



Minutes of the 37th Meeting of the Senate of National Institute of Technology, Tiruchirappalli held on 6th July 2017 at 3.00 pm in A13 Hall, NIT, Tiruchirappalli

The following Members were present in the Meeting:

1.	Dr. Mini Shaji Thomas	Chairperson-Senate
2.	Dr. V. Jagadeesh Kumar	External Member
3.	Dr. Malathy Duraisamy	External Member
4.	Dr. N. Ammasai Gounden	Member
5.	Dr. S. Arul Daniel	Member
6.	Dr. P. Asokan	Member
7.	Dr. A.K. Bakthavatsalam	Member
8.	Dr. L. Cindrella	Member
9.	Dr. D. Deivamoney Selvam	Member
10.	Dr. N. P. Gopalan	Member
11.	Dr. P. Jayabalan	Member
12.	Dr. T.N. Janakiraman	Member
13.	Dr. P.A. Krishnan	Member
14.	Dr. G. Kannabiran	Member
15.	Dr. S. Kumanan	Member
16.	Dr. V. Muthupandi	Member
17.	Dr. K. Murugesan	Member
18.	Dr. C. Natarajan	Member
19.	Dr. C. Nagamani	Member
20.	Dr. S. Natarajan	Member
21.	Dr. M. Punniyamoorthy	Member
22.	Dr. S. Raghavan	Member
23.	Dr. T.K. Radhakrishnan	Member
24.	Dr. S. Raman Sankaranarayanan	Member
25.	Dr. B. Ramadoss	Member
26.	Dr. G. Swaminathan	Member
27.	Dr. Srinivas A Tadepalli	Member
28.	Dr. P. Sivashanmugam	Member
29.	Dr. J. Sarat Chandra Babu	Member
30.	Dr. T. Srinivasa Rao	Member
31.	Dr. Samson Mathew	Member
32.	Dr. S. Selvakumar	Member
33.	Dr. K. Sundareswaran	Member
34.	Dr. K. Sankaranarayanan	Member
35.	Dr. S. Shanmugam	Member
36.	Dr. T. Selvaraj	Member
37.	Dr. D. Sastikumar	Member

38.	Dr.M.Umapathy	Member
39.	Dr.M.Udayakumar	Member
40.	Dr. A.Venkatasamy Reddy	Member
41.	Shri. A. Palanivel	Secretary
42.	Dr. A. Meenatchi Sundaram	Special Invitee
43.	Dr. R. LeelaVelusamy	Special Invitee
44.	Dr. S.R. Balasundaram	Special Invitee
45.	Dr. G. Lakshmi Narayanan	Special Invitee
46.	Dr. M.Premalatha	Special Invitee
47.	Prof. R. Gururaj	Special Invitee
48.	Dr. S.P. Sivapirakasam	Special Invitee
49.	Dr. S.P. Kumaresh Babu	Special Invitee
50.	Dr. B. Vasuki	Special Invitee
51.	Dr. N. Gopalakrishnan	Special Invitee
52.	Dr. M. Duraiselvam	Special Invitee
53.	Dr. B. Senthil Arasu	Special Invitee
54.	Dr. S. T. Ramesh	Special Invitee
55.	Dr. P. Raja	Special Invitee
56.	Dr. R. Jeyapaul	Special Invitee
57.	Dr. R. Karvembu	Special Invitee
58.	Dr. M. Venkata Kirthiga	Special Invitee
59.	Dr. A. Ramakalyan	Special Invitee
60.	Dr. S. Moorthi	Special Invitee

The following Members expressed their inability to attend the Meeting:

1.	Dr.N.Anantharaman	Member
2.	Dr.S.Moses Santhakumar	Member
3.	Dr.R.Narayanasamy	Member
4.	Dr.R.Nallaswamy	Member
5.	Dr.A.Noorul Haq	Member
6.	Dr.R.Ponnalagusamy	Member
7.	Dr.B.Venkataramani	Member
8.	Dr.G.Venkatesa Prabhu	Member
9.	Dr.K.Viswanathan Iyer	Member

The Chairperson, Senate welcomed the Members to the 37th Meeting of the Senate and having ensured a quorum, continued with the Senate proceedings. The Chairperson appreciated the commitment of the faculty, staff and student community for bringing many laurels to the Institute. The Chairperson thanked the members of the Senate for the positive suggestions and inputs which helped the Institute to reach greater heights. The Chairperson acclaimed the efforts of NIT Tiruchirappalli to reach the top position among NITs in NIRF 2017. NIT Tiruchirappalli is being ranked 11th position in engineering discipline and 34th in overall ranking of NIRF 2017.

