



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
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Proceedings of the 50th Meeting of the Senate of National Institute of Technology Karnataka, Surathkal held on February 28, 2020 (Friday) at 11:00AM in the Senate Hall, 'C' Block – LHC, N.I.T.K. Surathkal.

MEMBERS PRESENT:

K. Umamaheshwar Rao	.....	Chairman
Ananthanarayana V. S.	.....	Member
N. C. Shivaprakash	.....	External Member
A. Nityananda Shetty	.....	Member
Aloysius Henry Sequeira	.....	Member
Jagannath Nayak	.....	Member
Vidya Shetty K	.....	Member
Ashvini Chaturvedi	.....	Member
Amba Shetty	.....	Member
Lakshman Nandagiri	.....	Member
Subba Rao	.....	Member
Dwarakish G S	.....	Member
Kiran G. Shirlal	.....	Member
B M Dodamani	.....	Member
Prasanna B D	.....	Member
M.B. Saidutta	.....	Member
A. Chitharanjan Hegde	.....	Member
Badekai Ramachandra Bhat	.....	Member
R. Shivashankar	.....	Member
M. C. Narasimhan	.....	Member
Katta Venkataramana	.....	Member
Varghese George	.....	Member
S. Shrihari	.....	Member
B R Jayalekshmi	.....	Member
K. Chandrasekaran	.....	Member

Annappa	.....	Member
P. Santhi Thilagam	.....	Member
T. Laxminidhi	.....	Member
Sumam David S.	.....	Member
M. S. Bhat	.....	Member
Neelavar Shekar Vittal Shet	.....	Member
Shubhanga K N	.....	Member
Gururaj S Punekar	.....	Member
B Venkatesa Perumal	.....	Member
Biju R Mohan	.....	Member
G. Ram Mohana Reddy	.....	Member
Shyam S. Kamath	.....	Member
Suresh M Hegde	.....	Member
Santhosh George	.....	Member
B. R. Shankar	.....	Member
Murulidhar N. N.	.....	Member
Shrikantha S. Rao	.....	Member
Ashok Babu T P	.....	Member
G. C. Mohan Kumar	.....	Member
Prasad Krishna	.....	Member
Gangadharan K. V.	.....	Member
S. M. Kulkarni	.....	Member
Vijay H. Desai	.....	Member
Narendranath S.	.....	Member
Ravikiran Kadoli	.....	Member
S. M. Murigendrappa	.....	Member
K. Narayan Prabhu	.....	Member
Anandhan Srinivasan	.....	Member
Karra Ram Chandar	.....	Member
Ch. S. N. Murthy	.....	Member
M. Govinda Raj	.....	Member
Harsha Vardhan	.....	Member
H.S. Nagaraja	.....	Member
N. K. Udayashankar	.....	Member
H. D. Shashikala	.....	Member
M. N. Satyanarayan	.....	Member
S Pavan Kumar	.....	Member

K. B. Kiran	.....	Member
Shashikantha Koudur	.....	Member
Mallikarjuna Angadi, Librarian	.....	Member
Rahul Chandrasekhar	.....	Special Invitee
K. Ravindranath, Registrar	.....	Secretary

MEMBERS ABSENT:

K.V. Jayakumar	.....	External Member
(Ms.) Anjula Gurtoo	.....	External Member
Subhash C Yaragal	.....	Member
U Shripathi Acharya	.....	Member
K Panduranga Vittal	.....	Member
A. Mahesha	.....	Member
Paresh Chandra Deka	.....	Member
Gopal Mugeraya (on deputation to NIT Goa as Director)	.....	Member
Raj Mohan B	.....	Member
Arun Mohan Isloor	.....	Member
Denthaje Krishna Bhat	.....	Member
K. Swaminathan	.....	Member
K. N. Lokesh	.....	Member
A.U. Ravi Shankar	.....	Member
Sitaram Nayak	.....	Member
K. S. Babu Narayan	.....	Member
Alwyn Roshan Pais	.....	Member
Muralidhar Kulkarni	.....	Member
John D'Souza	.....	Member
Udayakumar R.Y.(on deputation to MNIT, Jaipur as Director)	.....	Member
A. Kandasamy	.....	Member
H. Suresh Hebbar	.....	Member
Udaya Bhat K.	.....	Member
V. R. Sastry (on lien to Dr. BAT University, Lonere, Maharashtra as Vice Chancellor)	.....	Member
P. G. Mohanan, System Manager, CCC	.....	Member
Samyak Jain	.....	Special Invitee

PREAMBLE:

At the outset of the meeting, Chairman welcomed all the members to the 50th Senate Meeting.

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

Item No. 50.1: Confirmation of Minutes of the 49th meeting of the Senate held on October 17, 2019 at Senate Hall, 'C' Block – LHC, N.I.T.K. Surathkal – Reg.

Resolution: The Senate resolved to confirm the minutes of the 49th Senate Meeting.

Item No. 50.2: To consider the report on action taken on the minutes of 49th Meeting of the Senate held on October 17, 2019 - Reg.

Resolution: The action taken on the minutes of the 49th Senate meeting were noted.

Item No. 49.3.1: To consider the Convocation List of Graduates -Approval of eligible candidates for the award of B.Tech/ M.Tech/ M.Tech(Research)/ M.C.A./M.B.A/ M.Sc/ PhD degree during the 17thAnnual Convocation – Reg.

