



**Minutes of the 40th Meeting of the Senate of
National Institute of Technology, Tiruchirappalli held on 26th June 2018
at 11.00 AM in A13 Hall, NIT, Tiruchirappalli**

The following Members were present in the Meeting:

1.	Dr. Mini Shaji Thomas	Chairperson
2.	Dr. K. Ramamurthy	External Member
3.	Dr. Gurumurthy Neelakandan	External Member (by VC)
4.	Dr. G. C. Anupama	External Member
5.	Dr. R. B. Anand	Member
6.	Dr. M. Arivazhagan	Member
7.	Dr. G. Arthanareeswaran	Member
8.	Dr. P. Asokan	Member
9.	Dr. A. K. Bakthavatsalam	Member
10.	Dr. S. R. Balasundaram	Member
11.	Dr. K. Baskar	Member
12.	Dr. M. Bhaskar	Member
13.	Dr. L. Cindrella	Member
14.	Dr. M. Duraiselvam	Member
15.	Dr. N. P. Gopalan	Member
16.	Dr. P. Jayabalan	Member
17.	Dr. R. Jeyapaul	Member
18.	Dr. R. Karvembu	Member
19.	Dr. S. Kumanan	Member
20.	Dr. S. Kumaran	Member
21.	Dr. V. Kumaran	Member
22.	Dr. N. Kumaresan	Member
23.	Dr. S. P. Kumaresh Babu	Member
24.	Dr. G. Lakshmi Narayanan	Member
25.	Dr. R. Leela Velusamy	Member
26.	Dr. K. M. Meera S. Begum	Member
27.	Dr. Michael Arock	Member
28.	Dr. R. Murugesan	Member
29.	Dr. P. Muthuchidambaranathan	Member
30.	Dr. K. Muthukkumaran	Member
31.	Dr. K. Muthukumar	Member
32.	Dr. C. Nagamani	Member
33.	Dr. R. Narayanasamy	Member
34.	Dr. C. Natarajan	Member
35.	Dr. S. Nickolas	Member
36.	Dr. A. Noorul Haq	Member
37.	Dr. P. Palanisamy	Member
38.	Dr. M. Premalatha	Member
39.	Dr. M. Punniyamoorthy	Member
40.	Dr. T. K. Radhakrishnan	Member
41.	Dr. Ramakalyan Ayyagari	Member
42.	Dr. S. Raman Sankaranarayanan	Member
43.	Dr. N. Ramasubramanian	Member

44.	Dr. S. T. Ramesh	Member
45.	Dr. V. Ravi Chandran	Member
46.	Dr. B. Ravisankar	Member
47.	Dr. Samson Mathew	Member
48.	Dr. J. Sarat Chandra Babu	Member
49.	Dr. D. Sastikumar	Member
50.	Dr. P. Sathiya	Member
51.	Dr. S. Selvakumar	Member
52.	Dr. S. Shanmugam	Member
53.	Dr. V. J. Sivakumar	Member
54.	Dr. N. Sivakumaran	Member
55.	Dr. S. P. Sivapirakasam	Member
56.	Dr. T. Srinivas	Member
57.	Dr. G. Subbaiyan	Member
58.	Dr. G. Swaminathan	Member
59.	Dr. N. Thamaraiselvan	Member
60.	Dr. G. Uma	Member
61.	Dr. Ar. Veerappan	Member
62.	Dr. B. Venkataramani	Member
63.	Dr. A. Venkataswamy Reddy	Member
64.	Dr. V. Vinod Balakrishnan	Member
65.	Shri. A. Palanivel	Secretary
66.	Dr. R. Joseph Ponniah	Special Invitee
67.	Dr. A. Meenatchi Sundram	Special Invitee
68.	Dr. P. Saikrishnan	Special Invitee
69.	Dr. B. Senthil Arasu	Special Invitee
70.	Dr. T. Ramesh	Special Invitee
71.	Dr. V. Arul Mozhi Selvan	Special Invitee
72.	Dr. R. Gandhimathi	Special Invitee
73.	Dr. S. Moorthi	Special Invitee
74.	Dr. S. Sathish Kumar	Special Invitee

The following members expressed their inability to attend the meeting:

1.	Dr. P. J. A. Alphonse	Member
2.	Dr. N. Ammasai Gounden	Member
3.	Dr. S. Anandan	Member
4.	Dr. N. Anantharaman	Member
5.	Dr. S. Arul Daniel	Member
6.	Dr. A. Chandra Bose	Member
7.	Dr. D. Deivamoney Selvam	Member
8.	Dr. K. Dhanalakshmi	Member
9.	Dr. N. Gopalakrishnan	Member
10.	Dr. J. Hemalatha	Member
11.	Dr. T. N. Janakiraman	Member
12.	Dr. P. Kalaichelvi	Member
13.	Dr. G. Kannabiran	Member
14.	Dr. P. A. Krishnan	Member
15.	Dr. C. Mala	Member
16.	Dr. Mary Saira Bhanu	Member



