Minutes of the 64th Meeting of the Senate of National Institute of Technology, Tiruchirappalli held on 19th June 2024 at 10.30 AM in the A2 Hall and through WebEx

The following members were present in the meeting:

1.	Dr. G. AGHILA, Director, Chairperson
2.	Dr. RAMESH S. T., Dean (Academic)
3.	Dr. ALPHONSE P. J. A.
4.	Dr. ANAND R.
5.	Dr. ANAND R. B.
6.	Dr. ANANDAKRISHNAN V
7.	Dr. ANANDAN S.
8.	Dr. ARIVAZHAGAN M.
9.	Dr. ARUL DANIEL S.
10.	Dr. ARUL MOZHI SELVAN V.
11.	Dr. ARUNAGIRI A.
12.	Dr. ASHOK M.
13.	Dr. ASOKAN P.
14.	Dr. BAKTHAVATSALAM A. K.
15.	Dr. BALASUBRAMANIAN K. R.
16.	Dr. BALASUNDARAM S. R.
17.	Dr. BASKAR K.
18.	Dr. BASKARAN N.
19.	Dr. BIJU V. M.
20.	Dr. CHANDRA BOSE A.
21.	Dr. DHANALAKSHMI K.
22.	Dr. DURAISELVAM M.
23.	Dr. GANDHIMATHI R.
24.	Dr. GANGADHARAN G. R.
25.	Dr. GOPALAKRISHNAN N.
26.	Dr. HEMALATHA J.
27.	Dr. JANAKIRAMAN T. N.
28.	Dr. JAYA BHARATA REDDY M.
29.	Dr. JAYALEKSHMI S.
30.	Dr. JEYAPAUL R.
31.	Dr. JOSEPH PONNIAH R.
32.	Dr. JUSTIN JOSEYPHUS R.
33.	Dr. KARTHIKEYAN B.
34.	Dr. KARVEMBU R.
35.	Dr. KUMARAN S.
36.	Dr. KUMARAN V.
37.	Dr. KUMARESAN N.
38.	Dr. KUMARESH BABU S. P.
39.	Dr. LAKSHMANA GOMATHI NAYAGAM V.
40.	Dr. LENIN SINGARAVELU D.
41.	Dr. MALA C.
42.	Dr. MANIVANNAN S.
43.	Dr. MARY SAIRA BHANU S.

44.	Dr. MEENATCHI SUNDARAM A.
45.	Dr. MEERA S. BEGUM K. M.
46.	Dr. MEKALA S.
47.	Dr. MICHAEL AROCK
48.	Dr. MOORTHI S.
49.	Dr. MURUGANANTHAM G.
50.	Dr. MURUGESAN R.
51.	Dr. MUTHUCHIDAMBARANATHAN P.
52.	Dr. MUTHUKKUMARAN K.
53.	Dr. MUTHUKUMARAN S.
54.	Dr. NAGASUBRAMANIYAN G.
55.	Dr. PALANISAMY P.
56.	Dr. PANDEESWARI R.
57.	Dr. PANNEERSELVAM K.
58.	Dr. PARTHIBAN P.
59.	Dr. PERUMAL SAMY M.
60.	Dr. PRASANNA VENKATESAN S.
61.	Dr. RADHAKRISHNAN T. K.
62.	Dr. RAMAKALYAN AYYAGARI
63.	Dr. RAMAN SANKARANARAYANAN S.
64.	Dr. RAVISANKAR B.
65.	Dr. SAIKRISHNAN P.
66.	Dr. SANKARANARAYANASAMY K.
67.	Dr. SANTHOSH KUMAR M. C.
68.	Dr. SARAT CHANDRA BABU J.
69.	Dr. SASTIKUMAR D.
70.	Dr. SATHIYA NARAYANAN C.
71.	Dr. SATHIYA P.
72.	Dr. SATHYARAJ V.
73.	Dr. SELVAKUMAR S.
74.	Dr. SELVAN M. P.
75.	Dr. SENTHIL ARASU B
76.	Dr. SENTHIL KUMAR S.
77.	Dr. SENTHILKUMAR V.
78.	Dr. SHANTHI V.
79.	Dr. SHEEBA K. N.
80.	Dr. SISHAJ P SIMON
81.	Dr. SIVAKUMAR V. J.
82.	Dr. SIVAKUMARAN N.
83.	Dr. SIVAPIRAKASAM S. P.
84.	Dr. SIVASANKAR T.
85.	Dr. SIVASHANMUGAM N.
86.	Dr. SIVASHANMUGAM P.
87.	Dr. SRINIVASAN K.
88.	Dr. SRIRAM KUMAR D.
89.	Dr. SURESH S.
90.	Dr. SWAMINATHAN G.
91.	Dr. THIRUMARAN K.

