



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA
SURATHKAL**

MINUTES

OF

40th SENATE MEETING

Date : 15.07.2016 (Friday)

Time : 10.30 a.m. onwards

**Venue : Lecture Hall Complex -A
N.I.T.K., Surathkal
MANGALURU
PIN - 575 025.**

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
MANGALORE – 575 025**

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**Proceedings of the 40th meeting of the Senate of N.I.T.K. Surathkal held on
15.07.2016 at 10.30 a.m in the Lecture Hall Complex -A of N.I.T.K. Surathkal.**

MEMBERS PRESENT:

K.N.Lokesh	.....	Chairman
Katta Venkataramana	.....	Member
Udayakumar R.Y.	.....	Member
K. Chandrasekaran	.....	Member
A. Chitharanjan Hegde	.....	Member
A. Nityananda Shetty	.....	Member
A. Vittal Hegde	.....	Member
A.H. Sequeira	.....	Member
A.O. Surendranathan	.....	Member
A.V. Adhikari	.....	Member
Ananthanarayana V.S.	.....	Member
B. Raj Mohan	.....	Member
B. Ramachandra Bhat	.....	Member
D. Krishna Bhat	.....	Member
D. Venkat Reddy	.....	Member
Dwarakish G.S.	.....	Member
G. Ram Mohana Reddy	.....	Member
G. Srinikethan	.....	Member
G. Umesh	.....	Member
Gangadharan K.V.	.....	Member
H. Suresh Hebbar	.....	Member
H.D. Shashikala	.....	Member
Jagannath Nayak	.....	Member
John D'Souza	.....	Member
K. B. Kiran	.....	Member
K. K. Appu Kuttan	.....	Member
K. Narayan Prabhu	.....	Member
K. Panduranga Vittal	.....	Member

K. Swaminathan	.....	Member
K.S. Babu Narayan	.....	Member
Kasturi V. Bangera	.....	Member
Kiran G.Shirlal	.....	Member
M. Govinda Raj	.....	Member
M.B. Saidutta	.....	Member
M.C. Narasimhan	.....	Member
M.S. Bhat	.....	Member
Muralidhar Kulkarni	.....	Member
Murulidhar N.N	.....	Member
N. K. Udayashankar	.....	Member
N. Lakshman	.....	Member
Prasad Krishna	.....	Member
R. Shivashankar	.....	Member
S. Sumam David	.....	Member
S.M. Hegde	.....	Member
S.M. Kulkarni	.....	Member
Santosh George	.....	Member
Sitaram Nayak	.....	Member
Srikantha S. Rao	.....	Member
Subba Rao	.....	Member
Subhas C.Yaragal	.....	Member
U. Sripati	.....	Member
Udaya Bhat K	.....	Member
Vani M	.....	Member
Vinatha U	.....	Member
Anusuya Chakari	.....	Member
K. Ravindranath	.....	Secretary

Preamble:

At the outset of the meeting Chairman welcomed all the members to the 40th Senate Meeting.

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

Item No. 40.1: CONFIRMATION OF MINUTES OF THE 39th MEETING OF THE SENATE HELD ON OCTOBER 05, 2016.

The Senate resolved to confirm the minutes of the 39th Senate Meeting.

Item No. 40.2: REVIEW OF ACTION TAKEN ON THE MINUTES OF 39th SENATE MEETING HELD ON OCTOBER 05, 2016.

The actions taken on the minutes of the 39th Senate meeting were noted.

Item No. 40.3: ITEMS PLACED BEFORE THE 40th SENATE MEETING HELD ON JULY 15, 2016

Discussion and Decision Items:

Item No.40.3.1: Agenda items discussed in the 30th BOS meeting held on April 19, 2016.

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30-BOS-1 Introduction of new UG program Specific Elective Course-

Resolution of the BOS	Resolution of the Senate
<p>ITEM No: 30-BOS-1:</p> <p>Introduction of new UG program Specific Elective Course-</p> <p>a) Department of Electrical and Electronics Engg., The BOS resolved to recommend two new laboratory courses in the curriculum under Programme Specific Electives:</p> <p>i) EE423 - Switchgear and protection laboratory (0-0-3) 2 Laboratory exercises and assignments to provide additional support to EE422.</p>	<p>The Senate resolved to approve the recommendations of BOS.</p>



- ii) EE 471- Power System Simulation
Laboratory - 2 (0-0-3) 2
Laboratory exercises and assignments to provide additional support to EE470.