Resolution of the Senate	Action taken	Senate Resolution																				
<p>The Senate resolved to approve the list of eligible candidates for the award of B.Tech/ M.Tech/ M.Tech (Research)/ M.C.A/ M.B.A/ M.Sc/ Ph.D. degrees during the 17th Annual Convocation. The Chairman-Senate was authorized to approve additional list of eligible candidates for the award of MTech (Research) and PhD degree during the 17th Annual Convocation.</p> <table border="1"> <thead> <tr> <th>Programme</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>B. Tech</td> <td>795</td> </tr> <tr> <td>M. Tech</td> <td>436</td> </tr> <tr> <td>M. Tech (Research)</td> <td>25</td> </tr> <tr> <td>M.C.A</td> <td>90</td> </tr> <tr> <td>M.B.A</td> <td>32</td> </tr> <tr> <td>M. Sc (Physics)</td> <td>26</td> </tr> <tr> <td>M. Sc (Chemistry)</td> <td>25</td> </tr> <tr> <td>Ph. D</td> <td>116</td> </tr> <tr> <td>Total</td> <td>1545</td> </tr> </tbody> </table>	Programme	Number of Students	B. Tech	795	M. Tech	436	M. Tech (Research)	25	M.C.A	90	M.B.A	32	M. Sc (Physics)	26	M. Sc (Chemistry)	25	Ph. D	116	Total	1545	<p>Degrees awarded during 17th Annual Convocation held on November 02, 2020</p>	<p>The Senate noted the Action taken</p>
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Item No. 49.3.2: To consider the admission of students made under UG, PG and PhD programme for the academic year 2019-20 – Reg.

Resolution of the Senate						Action taken	Senate Resolution																																																												
<p>The Senate resolved to approve the admissions to B.Tech/ M.Tech/ M.Tech (Research)/ MCA/ MBA/ MSc & PhD programmes made as per approved regulations of the institute for the academic year 2019-20.</p> <p>The admission statistics during the academic year 2019-20 is also approved by the Senate.</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Programme</th> <th>Intake</th> <th>Admissions 2019-20</th> <th>Male</th> <th>Female</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B.Tech</td> <td>995</td> <td>958</td> <td>790</td> <td>168</td> </tr> <tr> <td>2</td> <td>M.Tech</td> <td>651</td> <td>618</td> <td>445</td> <td>173</td> </tr> <tr> <td>3</td> <td>M.Tech (R)</td> <td>55</td> <td>27</td> <td>20</td> <td>7</td> </tr> <tr> <td>4</td> <td>MCA</td> <td>51</td> <td>50</td> <td>37</td> <td>13</td> </tr> <tr> <td>5</td> <td>MBA</td> <td>70</td> <td>28</td> <td>16</td> <td>12</td> </tr> <tr> <td>6</td> <td>MSc (Physics)</td> <td>29</td> <td>24</td> <td>17</td> <td>7</td> </tr> <tr> <td>7</td> <td>MSc (Chemistry)</td> <td>29</td> <td>24</td> <td>10</td> <td>14</td> </tr> <tr> <td>8</td> <td>PhD (July session)</td> <td>165</td> <td>112</td> <td>81</td> <td>31</td> </tr> <tr> <td colspan="2">Total</td> <td>2045</td> <td>1841</td> <td>1416</td> <td>425</td> </tr> </tbody> </table>						Sl. No.	Programme	Intake	Admissions 2019-20	Male	Female	1	B.Tech	995	958	790	168	2	M.Tech	651	618	445	173	3	M.Tech (R)	55	27	20	7	4	MCA	51	50	37	13	5	MBA	70	28	16	12	6	MSc (Physics)	29	24	17	7	7	MSc (Chemistry)	29	24	10	14	8	PhD (July session)	165	112	81	31	Total		2045	1841	1416	425	Resolution Noted	The Senate noted the Action taken
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Item No. 49.3.3: To consider the finalization of date for 17th Annual Convocation of the Institute - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to approve the date for 17 th Annual Convocation of the Institute on November 02, 2019 (Saturday).	Resolution Implemented	The Senate noted the Action taken

Item No.49.3.4: To consider the modification of the procedure to conduct Institute's Annual Convocation - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to approve the modification of the procedure to conduct Seventeenth (17th) Annual Convocation in two sessions, i.e., First Session during Forenoon of November 2, 2019 for the award of medals to toppers by Hon'ble Vice President of India as Chief Guest of the programme and Second Session during afternoon on the same date for the award of degrees to the undergraduate, post graduate and PhD students.	<i>Resolution Implemented</i>	<i>The Senate noted the Action taken</i>

Item No.49.3.5: To consider the alteration of the convocation attire – Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved that the Mysore Peta need not be included in the Convocation Attire during the 17th Annual Convocation for the Senators, Members of Board of Governors and the Chief Guest.	<i>Resolution Implemented</i>	<i>The Senate noted the Action taken</i>

Item No. 49.3.6: To consider the modification in PhD regulations - PhD Thesis Submission and Assessment - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved that Section 5.4.3 of Regulations specific to PhD programme can be modified as "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 TWO paper published or accepted for publications in a refereed Journal (Scopus/SCI/ESCI/SSCI /AHCI)".	<i>Resolution to be Implemented</i>	<i>The Senate noted the Action taken</i>

Item No. 49.3.7: To consider full-time research scholars registered under Institute

Fellowship for the count of PhD Intake per faculty - Proposal of Head of Department, Applied Mechanics and Hydraulics – Reg.

