The following Members were present in the Meeting:

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

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

The following members expressed their inability to attend the meeting:

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

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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. Umapathy 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 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 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 1st 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 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.

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(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**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Department</th>
<th>Number of Graduands</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Chemical Engineering</td>
<td>7</td>
</tr>
<tr>
<td>2.</td>
<td>Civil Engineering</td>
<td>9</td>
</tr>
<tr>
<td>3.</td>
<td>Computer Science and Engineering</td>
<td>6</td>
</tr>
<tr>
<td>4.</td>
<td>Electrical and Electronics Engineering</td>
<td>4</td>
</tr>
<tr>
<td>5.</td>
<td>Electronics and Communication Engineering</td>
<td>12</td>
</tr>
<tr>
<td>6.</td>
<td>Instrumentation and Control Engineering</td>
<td>4</td>
</tr>
<tr>
<td>7.</td>
<td>Mechanical Engineering</td>
<td>9</td>
</tr>
<tr>
<td>8.</td>
<td>Metallurgical and Materials Engineering</td>
<td>4</td>
</tr>
<tr>
<td>9.</td>
<td>Production Engineering</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>61</strong></td>
</tr>
</tbody>
</table>

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 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.)**

<table>
<thead>
<tr>
<th>Department</th>
<th>Roll No.</th>
<th>Name</th>
<th>CGPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metallurgical and Materials</td>
<td>112114059</td>
<td>V ARTHI</td>
<td>9.93</td>
</tr>
</tbody>
</table>

**RESOLUTION**

RESOLVED THAT the list of award of medal 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 syllabi for General Institute Requirement (GIR) courses for B. Tech. programmes as approved in the respective BoS be noted and approved.

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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 40/SENATE/2018/8
RESOLVED THAT the request from Dr. Josephine 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.

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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;

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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.

<table>
<thead>
<tr>
<th>Name of the Assessment</th>
<th>Existing fee per course (Rs.)</th>
<th>Proposed fee per course (Rs.)</th>
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<tbody>
<tr>
<td>Reassessment</td>
<td>120</td>
<td>500</td>
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<tr>
<td>Formative Assessment</td>
<td>120</td>
<td>2000</td>
</tr>
<tr>
<td>Summer ReDo (Theory)</td>
<td>NIL</td>
<td>3000</td>
</tr>
<tr>
<td>Summer ReDo (Laboratory)</td>
<td>150</td>
<td>3000</td>
</tr>
<tr>
<td>Summer ReDo (Theory + Lab)</td>
<td>180</td>
<td>4000</td>
</tr>
</tbody>
</table>

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

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

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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.

[Signature]
Secretary, Senate

[Signature]
Chairperson, Senate

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