#### NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL



MINUTES

#### OF

#### 45th SENATE MEETING

Date	•	05.07.2018 (Thursday)
Time	•	2.30 p.m. onwards
Venue	•	Senate Hall 'C' Block, LHC N.I.T.K., Surathkal MANGALURU PIN - 575 025.



#### NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL POST SRINIVASNAGAR, MANGALORE – 575 025

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#### Proceedings of the 45<sup>th</sup> Meeting of the Senate of N.I.T.K. Surathkal held on 05.07.2018 (Thursday) at 2.30PM at the Senate Hall, 'C' Block - LHC of N.I.T.K. Surathkal.

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#### MEMBERS PRESENT:

K. Umamaheshwar Rao			Chairman
N.C. Shivaprakash			External Member
M. B. Saidutta			Member
Aloysius Henry Sequeira			Member
Dwarakish G. S.			Member
Ananthanarayana V. S.			Member
Prasad Krishna			Member
S. M. Hegde			Member
A. Mahesha			Member
Lakshman Nandagiri			Member
Nagaraj M. K.			Member
Subba Rao			Member
Amba Shetty			Member
Hari Mahalingam			Member
G. Srinikethan			Member
Raj Mohan B			Member
Vidya Shetty K			Member
Denthaje Krishna Bhat			Member
A Chitharanjan Hegde			Member
A. Nityananda Shetty			Member
A.Vasudeva Adhikari			Member
Badekai Ramachandra Bhat			Member
Arun Mohan Isloor			Member
Varghese George			Member
K S Babu Narayan		*******	Member
K. Swaminathan			Member
M. C. Narasimhan			Member
S. Shrihari			Member

National	Institute	of Technology	, Karnataka,	Surathkal
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Subhash C. Yaragal P. Santhi Thilagam T Laxminidhi U. Shripathi Acharya M. S. Bhat Muralidhar Kulkarni Sumam David S. B. Venkatesa Perumal K Panduranga Vittal Shubhanga K N Gururaj S Punekar G. Ram Mohana Reddy B. R. Shankar Shyam S Kamath Santhosh George Murulidhar N. N. Narendranath S. G. C. Mohan Kumar Gangadharana K. V. H. Suresh Hebbar Shrikantha S Rao Vijay H. Desai S. M. Murigendrappa Anandhan Srinivasan Udaya Bhat K A. O. Surendranathan Jagannath Nayak K. Narayan Prabhu K. Rajendra Udupa M. Govinda Raj M. N. Satyanarayan H. D. Shashikala Kasturi V Bangera K. B. Kiran P. G. Mohanan, System Manager-CCC Mallikarjun Angadi, Librarian K. Ravindranath, Registrar

Member Member

45<sup>th</sup> Senate Meeting dated 05.07.2018

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Secretary

#### Preamble:

At the outset of the meeting Chairman welcomed all the members to the 45<sup>th</sup> Senate Meeting.

After a brief discussion, with the permission of the Chair, the Secretary Senate, began the deliberations on the Agenda Items.

#### Item No. 45.1: CONFIRMATION OF MINUTES OF THE 44<sup>th</sup> MEETING OF THE SENATE HELD ON JANUARY 24, 2018.

The Senate resolved to confirm the minutes of the 44<sup>th</sup> Senate Meeting.

#### Item No. 45.2: TO CONSIDER THE REPORT ON ACTIONS TAKEN ON THE MINUTES OF 44<sup>th</sup> SENATE MEETING HELD ON JANUARY 24, 2018.

The actions taken on the minutes of the 45<sup>th</sup> Senate meeting were noted.

# Item No. 45.3: ITEMS PLACED BEFORE THE 45<sup>th</sup> SENATE MEETING HELD ON THURSDAY, JULY 05, 2018.

**Discussion and Decision Items:** 

Item No. 45.3.1: To consider the Academic Calendar of the First year programmes for the academic year 2018-19 (Odd Semester) – Reg.

The Senate resolved to approve the Academic Calendar proposed for the First year programmes for the academic year 2018-19 (Odd Semester).

Item No. 45.3.2: To consider the Participation in CCMN 2018 for admission to M.Sc. programmes from the academic year 2018-19 – Reg.

The Senate noted the change in policy for admission to M.Sc. programmes from the academic year 2018-19.

Item No. 45.3.3: To consider the Nomination of one faculty from Senate to the BoG as per NIT Act 2007 – Reg.

The Senate resolved that Dr. Uday Bhat K., Department of Metallurgical and Materials Engineering can be retained as BoG Member till the completion of his tenure as per Section 11 of NIT Act 2007 subject to his willingness for continuation.

Item No.45.3.4: To consider the Agenda items discussed in the 32<sup>nd</sup> Board of Studies meeting held on June 08, 2018 – Reg.

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ITEM No: 32-BOS - 1: Modification in B. Tech Regulations- Admission

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Resolution	Resolution of the Senate		
The BoS resolved to recommend the Regulations of B. Tech Degree Prograr year 2018-19.	The Senate resolved to approve th recommendations of BoS for modification in the section 2.1 of th Regulations specific to B.Tech. Degree		
Existing	Proposed	Programme of UG Curriculum to effective from the academic year 201	
2.1 (a) Admission to NITK, Surathkal	2.1 (a) Admission to NITK, Surathkal	19.	
will be made in accordance with the	will be made in accordance with the	Theylogia AND Reside	
instructions received from MHRD	instructions received from MHRD		
from time to time. Seats are reserved	from time to time. Seats are	. ž.i – oli mat	
for candidates belonging to	reserved for candidates belonging to		
Scheduled Castes and Scheduled	Scheduled Castes and Scheduled		
Tribes, Other Backward Classes	Tribes, Other Backward Classes	hidenada" mar ar 1	
(OBC), Persons with Disability,	(OBC), Persons with Disability and		
children of defence personnel and	other categories as per the	g i Dan egi nega	
other categories as per the guidelines	guidelines issued by MHRD.		
issued by MHRD.			

ITEM No: 32-BOS - 2: Modification in B. Tech Regulations - Course Structure

odification in the section 3 of the e to be effective from the academic	The Senate resolved to approve the recommendations of BoS for modification in Section 3.1: Course
	Structure of the Regulations specific to B.Tech Degree Programme of UG Curriculum to be effective from the
ndanalitin. Museum u ween	academic year 2018-19.
Degree Programme will typically	ST-e.v
The second participation of the	Sala and and a star
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he following:	
Coloradory too-over selection of	Prela Dilawith for and
ESC),	angelin - S pessare
Courses (HSC)	
PC ≥ 60 Credits	finess star sets and
ELE ≥ 40 Credits	
following:	