Resolution of the Senate	Action taken	Senate Resolution
<p>The Senate resolved that a Committee could be constituted by the Chairman, Senate to assess the Section 4.8 of the regulations specific to PhD programme and submit its report to the Chairman Senate.</p> <p>The Senate further resolved to authorize the Chairman Senate to approve the recommendations of the Committee.</p>	<p><i>Committee constituted</i></p>	<p><i>The Senate noted the Action taken</i></p>

Item No. 49.3.8: To consider the change in the name of the Department - Proposal of Head of Department, Applied Mechanics and Hydraulics – Reg.

Resolution of the Senate	Action Taken	Senate Resolution
<p>The Senate resolved to consider that the name of the Department of Applied Mechanics and Hydraulics can be changed to 'Department of Water Resources and Ocean Engineering' from the academic year 2020-21. It was further opinioned that a B Tech programme in Ocean Engineering can be started by the Department from the ensuing academic year.</p>	<p><i>The matter was placed before the BoG in its 60th meeting vide Item No.60.3.2 held on 06.01.2020.</i></p> <p><i>The BoG resolved to approve the name of the Department of Applied Mechanics and Hydraulics as 'Department of Water Resources and Ocean Engineering' from the academic year 2020-21 as recommended by the Senate.</i></p>	<p><i>The Senate noted the Action taken</i></p>

Item No. 49.3.9: To consider the modification in the M Tech Degree certificate format - Proposal of Head of Department, Applied Mechanics and Hydraulics – Reg.

Resolution of the Senate	Action taken	Senate Resolution
<p>The Senate deliberated on the issue and resolved to consider that the existing format of the M Tech Degree Certificate can be followed without any further modifications.</p>	<p><i>Resolution Noted</i></p>	<p><i>The Senate noted the Action taken</i></p>

Item No. 49.3.10: To consider the request for non-inclusion of Department Name in the PhD Certificate – Proposal from Department of Mining Engg. - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to consider the proposal of the Department of Mining Engineering for non-inclusion of the Department Name in the PhD Certificate from the academic year 2020-21.	To be implemented from academic year 2020-21	The Senate resolved that a Committee to be formed by Dean (Academic) to look into the matter.

Item No. 49.3.11: To consider the Degree Certificates in English and Hindi language– Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to approve that Degree Certificates can be awarded in English and Hindi language from the 17 th Annual Convocation of the Institute.	Resolution implemented	The Senate noted the Action taken

Item No. 49.3.12: To consider the modification in the No Due Certificate submitted by the Research Scholars - Proposal from HoD, Dept. of Chemistry - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved that the subject doesn't come under its purview as it is related to the administrative assessment.	Resolution Noted	The Senate noted the Action taken

Item No. 49.3.13: Any other item with the permission of the Chair

Resolution of the Senate	Action taken	Senate Resolution
No other matters considered for discussion.	NA	NA

Additional Items:

Item No. 49.3.14: To consider the Academic Calendar for the Even Semester 2019-20 and Odd Semester 2020-21 of the Institute – Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to approve the Academic Calendar for the Even Semester 2019-20 and Odd Semester 2020-21 of the Institute.	<i>Resolution implemented</i>	<i>The Senate noted the Action taken</i>

Item No. 49.3.15: To consider the Proposal to start dual degree programs at NITK jointly with foreign universities of repute – Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate deliberated on the proposal to start dual degree programs at NITK jointly with foreign universities of repute and resolved to approve in-principle from the academic year 2021-2022.	<i>The matter was placed before the BoG in its 60th meeting vide Item No.60.3.3 held on 06.01.2020.</i> <i>The BoG resolved that Detailed Project Report (DPR) and financial implications to be worked out and placed in the next meeting to be routed through the Finance Committee.</i>	<i>The Senate noted the Action taken</i>

Item No. 49.3.16: To consider the Sub-Committee Report for the introduction of new U.G. Programme in the Dept. of MACS - Proposal from HoD, MACS - Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate resolved to approve the Sub-Committee Report for the introduction of new BTech Programme in Computational and Data Science in the Department of MACS from the academic year 2020-21.	<i>The matter was placed before the BoG in its 60th meeting vide Item No.60.3.4 held on 06.01.2020.</i> <i>The BoG resolved that Detailed Project Report (DPR) and financial implications to be worked out and placed in the next meeting to be routed through the Finance Committee.</i>	<i>The Senate noted the Action taken</i>

Item No. 49.3.17: To consider the nomination of Dr. Prasanna B D, Associate Professor, Department of Chemical Engineering as Internal Member to the BoG, NITK amongst the Associate Professor Cadre through election process from the Members of Senate – Reg.

Resolution of the Senate	Action taken	Senate Resolution
The Senate noted the nomination of Dr. Prasanna B D, Associate Professor, Department of Chemical Engineering as internal member of BoG, NITK, amongst the Associate Professor cadre through election process from the Members of the Senate. The senate also placed on record its appreciation of Prof. Udaya Bhat K, Professor, Department of Metallurgical and Materials Engineering for his contribution as internal member of BOG.	Resolution Noted	The Senate noted the Action taken

Item No. 50.3: To consider the items placed before the present (50th) Meeting of the Senate to be held on February 28, 2020 at 11:00AM in the Senate Hall of 'C' Block, LHC, NITK, Surathkal - Reg.

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Discussion and Decision Items:

Item No.50.3.1: To consider the Agenda items discussed in the 34th Meeting of the Board of Studies (BoS) held on December 05, 2019 - Reg.