17.	Dr. S. Moses Santhakumar	Member
18.	Dr. K. Murugesan	Member
19.	Dr. V. Muthupandi	Member
20.	Dr. S. Natarajan	Member
21.	Dr. R. Ponalagusamy	Member
22.	Dr. S. Raghavan	Member
23.	Dr. B. Ramadoss	Member
24.	Dr. P. Sivashanmugam	Member
25.	Dr. T. Srinivasa Rao	Member
26.	Dr. D. Sriram Kumar	Member
27.	Dr. K. Sundareswaran	Member
28.	Dr. S. Sudha	Member
29.	Dr. M. Udayakumar	Member
30.	Dr. M. Umopathy	Member
31.	Dr. B. Vasuki	Member
32.	Dr. S. Velmathi	Member
33.	Dr. S. Venkatachalapathy	Member
34.	Dr. G. Venkatesa Prabhu	Member
35.	Dr. K. Viswanathan Iyer	Member

The Chairperson, Senate welcomed the members to the 40th Meeting of the Senate and having ensured a quorum, continued with the Senate proceedings. She introduced the newly nominated members Prof. K. Ramamurthy, IIT Madras, Prof. G. Neelakantan from IIT Kanpur and Prof. G. C. Anupama from Indian Institute of Astrophysics, Bangalore. She also thanked the outgoing nominated members of the Senate, Prof. V. Jagadeesh Kumar and Prof. Malathi Duraisamy, both from IIT Madras for their valuable contributions during their tenure.

Following the welcome address by the Chairperson, Registrar started the deliberations on the agenda items.

1. Confirmation of the Minutes of the 39th Meeting of the Senate held on 15th May 2018

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

RESOLUTION RESOLVED THAT the Minutes of 39th Meeting of 40/SENATE/2018/1 the Senate held on 15th May 2018 be confirmed.

2. Action Taken Report on the decisions of the 39th Meeting of the Senate

The Action Taken Report on the 39th Meeting of the Senate was discussed. As per resolution **39/SENATE/2018/16**, a committee has been constituted with Registrar, Dr. S. T. Ramesh, Professor, Civil Engineering and Dr. R. Murugesan, Professor, Humanities and Social Sciences as members to identify a simple and appropriate mechanism for speedy clearance of claims



(TA & DA, Honorarium to external experts). The committee has submitted the report and the Registrar will implement the recommendations.

RESOLUTION **RESOLVED THAT the action taken on the 40/SENATE/2018/2 decisions of 39th Meeting of the Senate be noted and approved.**

- 3. Ratification of the award of provisional degree to M. S. (by Research) and Ph. D. scholars who have successfully completed the requirements for the award of the degree**

The Senate ratified the award of provisional degree to M. S. (by Research) and Ph. D. scholars as per the list presented in Annexure – III of Agenda and Notes of 40th Meeting of the Senate.

RESOLUTION **RESOLVED THAT the decision of award of 40/SENATE/2018/3 provisional degree to M. S. (by Research) / Ph. D. scholars as per the list presented in Annexure-III in Agenda and Notes be ratified.**

- 4. Ratification of the results of UG and PG courses in the even semester 2017-18**

The Senate ratified the results of UG and PG courses for the even semester 2017-18 as approved by the respective Performance Analysis Committees (PACs). The Senate also noted the poor performance of 1 year students of B. Tech. Production Engineering in the course titled "MAIR21 Mathematics II" and B. Arch. in the course titled "AR106 Mechanics of Solids" and directed the Performance Analysis Committees (PACs) to give a report. In this context the Chairperson, Senate directed the Head of Department of Mathematics to give his comment on the large number of failures in MAIR21 Mathematics II. In addition, the department shall explore remedies to minimize recurrence.

RESOLUTION **RESOLVED THAT the results of even semester UG 40/SENATE/2018/4 and PG courses 2017-18 as approved by the respective PACs be ratified with the above mentioned observations of the Senate.**

- 5. Award of UG / PG / M. S. (by Research) and Ph. D. degrees in the 14th Convocation**

The 14th Convocation of NIT, Tiruchirappalli is scheduled to be held on 28th July 2018 at 10.30 AM. As on 26th June, a total of 836 UG, 668 PG, 15 M. S.

(by Research) and 64 Ph. D. graduands (as per Table 1, Agenda and Notes of 40th Meeting of the Senate) shall receive the degree during the convocation. Out of these, 61 students shall receive B. Tech. (Honors) degree. The Senate approved the award of degrees to the eligible graduands. The details of Honors graduands are given below.