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The Chairperson made a presentation regarding the major achievements and developments since the last Meeting of the Senate:

- Institute Day 2017 was celebrated on 11th April 2017
- The Institute shall be using the services of National Academic Depository (NAD) from this year
- The Institute received the membership of Shastri Indo Canadian Institute (SICI)
- Four out of ten Cargill Global Scholar Awards are received by our students this year
- Six students from 2014 & 2015 batches cleared the Civil Services Examination held in 2016
- Orientation programme is planned for the first year students during 26th July- 5th August 2017
- 126 temporary faculty members have been recruited
- Highlights of 10th NITSER Council Meeting held on 26th May 2017 at IAS Shimla:
 - New RRs for Faculty and Staff
 - Research Pathway
 - CPDA Norms
 - Student Grievance Portal
 - Accreditation of Programmes by NITs
 - NIRF 2017 (NIT Tiruchirappalli was requested to make a presentation with actionable items, NIRF Task force)
- The Chairperson also briefed the Senate about the National Convention of Digital Initiatives to be held from 8-10th July to launch the Digital Initiatives like SWAYAM, Swayam Prabha, National Digital Library, National Academic Depository and that NIT Tiruchirappalli has been selected as one among many Institutes for presenting the pathway for digital education in NITs.
- The Chairperson also briefed on the immediate focus areas for NIRF 2018, the plan for 2019-20 and the strategic Plan for 2022 to be developed soon.

The Chairperson apprised the Senate that the Padma Vibhushan Shri. N. R. Narayana Murthy, Founder, INFOSYS, Bengaluru will be the Chief Guest for the 13th Convocation scheduled for 12th August 2017. As approved in the 36th Senate Meeting dated 28-02-2017 and 44th Meeting of BoG dated 20-03-2017, the Institute would confer the degree of Doctor of Letters (Honoris Causa) on Shri. N. Chandrasekaran, Chairman of Tata Sons in the 13th Convocation. The Chairperson extended a cordial invitation to all the Senate Members and Special Invitees for the special Convocation.

After the welcome address by the Chairperson, Registrar started the deliberations on the Agenda items.

1. **Confirmation of the Minutes of the 36th Senate Meeting held on 28th February 2017**
The Senate resolved to confirm Minutes of the 36th Meeting of the Senate.

Minutes of the 37th Meeting of the Senate held on 6th July 2017 at NIT Tiruchirappalli



RESOLUTION
37/SENATE/2017/1

RESOLVED THAT the Minutes of 36th Senate Meeting held on 28th February 2017 be confirmed.

2. Action Taken Report on the decisions of the 36th Meeting of the Senate

The Action Taken Report on the 36th Meeting of the Senate was discussed and the Senate observed the following:

Resolution	Action Taken / Being Taken
36/SENATE/2017/2 Item c: Senate Sub-Committee on Academic Reforms	<p>The Senate noted that Academic Reforms Committee (The Senate Sub-Committee on Academic Reforms) had been constituted to review and strengthen the existing flexible curriculum. The Committee had submitted its recommendations to the Director and the Chairperson-Senate and subsequently these were discussed in the HoDs and Deans Meeting, held on 03-07-2017. Then, the HODs were requested to conduct a departmental Meeting and give the feedback. The recommendations of the Committee along with the views of the departments have been tabled as a separate agenda item.</p> <p><i>An objection to the term 'Senate Sub-Committee' was raised by one of the Senate members as a few members of this Committee are not members of the Senate currently. The Senate resolved to rename this Committee as 'Academic Reforms Committee' as per the first statutes of NITs, Clause 8 (v). Hence the Committee shall be known as 'Academic Reforms Committee' henceforth.</i></p>
36/SENATE/2017/2 Item d: Starting of M.Tech. (Data Analytics)	<p>The Senate was informed that the BoG in its 44th Meeting held on 20-03-2017 has approved to start the M.Tech. (Data Analytics) as an interdisciplinary programme, run by the Department of Computer Applications, in association with the Department of Computer Science and Engineering and the Department of Management Studies. The curriculum and syllabii of M.Tech. (Data Analytics) have been presented as a separate agenda item.</p>
36/SENATE/2017/2 Item e: Constitution of PG Expert Committee	<p>As per the resolution, the Senate was notified that the Expert Committee has been constituted for reviewing the post graduate programmes offered in the Institute.</p>
36/SENATE/2017/5 Permitting NTR0 sponsored candidates for admission	<p>The Senate was informed that the recommendations on the norms for admitting sponsored candidates have been submitted by the PG Expert Committee for the approval of the Senate. The recommendations have been tabled as a separate agenda.</p>