The BOS resolved to recommend 5 new courses in the curriculum under programme Specific Electives:

- i) EE295 – Electrical machine winding calculations - 1 (0-2-3) 4
- ii) EE296 – Electrical Machine Winding Calculations – 2 (0-2-3) 4
- iii) EE500 – System Analysis in Discrete Time (3-1-0) 4
- iv) EE501 – Analysis of Nonlinear Circuits (3-1-0) 4
- v) EE430 – Robot Dynamics and Control (3-1-0) 4

The BOS resolved to reallocate the course codes.

b) The Department of Mechanical Engineering :

The BOS resolved to recommend an addition of new elective courses as follows:

- ME215 Mini Project I
- ME312 Introduction to Aircraft Structures
- ME315 Rotor Dynamics
- ME328 Metal Forming
- ME 330 Introduction to Robotics
- ME 331 Mini Project II
- ME429 Analytical Mechanics
- ME437 Non Linear and Random Vibrations
- ME439 Introduction to Laser Processing of Materials

c) The Department of Computer Science & Engineering:

The BOS resolved to recommend the following :

- i) There will be three different pools of electives to be taken by second, third, fourth year UG students. They can take any subjects from these pool during respective years.
- ii) To change the B.Tech degree name from Computer Engineering to Computer Science and Engineering from 2017 onwards.
- iii) To include two new UG program specific elective course approved by DUGC, for inclusion in the Curriculum :
 - i. CO473 - Algorithmic Graph Theory (3-0-0) 3
 - ii. CO317 - Introduction to Graph Theory (3-0-0) 3

<p>d) The department of Electronics and Communication Engineering : The BOS resolved to recommend the addition of 8 new electives to the B.Tech Curriculum :</p> <p>EC451–Detection and estimation theory (3-0-0) 3 EC452 –Dynamical systems, chaos and fractals (3-0-0) 3 EC453 – Statistical analysis and applications (3-0-0) 3 EC454 – Numerical analysis and applications (3-0-0) 3 EC455 – Stochastic processes and applications (3-0-0) 3 EC456 – Complex analysis with applications (3-0-0) 3 EC457 – Fourier and Wavelet Signal Processing (3-1-0) 4 EC458 – Mathematical algorithms for signal processing (3-1-0) 4</p>	
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ITEM No: 30-BOS-2: Modification of courses in the curriculum under UG Programme Specific Electives:

Resolution of the BOS	Resolution of the Senate												
<p>a) Department of Electrical and Electronics Engg., The BOS resolved to recommend modification of course EE404 in the curriculum under Programme Specific Electives. EE404 – Soft Computing and Applications (3-1-0) 4</p> <p>a) The Department of Mechanical Engineering : The BOS resolved to recommend rearranging of elective courses among 200, 300 and 400 series, change in title of some courses and content revision of some existing courses. The BOS resolved to recommend to revise the current list (2015 UG Curriculum) of Programme specific Electives as given below:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Proposed Course No. and Title</th> <th style="text-align: left;">Remarks</th> </tr> </thead> <tbody> <tr> <td>ME210 Mechanical Behavior of Engg. Materials</td> <td>Modified course contents attached</td> </tr> <tr> <td>ME211 Fuels And Combustion</td> <td>Same as in 2015 UG curriculum</td> </tr> <tr> <td>ME212 Synthesis of Mechanisms</td> <td>Changed from 300 series to 200 series [ME312 to ME212]</td> </tr> <tr> <td>ME 213 Fundamentals of Turbo Machines</td> <td>Changed from 300 series to 200 series [ME 315 to ME213] Title Change from Turbo Machines to Fundamentals of Turbo Machines</td> </tr> <tr> <td>ME 214 Quality Control</td> <td>Changed from 300 series to 200 series [ME321 to ME214]</td> </tr> </tbody> </table>	Proposed Course No. and Title	Remarks	ME210 Mechanical Behavior of Engg. Materials	Modified course contents attached	ME211 Fuels And Combustion	Same as in 2015 UG curriculum	ME212 Synthesis of Mechanisms	Changed from 300 series to 200 series [ME312 to ME212]	ME 213 Fundamentals of Turbo Machines	Changed from 300 series to 200 series [ME 315 to ME213] Title Change from Turbo Machines to Fundamentals of Turbo Machines	ME 214 Quality Control	Changed from 300 series to 200 series [ME321 to ME214]	<p>The Senate resolved to approve the recommendations of BOS.</p>
Proposed Course No. and Title	Remarks												
ME210 Mechanical Behavior of Engg. Materials	Modified course contents attached												
ME211 Fuels And Combustion	Same as in 2015 UG curriculum												
ME212 Synthesis of Mechanisms	Changed from 300 series to 200 series [ME312 to ME212]												
ME 213 Fundamentals of Turbo Machines	Changed from 300 series to 200 series [ME 315 to ME213] Title Change from Turbo Machines to Fundamentals of Turbo Machines												
ME 214 Quality Control	Changed from 300 series to 200 series [ME321 to ME214]												