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Programme Specific Electives (F	'SE)	inida mont
Open Electives (OE)	interesting to the second s	
(d) Project (Mini Projects and Major	Project) MP 8 - 12 Credits	CONTRACTOR CONTRACTOR
(e) Mandatory Learning Courses	MLC 5 Credits	
The Minimum Credit Requirement	for the B. Tech Degree is 170 to 180.	and the set of the set
Proposed	nsing basi	spanian and the bol
3.1 The total course package for a B	.Tech Degree Programme will typically	ing and a second second second
consist of the Following components.		
(a) Foundation Courses	FC 38 – 50 Credits	
A Foundation Course can be any of	the following:	brain. In other Life
Basic Science Core Courses (E	3SC),	thing, manorigen r
Engineering Science Core Cour	ses (ESC),	of a second second
Humanities and Social Science	Core Courses (HSC)	and to summer it is
(b) Programme Core Courses	PC $\geq$ 60 Credits	Server South Assessed
(c) Elective Courses	ELE ≥ 20 Credits	and a second
An Elective Course can be any c	of the following:	The second instance of the second
Programme Specific Electives (F	'SE)	a standard and stand
Certified MOOCs (NPTEL/SWA)		
Mini Projects.		
(d) Project (Major Project) MP	4 - 6 Credits	
(e) Mandatory Learning Courses	MLC 5 Credits	from and more from the
(e) Mandatory Learning Courses The Minimum Credit Requirement	MLC 5 Credits	
	MLC 5 Credits for the B.Tech Degree is 150 to 160.	The Senate resolved to approve t
The Minimum Credit Requirement		The Senate resolved to approve to recommendations of BoS
The Minimum Credit Requirement b. Course Structure (3.2)	for the B.Tech Degree is 150 to 160.	
The Minimum Credit Requirement b. Course Structure (3.2) Existing	for the B.Tech Degree is 150 to 160. Proposed	recommendations of BoS
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to	recommendations of BoS modification in Section 3.2 of t
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses	recommendations of BoS modification in Section 3.2 of t Regulations specific to B.Te
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of t Regulations specific to B.Te Degree Programme of UG Curriculu
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under the open elective category and	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye
Existing         3.2 Open electives offered by any parent department are courses         listed in the course structure under the open elective category and offered to students of any	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under the open elective category and offered to students of any department including the parent department. The students of a	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under the open elective category and offered to students of any department including the parent department. The students of a particular programme have to	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under the open elective category and offered to students of any department including the parent department. The students of a particular programme have to complete the total credits required	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye
The Minimum Credit Requirement b. Course Structure (3.2) Existing 3.2 Open electives offered by any parent department are courses listed in the course structure under the open elective category and offered to students of any department including the parent department. The students of a particular programme have to	for the B.Tech Degree is 150 to 160. Proposed 3.2 The students have the option to register for certified MOOC courses (NPTEL/SWAYAM etc.) limited to 5	recommendations of BoS modification in Section 3.2 of the Regulations specific to B.Te Degree Programme of UG Curricula to be effective from the academic ye

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Specific Elective (PSE) by registering for courses listed under the PSE category, for the remaining credits to be earned under the elective category, the students have the option to register for courses listed under the Open Elective (OE) category of other departments also

3.2 Project (MP)

Project work may consist of Major and Mini Project Projects (optional) offered by parent department. The Major Project is a course with 8 credits and can comprise of Part I and Part II, spread over 1 or 2 semesters of final year, preferably during 7th and 8th semesters. DUGC may prescribe Mini Project as a requirement for the B. Tech Degree or in lieu of equivalent elective credits. The method of evaluation for major and minor projects shall be evolved by pertinent DUGC and appropriate double-letter grade is awarded which will be considered for SGPA and CGPA calculation 3.2 (b) Professional Ethics and

Human Values: This is a 1 credit course, coordinated by Department of Humanities, Social Sciences and Management and the student is required to complete this course during 1st / 2nd semester 3.2 Project (MP)

Project work may consist of Major Project and Mini Projects (optional) offered by parent department. The Major Project is a course with 4-6 credits and can comprise of Part I and Part II, spread over 1 or 2 semesters of final year, preferably during 7th and 8th semesters. DUGC may prescribe Mini Project as a requirement for the B. Tech Degree or in lieu of equivalent elective credits. The method of evaluation for major and minor projects shall be evolved by pertinent DUGC and appropriate double-letter grade is awarded which will be considered for SGPA and CGPA calculation

3.2 (b) Professional Ethics and Human Values: This is a 1 credit course, coordinated by School of Management and the student is required to complete this course during 1st / 2nd semester The Senate resolved to approve the recommendations of BoS for modification in Section 3.2 Project (MP) of the Regulations specific to B.Tech Degree Programme of UG Curriculum to be effective from the academic year 2018-19.

The Senate resolved to approve the recommendations of BoS for modification in Section 3.2 (b) Professional Ethics and Human Values: of the Regulations specific to B.Tech Degree Programme of UG Curriculum to be effective from the academic year 2018-19.

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#### ITEM No: 32-BOS - 3: Modification in B. Tech Regulations- Degree Requirements

Resolution	Resolution of the Senate	
The BoS resolved to recommend the Regulations of B.Tech Degree Program year 2018-19.	The Senate resolved to approve the recommendations of BoS for	
Existing	Proposed	modification in Section 4: Degree
<ul> <li>4. DEGREE REQUIREMENTS: The degree requirements of a student for the B.Tech programme are as follows:</li> <li>(a) Institute Requirements:</li> <li>(i) Minimum Earned Credit Requirement for Degree is 170 to 180.</li> <li>(ii) Satisfactory completion of all Mandatory Learning Courses</li> <li>(iii) Completion of the requirements on Co-curricular and/or Extra- curricular activities</li> </ul>	<ul> <li>4. DEGREE REQUIREMENTS: The degree requirements of a student for the B.Tech programme are as follows:</li> <li>(a) Institute Requirements:</li> <li>(i) Minimum Earned Credit Requirement for Degree is 150 to 160.</li> <li>(ii) Satisfactory completion of all Mandatory Learning Courses</li> <li>(iii) Completion of the requirements on Co-curricular and/or Extracurricular activities</li> </ul>	Requirements of the Regulations specific to B.Tech Degree Programme of UG Curriculum to be effective from the academic year 2018-19.

#### ITEM No: 32-BOS - 4: Modification in B. Tech Regulations- Termination from the Programme

Resolution	Resolution of the BOS		
The BoS resolved to recommend the Regulations of B.Tech Degree Program year 2018-19.		The Senate resolved to approve the recommendations of BoS for modification in Section 5:	
Existing Proposed			
<ul> <li>5.Termination From The Programme:</li> <li>A student shall be required to leave the Institute without the award of the Degree, under the following circumstances:</li> <li>(a) If a student fails to earn the minimum credit specified below:</li> <li>Check Point Credit Threshold</li> </ul>	5.Termination From the Programme: A student shall be required to leave the Institute without the award of the Degree, under the following circumstances: (a) If a student fails to earn the minimum credit specified below: Check Point Credit Threshold	Termination from the Programme of the Regulations specific to B.Tech Degree Programme of UG Curriculum to be effective from the academic year 2018-19.	

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End of FIRST year 15	End of FIRST year 15	
End of SECOND year 40	End of SECOND year 40	
End of THIRD year 65	End of THIRD year 60	
End of FOURTH year 90	End of FOURTH year 80	

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ITEM No: 32-BOS - 5: Modification in B. Tech Regulations- Minor programme in B Tech

Resolution of the BOS	Resolution of the Senate
<ul> <li>The BoS resolved to recommend the introduction of Minors programme in B Tech with following provisions to be effective from the academic year 2018-19:</li> <li>a) A student in a particular discipline can take additional specified courses totaling 15 to 20 credits in other disciplines. If he/she gets a GPA of 6.0 in these courses, then it will find a mention in their grade cards and degree certificate.</li> <li>b) A student can opt for Minors in Third Semester and register for Minor Courses from Third to Eighth Semesters. Students who have cleared all the courses of first and second semester in first attempt and have obtained a CGPA of 6.0 and above are eligible to register for minor courses.</li> <li>c) Allotment of minor will be based on merit list prepared on the basis of CGPA at the end of second semester.</li> <li>d) In case a student does not get a CGPA of 6.0 in minor courses, then these courses can be counted towards their elective credit requirement.</li> </ul>	<ul> <li>The Senate resolved to approve the recommendations of BoS with the following modifications:</li> <li>a) A student in a particular discipline can take additional specified courses totaling 15 to 20 credits in other disciplines. If he/she gets a GPA of 7.0 in these courses, then it will find a mention in their grade cards and degree certificate.</li> <li>b) A student can opt for Minors in Third Semester and register for Minor Courses from Third to Eighth Semesters. Students who have cleared all the courses of first and second semester in first attempt and have obtained a CGPA of 7.0 and above are eligible to register for minor courses.</li> <li>c) Allotment of minor will be based on merit list prepared on the basis of CGPA at the end of second semester.</li> <li>d) In case a student does not get a CGPA of a constant of the course of the courses.</li> </ul>
stution of the BOC . Resolution of the Resolution of a	<b>7.0</b> in minor courses, then these courses can be counted towards their elective credit requirement.