	The Senate indicated that admission of NTRO Sponsored candidates shall also be governed by the new regulations being approved by the Senate for admitting sponsored candidates to NIT Tiruchirappalli.
36/SENATE/2017/7 Modifications in the course work	The HoD of Humanities & Social Sciences has informed that the revised syllabus of 'Applied Econometrics' course shall be placed in the next Senate Meeting. The content and syllabus for the course, 'Money and Banking' has been approved.
36/SENATE/2017/8 Air travel for external members	<i>The Senate approved the proposal that external members shall be permitted to travel by air for attending Board of Studies (BoS) Meeting and for Academic Audit. When there is a need for travel of external member by private airlines (other than the approved sectors) the faculty inviting external member shall apply to seek permission from the ministry. This may be done at least ten days prior to the academic event.</i>
36/SENATE/2017/12 Award of Doctorate Degree (Honoris Causa) to Shri. N. Chandrasekaran	The Senate was informed that the BoG in its 44 th Meeting (dated 20-03-2017) has approved to award the degree of Doctor of Letters (Honoris Causa) to Shri. N. Chandrasekaran, Chairman of TATA Sons in the 13th Convocation of NIT Tiruchirappalli to be held on 12 th August 2017.
36/SENATE/2017/13 Item a: Admitting Indian Navy Sponsored candidates	The Senate noted that the Directorate of Naval Education (Indian Navy) had earlier requested for two seats, in M.Tech. Computer Science and Engineering for the academic year 2017-18 which was approved in the 36 th Meeting of the Senate. Now Indian Navy is requesting that in place of two seats in M.Tech. (CSE), one seat shall be offered in M.Tech. (CSE) and other seat to M.Tech. ECE stream. The Senate has approved this change. The Senate indicated that henceforth, the admission of Indian Navy Sponsored candidates to M.Tech courses at NIT Tiruchirappalli shall also be governed by the new regulations being approved by the Senate.
36/SENATE/2017/13 Item c: Request of HoD/HSS	The Senate considered the report submitted by the HoD of HSS for considering Commerce, Statistics and Engineering as eligible for pursuing Ph.D. in Economics and approved with the following observations. <ol style="list-style-type: none"> 1. The Doctoral Committee shall prescribe the course work considering the importance of Economics course and the background of the student. 2. The Doctoral Committee shall decide the inclusion of Co-Guide from an appropriate department as might be applicable.
36/SENATE/2017/13 Item d: Review of No. of seats in UG Programme	The Senate was informed that the BoG in its 44 th Meeting dated 20-03-2017 has approved the decision of the Senate to keep the same number of seats in all UG Programmes as in vogue.

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36/SENATE/2017/13 Item e: Review of slots for minor, No. of courses in a session	The Senate was informed that the points related to the slot for minor course(s), review of 6 courses in 4 th Academic session under flexible system, review of research methodology course offered for Ph.D scholars have been included in the agenda for discussion and recommendation by the Academic Reforms Committee. The recommendations are being tabled under a separate agenda item.
36/SENATE/2017/13 Item g: Change of Nomenclature of M.S. (By Research)	The Senate was informed that the change of the degree nomenclature of M.S. (by Research) to M.Tech. (by Research) shall be referred to the PG Expert Committee.

**RESOLUTION
37/SENATE/2017/2**

RESOLVED THAT the actions taken on the decisions of 36th Senate Meeting be noted and approved with the above mentioned observations of the Senate.

3. **Ratification of the award of Provisional degree to M.S/ Ph.D candidates who have successfully completed the requirements of the degree.**

The Senate ratified the award of Provisional degree to M.S/Ph.D. candidates as per the list presented in Annexure-III of Agenda and Notes.

**RESOLUTION
37/SENATE/2017/3**

RESOLVED THAT the decision of award of Provisional degree to M.S./Ph.D. Candidates as per the list presented in Annexure-III be ratified.