ITEM No: 34-BOS - 1: Introduction of new UG program Elective Courses

a) Department of Electronics and Communication Engineering -

The BOS resolved to recommend the inclusion of following electives in the list of Electives of UG programme.

- I. EC 478 Complex Analysis and Applications (3-1-0)4
- II. EC 479 Computational Inverse Problems and Applications (3-1-0)4
- III. EC 386 Mini Project in Image Processing (0-0-3)2
- IV. EC 387 Mini Project in AI and Machine Learning (0-0-3)2
- V. EC 388 Mini Project in Photonics (0-0-3)2

Annexure-I, Page 1

b) Department of Mechanical Engineering –

The BOS resolved to recommend the inclusion of following elective in the list of Electives of UG programme

- I. ME320 Cryogenics (3-0-0)3

Annexure-II, Page 2

c) Department of Physics –

The BOS resolved to recommend the inclusion of following elective in the list of Electives of UG programme.

- I. Introduction to cosmology (3-0-0)

Annexure-III, Page 3

Resolution of the BOS	Resolution of the Senate
<i>BoS resolved to recommend the item for Senate Approval</i>	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS - 2: Introduction of new course in UG Curriculum:

a) Department of Mechanical Engineering -

The BOS resolved to recommend the inclusion of following course in the list of electives for UG Curriculum as follows

- i) ME319 Mini Project I (0-0-3)2

Annexure-IV, Page 4

Resolution of the BOS	Resolution of the Senate
<i>BoS resolved to recommend the item for Senate Approval</i>	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS - 3: Change of Course Code as per UG Curriculum 2017

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to approve the recommendation of DUGC of the Department of Mechanical Engineering for the Change of Course Code as per UG Curriculum 2017 of ME328 Machine Design offered for Metallurgical and Materials Engineering to ME353 Machine Design.</p> <p>(Annexure-V, Page 5)</p>	<p>The Senate resolved to approve BoS recommendation.</p>

ITEM No: 34-BOS - 4: To start new undergraduate programme in Artificial Intelligence - Proposal of Department of Information Technology

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved after detailed deliberation to constitute a committee to look into the Course Structure and Course Content of the new B.Tech Programme proposed by the department of Information Technology. The sub-committee will submit its final report to the Chairperson, Board of Studies who is authorized to take decision on behalf of the BOS for submission to the Senate(Annexure-VI, Page 6-35)</p>	<p>The Senate resolved to approve the BoS recommendation and resolved that the committee may also look into the modalities such as, whether the programme may be offered by the Department or School .</p>

ITEM No: 34-BOS - 5: To start new undergraduate programme in Engineering physics-proposal of Department of Physics

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the starting of the new B.Tech programme in Engineering Physics proposed by the department of Physics. The Department may submit detailed course structure and course details as per the Institute regulations. It was also resolved to authorise the Chairman, Board of Studies to take decision on behalf of BoS for submission to the Senate. (Annexure-VII, Page 36-41).</p>	<p>The Senate resolved that a committee may be constituted by the Chairman, BOS to assess the need for starting the programme, employability etc. and a Detailed Project Report may be placed in the next BoS.</p>

ITEM No: 34-BOS - 6: Introduction of new PG program Elective Courses

a) Department of Applied mechanics and Hydraulics

The BOS resolved to recommend the inclusion of following elective in the list of Electives of PG programme.

I. AM838 Thermal Remote Sensing

It was resolved that the department may provide (L-T-P) credits of the course for submission to Senate.

(Annexure-VIII, Page 42).

b) Department of Chemical Engineering

The BOS resolved to recommend the inclusion of following elective in the list of Electives of M.Tech (Chemical Engineering) Programme.

I. CH 815 Molecular Simulations (3-0-0)

The BOS resolved to include detailed course content for the existing course as proposed by the Department.

II. CH 704 Instrumental analysis lab (0-0-3)2

(Annexure-IX, Page 43-45).

c) Department of Electronics and Communication Engineering

The BOS resolved to recommend the inclusion of following electives in the list of Electives of PG programme.

M.Tech (Signal Processing and Machine Learning) as follows:

- i) EC874 Detection , Estimation and Statistical Learning Theory (4-0-0)4
- ii) EC875 Probabilistic Models in Machine Learning (4-0-0)4
- iii) EC 876 System Identification and Control (4-0-0)4
- iv) EC 877 Inverse Problems : Theory and Applications (4-0-0)4

M.Tech (Communication Engineering and Networks) as follows:

- i) EC 848 Signal Processing Techniques for Software defined Radios (4-0-0)4
- ii) EC 849 RF Transceiver Systems Design for Wireless Communication : (4-0-0)4
- iii) EC 850 Design and Integrated Circuits for Wireless Communication : (4-0-0)4

(Annexure-X, Page 46-48).

d) Department of Mechanical Engineering

The BOS resolved to recommend the inclusion of following elective in the list of Electives of PG programme.

- i) ME 845 Transport Phenomena in Porous Media (3-0-0)3

(Annexure-XI, Page 49-50).

e) Department of Physics

The BOS resolved to recommend the inclusion of following elective in the list of Electives of PG programme.

- i) Classical Field Theory (3-0-0)
ii) Cosmology (3-0-0)

(Annexure-XII, Page 51-53).