92.	Dr. UMA G.
93.	Dr. UMAPATHY M.
94.	Dr. VASUKI B.
95.	Dr. VEERAPPAN A. R.
96.	Dr. VELMATHI S.
97.	Dr. VINOD BALAKRISHNAN V.
98.	Dr. VINODH S.
99.	Dr. THAMARAISELVAN N., Secretary
	SPECIAL INVITEES
100.	Dr. PREMKUMAR K.
101.	Dr. PANNIRSELVAM K.
102.	Dr. RUBEN SUDHAKAR D.
103.	Dr. PARTHASARATHY R.
104.	Dr. SHELAS SATHYAN
105.	Dr. THAVASI RAJA G.
106.	Dr. PERIYASAMY R.

The following members expressed their inability to attend the meeting:

1.	Dr. THAMBAN NAIR M. (External Member)
2.	Dr. ANATHASURESH G. K. (External Member)
3.	Dr. HARIPRIYA GUNDIMEDA (External Member)
4.	Dr. BHASKAR M
5.	Dr. DOMNIC S.
6.	Dr. GOPI E. S.
7.	Dr. CINDRELLA L.
8.	Dr. EZHILARASI D.
9.	Dr. JEYACHITRA R K
10.	Dr. KALAICHELVI P.
11.	Dr. KUMANAN S.
12.	Dr. LAKSHMI NARAYANAN G
13.	Dr. LEELA VELUSAMY R.
14.	Dr. MALARKODI B
15.	Dr. MURUGESAN K.
16.	Dr. MUTHUKUMAR K.
17.	Dr. NAGALAKSHMI R.
18.	Dr. NAGAMANI C.
19.	Dr. NICKOLAS S.
20.	Dr. PREMALATHA M.
21.	Dr. RAMESH T.
22.	Dr. RAJESWARI SRIDHAR
23.	Dr. RAMESH BABU N.
24.	Dr. RAVICHANDRAN V.
25.	Dr. SARAVANA ILANGO G.
26.	Dr. SANKARANARAYAN R.
27.	Dr. SUBBAIYAN G.
28.	Dr. SUNDARESWARAN K.
29.	Dr. SRIDEVI P.
30.	Dr. SRINIVASA RAO T.

31.	Dr. THILAGAVATHY R.
32.	Dr. VENKATAKIRTHIGA M.
33.	Dr. VENKATACHALAPATHY S.

The following member did not attend the meeting:

1.	Dr. ARTHANAREESWARAN G.
2.	Dr. GIRIDHARAN N V.
3.	Dr. JERALD J
4.	Dr. MATHESWARAN M.
5.	Dr. PUNNIYAMOORTHY M.
6.	Dr. RAMASUBRAMANIAN N.
7.	Dr. SANKARANARAYANAN V.
8.	Dr. SIVA PRASAD KATAKAM
9.	Dr. SREEKANTH A.
10.	Dr. SUDHA S.

| 1. | The Chairperson of the Senate extended a warm welcome to Dr. N. Sivakumaran and Dr. Satheeshkumar V, the newly elected members of the BoG, and acknowledged the contributions and support of outgoing BoG members Dr. S. Kumanan and Dr. G. Saravana Ilango towards the growth of the institute. The Chairperson shared that in the latest QS World University Rankings 2025, NIT, Tiruchirappalli has achieved a ranking in the range of 701-710, marking an improvement of 100 places from the previous year. Additionally, the Electrical and Electronics Engineering and Mechanical Engineering departments are ranked 450-500 band in their respective subject categories. The Chairperson also informed that NIT, Tiruchirappalli is making steady progress in implementing the NEP 2020. She appreciated the efforts of Academic Reform Committee for the extensive deliberations and recommendations to implement changes in the flexible curriculum based on NEP 2020 and National Credit Framework for undergraduate, and postgraduate programs for the forthcoming (2024-25) batch. She urged the Heads of Department to conduct the Board of Studies (BoS) to finalize the detailed curriculum and syllabus for all UG and PG programs.

The Chairperson, Senate welcomed the members to the 64th Meeting of Senate and having ensured a quorum, continued with the Senate proceedings. |
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| 2. | **Confirmation of the Minutes of 63rd Meeting of the Senate held on 16-04-2024.**

The Senate resolved to confirm the minutes of the 63rd Meeting of the Senate held on 16th April, 2024.

RESOLUTION 64/SENATE/2024/2	RESOLVED THAT the Minutes of 63rd meeting of Senate held on 16th April, 2024 be confirmed.
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	Following the confirmation of the minutes of 63rd meeting of the Senate, the Dean (Academic) presented the Approval of ARC recommendation (a) UG, and (b) PG / MS and Ph.D.