Details of Honors Graduands

Sl. No.	Department	Number of Graduands
1.	Chemical Engineering	7
2.	Civil Engineering	9
3.	Computer Science and Engineering	6
4.	Electrical and Electronics Engineering	4
5.	Electronics and Communication Engineering	12
6.	Instrumentation and Control Engineering	4
7.	Mechanical Engineering	9
8.	Metallurgical and Materials Engineering	4
9.	Production Engineering	6
Total		61

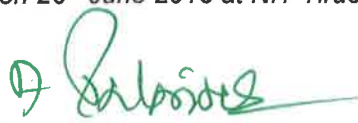
The Senate authorized the Chairperson Senate to approve the award of degrees for the students who will complete the degree requirements on or before 18th July 2018 in the forthcoming Convocation.

RESOLUTION **RESOLVED THAT** the award of UG / PG / M. S. (by 40/SENATE/2018/5 Research) and Ph. D. degrees in the 14th Convocation be approved.

FURTHER RESOLVED THAT the Chairperson Senate is authorized to approve the award of degrees for the students who will complete the degree requirements on or before 18th July 2018 in the forthcoming Convocation.

6. Award of medals in the 14th Convocation

The Senate approved the list of medal winners (as per Table 3, Agenda and Notes of 40th Meeting of the Senate) under various UG and PG programmes



to be awarded in the 14th Convocation. The name of awardee for President Medal (Overall Highest CGPA in B. Tech.) is given below:

President Medal (Overall Highest CGPA in B. Tech.)

Department	Roll No.	Name	CGPA
Metallurgical and Materials Engineering	112114059	V ARTHI	9.93

RESOLUTION **RESOLVED THAT** the list of award of medal 40/SENATE/2018/6 winners under various UG and PG programmes in the 14th Convocation as mentioned above be noted and approved.

7. Modified curriculum and syllabi for General Institute Requirement courses

A meeting of Board of Studies (BoS) for General Institute Requirement (GIR) courses for B. Tech. programmes was conducted on 12-06-2018.

The Senate discussed the modified curriculum and syllabi as per the details presented in Annexure- IV, Agenda and Notes of 40th Meeting of the Senate and approved the same.

In addition, the Senate observed the following:

- (i). Registration of summer internship course shifted to VII semester from VI semester.
- (ii). The course SWIR11 shall be one credit. However, the weightage for attendance and performance shall be reviewed and resubmitted to the Senate for approval.
- (iii). The title of the course for the subjects "MAIR11 Mathematics - I" and "MAIR21 Mathematics II" shall be modified based on course contents.
- (iv). Learning objectives of course titled MAIR21 Mathematics - II shall be reviewed and modified by considering all the branches of Engineering.

RESOLUTION **RESOLVED THAT** the modified curriculum and 40/SENATE/2018/7 syllabi for General Institute Requirement (GIR) courses for B. Tech. programmes as approved in the respective BoS be noted and approved.

FURTHER RESOLVED THAT (i) the shifting of registration of summer internship course from VI semester to VII semester be accepted. (ii) the course SWIR11 shall be one credit. However, the weightage for attendance and performance shall be reviewed and resubmitted to the Senate for approval. (iii) The title of the course for the subjects "MAIR11 Mathematics - I" and "MAIR21 Mathematics II" shall be modified based on course contents. (iv) Learning objectives of course titled "MAIR21 Mathematics - II" shall be reviewed and modified by considering all the branches of Engineering.

8. Request from Departments

There are no requests from departments.

9. Request from faculty members

To consider the request from Dr. Josephine, R. L., Assistant Professor (EEE), to continue as a joint supervisor (Co-guide) for the Ph. D. student registered under Anna University.

The Senate approved the request on the condition of zero financial commitment to the institute.

RESOLUTION RESOLVED THAT the request from Dr. Josephine 40/SENATE/2018/8 to continue as a joint supervisor (Co-guide) for the Ph. D. student registered under Anna University be approved on the condition of zero financial commitment to the institute.

FURTHER RESOLVED THAT the faculty member shall be permitted to avail Special Casual Leave (SCL) for attending doctoral committee meetings.

10. Request from students

The Senate approved the request of Mr. B. Murali Krishna (Roll No.: 212217011), 2017-19 batch of M. Tech. (Materials Science and Engineering), to do his M. Tech. project work in Eric Schmidt Institute of Material Science (ESI), Austrian Academy of Science.



However, the Senate suggested the following for such requests in future:

M. Tech. students who wish to pursue their project work as intern in industry or research institution within India or foreign universities shall get prior approval (two months in advance) from the Dean (Academic) through HoD concerned. For such students, the detailed guidelines such as mode of review, thesis submission, mode of conduct of viva voce examination and participation of external guides in reviews and viva voce examination shall be discussed in PG expert committee and resubmitted to Senate for approval.

