NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI-620015

Minutes of the 30th Senate Meeting of the National Institute of Technology, Tiruchirappalli held in the A-11 Hall at 02.00 PM onwards on 11th & 14th November, 2014

The following were present in the 1st Session held on 11th Nov. 2014:

1.	Prof. Sundarrajan S	Chairman, Senate
2.	Dr.Anantharaman N.	Member
3.	Dr.Asokan P.	Member
4.	Dr.Arul Daniel S.	Member
5.	Dr.Bakthavatsalam A.K	Member
6.	Dr.Cindrella, L	Member
7.	Dr.Deivamoney Selvam D.	Member
8.	Dr.Jayabalan P.	Member
9.	Dr.Janakiraman T.N	Member
10.	Dr.Kannabiran G	Member
11.	Dr.Kumanan S	Member
12.	Dr.Krishnan, P A	Member
13.	Dr.Kumaresan N	Member
14.	Dr.Karvembu R	Member
15.	Dr.Moses Santhakumar S	Member
16.	Dr.Muthupandi V	Member
17.	Dr.Murugesan K	Member
18.	Dr.Nagamani C	Member
19.	Dr.Nallaswamy R	Member
20.	Dr.Natarajan C	Member
21.	Dr.Natarajan S	Member
22.	Dr.Noorul Haq, A	Member
23.	Dr.Nickolas S	Member
24.	Dr.Radhakrishnan T.K	Member
25.	Dr.Ramadoss B.	Member
26.	Dr.Raman Sankaranarayanan	Member
27.	Dr.Sankaranarayanasamy K	Member
28.	Dr.Sarangan J	Member
29.	Dr.Sastikumar D	Member
30.	Dr.Selvakumar S	Member
31.	Dr.Selvaraj T	Member
32.	Dr.Shanmugam S	Member

33. Dr. Sivashanmugam, P.	Member
34. Dr.Srinivas Tadepalli	Member
35. Dr.Sundareswaran K.	Member
36. Dr.Samson Mathew	Member
37. Dr.Sarat Chandra Babu J	Member
38. Dr. D. Sriramkumar	Member
39. Dr.Subbaiyan G	Member
40. Dr. N.Sivakumaran	Member
41. Dr. V.J. Sivakumar	Member
42. Dr.Swaminathan G	Secretary-Senate
43. Dr. T. Suthakar	Member
44. Dr.Udayakumar M	Member
45. Dr.Venkatasamy Reddy A	Member
46. Dr.Viswanathan Iyer K.	Member
47. Dr.Venkatesa Prabhu G.	Member
48. Dr.Venkataramani B.	Member
49. Dr.Jeyapaul R	Special Invitee
50. Dr. M. Perumalsamy	Special Invitee
51. Dr.Dhanalakshmi G.	Special Invitee
52. Dr.Gopalakrishnan N.	Special Invitee

The following members expressed their inability to attend the meeting

1. Dr.V.Jagadeeshkumar	External Member
2. Dr. Ammasai Gounden, N.	Member
3. Prof. Ramprasad, V.	Member

The following members could not attend the meeting in the 1st Session:

1. Dr.Malathy Duraisamy	External Member
2. Dr.Ashoka G.Samuelson	External Member
3. Dr. Chandra Bose, A	Member
4. Dr Gopalan, NP	Member
5. Dr. Meenakshisundaram C.	Member
6. Dr. Narayanasamy, R.	Member
7. Dr. Ponalagusamy, R.	Member
8. Dr. Punniamoorthy, M.	Member
9. Dr. Raghavan, S.	Member
10. Dr.Umapathy M.	Member
11. Dr. Palanisamy P.	Special Invitee

The following were present in the 2nd Session held on 14th Nov. 2014:

No.	Name	Role
1.	Prof. Sundarrajan S	Chairman, Senate
2.	Dr.Ammasai Gounden, N.	Member
3.	Dr.Asokan P.	Member
4.	Dr.Arul Daniel S.	Member
5.	Dr.Bakthavatsalam A.K	Member
6.	Dr. Cindrella, L	Member
7.	Dr.Deivamoney Selvam D.	Member
8.	Dr.Jayabalan P.	Member
9.	Dr.Kannabiran G	Member
10.	Dr.Kumanan S	Member
11.	Dr. Kumaresan N	Member
12.	Dr. Karvembu R	Member
13.	Dr. Meenakshisundaram, C.	Member
14.	Dr.Moses Santhakumar S	Member
15.	Dr.Muthupandi V	Member
16.	Dr.Murugesan K	Member
17.	Dr.Nallaswamy R	Member
18.	Dr.Natarajan C	Member
19.	Dr. Natarajan S	Member
20.	Dr. Noorul Haq, A	Member
21.	Dr. Nickolas, S.	Member
22.	Dr.Raman Sankaranarayanan	Member
23.	Dr. Ramadoss, B.	Member
24.	Dr.Sankaranarayanasamy K	Member
25.	Dr.Sastikumar D	Member
26.	Dr.Selvakumar S	Member
27.	Dr.Shanmugam S	Member
28.	Dr. Sivashanmugam, P.	Member
29.	Dr.Srinivas Tadepalli	Member
30.	Dr.Sundareswaran K.	Member
31.	Dr.Samson Mathew	Member
32.	Dr.Sarat Chandra Babu J	Member
33.	Dr.Subbaiyan G	Member
34.	Dr.Sivakumaran N.	Member
35.	Dr.Swaminathan G	Secretary-Senate
36.	Dr.Suthakar T.	Member
37.	Dr.Viswanathan Iyer K.	Member
38.	Dr.Venkataramani B.	Member
39.	Dr.Jeyapaul R	Special Invitee
40.	Dr.Perumalsamy M.	Special Invitee
41.	Dr.Dhanalakshmi G.	Special Invitee
42.	Dr.Palanisamy P.	Special Invitee
43.	Dr.Gopalakrishnan G.	Special Invitee

Minutes of the 30th Senate Meeting

Secretary, Senate

Chairman, Senate

The following members could not attend the meeting in the 2nd Session:

1.	Dr. Jagadeeshkumar V.	External Member
2.	Dr. Malathy Duraisamy	External Member
3.	Dr. Ashoka G.Samuelson	External Member
4.	Dr. Anantharaman, N.	Member
5.	Dr. Chandra Bose, A	Member
6.	Dr Gopalan, NP	Member
7.	Dr. Janakiraman, T.N.	Member
8.	Dr. Krishnan P.A.	Member
9.	Dr. Nagamani, C.	Member
10.	Dr. Ponalagusamy, R.	Member
11.	Dr. Punniamoorthy, M.	Member
12.	Dr. Radhakrishnan T.K.	Member
13.	Dr. Raghavan, S.	Member
14.	Prof. Ramprasad, V.	Member
15.	Dr. Selvaraj T.	Member
16.	Dr. Sriramkumar D.	Member
17.	Dr. Sivakumar V.J.	Member
18.	Dr. Udayakumar M	Member
19.	Dr. Umapathy M.	Member
20.	Dr. Venkatasamy Reddy, A.	Member
21.	Dr. Venkatesa Prabhu, G.	Member

The Chairman began the meeting by pointing out that the day (11th Nov. 2014) is the **National Education Day** and he called all the members to re-dedicate themselves to the cause of education. The Chairman also brought to the notice that any MoU with foreign universities should have the clearance of Ministry of External Affairs. Further, he advised the members to desist from bringing down the reputation of the Institute either by casual remarks in official meetings outside the Institute or in any public forums. The discussion and views expressed during pre-senate workshop and views of student senate was brought to the notice of the senate by the Chairman.

1.0 Confirming minutes of the 29th Senate Meeting held on 21/07/2014:

Senate approved the minutes with the following changes:

1.1 Amalgamation of Departments:

The decision on amalgamation of departments is deferred. However, common courses/electives for group of departments will be explored.

1.2 To include in the senate minutes, the approval for permitting the temporary faculty of the Department of Architecture to register for Ph.D. under part time (on campus) category:

Approved

1.3 To include in the senate minutes the non-issuance of enrolment numbers for DASA students by Council of Architecture as their admission is not based on Aptitude Test in Architecture (NATA/JEE)

Approved

The senate decided to include the above mentioned two points in the minutes of the 29th senate meeting.

While approval for minutes of the 29th Senate Meeting was discussed, Prof. S. Kumanan, shouted disrespectfully at the Chairman and used threatening words against the chair. His behaviour was reprimanded. The member was asked to show restraint and was advised to put up his views politely.

2.0   **To ratify the award of Provisional degree to M.S./Ph.D. candidate who has successfully completed the requirements of the degree.**

Approved

3.0   **The revised B.Tech. Regulations were taken up for discussion.**

I.   The following decisions were approved by the senate with respect to existing circulars on Formative Assessment (FA):

a)   For the Final Year, there is no cap on the number of subjects to be taken under FA. FA will continue during the VIII semester also for the present final year students.

b)   Students who have not written any supplementary examinations for a course in which they have failed, but have already taken up FA shall be permitted to write a supplementary examination, if they so desire.