APPROVAL ITEMS

3.	Approval of ARC recommendation (a) UG, and (b) PG / MS and Ph.D.
3a.	**Approval of ARC recommendations: UG**
	(i)	**Curriculum framework of B.Sc. (Engineering) and B. Tech.**

(i) Curriculum framework of B.Sc. (Engineering) and B. Tech.

The Academic Reforms Committee (ARC) has recommended adopting a curriculum framework with 160+3 credits, mandating a 6-credit project work. In addition, the ARC has requested the statistics on number of students opted for the project or two electives equivalent to 6 credits of students those who have passed out in 2023 and 2024.

The Dean (Academic) presented the ARC recommendations on Curriculum Framework for B.Sc. (Engineering) and B.Tech. degree to the Senate. As suggested by ARC, the statistics about number of students underwent project work or two electives equivalent from the passed-out B.Tech. batches 2023 and 2024 were presented to the Senate for detailed deliberations.

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

i. *The total number of credits for B. Tech. programme would be 160+3, mandating a 6-credit project work for B.Sc. (Engineering) and B.Tech. programme. However, those students who wish to carry out the internship (preplacement) outside the institute / semester exchange program shall opt for two electives courses equivalent to 6 credits.*

ii. *The number of programme core (PC) courses and elective courses (PE / OE) shall be 15 and 12 respectively (Table 1).*

iii. *Out of 12 elective courses (PE/OE), the students should study at least 8 programme elective courses (PE).*

iv. *Minimum of 7 programme core courses shall be 4 credits each implemented from 2nd semester to 6th semester.*

v. *Minor **(MI):** 15 credits over and above the minimum credit as specified by the departments (160+3). The details of MINOR will be mentioned only in the transcript not in the Degree certificate.*

vi. *Honours **(HO):** 15 credits over and above the minimum credit as specified by the departments (160+3). The project work is compulsory.*

vii. ***Eligibility for Honours (HO)***

Students must:

a. *register for at least 12 theory courses and 2 ELRs in their second year*

b. *consistently maintain a minimum CGPA of 8.5 during the first four sessions*

c. *maintain a minimum CGPA of 8.5 in all sessions excluding honours courses*

d. *successfully completed additional courses totaling 15 credits (3 numbers of 4 credit course and 1 number of 3 credit course)*

e. *achieve at least a B grade in Honours courses, which must be distinct and at a higher level than PC and PE courses, preferably M.Tech. courses,*

f. *Honours courses cannot be treated as programme electives and grades from these courses do not factor into CGPA calculations.*

Table 1: Credits distribution for revised B.Tech. curriculum structure

Course Category	Courses	No. of Credits	Weightage (%)
GIR (General Institute Requirements)	23	56	34.7
PC (Programme Core)	15	52 – 55	33.1
Programme Elective (PE) / Open Elective (OE)	12	36	22.3
Essential Laboratory Requirements (ELR)	8 Maximum 2 per session up to 6th semester	16	9.9
Total	**58**	**160+3**	**100**
Minor (Optional)	Courses for 15 credits	15 Additional credits	-
Honors (Optional)	Courses for 15 credits	15 Additional credits	-

Further, the Senate approved the detailed curriculum framework (160 credits & 160+3 credits) as mentioned in Table 2-5 for B.Tech. and B.Sc. (Engineering).

Table 2: CURRICULUM FRAME WORK / FLEXIBLE CURRICULUM / NEP 2020 / NCrF / B.Tech.

Sem	GIR Course	GIR Credit	PC Course	PC Credit	ELR Course	ELR Credit	PE/OE Course	PE/OE Credit	Total Credits	Credit Distribution
I	7	19	-	-	-	-	-	-	19	40
II	8	17	1	4	-	-	-	-	21	
III	-	-	4	14	2	4	2	6	24	48
IV	1	4	3	10	2	4	2	6	24	
V	1	3	4	14	2	4	1	3	24	48
VI	2	4	3	10	2	4	2	6	24	
VII	2	3	-	-	-	-	4	12	15	24
VIII	1	6	-	-	-	-	1	3	9	
Total	22	56	15	52	8	16	12	36	160	160

Table 3: CURRICULUM FRAME WORK / FLEXIBLE CURRICULUM / NEP 2020 / NCrF / B.Sc. (Engineering)

	Sem	GIR		PC		ELR		PE/OE		Total Credits	Credit Distribution
		Course	Credit	Course	Credit	Course	Credit	Course	Credit		
Same as B.Tech.	I	7	19	-	-	-	-	-	-	19	40
	II	8	17	1	4	-	-	-	-	21	
	III	-	-	4	14	2	4	2	6	24	48
	IV	1	4	3	10	2	4	2	6	24	
B.Sc. Exit	V	1	3	2	8	2	4	2	6	21	37
	VI	4@	12	-	-	2	4	-	-	16*	
After B.Sc. exit and join back for B.Tech.	VII	-	-	3	10	-	-	3	9	19	35
	VIII	1	1	2	6	-	-	3	9	16	
Total		22	56	15	52	8	16	12	36	160	160

@(Summer internship (2), Project Work (6) and Industrial Lecture (1))

Table 4: CURRICULUM FRAME WORK / FLEXIBLE CURRICULUM / NEP 2020 / NCrF / B.Tech.