4. **Ratification of the results of UG & PG courses in the even semester 2016-17 as approved by the respective PACs**

The Senate ratified the published results of even semester UG and PG courses 2016-17 as approved by the respective Performance Analysis Committees (PACs).

**RESOLUTION
37/SENATE/2017/4**

RESOLVED THAT the published results of even semester UG and PG courses 2016-17 approved by the respective PACs be ratified.

5. **Approving the award of UG/PG/MS & Ph. D. degrees in the 13th Convocation to be held on 12th August 2017.**



The 13th Convocation of NIT Tiruchirappalli is scheduled to be held on 12th August 2017 at 3.30 pm. As on 4th July 2017, a total of 814 UG, 686 PG and 60 Ph.D. graduands as per the list in Annexure-A shall receive the degree during the Convocation. Out of which, a total of 65 students shall receive B.Tech. (Honours) degree. The Senate approved the award of degrees to the eligible graduands.

Total number of Honours Degrees

Sl. No.	Department	Honours
1	Chemical Engineering	12
2	Computer Science and Engineering	10
3	Electronics and Communication Engineering	15
4	Instrumentation and Control Engineering	6
5	Mechanical Engineering	8
6	Production Engineering	14
	Total	65

The Senate authorized the Chairperson-Senate to approve the award of degree for the students who complete the degree requirements on or before 31st July 2017 for the award of the degree in the forthcoming convocation.

**RESOLUTION
37/SENATE/2017/5**

RESOLVED THAT the award of UG/PG/MS & Ph.D. degrees in the 13th Convocation be approved.

RESOLVED FURTHER THAT the Chairperson-Senate is authorized to approve awarding degree in the 13th Convocation to students who complete the degree requirements on or before 31st July 2017.

6. Approving the award of Medals in the 13th Convocation.

The Senate approved the **list of students (Annexure-B)** under various Programmes to be awarded medals in the 13th Convocation. The names of awardees of President's Medal are given below:

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

Computer Science and Engineering	106113009	Amrith Rajagopal Setlur	9.91
Metallurgical and Materials Engineering	112113062	Yashvi Singh	9.91

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RESOLUTION
37/SENATE/2017/6

RESOLVED THAT the award of Medals in the 13th Convocation as above be approved.

7. Approving the directed study courses for Ph.D. course work.

The following courses are recommended by the Doctoral Committees of the Research Scholars belonging to various departments;

List of courses:

S.No.	Department	Course
i	Management Studies	1. Financial Statement Analysis and Reporting

The Senate approved the course as recommended by the respective Doctoral Committees and suggested to modify the title / contents in the following courses.

S.No.	Department	Course
i	Chemical Engineering	1. Materials Science 2. Corrosion Science

The Senate recommended that the Doctoral Committee shall identify a suitable equivalent course for 'Corrosion Science' course from the list of courses under the PG Programmes of Metallurgical and Materials Engineering department.

RESOLUTION
37/SENATE/2017/7

RESOLVED THAT the courses recommended by the Doctoral Committees be approved with suggested modifications.

8. Presentation of Curriculum and Syllabii for M.Tech. Programmes by the respective HoDs.

a. M. Tech. (Data Analytics)

As per the 44thBoG Resolution No: 44/BOG/2017/5, the M.Tech. (Data Analytics) Programme has to be offered as an interdisciplinary programme, run by the Department of Computer Applications, in association with the Department of Computer Science and Engineering and the Department of Management Studies. The HoD of Computer Applications has presented the curriculum and syllabii approved in the BoS Meeting for M.Tech. (Data Analytics).

The Senate approved the curriculum and syllabii of M.Tech. (Data Analytics) Programme and suggested to consider all engineering disciplines for admission into M.Tech. (Data Analytics) Programme from 2018-19 onwards by framing suitable guidelines.

b. M.Tech. (Power Systems) and M.Tech. (Power Electronics)

The Department of Electrical and Electronics Engineering has conducted the BoS for M.Tech. (Power Systems) and M.Tech. (Power Electronics) Programmes on 21-04-2017 and the HoD of EEE Department has presented the revised curriculum and syllabii of M.Tech. (Power Systems) and M.Tech. (Power Electronics) as approved in the respective BoS.

The Senate approved the curriculum and syllabii of M.Tech. (Power Systems) and M.Tech. (Power Electronics)

c. M.Tech. (Energy Engineering)

The Department of Energy and Environment conducted the BoS for M.Tech. (Energy Engineering) on 31-10-2016 and proposed a few changes in the curriculum and seat matrix. The HoD of EE Department has presented the outcome of BoS.

