage will be computed as per the DTU Guidelines, which are as follows:

Percentage of Marks = 10*CGPA

- Candidates who are in the final year of graduation are also eligible to apply.
- There is no age limit for applying to the MA Economics Program.

Admission Criteria:

- Admission to the MA Economics Program will be made based on the performance in an Entrance Test.
- The Entrance Test will comprise questions on Basic Mathematics and Statistics, Microeconomics, Macroeconomics, Econometrics, Indian Economy, International Economics, Public Finance, etc., the syllabus of which will be of standard undergraduate level Economics Program.
- A minimum cut off will be determined as pass percentage in the admission test, for eligibility for admission in the program, with appropriate relaxation for candidates from various categories.

V. Proposed Intake of program is 40 seats.

Detailed syllabus of the proposed program was placed in Annexure at page 124 to 129 in the Agenda Note.

Decision: The Academic Council considered and approved the introduction of new post graduate programme as Master of Arts (Economics) in USME.

The Academic Council advised to increase the intake to 60 and also to constitute a committee to re-examine the eligibility criteria for admission to M.A. (Economics) programme. The Council also authorized Vice Chancellor to approve the recommendations of the committee.



Agenda 30.16 : Approval for revision of MBA- Family Business and Entrepreneurship program Objectives and Structure offered at USME, East Campus from academic year 2022-23 onwards.

It was submitted to the Academic Council that a proposal to revise objective and structure for MBA- Family Business and Entrepreneurship program offered at USME, East Campus from AY 2022-23 onwards was placed as below for the consideration of Academic Council.

2.1 Program outcomes (POs):

The Family Business Management Graduates will be:

- 1. Aware about domestic & International Business environment & its socioeconomic impact of Family Business.
- 2. Having leadership skills, interpersonal communication skills, able to take objective decisions by related to Family Business Management contexts.
- 3. Able to analyse market opportunities in domestic and international business.
- Able to take into account societal responsibilities & sustainable business solutions

2.2 Program Educational Objectives (PEOs):

- 1. To equip students with the knowledge of managerial functions practiced in Family Business
- 2. To develop innovative thinking, creative and entrepreneurial mind set among the students.
- 3. To inculcate leadership skills, interpersonal communication skills & decision-making skills.
- 4. To inculcate business ethical values & sense of social purpose among students

2.3 Program Specific Outcomes (PSOs):

- 1. Holistic knowledge of Business Management with specialized knowledge in issues related to Family Business Management and Entrepreneurship.
- 2. Effective entrepreneurial skills and informed decision-making and analytical ability.



Proposed Curricular Structure

Semester	L	T	P	MOOCs/	OCs/ Tot		
				Workshop	Proposed	Earlier	
I	18	1	8	2	26	32	
II	15	0	8	2	26	32	
III	15	3	12	0	24	32	
IV	12	8	4	0	24	32	
		100	128				

FIRST SEMESTER

Code No.	Paper	Τ.	т	P	W	Total Credits	Distribution of Course
110.	Management Process &	-14				Credits	
					-	4	Core
MB 101	Organizational Behavior	3	222	2			
					-	4	Core
MB 102	Marketing Management	3		2			
MB 103	Decision Sciences	3	795	2	_ =	4	Core
	Financial Accounting & Cost				2	4	Core
MB 104	Analysis	3	1	19			
MB 105	Managerial Economics	4		: 6	-	4	Core
MB 106	Entrepreneurship Development	3	~	2	-	4	Core
MB 107	Business Communication	E		1/2	1	1	Skill Based
MB 108	108 Changing Paradigm in Leadership		1960	~	1	1	Skill Based
	Total	18	1	8	2	26	

^{*1} credit is equal to 14 hours.

SECOND SEMESTER

Code	Paper	L	T	P	W	Credits	Distribution
No.							of Course
	Human Resource					4	Core
MB 201	3 201 Management		-	2			
MB 202	B 202 Management of Innovation		3	20	3	3	Skill Based
MB 203	Financial Management		-	50		4	Core
MB 204	MOOCs	*	3 €	*	3	3	Skill Based
MB 205	Business Research Methods	3		2		4	Core
MB 206	Business Environment	2	•	4		4	Core
	Operations and Supply Chain					4	Core
MB 207	Management	3		2			
	Total	15		10	6	26	



