

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

ACADEMIC COUNCIL MEETING

No.	AC/028/NOVEMBER/2017	VENUE	RAUNAQ HALL (1 st FLOOR) PHD HOUSE, 4/2 SIRI INSTITUTIONAL AREA AUGUST KRANTI MARG NEW DELHI 110016
Date:	SATURDAY, 11 NOVEMBER 2017	TIME	10:30 AM

MINUTES

[Extract from Approved Minute of Academic Council Meeting held on November 2017]

Item 28.6: CONSIDER & APPROVE INTRODUCTION OF PROPOSED NEW PROGRAMMES TO BE OFFERED FROM THE **ACADEMIC SESSION 2018**

For **School of Computer Science**, a detailed presentation was made by Director, Dr. Maneesh Prateek about the new introduction of B.Tech (CSE) with specialization in Artificial Intelligence and Machine Learning programs in collaboration with IBM (**Annexure 28.6.1**), which was duly approved by the Council.

For **School of Design**, a detailed presentation was made by Dr. S. Ghoshal, Director on the proliferation of existing Digital Design program into three different Specializations as Communications & Media Design – Graphics; Communications & Media Design - Animation & VFX and Communications & Media Design – Interaction Design and a new program on Interior & Retail Spaces (**Annexure 28.6.2**)

While **approving** the same **suggested the following**:

- Once the programs have been launched, we should give it a gestation period before any changes are proposed.
- Vehicle Design should be replaced by Transportation Design which has broader connotation.
- Emphasized that the knowledge of graphics be imparted to all design students.

For **School of Business**, Director, Dr. D. N. Pandey made a brief presentation on the introduction of new program "BBA Power Management" (**Annexure 28.6.3**). While **approving**, suggested to include a module on "**Contract Management**"

With regard to introduction of MA Public Policy, it was informed that the said program is not being launched this year.

The Council further approved minor changes in the existing undergraduate & postgraduate programs of School of Business as under:

Program	Semester	Changes
BBA Foreign Trade	Program Elective	Added a module on "Micro, Small & Medium Enterprises" instead of "Introduction to Mergers & Acquisitions"
BBA e-Business	VI	Removed – Fundamentals of Start-ups
BA Economics	VI	Added Open Electives II



Program	Semester	Changes
BBA General	II	Added a module on "Operations & Materials Management" instead of "Introduction to Operations Management"
BBA Foreign Trade	VI	Added- Essentials of Strategic Management

For **School of Law**, a detailed presentation was made by Director, Dr. Tabrez Ahmad for the following proposed new academic programs and changes in existing programs (**Annexure 28.6.4**) as under:

New Programs

1. B.Sc, LLB Hons with specialization in IPR/Food, Health & Environmental Law/ Medical and Forensic Law
2. B.Com LL.B (Hons.) Media & Entertainment Law

Existing Programs

3. BA. LL.B (Hons.) Constitutional Law – Specialization Hons

After deliberations, the **Council approved** the new programs for School of Law effective Session 2018 and the modification in the existing program from Academic Session 2017.

Members further opined that UPES should encourage its students to register for online course under MOOC or SWAYAM from good institutions like IITs, NITs and IIM and we should develop a policy for credit transfer of such courses.



ACADEMIC COUNCIL MEETING

NO.	AC/029/MAY/2018	VENUE:	RAUNAQ HALL (1 ST FLOOR) PHD HOUSE, 4/2 SIRI INSTITUTIONAL AREA AUGUST KRANTI MARG NEW DELHI 110 016
DATE:	SATURDAY, 19 MAY 2018	TIME:	10.30 A.M.

Extract of Minutes

[Extract from Approved Minute of Academic Council Meeting held on 19 May 2018]

ITEM 29.4: CONSIDER AND APPROVE RECOMMENDATION OF BOARD OF STUDIES ON REVISION IN CURRICULUM OF EXISTING AND NEW PROGRAMMES AND THE CERTIFICATION COURSES FROM IIT-BOMBAY (SPOKEN TUTORIALS) WITH EFFECTIVE FROM **ACADEMIC SESSION 2018-19**

A brief presentation was made by respective School Head on the modifications on the curricular structure and syllabi as recommended by the respective Boards of Studies in all its existing programs and new programs offered by School of Engineering, School of Computer Science, School of Design, School of Business and School of Law effective from Academic Session 2018-19.