ME310	Measurements in Thermal systems	Same as in 2015 UG curriculum
ME311	Hydraulic and Pneumatic Control	Same as in 2015 UG curriculum
ME313	Internal Combustion Engines	Same as in 2015 UG curriculum
ME314	Mechatronics System Design	Same as in 2015 UG curriculum
ME316	Theory of Elasticity	Same as in 2015 UG curriculum
ME317	Refrigeration Technology	Same as in 2015 UG curriculum
ME332	Composite Materials	Changed from 400 series to 300 series
ME318	Manufacturing Technology of Polymers	Change of Title from Manufacturing Technology of Plastics to Manufacturing Technology of Polymers
ME319	Mechanics of Compressible Fluids	Same as in 2015 UG curriculum
ME320	Automation Systems	Changed from 400 series to 300 series [ME422 to ME321]
ME321	Welding Technology	Changed from 400 series to 300 series [ME429 to ME 321]
ME322	Automatic Control Engineering	Same as in 2015 UG curriculum
ME323	Production and Operations Management	Changed from 400 series to 300 series [ME437 to ME323]
ME324	Product Development and Prototyping	Modified course contents attached
ME325	Manufacturing and Design of MEMS	Same as in 2015 UG curriculum
ME326	Flexible Manufacturing Systems	Changed from 400 series to 300 series [ME431 to ME326]
ME327	Metal Cutting and Press Working	Changed from 200 series to 300 series [ME212 to ME327]
ME329	Basics of Computational Fluid Dynamics	Modified course contents attached
ME410	Non-Conventional energy Sources	Same as in 2015 UG curriculum
ME411	Pollution Control & Environmental Management	Same as in 2015 UG curriculum
ME412	Operations Research	Same as in 2015 UG curriculum

ME413	Microprocessors and PLC	Same as in 2015 UG curriculum
ME414	Advanced IC Engines	Same as in 2015 UG curriculum
ME415	Theories of Engineering Fracture	Change in Title from Fracture Mechanics to Theories of Engineering Fracture
ME416	Cryogenics	Same as in 2015 UG curriculum
ME417	Applied Finite Element Method	Same as in 2015 UG curriculum
ME418	Automobile Engineering	Changed from 300 series to 400 series [ME320 to ME418]
ME419	Propulsion	Same as in 2015 UG curriculum
ME420	Mechanical Vibration & Acoustics	Same as in 2015 UG curriculum
ME421	Theory of Plasticity	Same as in 2015 UG curriculum
ME422	Human Factors in Engineering Design	Changed from 300 series to 400 series [ME323 to ME 422]
ME423	Nuclear Energy	Same as in 2015 UG curriculum
ME424	Industrial Tribology	Same as in 2015 UG curriculum
ME425	Engineering Acoustics	Same as in 2015 UG curriculum
ME426	Applied Computational Methods in Mechanical Sciences	Same as in 2015 UG curriculum
ME427	Collaborative Manufacturing	Same as in 2015 UG curriculum
ME428	Air Conditioning Technology	Same as in 2015 curriculum
ME429	Analytical Mechanics	New course proposed. Content attached
ME430	Theory of Fatigue Analysis	Change in Title from Advanced Machine Design to Theory of Fatigue Analysis
ME431	Contemporary Product Design	New course proposed. Content attached
ME432	Design of Solar Energy Systems	Same as in 2015 UG curriculum
ME433	Energy Audit and Management	Same as in 2015 UG curriculum
ME434	Experimental Stress Analysis	Same as in 2015 UG curriculum