THIRD SEMESTER

Code No.	Paper	L	Т	P	w	Credits	Distribution of Course
MB 301	Summer Internship	-	28	2		2	Skill Based
MB 302	Strategic Management	3	_1_		2.00	4	Core
MB 303	Organization Development	-	1.0	2	14	1	Core & Inter Disciplinary
MB 304	Business Plan Preparation &Seminar on Business Plan (NUES)*	*	1	2		3	Skill Based
MB 305	Paper – I	3	2	2	2	4	Elective
MB 306	Paper- II	3	=	2	-	4	Elective
MB 307	Paper – III	3	-	2	-	4	Elective
MB 308	Paper – IV	3	2	2	2	4	Elective
	Total	15	2	7	-	24	

^{*} NUES: NON UNIVERSITY EXAMINATION SYSTEM

FOURTH SEMESTER

Code No.	Paper	L	Т	P	W	Credits	Distribution of
							Course
	Project Dissertation/Business						Skill Based
MB 401	Plan Implementation		8		-	8	
	Government Policies,						Inter Disciplinary
	Institutions and Economic						
MB 402	Zones for Entrepreneurship	3		2	-	4	
MB 403	Paper – V	3		2	OH.	4	Elective
	Paper – VI	3	S#3	2	. #	4	Elective
	Paper – VII	3	1.00	2	-	4	Elective
	Total	12	8	4	-	24	

Elective Choice System

Students have to choose any four electives from the following groups I to IV below; and additionally, three courses from the Group V: Family Business Management. Elective papers will be offered in line with DTU norms.

Group - I SOCIAL ENTREPRENEURSHIP

- 1. Social Entrepreneurship
- 2. Social Entrepreneurship: Policy and Framework
- 3. Social Intrapreneurship
- 4. Social Innovation and Design
- 5. Social Return on Investment: Principles and practices
- 6. Marketing for social ventures
- 7. Social Entrepreneurship and Microfinancing
- 8. Social Enterprise Development and Capacity Building

Group -II DIGITAL ENTREPRENEURSHIP

- 1. Digital Entrepreneurship and Innovation
- 2. Business Model Validation
- 3. Social Media Marketing
- 4. Internet Intermediaries & Online Data Management
- 5. Online Consumer Behaviour
- 6. Web Architecture & Application
- 7. Online Intellectual Property & Data Protection Laws
- 8. Enterprise Systems

Group -III INTERNATIONAL ENTREPRENEURSHIP

- 1. International Entrepreneurship
- 2. International Business Environment
- 3. International Business Ethics
- 4. International Logistics Management
- 5. International Competitiveness and Strategic Alliance
- 6. International Financial Management
- 7. International Marketing
- 8. Export-Import Policies, Procedures and Documentation
- 9. International Human Resource Management

Group - IV STRATEGIC ENTREPRENEURSHIP

- 1. Strategic Entrepreneurship
- 2. Opportunity Creation
- 3. Managing the Growing Business
- 4. Entrepreneurial Bootstrapping
- 5. Venture Capital Investment
- 6. Strategic Operations Management
- 7. Business Sustainability, Restructuring and Renewal

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Group -V FAMILY BUSINESS MANAGEMENT

- 1. Fundamentals of Family Business
- 2. Behavioral Dynamics of Family Business
- 3. Leadership and Succession Management in Family Business
- 4. Managing Trans generational Organizations
- 5. Professionalization in Family Business
- 6. Excellence in Family Business
- 7. Managing the Growing Business
- 8. Strategic Management in Family Business

Decision: The Academic Council considered and approved the revision of MBA- Family Business and Entrepreneurship program Objectives and Structure offered at USME, East Campus from AY 2022-23 onwards with some modifications.



Agenda 30.17: Approval for changes in PEOs and POs of B.A.(H)-Economics program offered at USME, East Campus from academic year 2022-23 onwards.

It was submitted to the Academic Council that some changes PEOs and POs have been proposed in B.A.(H)-Economics program offered at USME, East Campus from AY 2022-23 onwards as below for consideration of the Academic Council.

PROGRAM OBJECTIVES - BA (H) Economics

Revised Program Educational Objectives (PEOs)

- PEO 1: To acquire knowledge of basic principles of economics and understanding of rational decision making by economic agents.
- PEO 2: To develop critical, analytical and measurable approach towards problems of the economy, government and society.
- PEQ 3: To practice mathematical, statistical, programming and analytical skills.
- PEO 4: To gain effective communication, interpersonal skill, motivational attitude as well as decision making and leadership skills.
- PEO 5: To inculcate social perspective on equity and inclusiveness.