Sem	GIR		PC		ELR		PE/OE		Total Credits	Credit Distribution
	Course	Credit	Course	Credit	Course	Credit	Course	Credit		
I	7	19	-	-	-	-	-	-	19	40
II	8	17	1	4	-	-	-	-	21	
III	1	4	4	14	2	4	1	3	25	50
IV	-	-	3	12	2	4	3	9	25	
V	1	3	4	15	2	4	1	3	25	49
VI	2	4	3	10	2	4	2	6	24	
VII	2	3	-	-	-	-	4	12	15	24
VIII	1	6	-	-	-	-	1	3	9	
Total	22	56	15	55	8	16	12	36	163	163

Table 5 CURRICULUM FRAME WORK / FLEXIBLE CURRICULUM / NEP 2020 / NCrF / B.Sc. (Engineering)

	Sem	GIR		PC		ELR		PE/OE		Total Credits	Credit Distribution
		Course	Credit	Course	Credit	Course	Credit	Course	Credit		
Same as B.Tech.	I	7	19	-	-	-	-	-	-	19	40
	II	8	17	1	4	-	-	-	-	21	
	III	1	4	4	14	2	4	1	3	25	50
	IV	-	-	3	12	2	4	3	9	25	
B.Sc. Exit	V	1	3	2	8	2	4	1	3	18	34
	VI	4#	12	-	-	2	4	-	-	16*	
After B.Sc. exit and join back for B. Tech.	VII	-	-	3	10	-	-	4	12	22	39
	VIII	1	1	2	7	-	-	3	9	17	
Total		22	56	15	55	8	16	12	36	163	163

#(Summer internship (2), Project Work (6), Professional Ethics (3), and Industrial Lecture (1))

		RESOLUTION 64/SENATE/2024/3a(i)	RESOLVED THAT the ARC recommendation of detailed Curriculum framework with 160+3 credits, mandating a 6-credit project work for B.Sc. (Engineering) and B. Tech. degree be approved.
			FURTHER RESOLVED THAT those students who wish to carry out the internship (preplacement) outside the institute / semester exchange program shall opt for two electives courses equivalent to 6 credits based on the recommendation of HoD and subsequent approval by Dean (Academic) on a case-by-case basis.

(ii) TRACKS (Tailored, Relevant, Adaptive Curriculum Knowledge system) for program elective courses

The academic reforms committee (ARC) has recommended the inclusion of specific streams of electives in the curriculum with following suggestions.

(i) Students who follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree with stream mentioned on their transcript and

(ii) Students who do not follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree without the stream mentioned on their transcript.

The Dean (Academic) presented the ARC recommendations for the inclusion of specific streams in program elective courses of curriculum to the Senate. Further, the Dean (Academic) highlighted the importance of inclusion of streams in the transcript.

The Senate discussed the matter in detail and approved the inclusion of the specific streams of program electives in the curriculum as recommended by ARC.

(i) Students who follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree with stream mentioned on their transcript, and

(ii) Students who do not follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree without the stream mentioned on their transcript.

RESOLUTION 64/SENATE/2024/3a(ii)	RESOLVED THAT the ARC recommendations of inclusion of the specific streams of program electives in the curriculum be approved with following conditions: (i) Students who follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree with stream mentioned on their transcript, and

			(ii) Students who do not follow the specific stream of electives outlined in the curriculum will receive a B.Tech. degree without the stream mentioned on their transcript.
(iii)	**Micro Credits**		

Micro Credits

The ARC has recommended the Micro credit courses as an open elective, each of 1 credit / 2 credit. Three (1 + 1 +1) or Two (2 + 1) such Micro Credit courses, each carrying 1 credit / 2 credit *respectively*, can be combined and counted as equivalent to one Open elective course of 3 credits for credit calculations.

The Dean (Academic) presented the ARC recommendations for offering Micro credit courses as open electives to the Senate.

The Senate approved the ARC recommendations to consider the Micro credit courses as an open elective, with each of 1 credit / 2 credit can be implemented to improve skills of students in the specific domain of interest. Three / Two such Micro Credit courses, each carrying 1 credit / 2 credit respectively, can be combined and counted as equivalent to one Open elective course of 3 credits for credit calculations.

Further, the Senate approved the consideration of 4 weeks / 8 weeks courses offered in the SWAYAM and NPTEL as 1 credit / 2 credit and can be treated as part of an open elective micro credit courses.