The Senate approved the curriculum of M.Tech. (Energy Engineering) with the following modifications:

- i. Only elective courses can be considered under NPTEL- online courses. These shall be with 3 credits. The modalities of offering the online courses shall be governed by the new regulations as being proposed by the Academic Reforms Committee.*
- ii. A pass/fail grade shall be awarded in case of Internship, which is being offered in 3rd Semester M.Tech*
- iii. Seat matrix and consideration of all disciplines for admission into M.Tech. (Energy Engineering) shall be referred to review by PG Expert Committee.*

**RESOLUTION
37/SENATE/2017/8**

RESOLVED THAT the curriculum and syllabii of M.Tech. (Power Systems) and M.Tech. (Power Electronics) be approved.

RESOLVED FURTHER THAT the curriculum and syllabii of M.Tech. (Data Analytics) and M.Tech. (Energy Engineering) be approved with specific modifications/suggestions.



9. Request from Faculty for the Senate's Consideration.

There were no representations from faculty for the consideration of the Senate

10. Students' Representations for the Senate's Consideration.

- a. To ratify the request of Mr. Manoj Thiraviam Kumar (R. No: 108114053), B.Tech. (ECE)-Third year student for permitting him to undergo two lab courses as summer Re Dos.

The Senate ratified the decision of the Chairperson-Senate and suggested to consider limiting maximum number of credits, instead of maximum number of courses / labs, for granting such approvals.

- b. To ratify the request of Mr. Christopher Marandi (R. No: 101112012), B. Arch.-final year student for permitting him to undergo the course, AR 559 Landscape Design as summer Re Do. Since, the subject is a studio based subject, supplementary exam is not possible.

The Senate ratified the decision of the Chairperson-Senate and suggested that the BoS of B.Arch. shall include the evaluation pattern of such courses in the regulations itself.

- c. To consider the request of Mr. M. Manoop (R. No: 411112003), full time research scholar in the Department of Mechanical engineering to convert his Ph.D registration from full time to part time. The student has got an appointment in Govt. Medical College, Thiruvananthapuram and a NOC has been obtained from the employer. This request has the approval of DC of the student.
- d. To consider the request of Mr. M. C. Abdul Bari (R. No: 404114007), full time research scholar in the department of Chemistry to convert his Ph.D registration from full time to part time. The student has been offered a posting in a Govt. Aided School in Kerala and a NOC has been obtained from the employer. This request has the approval of DC of the student.
- e. To consider the request of Ms. Biji Nair (R. No: 406114054), full time research scholar in the department of Computer Science and Engineering to convert her Ph.D registration from full time to part time. The student has got an appointment in Govt. Polytechnic College, Kerala and a NOC has been obtained from the employer. This request has the approval of DC of the student.



The Senate observed that there is no provision in the current regulations for approving the requests c, d and e above. Considering the recommendations of DC, the Senate approved the requests of these candidates and felt that the Ph.D regulations shall have a broad framework to accommodate such requests in terms of minimum residential requirements and a commensurate research progress prior to conversion from full time to part time.

The Senate suggested that the Ph.D. Regulations shall be modified to empower the DC to take a decision on typical matters within the framework of Regulations by considering the progress of research work. The modifications of Ph.D Regulations shall be proposed by the Academic Reforms Committee in the next Senate Meeting.

- f. To consider the request of Ms. K. Malathy (R. No: 405116004), full time research scholar (Project Category) in the department of Computer Applications to convert her Ph.D registration from full time to part time. The student has got an appointment in IIT, Tiruchirappalli and a NOC has been obtained from the employer.

The candidate registered for Ph.D in 2016 under Project Category and completed her coursework. As per the current regulations, the candidate can leave the Institute for taking up job after the submission of synopsis. Under a special circumstance the candidate has a new research supervisor and hence the new Doctoral Committee is yet to meet (at the time of her request).

The Senate advised that the new Doctoral Committee may facilitate conduct of Comprehensive examination after which the candidate's request to convert from full time to part time may be considered as a special case subjected to the recommendation of the Doctoral Committee.

- g. To consider the request of Mr. B. Azhaganatham (R. No: 409912004), Part-time (External) research scholar in the department of Humanities and Social Sciences to continue his research after a gap of 5 years. The DC of the student had prescribed the course work on 10-04-2017 and suggested the candidate to complete the course work as early as possible.