Revised Program Outcomes/Program Learning Outcomes (POs)

The Economics Graduates will:

- PO 1: Grasp the knowledge of economics fundamentals.
- PO 2: Develop the ability to identify current economic issues, review and analyze relevant literature
- PO 3: Imbibe the ability to comprehend both theoretical and empirical models for analyzing various socio-economic problems.
- PO 4: Develop sensitivity to societal concerns and understand various socio-economic problems and be able to work towards development of sustainable solutions
- PO 5: Acquire ability to apply mathematical/econometric methods for measurement of economic problems and their interpretation
- PO 6: Acquire managerial and communication skills

Revised Program Specific Outcomes (PSOs)

The Economics Graduate will:

- PSO 1: Demonstrate knowledge of core, pure and applied economics
- PSO 2: Exhibit managerial skills with economics knowledge



- PSO 3: Specialize in application of economics principles and methods, in fields related to Economics of Health and Education, Political Economy, Comparative Economic Development, Economic History of India, Financial Economics, Environmental Economics Money and Financial Markets, International Economics, Energy Economics and Public Economics
- PSO 4: Able to understand theoretical and empirical economic models and be able to develop new theoretical models with testable hypothesis and have the ability to collect corresponding data and test the validity of models on real life problems

Decision: The Academic Council considered and advised to review the PEO, PO and PSO of B.A.(H)-Economics program by the same committee constituted to examine eligibility for admission to the M.A.- Economics programme. The Council authorized the Vice Chancellor to approve the recommendations of the committee.



Agenda 30.18: To consider the proposal for Academic Calendar 2021-22 for the MBA-BA, MBA-IEV and MBA (USME) & MBA-FBE program(s).

It was submitted to the Academic Council that the HOD, USME submitted the Academic Calendar 2021-22 for the MBA-BA, MBA-IEV and MBA (USME) & MBA-FBE program(s).

In this regard, the proposed Academic Calendar for the above given program(s) were as under for perusal and approval:

Table 1: Academic Calendar MBA-BA program 2021-22:

S. No.	Assessment Activity	Date
1.0	Orientation Program: Journey Through the program: Perspectives and Workshop on Case based learning Career Perspectives: Industry Interaction The Program - Curriculum and Evaluation - Extra-Curricular: Clubs/Placement/Other processes	9 th Sep and 10 th September 2021
2.	Commencement of Teaching	13th September 2021
3.	Minor test I & II	On any working day
4.	Submission of Proposal of Innovative Work to the concerned faculty for MTE component for courses having ETE	27 th September-10 th October 2021
5	Submission of Proposal of Innovative Practical Work to the concerned faculty for PRS component for courses having PRE	
6.	Class Test-I & Practical Test-I With prior information to students	Between 20 th September-3 rd Oct. 2021 Online Submission of Marks: 5 th Oct. 2021
7.	Review of Innovative Work for MTE components for courses having MTE	11 th October 2021
8.	Review of Innovative Practical Work for PRS components for courses having PRE	
9.	Class Test-II & Practical Test – II With prior information to students	Between 11 th -20 th October 2021 Online Submission of Marks: 20 th Oct. 2021
10.	Submission & Evaluation of Innovative Work for MTE component for courses having MTE	10-11-2021
11	Submission & Evaluation of Innovative Practical Work" for PRS component for courses having PRE	10-12-2021
12.	Class Test-III & Practical Test-III With prior information to students	Online (On any working day between 16 th Dec-20 th Dec 2021) Submission of marks latest 22-12-2021
13.	End of teaching for the Session	20-12-2021
14.	Online Submission of Marks of All Components of Evaluation	24-12-2021
15.	Online Submission of Grades-Examination Branch (Course Coordinators)	28-12-2021



Table 2: MBA (USME) & MBA-FBE Program(s) Academic Calendar - ODD Semester, Academic Year (2021-22):

