

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
DESIGN AND MANUFACTURING, KANCHEEPURAM**

**MINUTES OF THE 50<sup>th</sup> MEETING OF THE SENATE**

**Date** : 19<sup>th</sup> January, 2023  
**Time** : 11.00 A.M.  
**Venue:** : Hybrid Mode

**Members Present:**

Sl. No	Members	Sl. No	Members
01.	Prof. M.V. Kartikeyan - Chairman	09.	Dr. Sivaselvan B
02.	Prof. Krishna Nandivada	10.	Dr. Naveen Kumar Vats
03.	Prof. Shankar Venugopal	11.	Dr. Jayavel S
04.	Dr. Manoj Choudhury	12.	Dr. Sadagopan N
05.	Prof. M Sreekumar	13.	Dr. Shalu MA
06.	Prof. Binsu J Kailath	14.	Dr. Masilamani V
07.	Prof. M D Selvaraj	15.	Dr. Jayabal B
08.	Dr. Tapas Sil	16.	Sh. Chidambaram A- Secretary

**Invitees:**

Sl.No	Name
01.	Prof. Narayanan S
02.	Prof. SP Venkatesan
03.	Mr. Gunasekaran R

**Leave of Absence Granted:**

Sl. No	Members	Sl. No	Members
01.	Prof. GK Ananthasuresh	04.	Dr. Chandramouliswaran
02.	Prof. Ram Bilas Pachori	05.	Prof. R Chandrashekar
03.	Dr. G Venkatesh	06.	Dr. Sudhir Varadarajan

<b>2023-50-Senate-01</b>	<b>Welcoming the Members and Invitees by the Chairman, Senate</b>
	<i>The Chairman Senate extended warm welcome to all the esteemed members of the Senate and the Invitees.</i>
<b>2023-50-Senate-02</b>	<b>To Confirm the Minutes of the 49<sup>th</sup> Meeting of the Senate held on 03<sup>th</sup> November 2022</b>
	The Minutes of the 49 <sup>th</sup> meeting of the Senate held on 03 <sup>rd</sup> November, 2022 was circulated to all the members of Senate. No comments were received. The Senate was requested to confirm the Minutes of the 49 <sup>th</sup> meeting of the Senate placed as <b>Annexure-A.</b>
	<b>The Senate Confirmed and approved the Minutes of the 49<sup>th</sup> Meeting of the Senate held on 03<sup>th</sup> November 2022.</b>

2023-50-Senate-03	<b>Action Taken Report on the Decisions of the 49<sup>th</sup> Meeting of the Senate</b>	
	<b>The action taken report of the Institute on the decision of the Senate was placed as under:</b>	
	2022-49-Senate-04	PhD Scholars Who Have Completed Their defence
	2022-49-Senate-08	Approval for New/Modified Elective Courses
	2022-49-Senate-09	Institute Support for the Scholars Who Have Joined Under Project Category
	2022-49-Senate-10	Publication Norms for PhD scholars
	2022-49-Senate-11	Approval for Grant of Extension Period to PhD scholars Who Have Completed Maximum Stipulated Duration
	2022-49-Senate-12	PhD Admission for "Professionals with Extensive Experience"
	2022-49-Senate-15	Request for Repeating Semester / Year
		7 Scholars, who have successfully defended their thesis work, have been issued viva completion certificate.
		Implemented
		3 scholars have been granted institute financial support after completion of their project period.
		Implemented. The list of reputed journals/conferences for publication of papers by the scholar is under preparation by the respective department and will be placed in the next meeting of the Senate.
		The senate granted the extension of six months to 2 scholars who have completed 7+ years period and 13 scholars completed more than 5 years. Of the above, the following 3 scholars have submitted their thesis for evaluation: 1. Mr. Hemnath A K (7+ years) 2. Ms. Skandha Deepsita. S (5+ years) 3. Mr. Cyriac Antony (5+ years) The following two scholars have completed the synopsis meeting and thesis is awaited: 4. Mr. Santhosh Kumar. M (7+ years) 5. Ms. Dony J Muttath (5+ years)  The other scholars have been advised to expedite the process.
		Subsequent to approval of the Senate, applications were invited through open advertisement. In response, the institute has received 9 number of applications. Of this, 7 applicants were not fulfilling the requirements and accordingly, their applications were not considered. In respect of shortlisted candidate, one candidate expressed his inability to submit no objection certificate from his organization and accordingly his candidature was not considered. The interview was conducted for Mr. Deepak (ECE) from BEL, Bangalore. However, he was not found suitable by the duly constituted evaluation committee.
		The Senate after due consideration permitted Mr. B G KHIRUBHANITHI (ME21B2037) to repeat his B. Tech programme in Smart Manufacturing along with his junior batch of 1 <sup>st</sup> Semester. In addition, permission was also granted for Mr. IMANDI HEMANTH (CS20B1077) to repeat his B. Tech programme in Computer Science and Engineering program from 4 <sup>th</sup> semester. The students were duly communicated to enroll for respective semesters. In response, Mr. IMANDI HEMANTH has enrolled for the semester, however, Mr. B G KHIRUBHANITHI has not enrolled for the semester.