**RESOLUTION
40/SENATE/2018/9**

RESOLVED THAT the request of Mr. B. Murali Krishna (Roll No.: 212217011) to do his M. Tech. project work in Eric Schmidt Institute of Material Science (ESI), Austrian Academy of Science be approved.

FURTHER RESOLVED THAT for such requests in future, the detailed guidelines such as mode of review, thesis submission, mode of conduct of viva voce examination and participation of external guides in reviews and viva voce examination shall be discussed in PG expert committee and resubmitted to Senate for approval.

11. Recommendations of Academic Reforms Committee

a. Modified syllabus for Research Methodology course work

A review of Research Methodology course has been carried out by Academic Reforms Committee (ARC).

The Senate approved the modified syllabus of Research Methodology course as presented in Annexure – VII, Agenda and Notes of 40th Meeting of the Senate. The new version of Research Methodology course shall be offered for the scholars from Engineering, Sciences and Architecture streams.

Subject to the suitability of the content, the respective Doctoral Committees of the scholars from the management and humanities streams may recommend one of the Research Methodology Courses;

- i. Research Methodology for Engineering, Sciences and Architecture departments or
- ii. Research Methodology course (as existing),

Associate Dean (M. S. (by Research) / Ph. D.) shall identify a suitable subject code for this course. This course will be offered every semester.

b. Modifications in the fee structure, to be charged from students for Formative Assessment, Reassessment and ReDo courses

The Senate approved the modifications in the fee structure, to be charged from students for Formative Assessment, Reassessment and ReDo courses as suggested by Academic Reforms Committee with a few modifications as indicated below.

Name of the Assessment	Existing fee per course (Rs.)	Proposed fee per course (Rs.)
Reassessment	120	500
Formative Assessment	120	2000
Summer ReDo (Theory)	NIL	3000
Summer ReDo (Laboratory)	150	3000
Summer ReDo (Theory + Lab)	180	4000

**RESOLUTION
40/SENATE/2018/10**

RESOLVED THAT the modified Research Methodology course suggested by Academic Reforms Committee be approved. The new version of Research Methodology course shall be offered for the scholars from Engineering, Sciences and Architecture streams. Subject to the suitability of the content, the respective Doctoral Committees of the scholars from the management and humanities streams may recommend either the newly proposed course or the one already in use.

FURTHER RESOLVED THAT the modifications in the fee structure, to be charged from students for Formative Assessment, Reassessment and ReDo courses as suggested by Academic Reforms Committee be approved with a few modification as given above. This will be effective from academic year 2018- 19 onwards.



12. Any other item with permission of the Chairperson, Senate.

a. Request by M. S. (by Research) scholars (sponsored by B.H.E.L.) seeking resumption of the M.S. (by Research) programme with request for fee waiver for the elapsed period

Twenty-one students of M. S. (by Research) sponsored by M/s. B.H.E.L. who had completed their course work but could not complete research work so far, have submitted a request (ref: HRDC/NITT-MOU/MS/2018-19 dated 23rd June 2018) through the company for resumption of the programme along with a request for fee waiver for the break period as a one-time measure.

The Senate discussed the matter at length and suggested the following:

These scholars shall be permitted to resume their program subject to the conditions:

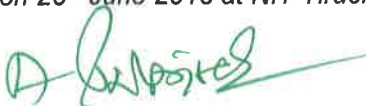
- a) GTC of the scholar recommends the resumption*
- b) The scholar should have paid full fees for a minimum duration of two years*
- c) A token payment of Rs.1500 per semester shall be paid by each scholar for the break period*
- d) Full fees shall be paid for the remaining period of the programme till completion*

b. Request by Dr. M. Premalatha, Professor, Department of Energy and Environment to reduce the penalty amount imposed on a full time research scholar for excessive downloading of articles from Elsevier Science Direct in an unauthorized manner

The Senate discussed the matter in detail and observed that an amount of Rs. 100,000 /- is appropriate as a penalty for the research scholar for the unauthorized excessive downloading of articles from Elsevier Science Direct using the institute resources.

**RESOLUTION
40/SENATE/2018/11**

RESOLVED THAT the resumption of M. S. (by Research) programme by scholars from BHEL be approved with above mentioned conditions.



FURTHER RESOLVED THAT an amount of Rs. 100,000 /- is appropriate as a penalty for the research scholar for the unauthorized excessive downloading of articles from Elsevier Science Direct using the institute resources.

The Meeting concluded with thanks to the Chair.


Secretary, Senate


Chairperson, Senate