S. No.	Assessment Activity	Date
1.	Orientation Program:	20 th Sept. and 21 th Sept. 2021
2.	Commencement of Teaching	22 nd Sep 2021
3.	Minor Class Tests I & II	On any working day
4.	Submission of Proposal of Innovative Project to the concerned faculty for MTE component for courses having ETE & MTE	Between 21 st Oct and Oct-23 rd October 2021
5,	Class Test - I & Practical Test - I (on any working day With prior information to students)	Between 25 th Oct and 29 th Oct 2021
6.	1st Review of **MTE Components for courses having MTE	1 st Nov 2021
7.≓	1st Review of **PRE Components for courses having PRE	
8,,	Class Test – II & Practical Test – II (on any working day With prior information to students)	Between 25 th Nov and 30 th Nov-2021
9.	Submission & Evaluation of * MTE component for courses having MTE	13 th Dec 2021
10.	Submission & Evaluation of **PRE component for courses having PRE	
11.	Presentation/Viva –Voce Examination for course having PRE	Between 16 th and 17 th Dec 2021
12.	Class Test - III & Practical Test – III (on any working day With prior information to students)	Between 20 th and 23 rd Dec 2021
13.	Teaching Ends	24 th Dec 2021
14.	Online Submission of Marks of All Components of Evaluation	28 th Dec 2021
15.	Online Submission of Grades - Examination Branch (Course Coordinators)	30 th Dec 2021
16.	Declaration of Results	As per DTU

Decision: The Academic Council considered and approved the Academic Calendar 2021-22 for the MBA-BA and MBA (USME) & MBA-FBE programmes in USME.



Agenda 30.19 : Approval for introduction of new course as Master of Technology in Communication Systems.

It was submitted to the Academic Council that the department of Electronics and Communication has proposed to introduce a new course in M.Tech as *M.Tech in Communication Systems*.

The proposed coding scheme and the syllabus were placed in Annexure at page 130 to 150 in the Agenda Note.

Decision: The Academic Council considered and referred the matter to the committee in agenda 30.10 to re-examine the introduction of new course and re-submit the proposal to the Academic Council in its next meeting.



Agenda 30.20 : Approval for revision of course EC-302 in B.Tech (ECE).

It is submitted to the Academic Council that a meeting of Board of Studies, Electronics and Communication Engineering department was held on 25.05.2021 to discuss course revision of EC-302.

The proposed revision is placed below for consideration of the Academic Council.

EC-302

At present the students of the B.Tech (EC) program study the course EC-302 VLSI Design in VI semester. This course covers the review of MOS device, and design of static and dynamic combinational circuit; and sequential circuits etc.

The "EC-302 VLSI design" is one of industry relevant courses of electronics program therefore each topic needs to be covered from designer's viewpoint and in depth to lay a strong foundation. It has been felt that some of topics may be dropped and new topics like TSPC register, semiconductor memory be introduced.

The topics such as Modelling of MOS transistors using SPICE, level I II and equations does not require classroom teaching and are relevant for PG students. The other topics of unit II of existing syllabus are reshuffled to Unit I and Unit III.

Existing syllabus of EC 302 with proposed revision is placed below:



UNIT	TOPICS	HOURS
1	Introduction to VLSI, Manufacturing process of CMOS integrated circuits, CMOS n-well process design rules packaging integrated circuits, stick diagram, IC layout design and tools, trends in process technology, MOS transistor, Energy band diagram of MOS system, MOS under external bias, derivation of threshold voltage equation, gradual channel approximation, MOS I-V characteristics, secondary effects in MOSFETS, MOSFET scaling and small geometry effects, MOS capacitances, MOS C-V characteristics (Added)	8
#	MOSFET scaling and small geometry effects, MOS capacitances, Modelling of MOS transistors using SPICE, level I II and equations, capacitance models.	3
	The Wire: Interconnect parameters: capacitance, resistance and inductance.	1
	Electrical wire models: The ideal wire, the lumped model, the lumped RC model, the distributed RC model, the transmission line model, SPICE wire models.	2
#11	MOS inverters: Resistive load inverter, inverter with n-type MOSFET load, CMOS inverter: Switching Threshold, Noise Margin, Dynamic behaviour of CMOS inverter, computing capacitances, Propagation delay, Inverter Design with Delay Constraints, Estimation of Interconnect Parasitics, Calculation of Interconnect Delay, (shifted from Unit 2) Static and dynamic power consumption, energy, and energy delay product calculations	108
IV III	Designing Combinational Logic Gates in MOS and CMOS: MOS logic circuits with depletion MOS load. Static CMOS Design: Complementary CMOS, Ratioed logic, Pass transistor logic, pseudo nMOS logic, DCVSL Logic Dynamic CMOS logic, clocked CMOS logic CMOS domino logic, NP domino logic, speed and power dissipation of Dynamic logic, cascading dynamic gates.	
¥ -IV	Designing sequential logic circuits: Timing matrices for sequential circuits, classification of memory elements, static latches and registers, the bistability principle, multiplexer based latches, Master slave Edge triggered register, static SR flip flops, dynamic latches and registers, dynamic transmission gate edge triggered register, the C2MOS register, TSPC register (Added), Pulse registers, sense amplifier based registers, Pipelining, Latch verses Register based pipelines, NORA-CMOS. Two-phase logic structure	8-10



¥¥V	Semiconductor Memories: DRAM, SRAM, Nonvolatile memory, Flash memory, Introduction to memory peripheral circuits (Added) VLSI designing methodology –Introduction, VLSI designs flow, Computer aided design technology: Design capture and verification tools Design Hierarchy Concept of regularity, Modularity & Locality, VLSI design style, Design quality	€8
	Total Lecture Hours	42

Decision: The Academic Council considered and approved the revision of course EC-302 in B.Tech (ECE).