Resolution of the BOS	Resolution of the Senate
BoS resolved to recommend the item for Senate Approval	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS - 7: Renaming of M Tech programme in Remote Sensing and GIS as M Tech in Geoinformatics

Resolution of the BOS	Resolution of the Senate
The BOS resolved to approve the recommendation of DFC of the Department of Applied Mechanics and Hydraulics to rename the M Tech programme in Remote Sensing and GIS as M Tech in Geoinformatics. (Annexure-XIII, Page 54-55).	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS - 8: Modification in Regulations specific to M.Tech Degree programme

Resolution of the BOS		Resolution of the Senate							
<p>The BoS resolved to recommend the modifications in regulations specific to M Tech Degree programme. The details are as follows:</p>		<p>The Senate resolved to approve BoS recommendation.</p>							
Existing	Proposed								
<p>4. DEGREE REQUIREMENTS: 4.1 The degree requirements of a student for the M.Tech. Degree programme are as follows: (a) Institute Requirements:</p> <ul style="list-style-type: none"> i) Minimum Earned Credit Requirement for Degree is 50-55. ii) Securing a CGPA of at least 5.50 in the Course Work. iii) Satisfactory completion of all Mandatory Learning Courses. 	<p>4. DEGREE REQUIREMENTS: 4.1 The degree requirements of a student for the M.Tech. Degree programme are as follows: (b) Institute Requirements:</p> <ul style="list-style-type: none"> i) Minimum Earned Credit Requirement for Degree is 50-55. ii) Securing overall CGPA of at least 5.50. iii) Satisfactory completion of all Mandatory Learning Courses. 								
<p>5. TERMINATION FROM THE PROGRAMME: A student shall be required to leave the Institute without the award of the Degree, under the following circumstances:</p> <p>(a) If a student fails to earn the minimum credit specified below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Check Point</th> <th>Credit Threshold</th> </tr> </thead> <tbody> <tr> <td>End of FIRST year</td> <td>20</td> </tr> </tbody> </table> <p>Note: The period of temporary withdrawal is not to be counted for the above Credit Threshold.</p> <p>(b) If a student is absent for more than 6(Six) weeks in a semester without sanctioned leave.</p>	Check Point	Credit Threshold	End of FIRST year	20	<p>5. TERMINATION FROM THE PROGRAMME: A student shall be required to leave the Institute without the award of the Degree, under the following circumstances:</p> <p>a) If a student fails to earn the minimum credit specified below:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Check Point</th> <th>Credit Threshold</th> </tr> </thead> <tbody> <tr> <td>End of FIRST year</td> <td>20</td> </tr> </tbody> </table> <p>Note: The period of temporary withdrawal is not to be counted for the above Credit Threshold.</p> <p>b) If a student is absent for more than 6(Six) weeks in a semester without sanctioned leave.</p>	Check Point	Credit Threshold	End of FIRST year	20
Check Point	Credit Threshold								
End of FIRST year	20								
Check Point	Credit Threshold								
End of FIRST year	20								

<p>(c) If CGPA of at least 5.50 is not secured in the course work. {in such cases the student is given the option of getting the P.G. Diploma Instead of the M.Tech.Degree}. However, students with CGPA>5.50 may opt for P.G. Diploma after the completion of the course work.</p>	<p>c) If overall CGPA of at least 5.50 is not secured. {in such cases the student is given the option of getting the P.G. Diploma Instead of the M.Tech. Degree}.</p>	
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ITEM No: 34-BOS - 9: Modification in Regulations specific to M.Sc. Degree programme

Resolution of the BOS		Resolution of the Senate
<p>The BoS resolved to modify the regulations specific to M Sc Degree programme. The details are mentioned below :</p>		<p>The Senate resolved to approve BoS recommendation.</p>
Existing	Proposed	
<p>3.5. M Sc Project (e) The final evaluation is done by a Project work Evaluation Committee (PWEC) constituted by the pertinent DPGC. There shall be an open seminar followed by a viva-voce examination as part of the final evaluation. After the final evaluation, appropriate double letter grade is awarded, which will not be considered for SGPA and CGPA calculations</p>	<p>The final evaluation is done by a Project work Evaluation Committee (PWEC) constituted by the pertinent DPGC. There shall be an open seminar followed by a viva-voce examination as part of the final evaluation. After the final evaluation, appropriate double letter grade is awarded, which will be considered for SGPA and CGPA calculations</p>	
<p>7.0. Conversion from M.Sc to Dual degree (M.Sc + PhD) Programme: M.Sc students who have secured more than 8.5 CGPA after the completion of first year can opt to convert to Ph.D. They should have joined the M.Sc programme with a valid NET/GATE score. Procedure laid out for Ph.D admissions will be applicable for conversion from M.Sc to Ph.D. The students who convert from M.Sc to Ph.D will be awarded M.Sc degree on submission of Ph.D synopsis. Course work of the Ph.D programme can be waived in this case. However, these students have to</p>	<p>Conversion from M.Sc to Dual degree (M.Sc+PhD) Programme: M.Sc students who have secured more than 8.5 CGPA after the completion of first year can opt to convert to Ph.D. They should have obtained a valid NET/GATE score before the start of second year. Procedure laid out for Ph.D admissions will be applicable for conversion from M.Sc to Ph.D. The students who convert from M.Sc to Ph.D will be awarded M.Sc degree on submission of Ph.D synopsis. Course work of the Ph.D programme can be waived in this case. However, these</p>	