#### ITEM No: 32-BOS - 6: Modification in B. Tech Regulations- Honors programme in B. Tech

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Resolution of the BOS	Resolution of the Senate
<ul> <li>The BoS resolved to recommend the introduction of Honors programme in</li> <li>B Tech with following provisions to be effective from the academic year</li> <li>2018-19: <ul> <li>a) A student in a particular discipline can take additional specified courses at postgraduate level in the same discipline totaling 15 to 20 credits. If he/she gets a GPA of 6.0 and above in these courses, then it will find a mention in their grade cards and degree certificate.</li> </ul></li></ul>	The Senate resolved to approve the recommendations of BoS for the introduction of Honors programme in B.Tech to be effective from the academic year 2018-19

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- b) A student can opt for Honors in Third Semester and register for Honors Courses from Fifth to Eighth Semesters. Students who have cleared all the courses of first and second semester in first attempt and have obtained a CGPA of 8.0 and above are eligible to register for Honors courses.
- c) In case a student does not get a GPA of 6.0 and above in Honors courses, he/she is not eligible to receive Honors degree. However, these courses may then be counted towards their elective requirement.

#### ITEM No: 32-BOS - 7: Revised Curriculum for First year B.Tech

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the revision in First year B Tech Curriculum to be effective from the academic year 2018-19. The revised curriculum for the First year B.Tech courses is enclosed as <i>Annexure -1, P. No. 1</i>	The Senate resolved to approve the recommendations of BoS for revision of curriculum for First year B Tech programme.
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#### ITEM No: 21-BOS - 8: Revised Curriculum for B.Tech programs

Resolution of the BOS	Resolution of the Senate	
The BoS resolved to recommend the revision in Curriculum for B Tech programme to be effective from 2018 B. Tech admissions	anig na navas crienti namene balkani Soli ort namene Soli ani Soli ort	
a) Chemical Engineering (CH) The BoS resolved to recommend the proposal of the DUGC of Department of Chemical Engineering for revision of curriculum structure and contents of B.Tech program in Chemical Engineering. The details are enclosed as <i>Annexure -2, P. No. 2-9.</i>	The Senate resolved to approve the recommendations of BoS the revision in B Tech Curriculum of Chemical Engineering from 2018-19 B Tech Admissions.	
b) <b>Civil Engineering (CV)</b> The BoS resolved to recommend the proposal of the DUGC of Department of Civil Engineering for revision of curriculum structure and contents of B.Tech program in Civil Engineering. The details are enclosed as <i>Annexure - 3, P. No.10-23.</i>	The Senate resolved to approve the recommendations of BoS the revision in B Tech Curriculum of Civil Engineering from 2018-19 B Tech Admissions.	

c) Computer Science and Engineering (CO)	The Senate resolved to approve the	
The BoS resolved to recommend the proposal of the DUGC of Department	recommendations of BoS the revision in E Tech Curriculum of Computer Science and	
of Computer Science and Engineering for revision of curriculum structure	Engineering from 2018-19 B Tech	
and contents of B.Tech program in Computer Science and Engineering.	Admissions.	
The details are enclosed as Annexure - 4, P. No.24-42.	26-() u da	
d) Electrical and Electronics Engineering (EE)	hingangka da tagan in tiping t	
The BoS resolved to recommend the proposal of the DUGC of Department	The Senate resolved to approve the	
of Electrical and Electronics Engineering for revision of curriculum structure	recommendations of BoS the revision in I Tech Curriculum of Electrical and	
and contents of B.Tech program in Electrical and Electronics Engineering.	Electronics Engineering from 2018-19	
The details are enclosed as Annexure -5, P. No.43-69.	Tech Admissions.	
e) Electronics and Communication Engineering (EC)	No. of the second s	
The BoS resolved to recommend the proposal of the DUGC of Department		
of Electronics and Communication Engineering for revision of curriculum	The Senate resolved to approve th	
structure and contents of B.Tech program in Electronics and	recommendations of BoS the revision in	
Communication Engineering. The details are enclosed as Annexure - 6,	Tech Curriculum of Electronics an Communication Engineering from 2018-1	
P. No.70-94.	B Tech Admissions.	
f) Information Technology (IT)	- Z Develop in the second second	
The BoS resolved to recommend the proposal of the DUGC of		
Department of Information Technology for revision of curriculum structure	The Senate resolved to approve the recommendations of BoS the revision in	
and contents of B.Tech program in Information Technology. The details are	Tech Curriculum of Information Technolog	
enclosed as Annexure - 7, P. No.95-113	from 2018-19 B Tech Admissions.	
g) Mechanical Engineering (ME)		
The BoS resolved to recommend the proposal of the DUGC of Department	The Canada received to approve th	
of Mechanical Engineering for revision of curriculum structure & contents	The Senate resolved to approve the recommendations of BoS the revision in	
of B.Tech. Program in Mechanical Engineering. The details are enclosed	Tech Curriculum of Mechanical Engineerin	
as Annexure - 8, P. No. 114-132.	from 2018-19 B Tech Admissions.	
h) Metallurgical and Materials Engineering (MT)	d paramati amanario	
The BoS resolved to recommend the proposal of the DUGC of Department	The Senate resolved to approve the	
of the Metallurgical and Materials Engineering for revision of curriculum	recommendations of BoS the revision in	
structure and contents of B.Tech program in Metallurgical and Materials	Tech Curriculum of Metallurgical ar Materials Engineering from 2018-19 B Tec	
Engineering. The details are enclosed as Annexure - 9, P. No.133-148.	Admissions.	
i) Mining Engineering (MN)	ini bilitan kuk bri	
The BoS resolved to recommend the proposal of the DUGC of Department	Capaques "of Links	
of Mining Engineering for revision of curriculum structure and contents of	The Senate resolved to approve the recommendations of BoS the revision in	
B. Tech program in Mining Engineering. The details are enclosed as	Tech Curriculum of Mining Engineering from	

Annexure -10, P. No. 149-151.	2018-19 B Tech Admissions.
j) Applied Mechanics & Hydraulics (AM)	
The BoS resolved to recommend the proposal of the DUGC of Department of Applied Mechanics & Hydraulics for revision of Curriculum and contents of Undergraduate courses. The details are enclosed as <i>Annexure - 11, P. No. 152-158.</i>	The Senate resolved to approve the recommendations of BoS the revision in Undergraduate Courses and contents of Department of Applied Mechanics and Hydraulics from 2018-19 B Tech Admissions.
k) Physics (PH)	
The BoS resolved to recommend the proposal of the DUGC of Department of Physics for revision of Curriculum of B.Tech programme. The details are enclosed as <i>Annexure - 12, P. No.159-161.</i>	The Senate resolved to approve the recommendations of BoS the revision in Undergraduate Courses and contents of Department of Physics from 2018-19 B Tech Admissions.
I) School of Management (HU)	terretaria de la constante de
The BoS resolved to recommend the proposal of the DUGC of	The Senate resolved to approve the recommendations of BoS the revision in
Department of the School of Management for revision of Curriculum of B.	Undergraduate Courses and contents of
Tech programme. The details are enclosed as <i>Annexure – 13, P. No.162-163.</i>	School of Management from 2018-19 I Tech Admissions.
m) Mathematical & Computational Sciences (MACS)	The Senate received to approve th
The DUGC of the Dept. of MACS has proposed the revised contents	The Senate resolved to approve the recommendations of BoS the revision in
which is enclosed as Annexure - 14, P. No.164-169.	Undergraduate Courses and contents of Mathematical and Computational Science from 2018-19 B Tech Admissions.
n) Chemistry (CH)	3 T T T A A A A A A A A A A A A A A A A
The BoS resolved to recommend the proposal of the DUGC of	The Senate resolved to approve the
Department of Chemistry for revision of Curriculum of B.Tech programme.	recommendations of BoS the revision in
The details are enclosed as Annexure - 15, P. No.170-175.	Undergraduate Courses and contents of Department of Chemistry from 2018-19 B Tech Admissions.