RESOLUTION 64/SENATE/2024/3a(iii)	RESOLVED THAT the ARC recommendations to consider Micro credit courses as an open elective, with each of 1 credit / 2 credit be approved to improve skills of students in the specific domain of interest. Three / Two such Micro Credit courses, each carrying 1 credit / 2 credit respectively, can be combined and counted as equivalent to one Open elective course of 3 credits for credit calculations.
	FURTHER RESOLVED THAT the 4 weeks / 8 weeks courses offered in the SWAYAM and NPTEL as 1 credit / 2 credit and can be treated as part of open elective micro credit courses.

	(iv)	**Activity Points**
		The ARC recommended to implement compulsory activity points until 3rd year, though the activity points would not carry any credits.
		The Dean (Academic) presented the ARC recommendations on compulsory activity points to the Senate.
		The Senate suggested that the committee may be constituted to draft the guidelines for compulsory activity points and submit its recommendations to the Senate for approval.

RESOLUTION 64/SENATE/2024/3a(iv)	**RESOLVED THAT the committee be constituted to draft the guidelines for compulsory activity points and submit its recommendations to the Senate for approval.**

	(v)	**PE/OE: Bureau of Standards (BIS) – an Overview**
		The academic reforms committee (ARC) has recommended to introduce 'Bureau of Standards (BIS) – an Overview' as an Open elective course in the department of Civil Engineering.
		The Dean (Academic) presented the ARC recommendation to introduce a course titled 'Bureau of Standards (BIS) – an Overview' as an Open elective course to the Senate.
		The Senate discussed the matter and approved the course titled 'Bureau of Standards (BIS) – an Overview' as an Open elective course in the department of Civil Engineering with modifications in the course title.

RESOLUTION 64/SENATE/2024/3a(v)	**RESOLVED THAT the course titled 'Bureau of Standards (BIS) – an Overview' as an Open elective course in the department of Civil Engineering be approved as recommended by ARC with modifications in the course title.**

3b.	**Recommendations of Academic Reforms Committee (ARC) / PG and Ph.D. Programmes.**
	The recommendations from the Academic Reforms Committee for PG and Ph.D. programmes were deliberated upon, and the Senate approved the following recommendations with certain modifications.
(i)	**Curriculum Framework for PG programs**
	The Senate approved (Resolution: 63/SENATE/2024/6) to adopt the NcrF mandate of a 2 X 40 curriculum pattern for the forthcoming PG Engineering programs from the AY:2024-25 onwards with an exit policy after one year upon completion of 40 credit requirements with M.Sc. (Engineering).
	Considering the Senate resolution, an Academic office prepared the detailed curriculum structure and proposed the different options to the ARC to adopt the NcrF mandate of a 2 X 40 curriculum pattern for the

forthcoming PG programs from the AY: 2024-25 onwards. The additional components are Seminar, Online Courses, Summer Internship and more weightages to the project work. Based on the discussion, the ARC has recommended the following:

M. Tech. / M. Arch.

    a. One 4-credit course per semester or 3-credit course with the addition of 1 credit for the laboratory.

    b. Internship / Industrial Training / Academic Attachment (I/A) with 2 credits.

    c. Online Electives Courses (Online / Offline) with 6 credits.

    d. Micro Credit (MC) courses can be offered as an Open Electives. Students can earn 1 credit (12 hours) for each Micro Credit course, with three such courses being equivalent to one Open Elective.

    e. Students have the flexibility to complete the 6 credits of Online / Micro Credit courses at any time between the 1st to 4th semesters.

    f. Increase the credits for Project Phase I and Phase II from 12 to 15, with the condition of mandatory publications.

The detailed curriculum structure for PG Engineering programs is given in Table 6.

Table 6 Credits distribution for M. Tech. / M. Arch.

Components	Number of Courses	Number of Credits
Programme Core (PC)	6	20
Programme Elective (PE)	6	18
Essential Laboratory Requirements (ELR)	2	4
Internship / Industrial Training / Academic Attachment (I/A)	1	2
• Online Courses (OC) • Micro Credit Courses (Online / Offline)	2 / 3 / 6	6
Project Phase-I	1	15
Project Phase-II	1	15
Total	**19 to 23**	**80**

M.Sc.

The M.Sc. programs shall maintain a total of 80 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Essential Laboratory Requirements (ELR), Internship / Industrial Training / Academic Attachment (I/A), Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

MA

The M.A. program shall maintain a total of 80 credits and the curriculum

components are as follows:

Programme Core (PC), Programme Elective (PE), Internship / Industrial Training / Academic Attachment (I/A) / Seminar, Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

MBA

The MBA program shall maintain a total of 80 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Summer Project for 8 weeks at the end of First year during the vacation.