II. *The regulations were discussed in detail and the following are approved by the Senate.*

3.1 SUPPLEMENTARY EXAMINATIONS:

(i)   Students who have failed in the regular semester examinations with F grade & who have absented with Z grade can register for supplementary examinations only once in a course.

(ii) Students who fail or absent without reason in supplementary examinations have to subsequently register for formative assessment only. Students shall be awarded F1 grade for such courses.

(iii) Supplementary examinations shall be conducted along with the regular examinations or immediately after the completion of the regular examinations or at the beginning of each semester.

3.2 FORMATIVE ASSESSMENT:

Formative assessment is tailor-made for each student and for each course.

(i)   Students who have failed in the supplementary examinations with a 'F1' grade have to register for Formative Assessment only.

(ii) Students may voluntarily opt for formative assessment also; (a)students who have failed in regular semester examinations, (b)students who have physical and learning disabilities and (c) students who perform poorly in the continuous assessment during the semester may register for formative assessment.

(iii) The letter grade 'R' is awarded on satisfactory completion of formative assessment with a grade point of '5' which is same as the minimum grade point awarded in the regular exams.

(iv) If a student does not satisfactorily complete the formative assessment, a letter grade 'I' is awarded which does not carry any grade point.

(v)   A student who has been awarded an 'I' grade must convert it to a 'R' grade by registering again for formative assessment. The student should successfully complete the formative assessment within the maximum stipulated period of the B.Tech. programme (10 semesters).

(vi) A student who willfully do not convert 'I' grade to 'R' grade during his maximum period of stay in the Institute due to gross negligence, shall be automatically awarded 'FF' grade with 2 Grade points for the course and his CGPA shall be computed accordingly.

(vii) Not less than 10 contact hours per course are required for completing the formative assessment. This will result in not less than 30 preparation hours for the student.

(viii) There is no minimum threshold of marks for satisfactory completion of the formative assessment. For successful completion of formative assessment, the student should complete the assigned tasks to the satisfaction of the faculty member who is assessing the student. In this process, the faculty member may use marks to quantify the performance of the student.

3.3 REGISTRATION FOR THE FORMATIVE ASSESSMENT

(i) Registration for the formative assessment will be done in the respective departments offering the courses.

(ii) Students who have left the Institute can register at the beginning of the semesters and during the vacations.

(iii) Current students can only register during the vacations.

(iv) Students who have left the Institute can register for a maximum of six theory courses and two laboratory courses during any one semester.

(v) Current students and the students who have left the Institute can register for two theory courses during the winter vacation, and six theory courses during the summer vacation. In addition, they can register for two laboratory courses during each vacation.

(vi) Students should register for and complete the formative assessment of the lower Semester courses before registering for the higher semester courses.

(vii) Withdrawal from the formative assessment is not permitted. Any Student who fails to complete the formative assessment will retain 'I' grade until his/her maximum period of study of the programme.

3.4   ELIGIBILITY FOR APPEARING IN SEMESTER EXAMINATION

(a) 100% attendance is expected of a student to appear for the end semester examination in a course of any semester, provided there is no adverse reports regarding his/her conduct by the Head of the Department.

(b) However, the attendance requirement can be relaxed for students for the following reasons.

  i)   undergoing internship in foreign countries with prior permission, if the internship is approved officially. The maximum period of such extension is limited to 10 working days.

  ii) Participating in the Institute approved extra-curricular activities such as Sports, Games, Cultural meets, Seminar, Workshop, Conference with prior permission. The maximum period for such events is limited to 10 days.

  iii) Prolonged illness and/or hospitalization and admission to hospital with appropriate medical certificate with an endorsement from the Institute medical officer to the HoD, on the date of rejoining classes after the illness.

  iv) The students of VII and VIII semesters have the requirements for attending campus recruitment, projects, extra-curricular activities etc. In view of this, their attendance for the above will be considered as OD.

(c) Students who have less than 50% of physical attendance have to necessarily rejoin the programme after a year along with the next batch and undergo the courses for which the attendance was less than 50% earlier. If a student has less than 50% attendance, he/she should be assigned 'V' grade in that subject along with 'VP' as the attendance code.

(d) The percentage of attendance in a course shall be computed as:

Percentage of Attendance

$$= \frac{\text{Actual No. of Classes attended}}{\text{(Total No. of Classes held till date of compilation of Attendance } -X)} \times 100$$

Where X is the number of classes relaxed as per 3.4(b). Attendance should be 75% in each course as per the above the

calculation for a student to appear for the semester examination subject to fulfilling the condition of part 3.5 above.