The candidate has registered for Ph.D in 2012 and he has not completed the course work yet. The Senate suggested that the registration of the candidate has to be cancelled and the candidate may be permitted for readmission in the next session.

- h. To consider the request of Ms. Sathya Sheela (R. No: 413107002), Research Scholar in the department of Physics to continue her research. The candidate has registered for Ph.D in 2007 and submitted her synopsis in September 2013.

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The Senate noted that the DC of the candidate has not submitted its recommendation. Hence, the request has to be referred back to DC to study the genuineness of request and progress of the research work.

- i. To consider the request of Mr. Jishanth (R. No: 114110010), B. Tech. (Production Engineering)-2010-14 batch to continue his studies after a brief illness. As per the regulations of his batch, the maximum duration for the completion of Programme is 8 years. The student still has almost 36 courses to be completed for his B.Tech. degree.

Permitted

- j. To consider the requests of Mr. Lakhan Sipani (R. No: 203114010) and Ms. A. N. Varuna (203114011), M.Tech. (Transportation Engineering and Management) to continue their second year studies after 2 years break.

Permitted

RESOLUTION **RESOLVED THAT the students' representations 10 37/SENATE/2017/10 (a) to (j) be ratified/approved with observations cited above.**

11. Recommendations of Academic Reforms Committee on the modifications in the flexible curriculum.

Recommendations of Academic Reforms Committee on the flexible curriculum (as enclosed in Annexure – XV of the Agenda and Notes) were discussed and the Senate approved the recommendations with some modifications as presented in Annexure-C.

RESOLUTION **RESOLVED THAT the recommendations of Academic Reforms Committee be approved with modifications.**

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

- a. List of the Senate nominees for Faculty selection is being tabled as an agenda for the approval of the Senate.

The Senate approved the panel of the Senate Nominees for the recruitment of regular Faculty (teaching) for all 17 departments of the Institute.

- b. Recommendations of the PG Expert Committee on the regulations for admitting sponsored candidates for M.Tech./ M.Arch. Programme.



The PG Expert Committee constituted as per the Resolution: 36/SENATE/2017/2, has submitted the recommendations (included as Annexure -16 in Agenda and notes) on admitting sponsored candidates for M.Tech./ M.Arch. Programmes at NIT Tiruchirappalli.

The Senate approved the recommendations of PG Expert Committee on admitting sponsored candidates for admission at NIT Tiruchirappalli and suggested to include all PG Programmes for admitting the sponsored candidates in future.

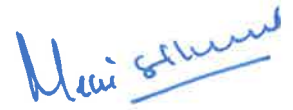
The Senate also suggested that there shall be a clear IPR policy for sponsored candidates on claiming the publications / patent rights for NIT, Tiruchirappalli and the sponsoring organization.

- c. The Senate noted the court directions in the case of Mr. Ingle Ganesh Ashok (214115013).

RESOLUTION
37/SENATE/2017/12

RESOLVED THAT the points under any other item(s)
12 (a) to (c) be noted / approved as above.


Secretary- Senate


Chairperson-Senate

Annexure – A

TOTAL NUMBER OF GRADUANDS (DEPARTMENT WISE)

Sl. No.	DEPARTMENT	B.Arch.	B.Tech.	M.Tech.	M.Sc.	MC A	MBA	MS	Ph.D.	TOTAL
1.	Architecture	45	-	-	-	-	-	-	1	46
2.	Chemical Engineering	-	63	18	-	-	-	1	3	85
3.	Civil Engineering	-	93	92	-	-	-	4	6	195
4.	Computer Science and Engineering	-	98	24	-	-	-	2	3	127
5.	Electrical and Electronics Engineering	-	94	52	-	-	-	-	5	151
6.	Energy and Environment	-	-	18	-	-	-	-	1	19
7.	Electronics and Communication Engineering	-	95	48	-	-	-	4	4	151
8.	Instrumentation and control Engineering	-	77	18	-	-	-	3	2	100
9.	Mechanical Engineering	-	96	44	-	-	-	1	6	147
10.	Metallurgical and materials Engineering	-	56	51	-	-	-	2	5	114
11.	Production Engineering	-	97	55	-	-	-	4	10	166
12.	CECASE	-	-	-	-	-	-	-	1	1
13.	Chemistry	-	-	-	26	-	-	-	7	33
14.	Physics	-	-	23	26	-	-	-	2	51
15.	Mathematics	-	-	-	-	-	-	-	-	0
16.	Computer applications	-	-	-	19	88	-	-	3	110
17.	Management studies	-	-	-	-	-	63	-	1	64
18.	Humanities and Social Sciences	-	-	-	-	-	-	-	-	0
	TOTAL	45	769	443	71	88	63	21	60	1560

Annexure – B

The Institute Medal 2017 for overall highest CGPA in B.Tech. and B.Arch.