	2022-49-Senate-16	Creation of Supernumerary Seats for Girl Students and Revised Student Intake for the Year 2022-23 under B. Tech Program	78 girls have been admitted against 82 numbers of Female-only seats earmarked for the year 2022-23.																							
<p><b>The Senate took note of action taken by the Institute on the above mentioned items. In case of item concerning PhD admission for Professionals with Extensive Experience ( Item No.12), the Chairman, Senate informed that the Institute will collaborate with leading industrial establishments and based on interaction, collaborative research as well as admission to PhD programme will be explored.</b></p>																										
2023-50-Senate-04	<p><b>PhD Scholars who have completed their defence</b></p>																									
<p>The following Ph D scholar has successfully defended her thesis and the details are as under:</p>																										
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<p>The details concerning the examiners; their comments; list of publications were placed as <b>Annexure-B</b>. It was informed that all the above scholar will be awarded degree in the next convocation convened in the year 2023.</p>																										
<p><b>The Senate took note of completion of Ph.D. defence by Ms.T.ANUSUYA . Further the Senate approved the awarding of degree to the scholar in the next convocation.</b></p>																										
2023-50-Senate-05	<p><b>Admission status of B Tech and PhD Programmes during Academic Year 2022-23</b></p>																									
<p>The Senate was informed about the admission status for B. Tech programme for the year 2022-23 carried out through JoSAA / CSAB. The admission process completed on 09.11.2022 and their academic session commenced from 14.11.2022.</p>																										
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Category wise status and opening and closing ranks were placed as **Annexure-C**.

**PhD admission – Jan 2023 Session – Regular**

The Institute also conducted PhD admission for January 2023 Session and the details of candidates admitted by the Institute was intimated to the Senate:

S.No	Name of the candidate	Branch	Category of PhD Admission	Roll No
1	Mr. Chittimadha Sudhakar	Computer Science and Engineering	HTRA	CS23D0001
2	Ms. Dhivya R M	Computer Science and Engineering	HTRA	CS23D0002
3	Mr. Praveen Kumar	Electronics and Communication Engineering	HTRA	EC23D0001
4	Ms. Julie Therese	Electronics and Communication Engineering	Project	EC23D0002
5	Mr. Alapati J S A Veeranjanya Vara Prasad	Mechanical Engineering	HTRA	ME23D0001
6	Mr. Nithyanandham G	Mechanical Engineering	HTRA	ME23D0002
7	Mr. Balaji S	Mechanical Engineering	HTRA	ME23D0003
8	Mr. Gowthaman B	Mechanical Engineering	HTRA	ME23D0004
9	Mr. Rajan P	Mechanical Engineering	HTRA	ME23D0005
10	Mr. Rajesh	Interdisciplinary Product Design	External	ID23D0001
11	Mr. Magesh	Interdisciplinary Product Design	HTRA	ID23D0002
12	Ms. J. Karthika	Biomedical Engineering	HTRA	BM23D0001
13	Ms. Padmavathy G	Mathematics	HTRA	MA23D0001

**PhD admission under Visvesvaraya Scheme Jan 2023 Session:**

During the year, the Institute received sanction for 3 full time PhD seats under Visvesvaraya PhD scheme. Applications were invited by placing separate advertisement. However, no candidate was found suitable in the evaluation process.