<p>complete the Research methodology course in addition to the second year courses of the M Sc programme. In case of termination of student from a PhD programme, he/she will be evaluated for the work done till then, to award the M.Sc degree.</p>	<p>students have to complete the Research methodology course in addition to the second year courses of the MSc programme. In case of termination of student from a PhD programme, he/she will be evaluated for the work done till then, to award the M.Sc degree.</p>													
<p>4. DEGREE REQUIREMENTS: 4.1 The degree requirements of a student for the M.Sc. Degree programme are as follows: (a) Institute Requirements: (i) Minimum Earned Credit Requirement for Degree 80. (ii) Securing a CGPA of at least 5.50 in the Course Work. (iii) Satisfactory completion of all Mandatory Learning Courses</p>	<p>4. DEGREE REQUIREMENTS: 4.1 The degree requirements of a student for the M.Sc. Degree programme are as follows: (a)Institute Requirements: (i)Minimum Earned Credit Requirement for Degree 80. (ii)Securing overall CGPA of at least 5.50 (iii)Satisfactory completion of all Mandatory Learning Courses</p>													
<p>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:</p> <table border="1" data-bbox="127 1254 614 1355"> <thead> <tr> <th>Check Point</th> <th>Credit Threshold</th> </tr> </thead> <tbody> <tr> <td>End of FIRST year</td> <td>20</td> </tr> <tr> <td>End of SECOND year</td> <td>40</td> </tr> </tbody> </table> <p>Note: The period of temporary withdrawal is not to be counted for the above Credit Threshold.</p> <p>(b) If a student is absent for more than 6 (Six) weeks in a semester without sanctioned leave. (c) If a CGPA of at least 5.50 is not secured in the Course Work. (d) Based on disciplinary action suggested by the Senate, on the recommendation of the appropriate committee.</p>	Check Point	Credit Threshold	End of FIRST year	20	End of SECOND year	40	<p>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:</p> <table border="1" data-bbox="646 1288 1077 1422"> <thead> <tr> <th>Check Point</th> <th>Credit Threshold</th> </tr> </thead> <tbody> <tr> <td>End of FIRST year</td> <td>20</td> </tr> <tr> <td>End of SECOND year</td> <td>40</td> </tr> </tbody> </table> <p>Note: The period of temporary withdrawal is not to be counted for the above Credit Threshold. (b) If a student is absent for more than 6 (Six) weeks in a semester without sanctioned leave. (c) If overall CGPA of at least 5.50 is not secured. (d) Based on disciplinary action suggested by the Senate, on the recommendation of the appropriate committee.</p>	Check Point	Credit Threshold	End of FIRST year	20	End of SECOND year	40	
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ITEM No: 34-BOS - 10: Modification in Regulations specific to MCA Degree programme

Resolution of the BOS		Resolution of the Senate																	
<p>The BoS resolved to recommend the modification in the regulations specific to MCA Degree programme. The details are mentioned below:</p>		<p>The Senate resolved to approve BoS recommendation.</p>																	
Existing	Modification proposed																		
<p>2.4: Major Project</p> <p>(e)The final evaluation is done by a Project Work Evaluation Committee (PWEC) constituted by the pertinent DPGC. There shall be an open seminar followed by a viva-voce examination as part of the final evaluation. After the final evaluation, appropriate double-letter grade is awarded, which will not however be considered for SGPA and CGPA calculations</p>	<p>2.4: Major Project</p> <p>The final evaluation is done by a Project Work Evaluation Committee (PWEC) constituted by the pertinent DPGC. There shall be an open seminar followed by a viva-voce examination as part of the final evaluation. After the final evaluation, appropriate double-letter grade is awarded, which will be considered for SGPA and CGPA calculations</p>																		
<p>3. DEGREE REQUIREMENTS:</p> <p>3.1 The degree requirements of a student for the M.C.A. programme are as follows:</p> <p>(a) <i>Institute Requirements:</i></p> <p>i) Minimum Earned Credit Requirement for Degree is 102.</p> <p>ii) Securing a CGPA of at least 5.50 in the Course Work.</p> <p>iii) Satisfactory completion of all mandatory Learning Courses.</p>	<p>3. DEGREE REQUIREMENTS:</p> <p>3.1 The degree requirements of a student for the M.C.A. programme are as follows:</p> <p>(a) <i>Institute Requirements:</i></p> <p>i) Minimum Earned Credit Requirement for Degree is 102.</p> <p>ii) Securing overall CGPA of at least 5.50</p> <p>iii) Satisfactory completion of all Mandatory Learning Courses.</p>																		
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ITEM No: 34-BOS - 11: To consider Management Aptitude test (MAT) in addition to Common Admission Test (CAT) from the Academic year 2020-2021 for admission to MBA Program Proposal of School of Management.

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to approve the recommendation of the DFC of School of Management to consider Management Aptitude test (MAT) in addition to Common Admission Test (CAT) from the Academic year 2020-2021 for the admission to MBA Program. Further BoS resolved to approve the recommendation of the DFC not to consider Common Management Admission Test (CMAT) and Graduate Management Admission Test (GMAT) for the admission to MBA program from the academic year 2020-21. It was resolved to recommend the proposal of the department to consider Institute level selection test for short listing the candidates for any vacant seats. (Annexure-XIV, Page 51-56).</p>	<p>The Senate resolved to approve the BoS recommendations but resolved not to consider the Institute level selection test for short listing the candidates for any vacant seats. It was further resolved to include Graduate Aptitude Test in Engineering (GATE) also for the admission to MBA Program from 2021-22 academic year onwards.</p>

ITEM No: 34-BOS - 12: Restructuring of the PG programs offered by the Department of Metallurgical and Materials Engineering

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to defer the proposal of the DFC of the Department of Metallurgical and Materials Engineering to offer only one PG program M. Tech in Metallurgical and Materials Engineering with the intake of 59 from the next academic year 2020-21. The department was asked to resubmit the proposal with details.</p>	<p>The Senate noted the resolution of BoS.</p>



ITEM No: 34-BOS - 13: To start new M Tech programme - proposal of Department of Mining Engineering.