Department	Roll No.	Name	CGPA
Chemical Engineering	102113012	B Soundarya	9.84
Civil Engineering	103113030	ChavaTriveni	9.70
Computer Science and Engineering	106113009	Amrith Rajagopal Setlur	9.91
Electronics and Communication Engineering	108113058	Nandhini Kumar	9.53
Electrical and Electronics Engineering	107113077	Roshini Devi K L	9.60
Instrumentation and Control Engineering	110113086	Sudharshan Suresh	9.45
Mechanical Engineering	111113032	I Chilton Frazer	9.58
Metallurgical and Materials Engineering	112113062	Yashvi Singh	9.91
Production Engineering	114113062	R Aravind	9.63
Architecture	101112043	SwethaBhargavi A	9.30

The Institute Medal 2017 for the overall Highest CGPA in M.Tech.

Specialization	Roll No.	Name	CGPA
Chemical Engineering	202115017	Mahajan GokulVishwanath	9.42
Process Control and Instrumentation	210115012	Jadhav Rushikesh Ramrao	9.20
Energy Engineering	202315018	Miji E J	9.82
Computer Science and Engineering	206115013	Siraj P S	9.84
Transportation Engineering and Management	203115005	Aparna S	9.50
Structural Engineering	203215006	Narsiram Gurjar	9.53
Environmental Engineering	203415004	ArchaBaiju	9.58
Construction Technology and Management	203515024	Amit Agarwal	9.58
Communication Systems	208115017	Florintina C	9.92
VLSI System	208215002	Susmitha S	9.59
Power Systems	207115017	Vaishnavi R	9.47
	207115013	Hari Sanker K	9.47
Power Electronics	207215002	Akhil S	9.66
Thermal Power Engineering	211315016	Sudhir Kumar Sahoo	9.74
Industrial Safety Engineering	211215018	Sambhu B	8.94
Welding Engineering	212115014	Mohamed Aleem	9.52
Materials Science and Engineering	212215017	Arun Mohan	9.72
Industrial Metallurgy	212315009	Vivek Gaurav	9.48

Non-Destructive Testing	213115013	Vinoth Kumaar A	9.50
Manufacturing Technology	214115005	G Prabhu	9.61
	214115020	Mohan Satya Narayana Reddy N	9.61
Industrial Engineering and Management	214215015	Salma Morris	9.68

The Institute Medal 2017 for the overall Highest CGPA in M.Sc./MCA/MBA

Department	Specialization	Roll No.	Name	CGPA
Chemistry	M.Sc. Chemistry	204115013	Priyanka Chakraborty	9.84
Computer Applications	M. Sc. Computer Science	216215011	Kalyan KS	9.64
Physics	M. Sc. Physics	213215002	Parvathi Harikumar	9.65
Computer Applications	MCA	205114001	Srishti Gupta	9.72
Management Studies	MBA	215115037	Shadhin S	9.26

Annexure - C

Existing in B.Tech Regulation 2015 (referred as 'R15')	Changes Approved by the Senate
Course plan and Course Registration	
<p>Given in the GUIDELINES FOR WRITING COURSE PLAN (GCP) Number of assessments: a minimum of 4 and maximum of 7 may be specified for a course</p>	<p><i>The number of assessments for a course shall range from 4 to 6</i></p>
<p><u>Given in R15 – B.10</u> The course plan shall outline the policy and eligibility criteria for reassessment for those students who miss the regular assessment process or had performed poorly, during the course due to genuine reasons.</p>	<p><i>One compensation assessment for absentees in assessments (other than final assessment) and one reassessment for absentees in final assessment are mandatory. These assessments are not applicable for project work/industrial lectures/internship.</i></p>
<p><u>Given in GCP</u> Guidelines on grading Policy on grading should be same as specified in the B. Tech. Regulations of NITT. The passing minimum shall be class mean by two or maximum by three, whichever is lower.</p>	<p><i>The passing minimum for all the courses shall be the maximum of [35%, class average/2].</i></p>
<p><u>Given in R15-B.4.a</u> A student can register a maximum of six theory courses in a session in II year and seven theory courses from his/her third year onwards. The Maximum number of ELR is two per session.</p>	<p><i>From 4th regular session onwards students can be allowed to register for a maximum of 7 theory courses including ReDo courses in a regular session.</i></p>
<p><u>Given in R15-B.15.1</u> All assessment materials not returned to the students but were used for awarding grades in a course will be retained by the concerned faculty member for a period of six months from the date of the publication of the results. Afterwards the material will be disposed off/destroyed permanently by the faculty member.</p>	<p><i>The answer scripts (final assessment) shall be retained with the faculty members at least for two academic years to facilitate academic audit.</i></p>