**The Senate took note of admission status of the year 2022-23.**

**In case of PhD admission under Visvesvaraya Scheme, the Senate advised the Institute to take necessary steps including wide publicity for attracting the candidates.**

2023-50-  
Senate-06

### Approval for New/Modified Elective Courses

The new elective course proposed to be offered by the Institute from Jul, 2023 academic session was placed before the Senate. This course has been approved by the Departmental Academic Committee (DAC) comprising external experts.

#### New Courses

S. No	Course	Type / Level	Faculty Name	External Experts
1.	RF and Microwave Circuit Design	UG	Dr. Sreenath Reddy Thummaluru	1. Dr. Raghvendra Kumar Chaudhary, Associate Professor, Department of Electrical Engineering, IIT Kanpur 2. Dr. Ravi Kumar Gangwar, Associate Professor, Department of Electronics Engineering, IIT (ISM) Dhanbad

The details of the above courses were placed as **Annexure-D**.

**The Senate approved the proposal of offering RF and Microwave Circuit Design as elective course from July 2023 academic section onwards.**

2023-50-  
Senate-07

### Reintroduction of Dual Degree Programme

The Senate was requested for reintroduction of Dual Degree (DD) Programmes and in this regard the following was placed before the Senate:

1. The Programme was envisioned towards the creation of PG level talent pool in IT and IT enabled Design and Manufacturing Pedagogy and Research. Taking this into account, the Institute commenced DD programme in the year 2014 having 5 disciplines.
2. The DD programmes were having certain difficulties in the initial stage but achieved significant growth both in terms of core placement and higher studies. However, over the years, it was observed that the B Tech programme attracts higher ranking students in comparison with the DD programme. Further, companies have preferred B Tech students over DD students for placement.
3. Therefore, a request was made to the senate in its 42<sup>nd</sup> meeting to discontinue the DD programme and enhance the equal student strength in B Tech programme. The same was approved by the senate and the programme was discontinued from 2020 onwards.
4. Subsequent to this, it was noted that there is no talent pool to pursue research due to combined effect of discontinuation of DD programme and reduction in admission in PG Programme. It was also noted that the companies have shown preference for DD students due to their continuation in their job secured through placement.
5. As per NEP 2020, the Institute is required to enhance the existing student strength to the level of 3000 students by the year 2040. Recently, MoE has requested action plan of the institute to enhance the student strength.