ITEM No: 32-BOS - 9: Modification in M. Tech Regulations- Admission

Resolution of the BOS	Resolution of the Senate	
Real Products (Party Control of States)	Charles in the	

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The Senate resolved to approve the Regulations of M.Tech Degree Programme to be effective from the academic recommendations of BoS for modification in Section 2.1 Student year 2019-20. Status of the Regulations specific to M.Tech Degree Programme of PG Proposed Existing Curriculum to be effective from the academic year 2018-19. 2.1 Student Status: There are six types 2.1 Student Status: There are of student status in the M.Tech. degree three types of student status in the M.Tech. degree Programme: Programme: (a) Full-time student on GATE-(a) Full-time student on GATE-Scholarship Scholarship (b) Full-time sponsored student on QIP (b) Full-time sponsored student on QIP (AICTE) (AICTE) (c) Full-time sponsored student (c) Full-time sponsored student from Organizations from Industry other Industry or other or including Educational Institutions Organizations including (d) Full-time, non-sponsored, non-**Educational Institutions** scholarship student (e) Internal Registrant - sponsored staff of NITK (f) Internal Registrant -Selected as teaching Assistant of NITK

# The BoS resolved to recommend the modification in the Section 2.1 of the

#### ITEM No: 32-BOS - 10: Modification in M. Tech Regulations - Course Structure

Resolution	Resolution of the Senate	
The BoS resolved to recommend the Regulations of M.Tech Degree Program year 2018-19.	n genetation of the second sec	
Existing	Proposed	
3. COURSE STRUCTURE	3. COURSE STRUCTURE	
3.1 The total course package for a	3.1 The total course package for a	The Senate resolved to approve the
M.Tech. Degree Programme will	M.Tech. Degree Programme will	recommendations of BoS for modification in Section 3: Course
typically consist of the following	typically consist of the following	Structure of the Regulations specific
components.	components.	to M.Tech Degree Programme of PG
a) Programme Core Courses Pc ≥ 20	a) Programme Core Courses Pc ≥	Curriculum to be effective from the academic year 2018-19.
Credits	20 Credits	

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National Institute of Technology I         b) Elective Courses Ele ≥ 09 Credits	b) Elective Courses Ele ≥ 09 Credits	
c) Major Project MP = 20 Credits	c) Major Project MP = 8 - 12 Credits	· · · · · · · · · · · · · · · · · · ·
d) Mandatory Learning Courses MLC	d) Mandatory Learning Courses	
= 04 Credits	MLC = 04 Credits	
3.3 The Minimum Credit	3.3 The Minimum Credit	a parameter and a set of
Requirement for the M.Tech. Degree	Requirement for the M.Tech. Degree	
is 60.	is 50-55.	
3.4 Major Project:	3.4 Major Project:	
(a) The Major Project carries 20	(a) The Major Project carries 8-12	The Senate resolved to approve the
credits and spreads over TWO	credits and spreads over TWO	recommendations of BoS for
semesters, normally during 3rd and	semesters, normally during 3rd and	modifications in Section 3.4 Major
4th semesters (or as recommended	4th semesters (or as recommended	Project of Regulations specific to M
by DPGC). The progress of the	by DPGC). The progress of the	Tech Programme of PG Curriculum
Project Work shall be monitored by	Project Work shall be monitored by	from the academic year 2018-19.
the Project Guide.	the Project Guide.	chalance de la
(h) The final evaluation is done by a	(h) The final evaluation is done by a	
Project Work Evaluation Committee	Project Work Evaluation Committee	
(PWEC) constituted by the pertinent		
DPGC. There shall be an open	DPGC. There shall be an open	
seminar followed by a viva-voce	seminar followed by a viva-voce	
examination as part of the final	examination as part of the final	
evaluation. After the final evaluation,	evaluation. After the final evaluation,	
appropriate double-letter grade is	appropriate double-letter grade is	- Bellinger
awarded, which will not however be	awarded, which will be considered	Section of
considered for SGPA and CGPA	for SGPA and CGPA calculations.	b mana
calculations.		Autasin fi Aa
3.5 Students with CGPA <5.50 in	Deleted	<i>n</i>
course work will be permitted to		The Senate resolved to approve the
register for a maximum of two make-	والمحاد بعاده ومتتار إحجاط ذالة وتحاذك وتعال	recommendations of BoS for
up courses per semester along with	of Orador Granding of In	modifications in Section 3.5 Major
the project work, to enable them to	d-Moteria Wied Istate	Project of Regulations specific to M
achieve the minimum CGPA	And States and an and a state of the state o	Tech Programme of PG Curriculum
requirements . In case, the student	(ස්සේන්තු නැපාල්ස	from the academic year 2018-19.
desires to register for more than two		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
make-up courses per semester then	נים וימונגמים עיים	(a) (a)
the Course Work duration shall be	Nu camurad badanaaraa baga	
extended by one or more semesters	and all three the spin of the	
_ extended by one of more semesters	and the second se	

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#### Item No. 32- BOS -12: Revised Curriculum for M.Tech programs

	Resolution of the BOS	Resolution of the Senate
	S resolved to recommend the revision in Curriculum for M Tech me to be effective from 2018-19 M. Tech admissions	
(a)	Computer Science and Engineering (CSE) The BoS resolved to recommend the proposal of the DPGC of the Department of Computer Science & Engineering for revision of curriculum for M.Tech in Computer Science & Engineering program. (Annexure - 16, P. No.176-186)	The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Computer Science & Engineering program to be effective from 2018 M Tech Admissions.
(b)	Computer Science and Engineering (CSE-IS) The BoS resolved to recommend the proposal of the DPGC of the Department of Computer Science & Engineering or revision of curriculum for M.Tech in Computer Science and Engineering - Information Security. (Annexure - 17, P. No.187-196)	The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Computer Science & Engineering – Information Security program to be effective from 2018 M Tech Admissions.
(c)	Information Technology (IT) The BoS resolved to recommend the proposal of the DPGC of the Department of Information Technology for revision of the curriculum for M.Tech in Information Technology. (Annexure - 18, P. No.197-207)	The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Information Technology program to be effective from 2018 M Tech Admissions.
(d)	Industrial Biotechnology (IB) The BoS resolved to recommend the proposal of the DPGC of the Department of Chemical Engineering for modification in the curriculum and syllabus for M.Tech Industrial Biotechnology to be implemented from the academic year 2018-19. (Annexure - 19, P. No.208-213)	The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Industrial Biotechnology program to be effective from 2018 M Tech Admissions.
(e)	Chemical Plant Design (CPD) The BoS resolved to recommend the proposal of the DPGC of the Department of Chemical Engineering for modification in the curriculum and syllabus for M.Tech Chemical Plant Design to be implemented from the academic year 2018-19 along with the change in name of the specialization.	The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Chemical Plant Design program to be effective from 2018 M Tech Admissions.

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(Annexure - 20, P. No.214-219)

(f)

(g)

(h)

(i)

#### Industrial Pollution Control (IPC)

The BoS resolved to **recommend** the proposal of the DPGC of the Department of Chemical Engineering for modification in the curriculum and syllabus for M.Tech Industrial Pollution Control to be implemented from the academic year 2018-19 along with the change in name of the specialization.

Materials Engineering (ML)

(Annexure - 21, P. No.220-225)

The BoS resolved to recommend the proposal of the DPGC of the Department of Metallurgical & Materials Engineering for modification in the curriculum and syllabus for M.Tech Materials Engineering. (Annexure - 22, P. No.226)

#### Process Metallurgy(PM)

The BoS resolved to recommend the proposal of the DPGC of the Department of Metallurgical & Materials Engineering for modification in the curriculum and syllabus for M.Tech Process Metallurgy (Annexure - 23, P. No.227)

#### Nanotechnology (NT)

The BoS resolved to recommend the proposal of the DPGC of the Department of Metallurgical & Materials Engineering for modification in the curriculum and syllabus for M.Tech Nanotechnology. (Annexure - 24, P. No.228-242)

#### (j)

#### Computational Mathematics (CMA)

The BoS resolved to recommend the proposal of the DPGC of the Department of Mathematical and Computational Sciences for modification in the curriculum and syllabus for M.Tech Computational Mathematics. (Annexure - 25, P. No.243-248)

#### (k) VLSI Design (VL)

The BoS resolved to recommend the proposal of the DPGC of the Department of Electronics & Communication Engineering for modification in the curriculum and syllabus for M.Tech VLSI Design (Annexure -26, P. No.249)

Communication Engineering (CE)

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Industrial Pollution Control program to be effective from 2018 M Tech Admissions.