(e) The percentage of attendance is calculated up to 3 days before the last working day in the respective semester, and the percentage will be indicated by a code number / letter as follows:

Attendance Rounded to	Remarks	Code
91 – 100 %	Very Good	VG
85 – 90 %	Good	G
75 - 84 %	Marginal	M
50 - 74 %	Poor	P
< 50 %	Very Poor	VP

(f) Those students, whose attendance falls below 75% but above 50% in a subject, shall attend mandatory classes after the semester examinations of the current session. Such students shall be awarded U grade for the course.

(g) Students who have been awarded 'U' grade in course will be eligible for condonation only after completion of the mandatory classes and thereafter be permitted to appear for supplementary examination/formative assessment. A certificate from the concerned faculty member regarding successful completion of mandatory classes by the student has to be sent to the Dean (Academic), for the student to become eligible for appearing for supplementary examination or formative assessment.

(h) Under any case, a student should have more than 50% physical attendance calculated as per 3.6(a) (i.e. with X=0) in a course, to be eligible for appearing in semester Examination/ supplementary/ formative assessment.

3.5 PERFORMANCE ANALYSIS COMMITTEE:

(a) The Performance Analysis Committee, which shall meet within seven days after the completion of the last examinations of that semester, shall analyze the relative cumulative performance of students in all examinations (continuous and end-semester) of a course and finalize the letter grade ranges for the course.

(b) The letter grades and the corresponding grade points are as follows:

Letter	S	A	B	C	D	E, R	F,F1, I	U,V	W	FF	X	Z
Grade (GP)	10	9	8	7	6	5	-	-	-	2	-	-

(c) Students scoring less than the passing minimum marks in semester examination shall be deemed to have not successfully completed the course and be given 'F' grade; Students absenting from semester examination shall be awarded 'Z' grade.

(d) 'V' indicates prevention due to lack of attendance (< 50%); A student having V grade (i.e. with attendance of < 50 %) shall necessarily redo the course, when it is offered again. The 'V' grade once awarded stays in the record of the student and is deleted when he/she completes the course later.

(e) 'W' indicates the authorized withdrawal and 'I' grade shall be awarded if the student absents for the semester examination.

(f) A student having U grade (i.e. with attendance between 50% and 75%) shall attend mandatory classes and appear for supplementary examinations. The CGPA will be accordingly revised deleting the 'U&V' in the earlier attempts in that course. The grade acquired by the student later will be indicated in the grade card of the appropriate semester.

(g) Students who fail in supplementary examination will be given 'F1' grade and shall only appear for the formative assessment and successfully complete it.

h) The student who gets an 'I' grade must necessarily convert it to a 'R' grade by completing the formative assessment. If a student fails to convert an 'I' grade even at the end of the maximum period of the B.Tech. programme by not successfully completing formative assessment due to gross negligence, then 'I' grade will be converted to an 'FF' grade automatically with a grade point of 2.

i) A student who earns a minimum of 5 grade points (a 'E' grade or a 'R' grade) in a course is declared to have successfully completed the course.

j) A student who register for project work in second or third year and not able to complete the project in the respective semester shall be awarded with the extension grade 'X'. The 'X' stays in the student record and is deleted when he/she completes the project work later.

3.6 ELIGIBILITY FOR THE DEGREE

A student shall be eligible for the award of the degree of the Bachelor of Technology (B. Tech.) only if the student:

a) has undergone the prescribed programme of study by earning the minimum total number of credits specified in the curriculum of the relevant programme of study within a maximum duration of 5 years.

b) has earned a CGPA of not less than 5.

c) has no dues to the Institution, Library, Hostels, etc.

d) has no disciplinary action pending against him/her.

3.7 CLASSIFICATION

a) A student who has a CGPA of 5 or above at the end of the period of study will be awarded the B.Tech. degree.
The transcript and the final degree certificate will not mention any class whatsoever.

b) Students who have completed all the courses in the first attempt and have completed the requirements of undergoing four additional courses prescribed and have a CGPA of 8.5 and above shall be awarded B.Tech. (Honors) degree.

3.8 CONDUCT IN EXAMINATION HALL

a) Students cannot enter into an examination hall 30 minutes after the commencement of semester examinations and 15 minutes after the commencement of cycle tests.

b) Mobile phones, programmable calculators are not allowed inside the examination halls. Mobile phones possessed by students inside the examination halls will be confiscated and shall not be returned to students.

c) All study materials, memory aids, copies of notes or pages of books are not allowed inside the examination hall.

d) Strict silence is expected inside the examination halls.