School of Engineering

Dr. Suresh Kumar made a brief presentation on the B.Tech Programs being offered by the School of Engineering. He informed that the changes in Engineering programs are in line with **AICTE guidelines** as this will bring in consistency all the Programs being offered at the Under-Graduate level by the School of Engineering.

S. No.	Category	Courses	AICTE Recommendation	Credits
1	BSC	Mathematics, Physics, Chemistry, Biology	25	27
2	ESC	Basic Electrical Engineering, Basic Electronics Engineering, Engineering Mechanics, Workshop Practices, Engineering Graphics, Programming for Problem Solving etc.	24	28
3	HSMC	Design Thinking, English, Presentation Skills, Venture Ideation, Human Values & Ethics etc.	12	17
4	PCC	Professional Core Courses as mentioned in grid (Lab courses are also PCC)	48	55
5	PEC	Professional Elective Courses as mentioned in grid	18	12
6	OEC	Open Elective Courses to be chosen from OEC basket	18	12
7	PROJ	Community Service, Internship, Project	15	16
8	MC	Indian Constitution, Environmental Sciences, Induction Training, Essence of Indian Traditional Knowledge	-	-
Total Credits			160	167

The list of the programs, Department wise where the above revision will be carried out are as under:



Department of Petroleum Engineering & Earth Sciences
B.Tech (Applied Petroleum Engineering with Specialization in Upstream)
B.Tech (Geo Science Engineering)
B.Tech (Geo Informatics Engineering)
Department of Chemical Engineering
B.Tech (Applied Petroleum Engineering with Specialization in Gas Stream)
B.Tech (Chemical Engineering with Specialization in Refining & Petrochemicals)
Department of Mechanical Engineering
B.Tech (Mechanical Engineering)
B.Tech (Automotive Design Engineering)
B.Tech (Mechatronics Engineering)
Department of Aerospace Engineering
B.Tech (Aerospace Engineering)
B.Tech (Aerospace Engineering with Specialization in Avionics)
Department of Electrical & Electronics Engineering
B. Tech (Electronics Engineering)
B.Tech (Electrical Engineering)
Department of Civil & HSE
B.Tech (Civil Engineering with Specialization in Infrastructure Development)
B.Tech (Fire & Safety Engineering)

With regard to M.Tech Program on Computational Fluid Dynamics, it was informed that in line with other M.Tech programs UPES proposed to offer theory courses in first and second semester and Project work in third and fourth semester thereby reducing the total credit to 72 from the existing 80 credits.

The council was informed about the initiatives for the certification courses in association with “Spoken Tutorials” from IIT Bombay, which will help the students to enhance their knowledge in open source software tools that are commonly used in industries. After due deliberations, the council appreciated and approved the initiative and also advised to consider them also as part of value added courses similar to other certification courses like NPTEL courses, courses in association with CISCO and ICME. (**Appendix 1**).

After deliberation, the Council gave its approval and suggested that presentation skills be made mandatory for all students across all Schools and also make them attend invited lecture.

School of Computer Science

Dr. Manish Prateek, Director, School of Computer Science made a brief presentation highlighting the changes carried out in line with the **AICTE model grid**. The curriculum will now have a total of 180 credits with major and minor specializations. He further informed the Council that effective Academic Session 2018 the School proposes to offer Honours Degree to all its graduates. Accordingly, the nomenclature of the programs being offered by School of Computer Science will stand revised as B.Tech (Honours) Computer Science & Engineering with specialization as given below:

B. Tech (Hons) CSE with Specialization in	
(in collaboration with IBM)	(in collaboration with Xebia)
1. Open Source & Open Standards	14. DevOps
2. Cloud Computing & Virtualization	15. Big Data
3. Mainframe Technology	
4. Oil & Gas Informatics	
5. Artificial Intelligence and Machine Learning	
6. Business Analytics & Optimization	
7. E-Commerce	
8. IT Infrastructure Management	



9. Banking, Finance and Insurance Services	
10. Cyber Security & Forensics	
11. Graphics & Gaming	
12. Internet of Things	
13. Mobile Computing	

The Council after reviewing the grid, gave its approval with the following suggestion

1. Summer Excitement week of IBM to be made mandatory in 1st & 2nd Year and make internship a Credit Course.
2. Two badges for Major and Minor Specialization to be provided based on the skills set gained under IBM run programs

School of Design

Dr. Manas Ranjan Mishra, Acting Director, School of Design made a brief presentation highlighting the changes carried out in the following programs effective Academic Session 2018.

Master of Design

- 1) Transportation Design
- 2) Industrial Design
- 3) Interaction Design

Bachelor of Design (Curricular Structure of New Programs effective from 2018)

- 1) Transportation & Mobility Design
- 2) Industrial & Product Design
- 3) Interior & Retail Space Design
- 4) Communication & Media Design with specialization in
 - a. Graphics
 - b. Animation & VFX
 - c. Interaction Design

The Council after reviewing and approving the program structure suggested the following:

- Develop relationship with other academic institutions for Joint Project either inter-University or other Institutions such as NID, etc.

The changes carried out are as under:

Foundation: Semester 1 and Semester 2

- Common for all B. Des programs
- Total 52 credits (26 each)
- Mostly deals with Design Sensitisation and Skill Building

2nd Year: Semester 3 and Semester 4

- The program specific subjects
- Total 52 credits (26 each)
- Mostly deals with Design Knowledge and Skill Application

3rd Year: Semester 5 and Semester 6

- Program Specific and Interdisciplinary Projects
- Total 52 credits (26 each)
- Mostly deals with Design Analysis and System Design Approach
- Summer Internship after 6th Semester

Final Year: Semester 7 and Semester 8

- Design Evaluation and Creating New Design Solution
- Total 54 credits (26 + 28)
- Industry Project in 8th Semester



School of Business

The major and minor changes including the addition and deletion of courses, Credit change and transfer of course from one semester to other of both at UG and PG level as proposed by the Board of Studies in its meeting held on 13 April 2018 was approved by the Council.

- All MBA Programs are revised as per the requirement of Bombay Stock Exchange (BSE) with which the functional MOU has been done recently.
- BBA(Oil & Gas Marketing)
- BA (Hons) (Economics) with Specialization in Energy Economics
- BBA (Accounting & Information Systems)
- BBA (Human Resource/Marketing/Finance/Operations Management)
- BBA (Logistics Management)
- BBA (Foreign Trade)
- BBA (E-Business)
- MA (Economics) with Specialization in Energy Economics

School of Law

Dr. Tabrez Ahmad, Director, School of Law informed the Members that since we have received approval from BCI at different times for different programs, the Board of Studies recommended to streamline the process for consistency, specific reference to the BCI mandatory courses. Made a brief presentation of the changes carried out in the following Honors programs in line with the BCI Guidelines. He informed the Council that the changes will be effective Academic Session 2018.

B.A., LL.B. (Hons.) Energy Laws / Criminal/ Labour/ Constitutional Laws	B.Com. LL.B. (Hons.) Taxation/ Media & Entertainment Laws
	B.Tech (CSE), LL.B. (Hons.) with Cyber Laws / IPR
B.B.A., LL.B. (Hons.) Corporate Laws / Banking, Insurance and Finance / International Trade and Investment Laws	B.Sc., LL.B. (Hons.) with Specialization in Intellectual Property Rights/Food, Health and Environment Law/Medical and Forensic Law
	LL.M. (Energy Law/International Economic Law/Business Law/Law & Technology

The Council after reviewing the grid, noted that the presentations were based on addition/deletion/shifting of courses for load balancing and introduction of new programs. The Council approved the same for implementation.