Agenda 30.21 : Approval for adding specialization in Master of Design (M.Des.) and Bachelor of Design (B. Des.) programmes in Department of Design.

It was submitted to the Academic Council that the Department of Design has proposed for adding specialization in Master of Design (M.Des.) and Bachelor of Design (B. Des.) programmes as follows:

The proposed addition of specializations in the M. Des. program

- 1. Lifestyle and Accessory Design.
- 2. Transportation and Service Design.

The intake proposed: 15 for each specialization

Proposed Criteria for admission:

Graduate in a professional Degree (i.e., 4 year Professional courses) Eg: B.E, B. Tech, B. Arch, B. Des., BFA etc.

Proposed Selection Criteria:

Common Entrance Examination for Design (CEED) Qualified candidates with a valid CEED scorecard will apply for the program and then will be shortlisted. The Department will conduct its own Design Aptitude Test along with an interview round. The syllabus for Design Aptitude test will be as per the specialization of the M. Des. program.

The proposed subjects for each individual discipline were placed in Annexure at page 151, 152 pages in the Agenda Note.

DTU Scholarship for all CEED qualified students similar to the GATE scholarship offered to Master's students may be approved.

The proposed addition of specializations in the B. Des. program

1. Film Design

Proposed Criteria for admission:

As per University norms/system

Proposed Selection Criteria:

As per University norms/system

The proposed subjects for specialization were placed in Annexure at page 153 in the Agenda Note.

Decision: The Academic Council considered and approved for adding specialization in Master of Design (M.Des.) and Bachelor of Design (B. Des.) programmes in Department of Design as proposed.

Minutes of the 30^{th} Academic Council meeting, DTU held on 22.09.2021

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Agenda 30.22 : Approval for enhancement of number of Interns in University Internship Program.

It was submitted to the Academic Council that the University Student Internship Program is introduced to provide students an opportunity to expose students to real life environment and to help university in improving processes and activities undertaken time to time. The interns have to contribute towards various portfolios like report and document preparation, data analysis, coordination and networking, website development, operations and monitoring of gadgets, appliances; B. Tech. admission counselling, event management, library management, cultural activities, sport activities, public relation and international affairs of the university, networking and coordination, and teaching (physics and mathematics) to international students.

The Board of Management has approved University Student internship program vide agenda item 19.4 in the 34th BOM meeting and instituted 100 stipends. Since December 2016, the interns are selected on the basis of their interest of student and are engaged in various activities of the university as per his/her suitability for a particular activity. They required to work for six to eight hours a week including weekends and holidays, and are paid Rs. 2500/- per month. The stipend amount is debited to student's fund.

The internship program is prestigious intuitive of the university and is very popular among students. To extend the USIP benefits to more students and increase their participation in University activities, it was proposed that 50 more students may be inducted into USIP in the A.Y. 2021 -2022 and another 50 in A.Y. 2022-2023 who may be gainfully deployed in various departments / offices of the university.

Thus, the University Student Internship Program will have a pool of 150/200 students for the purposes mentioned above in A.Y. 2021-2022 / A.Y. 2022-2023 onwards.

Decision: The Academic Council consider and recommended the enhancement of number of interns in University Internship Program to the Board of Management for its approval.



Approval for including new Foundation Elective Courses for Agenda 30.23 : UG students.

It was submitted to the Academic Council that essential to develop a holistic perspective among students towards life and profession as well as towards happiness and prosperity based on a correct understanding of the Human reality and the rest of existence. Such a holistic perspective forms the basis of happy and productive life which definitely move towards more contributing in a natural way. The main objective of this course is to promote the science and art of happiness scientifically through education, research activities, collaborating with industry and other stakeholders.

For this purpose, one foundation elective courses (FECs) are being proposed to be introduced to the basket of already existing 35 foundation electives which are being offered to the students of B.Tech. programme from 2022 January session onwards.