3.8 REVISION OF REGULATIONS AND CURRICULUM

The Senate may from time to time revise, amend or alter the regulations, courses of study and syllabus as and when found necessary. Any other relevant rules needing urgent revisions can be framed and implemented by the Director/Chairman of the Senate and ratified in the subsequent Senate meeting. In case of difference of opinion regarding the interpretation of any of the regulations, the decision of the chairman of the Senate shall be final.

3.12 POWER TO MODIFY

Notwithstanding all that has been stated above, the Senate has the right to approve any modifications brought out at a later date.

4.0 CHANGES IN THE M.S. REGULATIONS FOR THE CONSIDERATION OF THE SENATE

Deferred

5.0 TO APPROVE THE APPORTIONMENT OF INSTITUTE PH.D. SCHOLARSHIPS.

Apportionment will be discussed and approved in Deans and HoD's Meeting.

6.0 TO CONSIDER THE REMUNERATION FOR CONDUCTING FORMATIVE ASSESSMENT:

The Senate recommends   Rs. 6,000/- per theory course
Rs. 2,000/- per laboratory course
Rs. 8000/- per combined theory and laboratory course for conducting the Formative Assessment

Approved

7.0 REQUEST OF FACULTY FOR SENATE'S CONSIDERATION:

To consider the request from the HOD/Mathematics to introduce a course on Research Methodology in Mathematical Sciences for the Ph.D. students admitted in the year 2014 onwards.

Approved

8.0 STUDENTS' REPRESENTATION FOR SENATE'S CONSIDERATION:

a) To ratify the approval of Chairman-Senate on the request of a M.Tech. student, Mr. Surya Prakash (207109005) for completion of his M.Tech. Phase-II Project work after exceeding the maximum course duration of 8 semesters.

Ratified

b) To consider the request of the M.S. scholars to consider M.S. degree as equivalent to M.Tech. degree.

Deferred

c) To consider the request of Mr. Rakesh Kumar Singh (114113067) to undergo the third semester courses during this winter and summer vacation. He has not attended his third semester courses due to medical reasons.

Approved

d) To consider the request of Mr. A. Uthirapathi (414111006) Research Scholar, Department of Production Engineering to convert his Ph.D. registration from full time to part time as he has joined as a Lecturer in Govt. Polytechnic College.

Approved

9.0 To approve the directed study courses for Ph.D. Course works:

S.No.	Department	Course
1	Computer Science & Engineering	1. Architectural Support for Cloud Infrastructure 2. System On Chip Architecture and Design
2	Electrical and Electronics Engineering	1. Smart Grid Communication and Security 2. Permanent Magnet Brushless DC Motor Drives and Controls
3	Electronics and Communications Engineering	1. Linear and Non linear Optimization 2. Image Processing with Video Surveillance

Minutes of the 30th Senate Meeting

Secretary, Senate

Chairman, Senate

4	Instrumentation and Control Engineering	1. Modeling and Simulation of Process 2. Instrumentation System Design 3. Fractal Analysis and Image Processing 4. Statistical Models and Stochastic Optimization 5. Industrial Image Analysis 6. Industrial Automation and Communication Techniques
5	Humanities	1. Poetics of Play 2. Idea of Nation and sub nationalism 3. North East Indian Writing in English 4. Nationalism in Indian Writing in English 5. Theory of Literature 6. Text and Context 7. Somaesthetics: Theory and Practice 8. Sri Aurobindo Studies 9. Autobiography: Theory and Practice 10. The concept of Author
6	Mechanical Engineering	1. Finite Element Methods in Mechanical Design 2. Flow Induced Vibrations 3. Effluent Water Treatments 4. Advanced Design of Parallel Axis Gears 5. Secondary and Tertiary Effluent Treatment Processes 6. Fire Water Pipelines Metallurgy and Corrosion Studies 7. Advanced Wind Turbine Technology
7	Civil Engineering	1. Pavement Materials, Design and Management

The senate approves the directed study courses recommended by Doctoral Committee.

10.0 **The list of B.Tech. Students with more than six incomplete courses for consideration to be granted a maximum duration of B.Tech. programme as six years from the date of joining the Institute.**

Approved by the Senate

Secretary, Senate

Chairman, Senate

11.0 It is brought to the notice of the Senate that the council of architecture is not issuing the enrollment numbers for the students admitted through DASA scheme for B.Arch. programme as their admission is not based on the aptitude test in architecture (NATA/JEE). Hence, the Senate has decided that seat allotment for B.Arch. programme under DASA is on hold till this issue being resolved.

Noted

Prof. G. Swaminathan
Officiating Registrar &
Secretary, Senate

Prof. S. Sundarrajan
Director &
Chairman, Senate.