	<p>Senate was, accordingly, requested to grant approval for reintroducing the Dual Degree programmes from 2023-24 onwards.</p> <p><b>The Senate noted the proposal of reintroduction of Dual Degree Programme. As it requires detailed deliberation, the Senate advised the Institute to place a detailed Agenda incorporating name of the programme to be offered, Curriculum and Syllabi, Placement prospects and recommendations from the industry experts, etc.</b></p>
<b>2023-50-Senate-08</b>	<p><b>Schedule of Procedure and Constitution of Institutional Human Ethics Committee (IHEC)</b></p> <p>It was informed that the guidelines of Indian Council of Medical Research (ICMR) provides for constitution of Institutional Human Ethics Committee (IHEC) to facilitate and monitor the research involving human subjects. The guidelines further provide for formulating a Schedule of Procedure prescribing the constitution of IHEC, its role, operation and management of the committee. It was also informed that in line with the guidelines, the Institute has identified experts and obtained their consent for constitution of Institutional Human Ethics Committee. A copy of members of the committee was placed as <b>Annexure E1</b>. In addition, a Schedule of Procedure formulated by the Institute was placed as <b>Annexure E2</b>.</p> <p><b>The Senate after due deliberation recommended for placing the proposal before the BoG for approval for Constitution of Institutional Human Ethics Committee and also the Schedule of Procedure of the Institute Ethics Committee.</b></p>
<b>2023-50-Senate-09</b>	<p><b>Introduction of New Category for PhD admission - PhD (Fellowship)</b></p> <p>The category of admission, under Ordinance, include “Regular Full-Time Scholars with or without Institute Fellowship or with Project Support”.</p> <p>However, the Institute is admitting PhD scholars under DST Inspire: UGC support; Visvesvaraya Scheme of the Government of India with due approval of the Senate. The fellowship for these scholars is granted by concerned Institutions. Therefore, a need was felt to group the students admitted under these schemes into a separate category.</p> <p>Accordingly, the Senate was requested that the PhD scholars admitted under DST Inspire: UGC award, MeitY or any other similar scheme may be grouped under a new category “PhD (Fellowship) - Regular Full Time Scholars with Government / Semi Government Fellowship Award”.</p> <p><b>The Senate approved the Creation for new category PhD (Fellowship) - Regular Full Time Scholars with Government / Semi Government Fellowship Award” for admission to PhD programme. The Senate further approved for initiating the admission process during mid-semester period on receipt of sanction order for fellowship.</b></p>
<b>2023-50-Senate-10</b>	<p><b>Modified Course Content for two M.Tech Courses: (i) High Level Verification with System Verilog and UVM and (ii) IC Design Practice</b></p> <p>It was informed that Department of Electronics and Communication Engineering was offering a M Tech programme in Electronic System Design since 2010. This programme has been modified as M Tech in Microelectronics and VLSI Systems from 2021 with after due approval of the senate in its 44th meeting.</p> <p>The curriculum for the revised programme included a course titled “Verification Practice” as a practice course with L T P C - 0 0 3 1.5., for the first batch in Jan-May 2022 semester. The course was handled by Mr Hariharan Seshadri who is having more than 20 years of experience in VLSI industry.</p> <p>It was also informed that the faculty suggested for modifying the course with both theory and practice components as L T P C - 2 0 4 4 based on discussion with experts from Qualcomm/ Intel etc. Further, during the internal discussion, it was suggested to include layout design and post layout</p>

simulation in addition to schematic simulation as part of every experiment in “IC Design Practice” course by increasing the hours to 4 from 3.

Accordingly, the modified course was offered for the first batch in Jan-May 2022 semester with due approval of the Chairman, Senate, and the details are as under:

Course Title	L T P C	Modified Course Title	L T P C
Verification Practice	0 0 3 1.5	High level verification with System Verilog and UVM	2 0 4 4
IC Design practice	0 0 3 1.5	IC Design practice	0 0 4 2

A copy of the same was placed as **Annexure F**.

The revised courses were, inadvertently, not placed in the earlier meeting for ratification of the Senate. As the modification was carried out for the benefit of students and improving the curriculum, the senate was requested to ratify the approval accorded by the Chairman, Senate for the modified courses.

**The Senate ratified the approval accorded by the Chairman, Senate for the modified courses.**

**2023-50-Senate-11**

**Approval for engaging Senior Undergraduate Students as Teaching Assistants**

It was informed that the institute teaching pedagogy includes tutorials / problem sessions / activity based learning. At present, the Institute is engaging PhD and PG students as Teaching Assistants to support these activities. As sufficient number of PhD/PG students are not available, the proposal of the Institute to engage Senior Undergraduate Students with CGPA at least 8.5 as teaching assistants for UG level courses was intimated to the Senate. These students will be assigned TA duty for one theory / practice course per semester and paid an amount of Rs. 5000/- per month.

**The Senate approved the proposal of engaging Undergraduate of 6<sup>th</sup> Semester and above as Teaching Assistants with a fellowship amount of Rs. 5000/- per month. The students having CGPA of 8.5 and above and having no backlog / disciplinary action may be selected by the departmental committee on semester basis to the maximum of 10 students per semester per department.**

**2023-50-Senate-12**

**Guidelines for PhD Thesis Evaluation**

The Senate was informed that the institute is forwarding the thesis to an Indian examiner and a foreign examiner for evaluation of thesis work. However, it is noticed that in certain cases, there is a delay in receiving the report from the examiners. This leads to further delay in conducting viva voce meeting and for awarding the degree to the scholars.

The Senate was informed about the practice of forwarding the thesis to three examiners (Both Indian and Foreign) by other Institutes like IITs to avoid the delay.