ME435	Modeling & simulation of Engineering Systems	Same as in 2015 UG curriculum	
ME436	Data Base Management Systems	Same as in 2015 UG curriculum	
ME438	Polymer Nano Composites	Same as in 2015 UG curriculum	
b) <u>The Department of Computer Science & Engineering:</u>			
The BOS resolved to recommend that,			
i) Revision of syllabus for the electives of UG courses: CO460 – High Performance Computing (3-0-0)3 CO471 – Parallel Programming (1-0-3)3			
ii) To change the course code of elective CO423 – Machine Intelligence to CO472.			

ITEM No: 30-BOS-3: Introduction of New PG Level Elective Courses-

Resolution of the BOS	Resolution of the Senate
<p>a) Department of Electrical and Electronics Engg., The BOS resolved to recommend the introduction of PG level elective courses in to the curriculum as follows:</p> <ol style="list-style-type: none"> PS867 – Power System Simulation Laboratory (0-0-3) 2 PS818 – Advanced Semiconductor Devices (3-0-0) 3 PS820 – Analysis of Faulted Power Systems(4-0-0) 4 PS868 – Switched Electric Network–Power Electronics Perspective (4-0-0) 4 PS869 – Tensors (4-0-0) 4 PS870 – Tensor Analysis of Networks (4-0-0) 4 PS809 – DC-AC System Interaction (Content Modification) (3-1-0) 4 	<p>The Senate Resolved to approve the recommendations of BOS with regard to introduction of new elective courses.</p> <p>The Senate resolved to defer the BOS recommendations on inclusion of grades of Major Project in CGPA calculations for MTech programmes.</p>
<p>b) Department of Mechanical Engg., The BOS resolved to recommend the inclusion of two new courses as follows: DP850 – Design of Aircraft Structures ME850 – Modern Control Engineering</p>	
<p>c) The Department of Electronics and Communication Engineering. The BOS resolved to recommend the addition of nine new electives to the curriculum of M.Tech in Communication Engineering.</p>	

<p>d) The Department of Information Technology :</p> <p>The Department has recommended to include the Grades of Major Project (IT898: Major Project I – 6 Credits and IT899: Major Project II – 14 Credits) for CGPA Calculation of M.Tech (IT) students. The BOS resolved to recommend the inclusion of Major Project Grades for CGPA Calculation in all the M.Tech programmes.</p>	
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ITEM No: 30-BOS-4: Modification of courses in the curriculum under PG Programme:

Resolution of the BOS	Resolution of the Senate
<p>a) Department of Electrical and Electronics Engg., The BOS resolved to recommend the correction of the typographical error for the course for which the word "System" is missing. PS859 – Computational Methods for Large Power System</p> <p>b) Department of Mechanical Engg., The BOS resolved to recommend the modification of the following subjects at PG level: MF704 Manufacturing Systems Lab I MF707 Manufacturing Systems Lab II MF705 Metrology and Instrumentation</p> <p>PG Major Project BOS discussed in the Item No. 30-BOS-3. Request for increase in PG students intake to 30 in all the department PG programs BOS resolved to defer the proposal.</p> <p>Uniform course code for all courses offered by different departments at PG level BOS resolved to recommend individual departments to decide as per DPGC recommendations.</p>	<p>The Senate resolved to approve the recommendations of BOS.</p>

<p>c) The Department of Applied Mechanics and Hydraulics :</p> <p>The BOS resolved to recommend the re-orientation of postgraduate courses offered by the Department of Applied Mechanics & Hydraulics from the academic year 2016-17. It has proposed to have two electives in each semester instead of one and three.</p> <p>d) The Department of Computer Science & Engineering:</p> <p>The BOS resolved to recommend that,</p> <ol style="list-style-type: none"> i. There will be one pool of electives for PG courses which are to be taken in respective years which are to be taken in respective years by PG students independent for different PG program. Apart from these there will be one open elective group. ii. A faculty must be free to offer any elective of his choice even though the subject is offered by other departments. <p>BOS resolved to defer the matter.</p> <ol style="list-style-type: none"> iii. Revision of syllabus for the electives of PG courses to be approved by DPGC. <ol style="list-style-type: none"> i) CS866 – Interconnection Networks (3-0-0) 3 ii) IS860 – High Performance Computing for Security (3-0-0) 3 	
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ITEM No: 30-BOS-5: The Department of Electronics and Communication Engineering:

Resolution of the BOS	Resolution of the Senate
<p>The BOS resolved to recommend the following :</p> <ol style="list-style-type: none"> i) Awarding credits for the short courses conducted jointly with MoU partners. ii) Comprehensive test for Research Scholars (Ph.D. students) BOS resolved to defer the matter. iii) Increasing the course requirements for M.Tech (R) from existing 12 to 18. BOS resolved to defer the matter. iv) Proposal to hold Curriculum conclave with the participation of NIT Tiruchirappalli, NIT Warangal and NIT Calicut during June – Jan 2017. 	<p>The Senate resolved to approve the recommendations of BOS.</p> <p>The senate also resolved that the credits for short courses will be awarded on case by case basis on the recommendations of the concerned departmental committees and approval by the Dean (Academic).</p>

ITEM No: 30-BOS-6: Amendment in the admission policies are suggested for industry sponsored part time Research Scholars both at Ph.D. and M.Tech (Research)

Resolution of the BOS	Resolution of the Senate
The BOS resolved to recommend that the certain. Amendment in the admission policies are suggested for industry sponsored part time Research Scholars both at Ph.D. and M.Tech (Research). Self-study courses are for only PhD Scholars and from 900 level only.	The Senate resolved to defer the recommendations of BOS.

ITEM No: 30-BOS-7: Introduction of new 900 level courses for PhD-

Resolution of the BOS	Resolution of the Senate
Department of Electrical and Electronics Engg.,: The BOS resolved to recommend that a new 9 level course in the curriculum : EE9xx Selected Topics in Control Systems 4 Credits	The Senate Resolved to approve the recommendations of BOS.

ITEM No: 30-BOS-9: Inclusion of External Research Guides-

Resolution of the BOS	Resolution of the Senate
a) The BOS resolved to recommend that Prof. Michel Kocher, Signal & Image Processing, University of Applied Science, HEIG-VD, Yverdon, Switzerland be considered as Additional Research Guide for Ms. Anu Shaju Areeckal. [Reg. No. EC13F06] in the Department of Electronics & Communication Engineering. b) The BOS resolved to recommend that Dr. Reji Philip, Professor, Light & Matter Physics Group, Raman Research Institute, Sadashiva Nagar, Bangalore be considered as Additional Research Guide for Ms. Pranitha Sankar [Reg. No. PH15P02] in the Department of Physics.	The Senate noted the resolutions of BOS

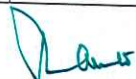
ITEM No: 30-BOS-10:

Resolution of the BOS	Resolution of the Senate
The BOS resolved that the items have already been discussed under Item No. 30-BOS-3 and 30-BOS-4.	The Senate noted the recommendations of BOS

ITEM No: 30-BOS-11:

Items related to Registration fee (backlog courses / Tuition fee / Stipend / Application fee.

Resolution of the BOS	Resolution of the Senate
<p>a) Registration fee to be paid by the students for registering backlog subjects of the corresponding semesters beyond normal duration of the programme. The BOS resolved to recommend that, student (FF/FA) in subjects beyond normal duration of the programme, i.e. after 4 years B.Tech, 2 years M.Tech, MBA, MSc & 3 years of MCA program, have to register the course on payment of Registration fee @ Rs. 3000 per subject at the maximum of Tuition fee. This may be applicable for all the students including SC/ST.</p>	<p>a) The Senate resolved to refer the subject to FC for approval/decision.</p>
<p>b) Discontinuation of disbursement of GATE Stipend on receipt of FF / FA Grade and subsequent revival on clearing the courses. As of now, students who get FF/ FA Grade, the GATE Stipend is permanently discontinued. It is proposed that if the students clear the subjects, the GATE Stipend will be revived at the Full rate if CGPA is more than or equal to 6.0 or 50% of the stipend if CGPA is less than 6.0.</p>	<p>b) The Senate resolved to <i>defer</i> the recommendations of BOS.</p>
<p>c) Relaxation in refund of scholarship (GATE / Institute Fellowship) in the case of discontinuation / Termination from M Tech / M Tech (R)/PhD programme. As of now, students are being asked to refund the full scholarship amount on discontinuation / termination. However, considering the fact that they are assisting in teaching and other academic activities of the departments, it is proposed to treat the scholarship as teaching assistantship and exempt them from refunding the availed scholarship. Also no refund is required for conversion from fulltime to part time student status.</p>	<p>c) The Senate resolved to <i>defer</i> the recommendations of BOS.</p>
<p>d) Exemption of Application fee for Women candidates for applying to PG / PhD programmes of the Institute. It is proposed that to strengthen women participation in higher education, the application fee for applying to PG / PhD programme of the Institute may be considered same as for SC/ST/PWD candidates for all women applicants.</p>	<p>c) The Senate resolved to <i>defer</i> the recommendations of BOS.</p>