1. FEC 58 - "Science and practice of Happiness"

Developed by the Centre of excellence for the science of Happiness in collaboration with Rekhi Foundation. This centre is created through the approval of Board of Management of Delhi Technological University in its 44th meeting held on 31/8/21.

The Teaching and evaluation scheme for Foundation Electives and syllabi will be is as under:

Course Title	Science and P	ractice of Hap	piness	
Scheme and Credits	L	Т	P	С
	2	0	0	2

Syllabus

Session plan	Content to be covered	Objective
1	Understanding emotions	 The importance of different emotions Why stay happy Emotion contagion
2	Theories of emotion	- Introducing the different perspectives of happiness
3-4	Science of Happiness and wellbeing	 Understanding the neuroscience of happiness Brain-behaviour relationship in happiness Science of belief/
5	Measuring happiness	Why do we need to measure happiness How can we measure happiness Importance of measuring happiness Role of technology

6-7	Happiness in daily living	Importance of empathy, gratitude, kindness
8-9	Happiness at work	Understanding employee happiness Designing happy workplaces Role of humour in workplace
10-11	Communicating happiness	Designing effective messages Body language and nonverbal cues of happiness Role of gestures in spreading/understanding happiness
12-13	Practice of happiness	 Introduction to different practices that help calm the mind and foster happiness Mindfulness practices Self awareness Self motivation
14	Best practices of happiness	- Sharing examples, cases, practices that have been implemented and which have yielded result in spreading happiness
15	Happy leaders	 The emotional impact of a team leader on its members Sensitivity training
16	Creativity and happiness	 Creativity Vs routine Understanding the role of flow Importance of intuition
17-18	Relationship and wellbeing	 The importance of relationship Nurturing relationship Importance of networking
19	Career, life and happiness	 Understanding the importance of career and it's limits Work life balance Achieving personal and professional success
20- 21	Consumer Happiness	How to keep your consumers happy Practices adopted my marketers do keep consumers happy
22	Sensory engagement and happiness	- Engaging the senses to keep oneself and others happy
23-24	Building resilience	 Resilience in times of uncertainty and stress Nurturing skills, values, perception and mindset for resilience

The course may ask the students to indulge in

- 1. Projects
- 2. Maintaining gratitude journal
- 3. Monitor their progress as a consequence of undertaking this course

Decision: The Academic Council considered and approved for inclusion of new Foundation Elective Courses for UG students.

Agenda 30.24 : Approval of electives to be offered under "Minor in Innovation and Entrepreneurship" for B.Tech students in DTU, proposed by Delhi School of Management.

It was submitted to the Academic Council that in reference to the decision taken by the Academic Council in its 27th meeting vide item number 27.13, regarding division of minor MBE ALS1 into two segments of 4 credits each as Action Learning Segment-1 and Action Learning Segment-2.

Following minor revision was proposed:

- 1) On the advice of the Council, the course MBE ALS 1 was divided into two segments of 4 credits each and included in the CORE course to be offered under "Minor in Innovation and Entrepreneurship."
- 2) Further, it was proposed that there will be three Core Courses and which would be followed sequentially over three semesters. The CORE courses and their sequence is as follows:

1.	BBA 303	4 credits	Entrepreneurship Development
2.	MBE ALS I	4 credits	Action Learning Segment-I Start-up/Incubation/Acceleration Residency Learning Program : Action Based
3.	MBE ALS II	4 credits	Action Learning Segment-II Start-up/Incubation/Acceleration Residency Learning Program : Action Based

Decision: The Academic Council considered and approved the above proposal. The Council also advised to resolve any issue in collaboration with DTU-IIF.



Agenda 30.25 : Approval for Academic Calendar of MBA Program and MBA (Executive)- ODD Semester, 2021-22 in Delhi School of Management, Delhi Technological University.

It was submitted to the Academic Council that the Delhi School of Management has submitted the Academic Calendar 2021-22 for MBA program and MBA (Executive) program- ODD Semester.

