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PROCEEDINGS OF THE  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Andhra Pradesh Legislative Act No. 30 of 2008)  
Kukatpally, Hyderabad – 500 085 – Telangana- INDIA.

Procds No. A1/2557/XX SCAS/2015

Date : 09.10.2015

Sub:- JNTUH, Hyderabad – Academic & Planning – R15 PG Academic Regulations, Course Structure and Syllabi for all the PG programs offered by the University from the Academic Year 2015-16- Orders – Issued.

Read: 1 Resolution approved under item No.01 in the Minutes of the Meeting of the XX Standing Committee of the Academic Senate held on 10.09.2015.

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ORDER:

The University Grants Commission (UGC) has proposed Choice Based Credit System (CBCS) to be adopted by all the Universities in the country. This ensures mobility of students across all the higher educational institutions of the country as well as abroad since credits earned by the students seeking migration from one institution to another can be transferred.

Based on the UGC proposal, the University has constituted Committees to consider the UGC proposed Choice Based Credit System (CBCS) to be adopted by the University.

The Committees recommended implementation of CBCS for all the UG and PG programs from the Academic year 2015-16 in all the UGC Autonomous Constituent and Affiliated Colleges/ Institutions of JNTUH. The University has also decided to implement Choice Based Credit System for PG Programs offered in all the Non- Autonomous Constituent and Affiliated Colleges of JNTUH from the academic year 2015-16 onwards.

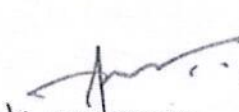
In the meeting of the Chairpersons of the Joint Boards of Studies, PG Academic Regulations were finalized based on the Choice Based Credit System. Based on the recommendations, the same was placed in the 'XX' meeting of the Standing Committee of the Academic Senate. The Senate was approved the same.

Under the circumstances stated above, the Vice-Chancellor is pleased to approve the **R15 PG Academic Regulations, Course Structure and Syllabi for all the PG programs offered by the University from the Academic Year 2015-16** and changed the nomenclature of Mechanical Engineering (Production) as Mechanical Engineering (Manufacturing) including redistribution of

  
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courses between Mechanical Engineering Boards as detailed below, subject to ratification by the Executive Council:

ME	Energy Systems Engineering Design Heating Ventilation & Air Conditioning Machine Design Power Plant Engineering & Energy Management Thermal Engineering.
ME (Manufacturing)	Advanced Manufacturing Systems Automation CAD/CAM Design for Manufacturing/ Design and Manufacturing Industrial Engineering and Management Production Engineering

 9/10/15  
REGISTRAR

To  
The Principals of all the Constituent and Affiliated Colleges of JNTUH, Hyderabad.  
The Director of Evaluation and Controller of Examinations, JNTUH, Hyderabad.  
Copy to PA to VC/Rector/Registrar.

  
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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

(Government Gazette Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana (India)

**BN Bhandari**

Ph. D (IIT, Kgp.)

**Professor of Elect. & Commn. Engg., &  
Director,  
Academic & Planning**

Date : 29.07.2016

To

The Principals of Constituent and Affiliated Colleges (Non-Autonomous) of JNTUH, Hyderabad.

Sir,

Sub: JNT University Hyderabad – Academic & Planning – 1 year Course Structure of B.Tech. /B.Pharm Courses for the Academic Year 2016-17.

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You are aware that JNTU, Hyderabad is implementing Choice Based Credit System (CBCS) for B.Tech./B.Pharm courses from the academic year 2016-17, as per the guidelines of UGC.

In this connection, it is to inform you that CBCS is a semester system including 1 year. B.Tech. / B.Pharm Courses. The 1 year Course Structure for the Academic Year 2016-17 is enclosed. The Academic Regulations and Syllabi will be placed in the website shortly.

Yours faithfully,

  
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ENGINEERING AND TECHNOLOGY**

Plot & Mid: Abidullapurmet, P. R. Dist: J.

  
**DIRECTOR**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B.TECH COURSE STRUCTURE (2016-17)**  
(Common for EEE, ECE, CSE, EIE, BME, IT, ETE, ECM, ICE)

**I YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	CH102BS	Engineering Chemistry	4	0	0	4
3	PH103BS	Engineering Physics-I	3	0	0	3
4	PCE104HS	Professional Communication in English	3	0	0	3
5	ME105ES	Engineering Mechanics	3	0	0	3
6	EE106ES	Basic Electrical and Electronics Engineering	4	0	0	4
7	PCE107HS	English Language Communication Skills Lab	0	0	3	2
8	ME108ES	Engineering Workshop	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>20</b>	<b>1</b>	<b>6</b>	<b>24</b>

**I YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Engineering Physics-II	3	0	0	3
2	MA202BS	Mathematics-II	4	1	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	CS204ES	Computer Programming in C	3	0	0	3
5	ME205ES	Engineering Graphics	2	0	4	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PH207BS	Engineering Physics Lab	0	0	3	2
8	CS208ES	Computer Programming in C Lab	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>16</b>	<b>2</b>	<b>13</b>	<b>24</b>

\*MC – Mandatory Course.