MCA

The MCA program shall maintain a total of 120 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Essential Laboratory Requirements (ELR), Internship / Industrial Training / Academic Attachment (I/A), Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

The Dean (Academic) presented the above ARC recommendations to the Senate *to adopt the NcrF mandate of a 2 X 40 curriculum pattern for the forthcoming PG batch from the AY:2024-25 onwards.*

The Senate discussed the matter at length and approved the ARC recommendations of 2 X 40 curriculum pattern for PG programs (M.Tech. & M. Arch) with few modifications as mentioned in Table 7.

Table 7 CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / M.Tech. / M.Arch.

Components	Number of Courses	Number of Credits	Senate Suggestions
Programme Core (PC)	3 / Semester (6 / Year)	42	4 or 3 credits can be the combination of Programme Core (PC) and Programme Elective (PE)
Programme Elective (PE)	3 / Semester (6 / Year)		
Essential Laboratory Requirements (ELR)	3 / Year	6	2 Credits / ELR (If the department opts for 2 Essential Laboratory Requirements (ELR) per year, totaling 4 credits, the remaining 2 credits can be allocated to PC or PE courses)
Internship / Industrial Training / Academic Attachment (I/A)	1	2	-
Open Elective (OE) / Online Course (OC)	2	6	Open Elective (OE) / Online Course (OC) can be completed between 1 – 4 semester
Project Phase-I	1	12	-
Project Phase-II	1	12	-
Total	20	80	-

Further, the Senate approved the curriculum components with total credits of 80 to M. Sc. / M. A. / MBA and 120 credits to MCA as recommended by ARC.

RESOLUTION 64/SENATE/2024/3b (i)	RESOLVED THAT the ARC recommendations of 2 X 40 curriculum pattern for PG programs (M.Tech. & M. Arch) be approved with few modifications as mentioned below.

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / M.Tech. / M.Arch.

Components	Number of Courses	Number of Credits	Senate Suggestions
Programme Core (PC)	3 / Semester (6 / Year)	42	4 or 3 credits can be the combination of Programme Core (PC) and Programme Elective (PE)
Programme Elective (PE)	3 / Semester (6 / Year)		
Essential Laboratory Requirements (ELR)	3 / Year	6	2 Credits / ELR (If the department opts for 2 Essential Laboratory Requirements (ELR) per year, totaling 4 credits, the remaining 2 credits can be allocated to PC or PE courses)
Internship / Industrial Training / Academic Attachment (I/A)	1	2	-
Open Elective (OE) / Online Course (OC)	2	6	Open Elective (OE) / Online Course (OC) can be completed between 1 – 4 semester
Project Phase-I	1	12	-
Project Phase-II	1	12	-
Total	**20**	**80**	**-**

FURTHER RESOLVED THAT the curriculum components with total credits of 80 to M. Sc. / M. A. / MBA and 120 credits to MCA be approved as mentioned below as recommended by ARC.

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / M.Sc.

The M.Sc. programs shall maintain a total of 80 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Essential Laboratory Requirements (ELR), Internship / Industrial Training / Academic Attachment (I/A), Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / MA

The M.A. program shall maintain a total of 80 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Internship / Industrial Training / Academic Attachment (I/A) / Seminar, Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / MBA

The MBA program shall maintain a total of 80 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Summer Project for 8 weeks at the end of First year during the vacation.

CURRICULUM FRAMEWORK / FLEXIBLE CURRICULUM / NEP 2020 / MCA

The MCA program shall maintain a total of 120 credits and the curriculum components are as follows:

Programme Core (PC), Programme Elective (PE), Essential Laboratory Requirements (ELR), Internship / Industrial Training / Academic Attachment (I/A), Open Elective (OE) / Online Course (OC), Project Phase I, and Project Phase II.

(ii)	NPTEL Grading (UG, PG, MS (by research), Ph.D.)

ARC suggested the following Equivalent Grades for NPTEL courses:

Type of Certificate	Score	Equivalent Grade (for NIT-T)
Elite with Gold	>=90	S
Elite with Silver	75 - 89	A
Elite	>=60	B
Successfully Completed	40 - 59	C
No Certificate	<=40	No Grade

The Dean (Academic) presented the ARC recommendations for NPTEL Grading policy to the Senate. Further, the Senate was informed that the NPTEL grading policy recommended by ARC shall be applicable to all UG, PG, MS (by research) and Ph.D. programme.

The Senate approved the ARC recommendations for NPTEL grading policy to all UG, PG and MS (by research) and Ph.D. programme.

RESOLUTION 64/SENATE/2024/3b(ii)	RESOLVED THAT the ARC recommendations for NPTEL Grading policy as mentioned below be approved. This shall be applicable to all UG, PG and MS (by research) and Ph.D. programme.