ITEM No: 30-BOS-12: Any other matter

Resolution of the BOS	Resolution of the Senate
<p>Any Other Matter :</p> <p>a) NITK Student Council has forwarded the requests, through the Director, related to academic issues. The items were discussed in BOS. It was resolved to deliberate on the issued at the Departmental level Committees. HODs are requested to consolidate the feedback and submit to Dean (Academic) for forwarding to the Director.</p> <p>b) With reference to the proposal from the DUGC of the Department of Mechanical Engineering, joint project guidance of UG projects from different Departments, it was resolved that present regulations and curriculum are sufficient and no changes are required.</p> <p>c) With regard to the recognition of Institute faculty as Research Guides, BOS resolved to recommend that newly joined faculty possessing PhD degree will be eligible for serving as Research Guides from the date of joining to the Institute, and there is no need for submitting formal request to Dean (A) in this regard.</p>	<p>The Senate noted the resolutions of BOS.</p>

Item No.40.3.2:

Reservation of 1/3rd of 15% of seats reserved across Undergraduate and Postgraduate disciplines for the Children of Indian Workers in the Gulf Countries.

The Senate resolved to **approve** reservation as per MHRD order. Also it was resolved to seek clarification from MHRD about the applicability of this policy in DASA admissions at NITs.

Item No.40.3.3:

Academic calendar for 1st Year B. Tech. during the academic year 2016-17 (July Session).

The Senate resolved to **approve** the academic calendar.

Item No.40.3.4: Finalization of the date of 14th Annual Convocation of the Institute.

The Senate resolved to conduct the 14th Annual Convocation on **November 12, 2016 (Saturday)**.

Item No.40.3.5: Request for cancellation of Permanent Withdrawal from B.Tech. Programme.

The Senate resolved to **approve** the request of Mr Shivam Yadav (15CO245) to cancel the permanent withdrawal and for readmission into BTech programme.

Item No.40.3.6: Request for waiver of availed financial assistance by on discontinuation of PhD programme.

The Senate **noted** the request and resolved that the applicable scholarship rules should be followed.

Item No.40.3.7: Request to condone the delay in Submission of Thesis.

The Senate resolved to condone the delay in thesis submission by Mr Gowtahaman R (AM09P01), Mr Shashidhara (PH10F04), Mr Raghavendra Acharya (CO09P01), Mr N Balashanmugam (ME11P02) and Mr Srinivas N Metan (ME10P03).

Item No.40.3.8: Request to condone the delay in Submission of Research Proposal.

The Senate resolved to **condone** the delay in the submission of Research proposal by Ms Biji Chinnamma Thomas (CV13F04).

Item No.40.3.9: **To organize Institute's level spot round admissions to the vacant seats by GATE / Non-GATE candidates in M. Tech programs of the Institute.**

The Senate opined that the Director may take a decision on conducting Level Spot Admissions based on the vacancy situation.

Item No.40.3.10: **Modification of the procedure to conduct the Annual Convocation.**

The Senate opined that any modification in the procedure to conduct the Annual convocation should be done only after getting sufficient feedback from the students.

Item No.40.3.11: **Modification of Grade FF as CC in Course CS822- Topics in Computer Network - the appeal by Mr. Yash Raj Kumar Kedia (12CO39) on Disciplinary Proceedings regarding malpractice during End Semester Examination.**

After detailed deliberations, the Senate **authorized** the Chairman-Senate to convey the views of Senators to the Chairperson-BOG for reconsideration of the decision.

Meeting ended with vote of thanks to the Chair.

(K. Ravindranath)
Secretary-Senate, NITK

(K.N. Lokesh)
Chairman-Senate, NITK