<p><u>Given in GCP</u> Pre-requisites: Course Codes and the names of the courses a student should have successfully completed before enrolling for this course. Students are expected to provide evidence that they have completed the course.</p>	<p><i>A student is considered to have completed a 'prerequisite' subject if he or she has fulfilled the attendance requirements and also attended all the assessments in that subject.</i></p> <p><i>The Senate approved to permit this aspect for the current UG and PG students also as a special case.</i></p>
<p><u>Given in GCP</u> Means/Processes for Student Feedback on Course.</p>	<p><i>Students' feedback on the course and faculty shall be obtained at the end of the course through online. Feedback scores shall be communicated back to the faculty members after the declaration of results.</i></p> <p><i>Optional feedback can also be obtained during the middle of the session for improving the teaching learning process.</i></p>
<p>Minor Course</p>	
<p><u>Given in R15-B.4.b</u> A student shall obtain a degree stating the Minor subject, if credits of at least five minor electives on a given subject are earned. It is also possible to choose assorted electives in which case the student does not earn a particular minor.</p> <p><u>Given in R15-B.18</u> A student shall obtain a degree stating the Minor subject, if credits of at least five minor electives on a given subject are earned.</p>	<p><i>There will be no mention of minor in degree certificate, however, it will be mentioned in the transcript.</i></p>

Formative Assessment and ReDo	
<p><u>Given in R15-B.7.1 and 7.2</u> Formative Assessment</p>	<p><i>For the students who secured 'F' grade, reassessment shall be conducted subsequently. The reassessment shall be conducted by the faculty in beginning of every session for all such pending courses.</i></p> <p><i>Students may be allowed multiple reassessment attempts for the same course.</i></p> <p><i>A student may have an option to undergo formative assessment only from the end of third year (during summer vacation). Further, he/she is allowed to register for a maximum of 12 courses throughout the entire programme.</i></p> <p><i>A brief course plan to bring out the learning and assessment methodologies should be made available in the intranet by the faculty concerned at the time of starting the course in FA mode.</i></p>
<p><u>Given in R15-B.12.1.ii.b&c</u> <u>Given in R15-B.7.5.d</u> ReDo Courses</p>	<p><i>For Re Do (summer) a student shall be allowed to register for a maximum of 3 theory courses and 2 laboratory courses or with a cap of 14 credits.</i></p> <p><i>Absolute grading shall be followed for the ReDo (summer) courses.</i></p> <p><i>The faculty handling ReDo (summer) courses shall post a course plan in the intranet with all the components as in a regular session.</i></p>
New Proposals	
Final Assessment	<i>Every course should have a final assessment on the entire syllabus with at least 30% weightage.</i>
Absolute Grading	<i>Absolute grading policy shall be incorporated if the number of students per course is less than 10.</i>

<p>On-line Courses</p>	<p>The department BoS shall approve the list of online courses offered by reputed external agencies.</p> <p>While listing the courses, the BoS shall consider the following points:</p> <ul style="list-style-type: none"> • The course evaluation is carried out by the same external agency • Equivalent grading mechanism to be arrived at by the department <p>A student can be allowed to register up to a maximum of 12 credits (total) as online courses during the entire programme of study. These shall be treated as Elective courses (program elective or open elective). Students are allowed register for one course per session starting from 5th session onwards.</p>
<p>Industry Lecture</p>	<p>It is recommended that the percentage of syllabus covered by the industrial experts shall be limited to 25% for a given course. Prior approval must be obtained from the designated Committee.</p>