Type of Certificate	Score	Equivalent Grade (For NIT-T)
Elite with Gold	>=90	S
Elite with Silver	75 - 89	A
Elite	>=60	B
Successfully Completed	40 - 59	C
No Certificate	<=40	No Grade

(iii)	Ph.D. Scholars / Visit outside India

As per Senate resolution (59/SENATE/2023/3(iii)), the maximum number of years allowed for collaborative research work by the HTRA students to various University/ Laboratories outside India as 12 months and that the number of such visits limited to 3 during the duration of the Ph.D programme. HTRA stipend may be paid to such students (as per rules of PMR fellowship) if they do not receive any funding from collaborative research project or any other agency.

However, ARC recommended the following guidelines in addition to the existing regulation with respect to visits outside India by the Ph. D. research scholars.

- *Full time Ph.D. candidate (HTRA / all other Schemes) must have completed the required course works and the comprehensive*

examination for the foreign university visit for collaborative research works.

The Dean (Academic) presented the ARC recommendations as mentioned above to the Senate.

The Senate discussed the above matter at length and approved the ARC recommendations in addition to the existing guidelines with few additional points as mentioned below with respect to visits outside India by the Ph. D. research scholars.

Full time Ph.D. candidate (HTRA / all other Schemes) must have completed the required course works and the comprehensive examination for the foreign university visit for collaborative research works. The requirement of comprehensive examination may be waived off based on the recommendation of DC and the approval by Dean (Academic) on a case-by-case basis.

RESOLUTION 64/SENATE/2024/3b(iii)	RESOLVED THAT the guidelines as mentioned below be approved with respect to visits outside India by the Ph.D. research scholars.
	(i) Maximum number of years allowed for collaborative research work by the HTRA / all other Schemes of students to various University / Laboratories outside India as 12 months and that the number of such visits limited to 3 during the duration of the Ph.D. programme.
	(ii) Stipend may be paid to HTRA students (as per rules of PMR fellowship) if they do not receive any funding from collaborative research project or any other agency.
	(iii) Full time Ph.D. candidate (HTRA / all other Schemes) must have completed the required course works and the comprehensive examination for the foreign university visit for collaborative research works. The requirement of comprehensive examination may be waived off based on the recommendation of DC and the approval by Dean (Academic) on a case-by-case basis.

4. Approval of B.Sc. B.Ed. detailed Curriculum

A meeting of Board of Studies (BoS) was conducted on 10.06.2024 to finalize the curriculum of B. Sc. B.Ed. Programme for the academic session *2024 – 25*. The detailed curriculum as approved in BoS meeting are furnished in the Annexure – III of Agenda Notes of 64th meeting of the Senate.

The Chairperson of B.Sc. B.Ed., programme committee presented the curriculum as approved in the BoS to the Senate.

The Senate discussed the above matter in detail and approved the B.Sc. B.Ed. course curriculum for the academic session 2024 – 25 for conducting the course "B.Sc. B. Ed." under ITEP.

RESOLUTION 64/SENATE/2024/4	RESOLVED THAT the B.Sc. B.Ed. course curriculum, as furnished in the Annexure – III of Agenda Notes of 64th meeting of the Senate be approved for the academic session 2024 – 25.

5.		**UG and PG Results (January 2024 Session)**

The Dean (Academic) presented the results of UG and PG January 2024 Session to the Senate.

The Senate discussed the results in detail and approved the results of UG and PG January 2024 Session as approved by respective Performance Analysis Committees (PACs).

*The Senate also noted the performance of 2nd year students of B.Tech. Metallurgical and Materials Engineering in the courses titled **"MTPC15 Phase Transformation and Heat Treatment", and "MTPC17 Mechanical Behaviour and Testing of Materials"**. In this context the Chairperson, Senate directed the Performance analysis committee to revisit the grades of the above-mentioned courses and also directed the Head of Department of Metallurgical and Materials Engineering to give a comment on the performances in "MTPC15", and "MTPC17".*

RESOLUTION 64/SENATE/2024/5	RESOLVED THAT the results of UG and PG January 2024 session as approved by respective Performance Analysis Committees (PACs) be approved with the above-mentioned observations of the Senate.

6.		**Ratification Items**
	(i)	**Eligibility for Ph.D. admission in DEE (July 2024)**

The Department of Energy and Environment has requested to include the Electrical and Electronics Engineering specialization in the eligibility criteria of Ph.D. admissions in the Department for the July session 2024.

The Dean (Academic) presented the request of the Department and informed the following to the Senate.

For admission to M. Tech. (Energy Engineering), the department considers the Mechanical Engineering, Chemical Engineering, Biotechnology, Electrical and Electronics Engineering, Energy and Environment, and Metallurgical and Materials Engineering branches in the UG program. In addition, the Department has recruited the Faculty with Electrical and Electronics Engineering in the recently held faculty recruitment.