Resolution of the BOS	Resolution of the Senate
The BoS resolved to approve the proposal of the department of Mining Engineering. The department may submit detailed course structure and course details as per institute regulations after vetting through experts from Industry and Academia. It was also resolved to authorise the Chairman Board of Studies to take decision on behalf of the BoS for submission to the Senate. (Annexure –XV,Page 57-69)	The Senate resolved to approve the BoS recommendation to start the new M Tech programme , M Tech in Industrial Safety and Health Engineeringwith initial intake of 15 students

ITEM No: 34-BOS - 14: Modification of course structure suggested plan of B.Tech programme - Department of Electronics and Communication Engineering

Resolution of the BOS	Resolution of the Senate
The BOS resolved to approve the recommendation of DUGC of the Department of Electronics and Communication Engineering to modify the Course structure and plan of study of B Tech programme. . (Annexure –XVI,Page 70)	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS – 15: Course code for the SPARC winter School on Applications of Machine Learning Techniques to Medical Image Processing.

Resolution of the BOS	Resolution of the Senate
The BoS resolved to approve the proposal of the Department of E&C to treat the course EC 899 – Applications of Machine Learning Techniques to Medical Image Analysis (3-0-2), conducted during a Winter School from 1-20th of December under the SPARC project, equivalent to a 4-credit M.Tech Elective (3-0-2) and permit the students to acquire 4 credits for the same. (Annexure –XVII,Page 71-72)	The Senate resolved to approve BoS recommendation.

ITEM No: 34-BOS - 16: Modification in Regulations specific to PhD Degree Programme

Resolution of the BOS		Resolution of the Senate				
<p>The BoS resolved to recommend the modification in regulations specific to PhD Degree programme. The details are mentioned below:</p> <table border="1"> <thead> <tr> <th>Existing</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td> <p>3.4. In the case of Full time/External registrant sponsored student from the industry or other organizations, the minimum of one semester residential requirement may be waived by DRPC, on case to case basis. These students may be allowed to do pre-approved certified MOOCs and also a self-study course, towards 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course.</p> </td> <td> <p>3.4. A minimum of 70 days (preferably first semester) residential requirement is to be completed by all the external registrants during the completion of course credit requirements. However, external registrant sponsored from industry or other organizations may be allowed by DRPC on case to case basis, to do pre-approved certified MOOCs courses and also a self-study course, towards the requirement of 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course. Such external registrants still need to complete the 70 days residential requirement, by multiple visits spread over the entire duration of Doctoral programme. The duration and number of such visits to the Institute shall be decided by the Research guide.</p> </td> </tr> </tbody> </table>		Existing	Proposed	<p>3.4. In the case of Full time/External registrant sponsored student from the industry or other organizations, the minimum of one semester residential requirement may be waived by DRPC, on case to case basis. These students may be allowed to do pre-approved certified MOOCs and also a self-study course, towards 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course.</p>	<p>3.4. A minimum of 70 days (preferably first semester) residential requirement is to be completed by all the external registrants during the completion of course credit requirements. However, external registrant sponsored from industry or other organizations may be allowed by DRPC on case to case basis, to do pre-approved certified MOOCs courses and also a self-study course, towards the requirement of 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course. Such external registrants still need to complete the 70 days residential requirement, by multiple visits spread over the entire duration of Doctoral programme. The duration and number of such visits to the Institute shall be decided by the Research guide.</p>	<p>The Senate resolved that the proposal of modifications on residential requirements may be given after considering the UGC guidelines.</p>
Existing	Proposed					
<p>3.4. In the case of Full time/External registrant sponsored student from the industry or other organizations, the minimum of one semester residential requirement may be waived by DRPC, on case to case basis. These students may be allowed to do pre-approved certified MOOCs and also a self-study course, towards 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course.</p>	<p>3.4. A minimum of 70 days (preferably first semester) residential requirement is to be completed by all the external registrants during the completion of course credit requirements. However, external registrant sponsored from industry or other organizations may be allowed by DRPC on case to case basis, to do pre-approved certified MOOCs courses and also a self-study course, towards the requirement of 12 credits. Examination will be conducted for such certified courses to award grades, by the department. They also need to do a certified Research methodology course. Such external registrants still need to complete the 70 days residential requirement, by multiple visits spread over the entire duration of Doctoral programme. The duration and number of such visits to the Institute shall be decided by the Research guide.</p>					

ITEM No: 34-BOS - 17: Guidelines for PhD Re-registration after termination

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to consider the guidelines for re-registration of the PhD programme on termination of Registration due to extension beyond seven years of PhD programme.(Annexure –XVIII,Page 73-74)</p>	<p>The Senate resolved to approve BoS recommendation</p>



ITEM No: 34-BOS - 18: Change in constitution of DRPC structure - Proposal of Department Engineering

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to approve the proposal of the DFC of the Department of Electronics and Communication Engineering and Dean (Alumni Affairs & Institutional Relations) for change in constitution of DRPC from existing structure of having all faculty with Ph. D degree to a new structure having same constitution that of DPGC.</p> <p>The proposed constitution of the DRPC is as follows:</p> <ol style="list-style-type: none"> I. Head of the Department – Chairperson II. Two Professors (by rotation for one year) - Member III. Two Associate Professors (by rotation for one year)- Member IV. Two Assistant Professors (by rotation of one year)- Member V. Research Guide <p>For matter pertaining to a particular Research Scholar, Research Guide and additional guide shall be the invited members.</p>	<p>The Senate resolved to decline BoS recommendation and to retain the existing structure for DRPC constitution.</p>