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Materials Engineering program to be effective from 2018 M Tech Admissions.

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Process Metallurgy program to be effective from 2018 M Tech Admissions.

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Nanotechnology program to be effective from 2018 Μ Tech Admissions.

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Computational Mathematics program to be effective from 2018 M Tech Admissions.

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in VLSI Design program to be effective from 2018 M Tech Admissions.

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Nationa	al Institute of Technology Karnataka, Surathkal The BoS resolved to recommend the proposal of the DPGC of	The Senate resolved to approve the
	the Department of Electronics & Communication Engineering	recommendations of BoS for revision in Curriculum for M.Tech in
	for modification in the curriculum and syllabus for M.Tech	Communication Engineering program
ngs of bevicer	Communication Engineering. (Annexure - 27, P. No.250-259)	to be effective from 2018 M Tech Admissions.
(m)	Power and Energy Systems	The Senate resolved to approve the
mangolo offici M 2018 Mo	The BoS resolved to recommend the proposal of the DPGC of the Department of Electrical and Electronics Engineering for modification in the curriculum and syllabus for M.Tech Power and Energy Systems. (Annexure - 28, P. No.260-272)	recommendations of BoS for revision in Curriculum for M.Tech in Power and Energy Systems program to be effective from 2018 M Tech Admissions.
iqua ci bavioan	(n) Manufacturing Engineering	
unof SuS 16 and	The BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the
s ad commercial	Department of Mechanical Engineering for modification in the	recommendations of BoS for revision in
and Administrations	curriculum and syllabus for M.Tech Manufacturing Engineering.	Curriculum for M.Tech Manufacturing Engineering program to be effective
	(Annexure - 29, P. No.273, 279-284.)	from 2018 M Tech Admissions.
(0)	Design & Precision Engineering	
a capity to	The BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the recommendations of BoS for revision in
commits an of micro-	Department of Mechanical Engineering for modification in the	Curriculum for M.Tech in Design and
3 164 DI DI DI DI DI DI DI	curriculum and syllabus for M.Tech Design and Precision	Precision Engineering program to be effective from 2018 M Tech
	Engineering. (Annexure -30, P. No. 274, 284-290)	Admissions.
(p)	Mechatronics Engineering	
and Bulling and	The BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the recommendations of BoS for revision in
for M.Teo	Department of Mechanical Engineering for modification in the	Curriculum for M.Tech Mechatronics
M are m	curriculum and syllabus for M.Tech Mechatronics Engineering.	Engineering program to be effective from 2018 M Tech Admissions.
	(Annexure - 31, P. No.275, 290-294)	
(q)	Thermal Engineering	The Senate resolved to approve the
iana di 5 <mark>05 fo</mark> rna Nationalia	The BoS resolved to recommend the proposal of the DPGC of	recommendations of BoS for revision in
Muhamadics	the Department of Mechanical Engineering for modification in	Curriculum for M.Tech in Thermal Engineering program to be effective
es trom 2018 a	the curriculum and syllabus for M.Tech Thermal Engineering.	from 2018 M Tech Admissions.
south of bedges	(Annexure - 32, P. No. 276-278, 294-304.)	ad isov
uns of 86 3 to anu	Abremenen and COMP strategients and hearmone and	n 8ni
(r)	Construction Technology and Management	
SIN	The BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the
	Department of Civil Engineering for modification in the curriculum	recommendations of BoS for revision in Curriculum for M.Tech in Construction
11 .	and syllabus for M.Tech construction Technology and Management	Technology and Management program

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	(Annexure -33, P. No. 305-311)	to be effective from 2018 M Tech Admissions.
(s)	Environment Engineering	and a second
	he BoS resolved to recommend the proposal of the DPGC of the	The Consta resolved to energy the
	Department of Civil Engineering for modification in the curriculum	The Senate resolved to approve the recommendations of BoS for revision in
	and syllabus for M.Tech Environment Engineering.	Curriculum for M.Tech in
	(Annexure -34, P. No.312-316.)	Environmental Engineering program to be effective from 2018 M Tech Admissions.
(t)	Geotechnical Engineering	
	The BoS resolved to recommend the proposal of the DPGC of	
	the Department of Civil Engineering for modification in the	The Senate resolved to approve the
	curriculum and syllabus for M.Tech Geotechnical Engineering.	recommendations of BoS for revision in Curriculum for M.Tech in Geotechnica
	(Annexure - 35, P. No. 317-320).	Engineering program to be effective from 2018 M Tech Admissions.
(u)	Structural Engineering	Busi
т	he BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the
	Department of Civil Engineering for modification in the curriculum	recommendations of BoS for revision in
	and syllabus for M.Tech Structural Engineering.	Curriculum for M.Tech in Structura
	(Annexure - 36, P. No. 321-325)	Engineering program to be effective from 2018 M Tech Admissions.
		touth kinemisuper il
(v) 	Transportation Engineering	JERN IN YOUTHIN 1995
1	he BoS resolved to recommend the proposal of the DPGC of the	The Senate resolved to approve the
	Department of Civil Engineering for modification in the curriculum	recommendations of BoS for revision in Curriculum for M.Tech in
	and syllabus for M.Tech Transportation Engineering.	Transportation Engineering program to
	(Annexure - 37, P. No. 326-349)	be effective from 2018 M Tech Admissions.
(w)	Marine Structures	
	The BoS resolved to recommend the proposal of the DPGC of the	21.0.00 mile 940 mile
	Department of Applied Mechanics & Hydraulics for modification in	The Senate resolved to approve the recommendations of BoS for revision in
	the curriculum and syllabus for M.Tech (Marine Structures).	Curriculum for M.Tech in Marine
	(Annexure -38, P. No.331, 334-341)	Structure program to be effective from 2018 M Tech Admissions.
(x)	Water Resources Engineering & Management	Richards britishing
	The BoS resolved to recommend the proposal of the DPGC of	The Senate resolved to approve the
	the Department of Applied Mechanics & Hydraulics for	recommendations of BoS for revision ir Curriculum for M.Tech in Wate
	modification in the curriculum and syllabus for M.Tech (Water	Resources Engineering and
	Resources Engineering and Management).	Management program to be effective
	nnexure -39, P. No.332, 342-345)	from 2018 M Tech Admissions.
(A		

The BoS resolved to recommend the proposal of the DPGC of the Department of Applied Mechanics & Hydraulics for modification in the curriculum and syllabus for M.Tech (Remote Sensing and GIS). (Annexure -40, P. No. 333, 346-349)

The Senate resolved to approve the recommendations of BoS for revision in Curriculum for M.Tech in Remote Sensing and GIS program to be effective from 2018 M Tech Admissions.

#### ITEM No: 32-BOS - 13:

# Modification in M. Tech (Research) Regulations- residential requirements - *To be effective from Academic year 2018-2019*

	of the BOS	Resolution of the Senate
The BoS resolved to recommend the mo of the Regulations of M.Tech (Researc rom the academic year 2018-19.	The Senate resolved to approve recommendations of BoS modifications in Section 3.3 of	
Existing	Proposed	Regulations of M.Tech. (Researc
3.3 In case of external registrants, a minimum of one semester (preferably first semester) residential requirement to be completed during the completion of credit requirements. However the duration and number of visits to the institute after the course completion shall be decided by the research guide.	3.3 In case of external registrants, residential requirement may be waived. They are expected to complete their course work by opting for (pre-approved by DPGC) certified courses. For these courses, evaluation has to be done by departmental faculty and appropriate grade awarded. However the duration and number of visits to the institute after the course completion shall be decided by the research guide.	Programme of PG Curriculum to effective from the academic ye 2018-19.