In this regard, the proposed Academic Calendar for the above given program(s) were as under for perusal and approval:

MBA Program Academic Calendar - ODD Semester, Academic year 2021-22

S. No.	Assessment Activity	Date
1.	Orientation Program:	20th Sept. and 21th Sept.
	Journey Through the Program: Perspectives	2021
	and	
	Workshop on Case based	
	learning/Simulation	
	Career Perspectives: Industry Interaction	
	The Program	
	- Curriculum and Evaluation	
	- Extra Curricular: Clubs/Placement/Other	
	processes	-3-
2.	Commencement of Teaching	22 nd Sep 2021
3.	Minor Class Tests I & II	On any working day
4.	Submission of Proposal of Innovative Project	Between 21st Oct and Oct-
	to the concerned faculty for MTE component	23 rd October 2021
	for courses having ETE & MTE	
5.	Class Test - I & Practical Test – I (on any	Between 25 th Oct and 29 th
	working day With prior information to	Oct 2021
	students)	
6. (a)	1 st Review of **MTE Components for	1st Nov 2021
	courses having MTE	
	Ist Review of **PRE Components for	
(b)	courses having PRE	
7	Class Test – II & Practical Test – II (on any	Between 25th Nov and 30th
	working day with prior information to	Nov-2021
	students)	
8. (a	Submission & Evaluation of * MTE	13 th Dec 2021
)	component for courses having MTE	
(b	Submission & Evaluation of **PRE	
)	component for courses having PRE	
9.	Presentation/Viva –Voce Examination for	Between 16th and 17th Dec
	course having PRE	2021
10.	Class Test - III & Practical Test - III (on any	Between 20th and 23rd Dec
	working day with prior information to	2021
	students)	
11.	Teaching Ends	24 th Dec 2021



12.	Online Submission of Marks of All	28 th Dec 2021
	Components of Evaluation	
13.	Online Submission of Grades - Examination	30 th Dec 2021
	Branch (Course Coordinators)	
14.	Declaration of Results	As per DTU

*MTE Components (any one of the following to be decided by the faculty):

- Innovative work in the form of Small Project, Startup Idea, Collaborative Projects, Automation, Simulation, Case Study, Solutions to Real time Social, economic and technical problems etc. (group of maximum 2 students
- 2. Poster Presentation based on research papers
- 3. Annotated Bibliography
- 4. Graphical Abstract/Audio-Visual Content of Respective Course
- 5. Writing Review Report of Research Papers (Minimum 4-5 Papers)

 **PRE components Innovative Practical Work in the form of Small Project, Lab/Task Based Simulation /Automation, Collaborative Projects etc. (group of maximum 2 students)

Academic Calendar - MBA(Executive) for Odd semester of the Academic Year-2021-2022

S. No	Assessment Activity	Date
1.	Filling of Online Registration	9-12 September 2021
2.	Teaching starts	21.08.2021
3.	Minor Tests I & 11	During scheduled class with prior information to the students
4.	Submission of Proposal of Innovative Work* to the concerned faculty for MTE component for courses having ETE	18.09.2021
5.	Class Test - I & Practical test - I	Between
	(During any scheduled class with prior	18.09.2021 &
	information to the Students)	26.09.2021
	information to the Students)	
6.	lst Review of Innovative Work *MTE components for courses having MTE Class Test – II & Practical test - II	16.10.2021
7.	Class Test – II & Practical test - II	Between
		23.10.2021 &
	(During any scheduled class with prior	31.10.2021
	information to the Students)	
8.	Submission & Evaluation of Innovative Work	20.11.2021
	*MTE component for courses having MTE	То
	component for courses having hare	21.11.2021
9.	Class Test - III	Between
		27.11.2021
	On any working day with prior information	&
	to the Students)	05.12.2021
10.	Teaching Ends	12.12.2021
11.	Online Submission of Marks of All Components of Evaluation	17.12.2021



- Innovative Work in the form of Small Project, Startup Idea, Collaborative **Projects**, **Automation**, Simulation, Case Study, Solutions to Real Time Social, Economic and **Technical** problems etc. (Group of maximum 2 students).
- * MTE Components (Any one of the following to be decided by the faculty):
- 1. Innovative Work in the form of Small Project, Startup Idea, Collaborative Projects, Automation, Simulation, Case study, Solutions to Real time social, economic and technical problems etc. (group of maximum 2 students)
- 2. Poster Presentation based on research papers
- 3. Annotated Bibliography
- 4. Graphical Abstract/ Audio-Visual Content of Respective Course
- 5. Writing Review Report of Research Papers (Minimum 4-5 Papers)

Decision: The Academic Council may consider and approve the Academic Calendars of MBA and MBA (Executive) Odd Semester, 2021-22 in Delhi School of Management of the University.



Agenda 30.26 : Matter for Ratification:

i. Restoration of admission of Mr. Vivek Patwal in B.Tech (IT) programme 2019-20 batch.