Considering the eligibility criteria for PG program and availability of faculty in Electrical and Electronics Engineering background, the Chairperson, Senate

approved the request of inclusion of Electrical and Electronics Engineering specialization in the eligibility criteria of Ph. D. admission in the Department for the July session 2024.

The Senate ratified the approval of Chairperson, Senate for the inclusion of Electrical and Electronics Engineering specialization in the eligibility criteria of Ph.D. admission in the Department of Energy and Environment for the July session 2024.

RESOLUTION 64/SENATE/2024/6(i)	RESOLVED THAT the decision to include Electrical and Electronics Engineering specialization in the eligibility criteria of Ph.D. admission in the Department of Energy and Environment for the July session 2024 be ratified.

(ii) Award of Provisional degree to M.S. (by Research) / Ph.D. scholars

After the 63rd meeting of the Senate held on 16th April 2024, till 13th June, 2024 there were 43 research scholars who have completed all the requirements for the award of the degree of Ph.D.

The Senate ratified the award of provisional degree to Ph.D. scholars as per the list presented in Annexure – A.

RESOLUTION 64/SENATE/2024/6(ii)	RESOLVED THAT the award of provisional degree to a total of 43 Ph.D. scholars be ratified.

Any other items

(i) Request for extension of Registration

The following student requested an extension for one academic year (till May 2026) to complete the respective B.Tech. programme.

Sl. No.	Department	Student name with Roll number	Request details
1.	ICE	Nitish P (110118058)	Medical issue

The Senate agreed to give an extension to the B.Tech. student for a period of four semesters, i.e., until the end of May 2026 to complete the pending courses.

RESOLUTION 64/SENATE/2024/7(i)	RESOLVED THAT the request of Nitish P (110118058) for an extension of 24 months i.e., until the end of May 2026, be approved to complete the pending courses.

The Meeting concluded with thanks to the Chair.

Secretary, Senate	Chairperson, Senate

Minutes of 64th Meeting of the Senate held on 19th June 2024 @ 10.30 am

Annexure- A

List of Ph.D. scholars to be awarded provisional certificate

Sl. No.	Roll No.	Name	Date of Viva
1.	406917053	Hariharan R	26.03.2024
2.	409119009	Anisha S	28.03.2024
3.	403117051	Krishnanunni K T	03.04.2024
4.	414320002	Cijo Mathew	08.04.2024
5.	406118003	K Uma Maheswari	10.04.2024
6.	402119004	Sundara Mahalingam M A	12.04.2024
7.	415914051	Nancy Christina J	12.04.2024
8.	414116003	Chinthanai Selvan C	15.04.2024
9.	404117051	Aswathi Ravindran N E	15.04.2024
10.	405120002	Adouthu Vamshi Naik	18.04.2024
11.	403118001	Abijith D	18.04.2024
12.	416118053	Sangeetha K V	22.04.2024
13.	409920051	Pradip Kumar Nanda	22.04.2024
14.	410118008	Shuprajhaa T	23.04.2024
15.	415117052	Balakrishna Ballekura	24.04.2024
16.	416118051	T Divyadevi	24.04.2024
17.	410115002	Vetriselvi V	24.04.2024
18.	407118006	Malarvili S	25.04.2024
19.	410118052	Senthilkumar K	25.04.2024
20.	416120004	Tamizhazhagan S	26.04.2024
21.	405118004	Vankdoth Srinivasa Rao	30.04.2024
22.	414116007	S Ramakrishnan	30.04.2024
23.	411118053	Senthil Kumaar S	02.05.2024
24.	412118005	Vishnukumar M	03.05.2024
25.	416119002	Madhumitha S	03.05.2024
26.	404114054	Prabhakaran S	06.05.2024
27.	406118001	Aarthi P	09.05.2024
28.	407916001	Chandrasekar V	09.05.2024
29.	413915052	B Arunachalam	09.05.2024
30.	405915004	Narayanan S	10.05.2024
31.	404118005	Ravindra S	15.05.2024
32.	417119001	Vempally Muthya Goud	20.05.2024
33.	410915052	Geetha M	22.05.2024
34.	413117001	Arya Sukumaran	24.05.2024
35.	401118002	Marliya K	24.05.2024
36.	405120001	Adarsh V	24.05.2024
37.	410917051	Arun Ganesh K	28.05.2024
38.	404119004	Rasin P V	28.05.2024
39.	405118007	Medikonda Asha Kiran	31.05.2024
40.	407120009	Sofiya S	03.06.2024
41.	406120003	Mekala Ratna Raju	03.06.2024
42.	413112051	Vipin P	05.06.2024
43.	415118051	Fazeen Rasheed A K	06.06.2024