ITEM No: 32-BOS - 14:

Modification in M.Sc Regulations-Admission To be effective from Academic year 2018-2019

Resolutio	n of the BOS	Resolution of the Senate
	resolved to recommend the modification in section 2.3 of the ns specific to M.Sc. Degree Programme to be effective from the year 2018-19.	
	ni inemi statisti sevela inemi	Regulations specific to M.Sc. Degree
Existing	Proposed	Regulations specific to M.Sc. Degree programme of PG Curriculum to be

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Γ	2.4 The admissions			To be deleted	
	performance in the	Entrance	Test and the	e. 21-lost lik A., Ar priorinnik	
	performance in	the	qualifying	The Black distance of the Street Property of the Street Pro-	
	examination.			premium of Decision No. In contrast,	
				(10. data an inclusion of the month of the	

#### ITEM No: 32-BOS-15:

**Modification in M.Sc Regulations-Course Structure** *To be effective from Academic year 2018-2019* 

Resolution of the BOS		Resolution of the Senate
	the modification in Section 3 of the ee Programme to be effective from the	The Senate resolved to approve the recommendations of BoS for modification in Section 3.1 and
ExistingCOURSE STRUCTURE:3.1The total course creditrequirement for the award of M.Sc. Degree will typically consist ofthe following components.a) Core Courses $\geq 40$ Creditsb) Elective Courses $\geq 12$ Creditsc) Mandatory Learning Courses(Seminar) $\geq 03$ Creditsd) M.Sc. Project $\geq$ 06 Credits	ProposedCOURSE STRUCTURE:3.1 The total course credit requirementfor the total course credit requirementfor the award of M. Sc. Degree willtypically consist of the followingcomponents.a) Core Courses $\geq 40$ Creditsb) Elective Courses $\geq 12$ Creditscolspan="2">components.a) Core Courses $\geq 40$ Creditsb) Elective Courses $\geq 12$ Creditscourses(Seminar) $\geq 03$ Creditsd) M.Sc. Project 08 Credits	Section 3.3 of Regulations specific to M.Sc. Degree programme of PG Curriculum to be effective from the academic year 2018-19
3.3 The Minimum Credit Requirement for the M.Sc. Degree is 90	3.3 The Minimum Credit Requirement for the M.Sc. Degree is 80	

Item No. 32- BOS -16:

#### Revised Curriculum for M.Sc programs:

To be effective from 2018-19 M.Sc admissions

_	Resolution of the BOS	Resolution of the Senate
The BoS	resolved to recommend the proposal of DPGC of the Department of	The Senate resolved to approve
Physics a	and Chemistry for revision in Curriculum for M.Sc. Degree Programme	the recommendations of BoS for
to be effe	ective from the academic year 2018-19.	modification in revision in
	and the second	curriculum specific to M.Sc.
(a)	<ul> <li>Physics (PH) The BoS resolved to recommend the proposal of the DPGC of the</li> </ul>	Degree programme to be effective
		from the academic year 2018-19

	Department of Physics for the revision of M.Sc (Physics) Curriculum.	
	(Annexure - 42, P. No. 350-357)	
(b)	Chemistry (CY) The BoS resolved to recommend the proposal of the DPGC of the	
	Department of Chemistry for the revision of M.Sc (Chemistry)	
	Curriculum. (Annexure - 43, P. No.358-369)	÷

ITEM No: 32-BOS - 17:

#### Modification in MCA Regulations-Course Structure

To be effective from Academic year 2018-2019

Resolution of the BOS		Resolution of the Senate
The BoS resolved to recommend the modification in Section 2 of the Regulations specific to MCA. Degree Programme to be effective from the academic year 2018-19.		The Senate resolved to approve the recommendations of BoS for
Existing	Proposed	modification in Section 2.1 and 2.3
COURSE STRUCTURE: 2.1 The total course package for a M.C.A. Programme will typically consist of the following components. (a) Programme Core Courses Pc ≥ 60 Credits (b) Elective Courses Ele ≥ 24 Credits (c) Major Project MP = 20 Credits (d) Mandatory Learning Courses MLC = 04 Credits	COURSE STRUCTURE: 2.1 The total course package for a M.C.A. Programme will typically consist of the following components. (a) Programme Core Courses $Pc \ge$ 60 Credits (b) Elective Courses Ele $\ge$ 24 Credits (c) Major Project MP = 10 Credits (d) Mandatory Learning Courses MLC = 04 Credits	of Regulations specific to MCA Degree programme of PG Curriculum to be effective from the academic year 2018-19
2.3 The Minimum Credit Requirement for the M.C.A Degree is <b>120</b> .	2.3 The Minimum Credit Requirement for the M.C.A Degree is <b>100-105</b> .	n finad na

Item No. 32- BOS -18:

#### Revised Curriculum for MCA programs

To be effective from 2018-19 MCA admissions

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of the DPGC of the Department	The Senate resolved to approve
of Mathematical and Computational Mathematics for revision of curriculum for	the recommendations of BoS for modification in revision in
the MCA programme. (Annexure - 44, P. No.370-381)	curriculum specific to MCA Degree

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programme to be effective from the academic year 2018-19

Item No. 32- BOS -19:

#### Revised Curriculum for MBA programs

To be effective from 2018-19 MBA admissions

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of the DPGC of the School of Management for revision of curriculum for the MBA programme. (Annexure - 45, P. No.382-384)	The Senate resolved to approve the recommendations of BoS for modification in revision in curriculum specific to MBA Degree programme to be effective from the academic year 2018-19

ITEM No: 32-BOS - 20:

### Modification in PhD Regulations-Admissions

To be effective from Academic year 2019-2020

The Senate resolved to approve the recommendations of BoS for modification in revision in Admission regulations to PhD Degree programme to be effective from the academic year 2019-20
programme to be effective from the

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(e) Internal Registrant - sponsored Institute or Project staff of NITK		
v. A non-sponsored non-scholarship (self-financed) student of type (d) will not receive any financial assistance	To be deleted	
from the Institute.	Holmana Invia basivati	19-10-1-10 million
2.3 As per UGC norms, students of type (a) must have passed GATE/ UGC-CSIR exam/ DAE- JEST/ or an	2.3 Students of type (a) must have passed GATE/ UGC-CSIR exam/ DAE- JEST to be admitted to Ph.D.	
exam conducted by the Institute to be admitted to Ph.D. Programme.	Programme.	n accordan 905 - 1

ITEM No: 32-BOS - 21:

#### Modification in PhD Regulations-Programme Structure

To be effective from Academic year	2018-2019
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Resolution of the BOS		Resolution of the Senate
The BoS resolved to recommend the Degree Programme to be effective from the second seco	e modifications in the Regulations of PhD om the academic year 2018-19.	The Senate resolved to approve the recommendations of BoS fo
Existing3.1 The Ph.D. Degree ProgrammeStructure consists of the followingstages:(i) Ph.D. Course Work andEvaluation;(ii) MLC: HU800 Researchmethodology(iii) Research ProposalSubmission and Assessment;(iv) Research ProgressAssessment;(v) Pre-Synopsis Seminar andSynopsis Submission;(vi) Ph.D. Thesis Submission andAssessment.	Proposed 3.1 The Ph.D. Degree Programme Structure consists of the following stages: (i) Ph.D. Course Work and Evaluation; (ii) MLC: HU800 Research methodology (iii) Comprehensive Examination (iv) Research Proposal Submission and Assessment; (v) Research Progress Assessment; (vi) Pre-Synopsis Seminar and Synopsis Submission; (vii) Ph.D. Thesis Submission and Assessment.	modification in the Section 3.1 programme structure of Regulation specific to PhD Degree programme of PG Curriculum to be effective from the academic year 2018-19
The course work must be completed within the first TWO years, with a <b>minimum CGPA</b> of 5.50.	The Course work must be completed within the first year of joining the program with a <b>minimum CGPA of 6.0</b>	an cara Sentra micana S Sentra Mana Sentra Mana