ITEM No: 34-BOS - 19: Revision in qualifying discipline and eligibility criteria for admission to PhD programme in Mining Engineering

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved not to consider the proposal of the DRPC of the Department of Mining Engineering regarding revision of eligibility criteria for admission to PhD programme, as the Institute follows common eligibility criteria for admissions to its PhD programme while Specializations for admission is the discretion of the respective departments and decision may be taken by the concerned DRPC.</p>	<p>The Senate resolved to approve BoS recommendation.</p>

ITEM No: 34-BOS - 20: Inclusion of External Additional Guides

Resolution of the BOS	Resolution of the Senate
<p>a) Department of Mechanical Engineering.</p> <p>The BOS resolved to approve that, Dr. T Ram Prabhu, Scientist, DRDO Bangalore be considered for inclusion as an Additional Research Guide for Mr. Ashok Kumar S (197ME502) in the department of Mechanical Engineering.</p> <p>b) Department of Electronics & Communication Engineering.</p> <p>The BOS resolved to approve that, Dr. B. Hariram Selvamurugan Satheesh be considered for inclusion as an Additional Research Guide (Co guide) for Ms. Asha G H (187EC500) in the department of Electronics & Communication Engineering.</p>	<p>The Senate resolved to approve BoS recommendation.</p>

ITEM No: 34-BOS - 21: Recognition of faculty as Research Guides

Resolution of the BOS	Resolution of the Senate
The BOS resolved to ratify the list of faculty who were recognized as Research Guide after 33rd BOS meeting based on the respective DRPC recommendations.	The Senate noted the resolution of BoS.

Item No.50.3.2: To consider the Seat Matrix of all Academic Programmes of the Institute for the academic year 2020-2021 – Reg.

Resolution: The Senate resolved to approve the seat matrix of all the programmes taking EWS category into consideration and Female reservation for B.Tech Programme. It was further resolved to exclude B .Tech Mining Engineering from PWD reservation.

Item No. 50.3.3: To consider the admission of students made under PhD programme for the academic year 2019-20 (December Session)– Reg.

Resolution: The Senate resolved to approve the admission of students made under PhD programme for the academic year 2019-20 (December Session).

Item No. 50.3.4: To consider the courses completed under minor as electives, if a student does not become eligible to get the minor degree -Reg.

Resolution: The Senate resolved to approve that:

If a student who has registered for Minor programme, does not become eligible to get the minor degree, then the credits for completed minor courses are to be shown in grade card, but not included for CGPA calculations. It was further resolved to charge the students with a fee for registering to Minor Courses.

Item No. 50.3.5: To consider the course code and course category abbreviation for minor course – Reg.

Resolution: The Senate resolved

- (a) to approve the proposal of inclusion of suffix 'M' to the course code of Minor courses.
- (b) to approve the proposal to consider the course category abbreviation of Minor courses as 'Mn'

Item No. 50.3.6: To consider CGPA up to fourth semester for eligibility to register for Honours courses-Reg.

Resolution: The Senate resolved to approve the proposal that:

A student can opt Honors after the end of fourth Semester and register for Honors Courses from Fifth to Eighth Semester. Students who have cleared all the courses of first to fourth semester in first attempt and obtained a CGPA of 8.0 and above at the end of fourth semester are eligible to register for Honors courses.

The Senate further resolved that, if a student who has registered for Honors programme, does not become eligible to get the Honors degree, then the credits for completed Honors courses are to be shown in grade card, but not included for CGPA calculations. It was further resolved to charge the students with a fee for registering to Honors Courses.

Item No. 50.3.7: To consider inclusion of termination clause in view of comprehensive exam for Ph.D - Reg.

Resolution: The Senate resolved to approve the inclusion of termination clause in view of comprehensive exam for Ph.D and include the following point in PhD regulation Clause no. 8 (Termination of the programme):

b) If a student fails to qualify in the comprehensive exam in two attempts or within one and a half years from joining the programme.

Item No. 50.3.8: To consider granting attendance to students for participating in curricular and extra-curricular activities – Reg. (From Dean (SW)) – Reg.

Resolution: The Senate resolved to grant a maximum of 7 days attendance in a semester to those students who have been absent for participating in curricular and extra-curricular activities.

Item No. 50.3.9: To consider declaring attendance shortage and not allowing to write the Mid-Sem Examination – Reg. (From Den (SW) - Reg.

Resolution: The Senate resolved that every faculty must compulsorily update attendance in IRIS and it shall be ethical responsibility of the faculty to update the students and parents about their attendance.

However, the Senate declined the proposal of not allowing the students with attendance shortage to write Mid-sem exam.

Item No. 50.3.10: To consider the change of course codes of B.Tech. (Civil Engineering) courses – Reg.

Resolution: The Senate resolved to approve the changes in course codes for some of the courses of B.Tech (Civil Engineering).

Item No. 50.3.11: Any other item with the permission of the Chair

No other matters considered for discussion.

Meeting ended with vote of thanks to the Chair.



(K. Ravindranath)
Secretary-Senate
NITK, Surathkal.



(K. Umamaheshwar Rao)
Chairman-Senate
NITK, Surathkal.