Mr. Vivek Patwal, Regn. No. 2K19/B5/28 took admission in B. Tech. (IT) in AY 2019-20. Due to depression, anxiety and nervousness he could not attend/complete classes further for 1st and 2nd year and did not inform the parents till 10 Aug 2021. Due to Zero Attendance the admission of above mentioned student was cancelled vide our notice F.No. 105(699)DTU/Acad-UG/Zero attendance/2019-20/8294-8392 dated 17/7/2020 and filled the seat through lateral entry.

Parents alongwith Mr. Vivek Patwal (2K19/B5/28) has submitted application requesting for resumption for his admission and grant permission to re- register in 1st semester 2021 to complete B. Tech. (IT) course. The Hon'ble Vice Chancellor has considered his case sympathetically and approved for restoration.

Decision:

The Academic Council ratified the above action taken regarding restoration of admission of Mr. Vivek Patwal in B.Tech (IT) programme 2019-20 batch.

Agenda 30.27 : Any other item with the permission of the Chair.

Supplementary : Agenda 30.28

Approval for BBA and BA (H) Economics Program Academic

Calendar - ODD Semester, Academic year 2021-22.

It was submitted to the Academic Council that Head, USME proposed the academic calendar for BBA and BA (H) Economics Program – Odd Semester for the academic year 2021-22. The details are as under:

S.No.	Assessment Activity	Date
15.	Commencement of Teaching	1 st November 2021
16.	Minor test I &II	On any working day
17	Submission of Proposal of Innovative Project to the concerned faculty for MTE component for courses having ETE	6 th December-10 th December 2021
18.	Submission of Proposal of Innovative Practical Work to the concerned faculty for PRS component for courses having PRE	
19.	Class Test - I & Practical Test – I With prior information to students	Between 13 th December -17 th December 2021 Online Submission of Marks: 24 th December 2021
20.	Review of Innovative Work for MTE components for courses having MTE	28 th December 2021
21.	Review of Innovative Practical Work for PRS components for courses having PRE	
22.	Class Test – II & Practical Test – II With prior information to students	Between 3 rd January – 7 th January 2022 Online Submission of Marks: 14 th January 2022
23.	Submission & Evaluation of Innovative Work for MTE component for courses having MTE	21st January 2022
24.	Submission & Evaluation of Innovative Practical Work" for PRS component for courses having PRE	
25.	Class Test - III & Practical Test - III With prior information to students	Between 31st January to 4th February 2022 Online Submission of marks: 10th February 2022
26.	End of teaching for the Session	8 th February 2022
27.	Online Submission of Marks of All Components of Evaluation	15 February 2022
28.	Online Submission of Grades - Examination Branch (Course Coordinators)	20 th February 2022
	Holidays as per DTU notification	04/11/2021, 19/11/2021, 25/12/2021, 26/01/2022

Decision: The Academic Council considered and approved the proposed Academic Calendar of BBA and BA (H) Economics Program Academic Calendar - ODD Semester, Academic year 2021-22.

The meeting ended with a vote of thanks to all the members and special invitees.

(Prof. Madhusudan Singh) Registrar

Copy to:

- 1. Pr. Secretary to Hon'ble Lt. Governor (Delhi), 6, Raj Niwas, Civil Lines, Delhi.
- 2. PA to V.C. for kind information of the Vice Chancellor, DTU.
- 3. All Deans, DTU.
- 4. Prof. J.P. Saini, Vice Chancellor, Netaji Subhash University of Technology, Sector 3, Dwarka, Delhi 110078
- 5. Prof. Neharika Vohra, Vice Chancellor, Delhi Skill & Entrepreneurship University, Dwarka, Delhi.
- 6. Prof. D.P. Goyal, Director, Indian Institute of Management, Shilong.
- 7. Prof. B.R. Chahar, Professor, Civil Engineering, Indian Institute of Technology, Delhi
- 8. Prof. Bhim Singh, Electrical Engineering Department, Indian Institute of Technology, Delhi
- 9. Sh. Rajesh Mathur, C-2/27, Mangal Apartment, 16, Vasundhara Enclave, Delhi 110096.
- 10. All Heads of Department, DTU.
- 11. Prof. Reeta Wattal, Professor, Mechanical Engineering Department
- 12. Prof. V.K. Minocha, Professor, Civil Engineering Department
- 13. Sh. Rajesh Birok., Associate Professor, Electronics and Communication
- 14. Dr. M. Jayasimhadri, Assistant Prof., Applied Physics Department.
- 15. Controller of Examinations.
- 16. Registrar, DTU

(Prof. Madhusudan Singh)

Registrar