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A minimum of one semester	In the case of Full time/External	S 2 Registro
(preferably first semester)	registrant sponsored student from the	eszekizna najelimátja
residential requirement is to be	industry or other organizations, the	Lugar Di Cha Shari B
completed by all the external	minimum of one semester residential	State Street The State
registrants during the completion	requirement may be waived by DRPC,	and residence due -
of course credit requirements.	on case to case basis. These students	unal mars admora
However, the duration and the	may be allowed to do pre-approved	and 40 menoing
number of visits to the Institute	certified MOOCs and also a self-study	touted of performance
after the course completion shall	course, towards 12 credits.	Cysis along 5 dec
be decided by the Research	Examination will be conducted for such	e costrate (deleterande
Guide.	certified courses to award grades, by	respiration is the own of
	the department. They also need to do a	- is period a brokeger
	certified Research methodology	na ana ana ana ana ana ana ana ana ana
	course.	Territolated Training
Nil	5.2 Comprehensive Exam	and and another a
	Comprehensive exam will be	The Senate resolved to approve the
	conducted once in a semester and a	recommendations of BoS for
	student registered for Ph.D should	modification in the Section 5.2 of
	qualify in this exam within one and half	Regulations specific to PhD Degree
	years for the date of registration. A	programme of PG Curriculum to be
	student is deemed to have qualified in	effective from the academic year
	this exam if he/she obtains 60% marks	2018-19
	in the exam and satisfactorily completes	is Transi tentrad
erolat in de affr	the oral exam.	Carlo and the unrealities of
and a second	If a student performs non-satisfactorily	0480
	in the oral exam, he/she needs to retake	1.3.3 Peur 10
a para di di degan di dan tera	only the oral exam.	Sinchos un agentes
Cale - Cale - Cale - Cale -	A maximum of two attempts to qualify in	ÓWT kreiter ein die
e upic de l'effective libre un	the comprehensive exam will be given.	and the part of the
CISPIC GIVERNI	If a student does not qualify in the	and assessments in
	comprehensive exam even after two	And Man Adjacen
- Julumata is	attempts, his/her registration will be	mage publiched by
	terminated.	el ava - catolica Cun
e	The question paper for comprehensive	and item gitemeter
	exam would be set by the respective	ERROSOLA
A CONTRACT OF A	DRPC	

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modification in the

5.2:

Section

National Institute of Technology5.2ResearchProposalSubmission and AssessmentEvery PhD student is required tosubmit his research proposal inthe prescribed format, within 18months after joining for theprogram.Chairman Senate isauthorized to condone the delayupto 2 years.Beyond 2 years,approval by Senate is required upto two and a half years.If the delayis beyond two and a half years theregistration is liable to beterminated.The Ph.D Research	5.3 Research Proposal Submission and Assessment Every PhD student is required to submit his research proposal in the prescribed format, within 24 months after joining the program. Extension by 6 months will be given to those students who do not qualify in the comprehensive exam in the first attempt. In case a research proposal is not submitted with in two and half years the registration will be terminated.	Research Proposal Submission of Regulations specific to PhD Degree programme of PG Curriculum to be effective from the academic year 2018-19
proposal must contain details including literature survey, problem identification, state of the art technology, plan of Research work, etc. The RPAC will assess the proposal through an open seminar and communicate the recommendation along with detailed report for approval or otherwise to the Dean (A) through DRPC.		The Senate resolved to approve the recommendations of BoS for
5.3.3 Prior to Pre-synopsis seminar, the scholar is required to give at least TWO satisfactory Research Progress Assessment Seminars on the topic of his research, and have at least one paper published or accepted for publications preferably in a refereed journal or in a conference	5.3.3 Prior to Pre-synopsis seminar, the scholar is required to give at least TWO satisfactory Research Progress Assessment Seminars on the topic of his research, and have at least one paper published or accepted for publications in a refereed Journal (Scopus/SCI/ESCI/SSCI /AHCI).	modification in the Section 5.3.3 of Regulations specific to PhD Degree programme of PG Curriculum to be effective from the academic year 2018-19
proceedings. 5.4.4 c. Details of the courses studied (for all categories of research scholars) and also certificates with regard to the	5.4.4 c. Details of the courses studied (for all categories of research scholars) (Residential requirement Clause	The Senate resolved to approve the recommendations of BoS for modification in the Section 5.4.4 (c) of Regulations specific to PhD Degree

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residential clause from the guide and Head of the	Removed)	programme of PG Curriculum to be effective from the academic year
Department (for external	Server also in Baganoorlage	2018-19
registrants).	entrenição notre control de estado	
5.5.1 Prior to the thesis submission, the scholar should have preferably two but at least one paper published or accepted	5.5.1. Prior to the thesis submission, the scholar should have preferably two but at least one paper published or accepted for publication in a refereed	The Senate resolved to approve the recommendations of BoS for modification in the Section 5.5.1 of Regulations specific to PhD Degree
for publication in a refereed journal.	journal (Scopus/SCI/ESCI/SSCI/AHCI)	programme of PG Curriculum to be effective from the academic year 2018-19
		2010-13

#### Item No. 32 - BOS-22:

#### Revised Curriculum for PhD programme

To be effective from 2018-19 PhD admissions

Resolution of the BOS	Resolution of the Senate
(a) Computer Science and Engineering (CSE)	The Senate resolved to approve the
<ul> <li>The Department of Computer Science and Engineering has proposed revised 900 level courses for Ph.D students.</li> <li>(Annexure - 46, P. No.385-391).</li> <li>(b) Mechanical Engineering</li> </ul>	recommendations of BoS for modification in revision in curriculum specific to 900 Level Courses for PhD Degree programme of all the Departments to be effective from the
The Department of Mechanical Engineering has proposed revised 900 evel courses for Ph.D students.	academic year 2018-19
(c) Mathematical and Computational Sciences	The Bill work of the loss
The Department of Computer Science and Engineering has proposed revised 900 level courses for Ph.D students.	névené novi terés stán Szávád szlákut filmyemet
(d) Information Technology	NOT STATE AND
The Department of Information Technology has proposed revised 900 level courses for Ph.D students. (Annexure 49, P. No.402-410).	ේ මේ කරන් කරන හැකි කරන්න කරන්න කොතරමන් කරන ඉතින් කරන්න විද්යාලන
(e) Mining Engineering	Contraction of the Photoe of t
The Department of Mining Engineering has proposed revised 900 level courses for Ph.D students.	data kanakutu menerak Pastalah kanakutur dua
(f) Electrical & Electronics Engineering :	STATE TO STATE

The Department of Electrical & Electronics Engineering has proprevised 900 level courses for Ph.D students.	oosed
(g) Electronics & Communication Engineering:	ternelor set de mante
The Department of Electronics & Communication Engineering proposed revised 900 level courses for Ph.D students.	i has
(h) Metallurgical and Materials Engineering	
The Department of Metallurgical and Materials Engineering proposed revised 900 level courses for Ph.D students.	has

ITEM No: 32-BOS - 23:

Conversion of Academic Programme - M.Tech to Dual Degree (M.Tech + PhD) programme

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend that M.Tech students who have secured	The Senate resolved to approve the
more than 8.5 CGPA after the completion of Ist year, can opt to convert to	recommendations of BoS for
Ph.D. They should have joined the M.Tech program with valid GATE score.	conversion of M Tech programme
The procedure laid out for Ph.D admissions will be applicable for conversion	to MTech-PhD Dual Degree
from M.Tech to Ph.D. The students who convert from M.Tech to Ph.D will be	Programme from the academic year
awarded M.Tech degree on submission of Ph.D Synopsis. Course work of the	2019-20.
PhD programme can be waived in this case. However, these students have	
to complete the Research Methodology course. In case of Termination of a	
student from the PhD programme, he / she will be evaluated for the work done	dig ta Inamisepti pittin
till then, to award the M Tech degree.	and the second

ITEM No: 32-BOS - 24:

Conversion of Academic Programme - M.Sc. to Dual Degree (M.Sc. + PhD) programme

Resolution of the BOS	Resolution of the Senate	
The BoS resolved to recommend that M.Sc. students who	The Senate resolved to approve the	
have scored more than 8.5 CGPA after 1st year, can opt to	recommendations of BoS for conversion of MSc	
convert to Ph.D. They should have joined the M.Sc. program	programme to MSc-PhD Dual Degree Programme	
with valid GATE / NET score. The procedure laid out for Ph.D	from the academic year 2019-20 with following	
admissions will be applicable for conversion from MSc to	modifications :	
Ph.D. The students who convert from MSc to Ph.D will be M.Sc. students who have scored more than 8.5 CC		
awarded M.Sc. degree on submission of Ph.D Synopsis. after Ist year, can opt to convert to Ph.D. They sho		
Course work of the PhD programme can be waived in this	amme can be waived in this have joined the M.Sc. program with valid GATE / NET	
case. However, these students have to complete the	score. The procedure laid out for Ph.D admissions will	
Research Methodology course. In case of Termination of a	be applicable for conversion from MSc to Ph.D. The	
student from the PhD programme, he / she will be evaluated	students who convert from MSc to Ph.D will be awarded	

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for the work done till then, to award the MSc degree.	M.Sc. degree on submission of Ph.D Synopsis. Course
	work of the PhD programme can be waived in this case.
	However, these students have to complete the
	Research Methodology course in addition to the
	second year courses of the MSc Programme. In
	case of Termination of a student from the PhD
	programme, he / she will be evaluated for the work done
	till then, to award the MSc degree

#### ITEM No: 32-BOS - 25:

#### Introduction of new PG Programme - proposal of Department Electronics and Communication Engineering

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of Department of Electronics and Communication Engineering for introduction of new PG programme entitled "Signal Processing and Machine Learning (SPMIL)"	The Senate resolved to approve the recommendations of BoS for introduction of new PG programme entitled "Signal
from the academic year 2019-20 with an intake of 29 students. The details are enclosed as Annexure 53, P. No. 419-436.	Processing and Machine Learning (SPMIL)" from the academic year 2019-20 with an intake of 29 students.

#### ITEM No: 32-BOS - 26:

Change of name of M.Tech Programme (Communication Engineering) - Proposal of Department of Electronics and Communication Engg.

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of Department of	The Senate resolved to approve the
Electronics and Communication Engineering for Change of name of M	recommendations of BoS for modification
Tech Programme (Communication Engineering) to M Tech in	in name of M.Tech. programme M Tech
Communication Engineering and Networks from the academic year 2019-	Programme (Communication Engineering)
20.	to M Tech in Communication Engineering
The revised curriculum are enclosed as Annexure 54, P. No.437.	and Networks from the academic year 2019-20.

ITEM No: 32-BOS - 27:

Change of name of M Tech Programme - Proposal of Department of Chemical Engineering

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of Department of Chemical	The Senate resolved to approve the
Engineering to change the name of following M Tech Programme (from the	recommendations of BoS for revision in curriculum and modification in name of
academic year 2019-20 onwards	following M.Tech. programmes from the academic year 2019-20 :

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	anome	a monthle of rechnology real narana, sen anneat	
Ĩ	a.	M Tech (Chemical Plant Design) to M.Tech. (Chemical Engineering)	a.M Tech (Chemical Plant Design) to
			M.Tech. (Chemical Engineering)
	b.	M Tech (Industrial Pollution Control) to M.Tech. (Environmental	b. M Tech (Industrial Pollution Control) to
		Sciences and Technology)	M.Tech. (Environmental Sciences and Technology)
	The r	evised curriculum are enclosed as Annexure 55-, P. No.438-445.	(comology)

ITEM No: 32-BOS - 28:

#### Change of name of M Tech Programme - Proposal of Department of Mechanical Engineering

Resolution of the Senate
The Senate resolved to approve the recommendations of BoS for revised
curriculum and modification in name
of M Tech (Design and Precision Engineering) to M.Tech. (Mechanical
Design) from the academic year 2019-
20.

#### ITEM No: 32-BOS - 29:

Reduction in annual Intake for admission to MCA programme – proposal of Department of Mathematical and Computational Sciences

Resolution of the BOS	Resolution of the Senate
The BoS resolved to recommend the proposal of the Department of	The Senate resolved to approve the proposal of the Department of
Mathematical and Computational Sciences for reduction of the annual	Mathematical and Computational
intake for admission to MCA programme from existing 92 to 46 from the	Sciences for reduction of the annual intake for admission to MCA programme
academic year 2019-20 onwards.	from existing 92 to 46 from the academic
The details are enclosed as Annexure - 57, P. No.448-452.	year 2019-20 onwards.

Item No. 32 – BOS-30: Inclusion of External Additional Guides:

Resolution of the BOS			Resolution of the Senate			
	a)	Department of Mechanical Engineering:	The	Senate	noted	the
	i.	The BoS resolved to approve that Dr. C. Sujatha, Professor, Dept. of	resolutions of BoS			
		Mechanical Engg., IITM, Chennai, be considered for inclusion as an				
		Additional Research Guide for Mr. Tak Radhe Shyam Saini (Reg. No.				
1 2 0 1	ii.	177158) in the Dept. of Mechanical Engineering The BoS resolved that Dr. Ch VSN Reddi, not to be considered for				
		inclusion as an Additional Research Guide for Mr. Naidu Balireddy S.	1.11			
		(Reg. No. 177098) in the Dept. of Mechanical Engineering.	12.00			

National	Institute of Technology Karnataka, Surathkal		
iii.	The BoS resolved that Dr. Ch. VSN Reddi, not to be considered for	0	
	inclusion as an Additional Research Guide for Mr. S. R. Vishwanath	s	
	Mantha (Reg. No. 177102) in the Dept. of Mechanical Engineering.		
b)	Department of Electronics & Communication Engineering:		
i.	The BoS resolved that Dr. Jyh Cheng Chen, Distinguished Professor,	24	
	Dept. of Biomedical Imaging & Radiological Sciences, be considered for inclusion as an Additional Research Guide for Mr. D. Suryachand		
	Gopavajhula (Reg. No. 177032) in the Dept. of Electronics &		
<sup>a</sup> ii.	Communication Engineering. The BoS resolved that Dr. P. H. Rao, Scientist, SAMEER - Centre for		
	Electromagnetics, Chennai, be considered for inclusion as an Additional		
	Research Guide for Mr. B. Anudeep (Reg. No. 177099) in the Dept. of		
	Electronics & Communication Engineering.		
c)	Department of Metallurgical & Materials Engineering:		
Th	e BoS resolved that Dr. D. Manjini, Associate Vice President,		
JSW Bellary be considered for inclusion as an Additional Guide for Mr. D.			
Sati	sh Kumar (Reg. No. 177046) in the Dept. of Metallurgical & Materials		
Eng	ineering.		
d)	<b>Department of Mathematical &amp; Computational Sciences</b>		
The BoS	resolved that Dr. Balaji R. Pricipal Technical Officer, Computer Networks		
and Inter	net Engineering be considered for inclusion as an Additional Guide for Mr.		
Sanjay (F	Reg. No. 177039) in the Dept. of Mathematical & Computational Sciences	8	

#### Any Other Items:

- 1. The Senate resolved to approve the guidelines formulated by Senate Sub-Committee for maintenance of academic Integrity and prevention of plagiarism for the Institute.
- 2. The Senate resolved to approve the modifications in Section G5.13 : Evaluation of Performance of UG Curriculum as follows:

"There is no equivalence between the CGPA Scale and Percentage. However CGPA  $\geq$  6.0 can be considered as equivalent to first class and 5.0  $\leq$  CGPA < 6.0 can be considered as equivalent to Second Class. Notionally, CGPA may be multiplied by a factor of 10 to obtain numerical percentage"

3. The Senate resolved to approve that a student who has obtained FA or FF grade in an elective course, he / she may either re-appear the same course or register for any other elective course. In either condition, the CGPA computations will not once again include the course credits for the failed elective courses in the denominator.

Meeting ended with vote of thanks to the Chair.

(K. Ravindranath) Secretary-Senate, NITK

(KćUmamaheshwar Rao) Chairman-Senate, NITK