  
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**B.TECH. COURSE STRUCTURE (2016-17)**

(Common for Civil, ME, AE, ME (M), MME, AU, Mining, Petroleum, CEE, ME(Nanotech))

**I YEAR I SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	MA101BS	Mathematics-I	3	1	0	3
2	MA102BS	Mathematics-II	4	1	0	4
3	PH103BS	Engineering Physics	3	0	0	3
4	CS104 ES	Computer Programming in C	3	0	0	3
5	ME105 ES	Engineering Mechanics	3	0	0	3
6	ME106 ES	Engineering Graphics	2	0	4	4
7	PH107 BS	Engineering Physics Lab	0	0	3	2
8	CS108 ES	Computer Programming in C Lab	0	0	3	2
9	*EA109MC	NSS	0	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>24</b>

**I YEAR II SEMESTER**

S. No	Course Code	Course Title	L	T	P	Credits
1	PH201BS	Applied Physics	3	0	0	3
2	CH202BS	Engineering Chemistry	4	0	0	4
3	MA203BS	Mathematics-III	4	1	0	4
4	PCE204HS	Professional Communication in English	3	0	0	3
5	EE205ES	Basic Electrical & Electronics Engineering	4	0	0	4
6	CH206BS	Engineering Chemistry Lab	0	0	3	2
7	PCE207HS	English Language Communication Skills Lab	0	0	3	2
8	ME208ES	Engineering Workshop	0	0	3	2
9	*EA209MC	NCC/NSO	0	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>1</b>	<b>9</b>	<b>24</b>

\*MC – Mandatory Course.

  
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**B. PHARMACY COURSE STRUCTURE (2016-17)**

**I YEAR I SEMESTER**

S. No	Course Code	Subject	L	T	P	Credits
1	BS101/ BS102	Remedial Mathematics / Remedial Biology - I	4/ 2	1/ 1	0	4/ 2
2	PS103	Dispensing and General Pharmacy	4	1	0	4
3	PS104	Anatomy, Physiology and Health Education-I	3	1	0	3
4	BS105	Pharmaceutical Organic Chemistry – I	4	1	0	4
5	HS106	Professional Communication in English	3	0	0	3
6	PS107	Dispensing and General Pharmacy Lab	0	0	3	2
7	PS108	Anatomy, Physiology and Health Education – I Lab	0	0	3	2
8	PS109	Pharmaceutical Organic Chemistry – I Lab	0	0	3	2
9	BS110	Remedial Biology - I Lab	0	0	3	2
10	*MC111	NSS	0	0	0	0
		<b>Total Credits</b>	<b>18/16</b>	<b>4/4</b>	<b>12</b>	<b>24/24</b>

**I YEAR II SEMESTER**

S. No	Course Code	Subject	L	T	P	Credits
1	BS201	Pharmaceutical Inorganic Chemistry	3	1	0	3
2	BS202	Pharmaceutical Organic Chemistry – II	4	1	0	4
3	PS203	Physical Pharmacy - I	4	1	0	4
4	BS204	Statistical Methods and Computer applications	3	1	0	3
5	PS205	Anatomy, Physiology and Health Education -II	4	1	0	4
6	BS206	Pharmaceutical Inorganic Chemistry Lab	0	0	3	2
7	BS207	Statistical Methods and Computer applications Lab	0	0	3	2
8	PS208	Physical Pharmacy – I Lab	0	0	3	2
9	*MC 209	Physical Education	0	0	0	0
		<b>Total Credits</b>	<b>18</b>	<b>5</b>	<b>9</b>	<b>24</b>

Note: Bi.P.C Students to choose Remedial Mathematics (Theory) [4-1-0-4].

M.P.C Students to choose Remedial Biology (Theory & Lab) [2-1-0-2 & 0-0-3-2]

\*MC – Mandatory Course

  
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(Established by an Act No.30 of 2008 of A.P. State Legislature)

Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

**R 15 - ACADEMIC REGULATIONS (CBCS) FOR M. Tech. (REGULAR) DEGREE PROGRAMMES**

Applicable for the students of M. Tech. (Regular) programme from the Academic Year **2015-16** and onwards

The M. Tech. Degree of Jawaharlal Nehru Technological University Hyderabad shall be conferred on candidates who are admitted to the programme and who fulfill all the requirements for the award of the Degree.

**1.0 ELIGIBILITY FOR ADMISSIONS**

Admission to the above programme shall be made subject to eligibility, qualification and specialization as prescribed by the University from time to time.

Admissions shall be made on the basis of merit/rank obtained by the candidates at the qualifying Entrance Test conducted by the University or on the basis of any other order of merit as approved by the University, subject to reservations as laid down by the Govt. from time to time.

**2.0 AWARD OF M. Tech. DEGREE**

2.1 A student shall be declared eligible for the award of the M. Tech. Degree, if he pursues a course of study in not less than two and not more than four academic years. However, he is permitted to write the examinations for two more years after four academic years of course work, failing which he shall forfeit his seat in M. Tech. programme.

2.2 The student shall register for all 88 credits and secure all the 88 credits.

2.3 The minimum instruction days in each semester are 90.

**3.0 COURSES OF STUDY**

The following specializations are offered at present for the M. Tech. programme of study.

1. Advanced Manufacturing Systems
2. Aerospace Engineering/ Aeronautical Engineering
3. Automation
4. Biomedical Signal Processing and Instrumentation
5. Bio-Technology
6. CAD/CAM
7. Chemical Engineering
8. Communication Systems
9. Computer Networks

  
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