As the institute is facing similar problem, the proposal of the Institute to send the thesis work to three examiners as decided by the Chairman, Senate, was intimated. On receipt of reports from any of the two examiners, the Institute will permit the students to defend his thesis work. Further, the proposal of the Institute to include reviewers, over and above suggested by the DC, by the Chairman, Senate in consultation with Dean (Academics) was also intimated. The proposal of getting prior concurrence from the prospective examiners by sending a copy of the synopsis of the thesis was also intimated to the Senate.

**The Senate discussed the proposal and approved the following amendments in the PhD ordinance.**

**R.19(b)(1) :** The research scholars shall present the synopsis before the Doctoral Committee (DC). If the synopsis is approved by the Doctoral Committee (DC) in the meeting, the thesis supervisor shall present a list of five Indian examiners and Five Foreign examiners who are the subject experts

	<p>related to thesis work working in reputed academic and research Institutions in India and abroad for consideration by the Doctoral Committee (DC) in the same meeting. The subject experts shall be in the grade of Associate Professor and above for the academia, and in the grade of Scientist ‘F’ and above for research Institutions.</p> <p><b>R.19(b)(2) :</b> The Chairman, Senate, if required may include additional members in addition to the list suggested by the Doctoral Committee (DC) and this shall deemed to be the final list of experts for thesis evaluation.</p> <p><b>R.21 :</b> The thesis shall be sent to any Three examiners chosen by the Chairman, Senate or his nominee from the final list.</p> <p><b>R.22:</b></p> <p>(a) The examiner is expected to send the report of thesis within two months from the date of receipt of thesis.</p> <p>(b) Timely reminders will be initiated by the Dean-Academics for getting the thesis evaluation report from time to time. In case of undue delay in the receipt of thesis evaluation, the Chairman, Senate can authorize for change of examiner.</p> <p>(c) If the two out of three examiners recommend for acceptance of the thesis, then the scholar is expected to address all the comments/suggestions raised by the examiners, and present a compliance report (response to reviewers’ comments) to the doctoral committee. On satisfactory completion of the compliance report meeting, the doctoral committee recommends for viva-voce examination.</p> <p>(d) The report received from the two examiners recommend for major revision of the thesis, then the doctoral committee may consider and recommend for suitable timeline for resubmission of the thesis.</p> <p>(e) PhD viva-voce examination board shall consist of</p> <ul style="list-style-type: none"> <li>(i) Dean (Academics)</li> <li>(ii) HoD</li> <li>(iii) DC members</li> <li>(iv) One Indian Examiner</li> <li>(v) Supervisor (s)</li> </ul> <p>and the committee shall meet in full attendance.</p> <p>(f) Any cases, if not covered above shall be referred by the Dean-Academics to the Chairman, Senate for decision.</p>
<p><b>2023-50-Senate-13</b></p>	<p><b>Appointment of Honorary Faculty</b></p> <p>Guidelines for the appointment of Emeritus Fellows, Visiting Faculty, Distinguished Visiting Professors / Professor of Practice are presented in this Senate in compliance with the Institute Statutes. The details are placed for kind perusal of the Senate.</p> <p><b>The Senate discussed the proposal and suggested that the remuneration is payable as per norms and the committee should include two distinguished subject experts nominated by the Director.</b></p> <p><b>The Senate after due deliberation recommended for placing the proposal before the Board for approval of guidelines (Annexure G) for appointment of Emeritus Fellows, Adjunct Faculty, Visiting Faculty, Distinguished Visiting Professors / Professor of Practice at the Institute.</b></p>



<b>2023-50- Senate-14</b>	<b>Any other matter with the permission of the Chair</b>
	<b>A clarification was sought from the Senate whether the number of credits to be earned for Minor/Specialization is within the programme credit requirements or outside. The Senate advised the institute to place a separate agenda item in the next Senate highlighting the already approved guidelines and a report on the guidelines followed in other institutes.</b>

**Sd/-  
(Dr. Sadagopan N)  
Dean (Academic Affairs)**

**Sd/-  
(Shri. A. Chidambaram)  
Registrar & Secretary, Senate**

**Sd/-  
(Prof. M.V.Kartikeyan)  
Director & Chairman, Senate**