राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल
National Institute of Technology Warangal

Hanamkonda, Warangal-506004, Telangana

Senate Minutes

Meeting No.:   141

Date: 11th February 2025

Time   16.30 hours

Venue: Senate Hall, NIT Warangal

Minutes of 141st Meeting of the Senate held on 11th February 2025

Prof. Bidyadhar Subudhi, Chairman
Director, NIT Warangal

Sri. Sunil Kumar Mehta
Registrar, NIT Warangal

Members Present:

1.	Prof. A. Benerji Babu (MA)	33	Prof. M. Heera Lal (CE)
2	Prof. A. Sarath Babu (CH)	34	Prof. M. Joseph Davidson (ME)
3	Prof. A. Veeresh Babu (ME)	35	Prof. M. Sailaja Kumari (EE)
4	Prof. A. Venu Gopal (ME)	36	Prof. Mahesh Kumar Talari (MM)
5	Prof. A. Venu Vinod (CH)	37	Prof. N. Kishore Babu (MM)
6	Prof. Adepu Kumar (ME)	38	Prof. N. Narasaiah (MM)
7	Prof. Arif Ali Baig Moghal (CE)	39	Prof. N. Selvaraj (ME)
8	Prof. Asit Kumar Khanra (MM)	40	Prof. N.V. Srikanth (EE)
9	Prof. B. Sathish Ben (ME)	41	Prof. N.V. Umamahesh (CE)
10	Prof. B. Sri Padmavati, UOH	42	Prof. P. Abdul Azeem (PH)
11	Prof. B.L. Narasimha Raju (EE)	43	Prof. P. Bangaru Babu (ME)
12	Prof. C.S.R.K. Prasad (CE)	44	Prof. P. Hari Krishna (CE)
13	Prof. Ch. Venkaiah (EE)	45	Prof. P. Muthu (MA)
14	Prof. D. Kasinath (CY)	46	Prof. P. Ramlal (MS)
15	Prof. D. Vakula (EC)	47	Prof. P. Ratish Kumar (CE)
16	Prof. Debashis Dutta (MA)	48	Prof. P. Ravi Kumar (PE)
17	Prof. Divi Haranath (PH)	49	Prof. P. Sreehari Rao (EC)
18	Prof. G. Nagasrinivasulu (ME)	50	Prof. P. Sreenivasa Rao (BT)
19	Prof. G. Rajesh Kumar (CE)	51	Prof. P. Syam Prasad (PH)
20	Prof. G.V.S. Nageswara Rao (MM)	52	Prof. P. Venkata Sri Laxmi (CY)
21	Prof. Hari Ponnamma Rani (MA)	53	Prof. P. Venkateswara Rao (CE)
22	Prof. J.V. Ramana Murthy (MA)	54	Prof. Pisipati Radha Krishna (CS)
23	Prof. K. Anand Kishore (CH)	55	Prof. R. Narasimha Rao (ME)
24	Prof. K. Kiran Kumar (ME)	56	Prof. R. Padmavathy (CS)
25	Prof. K. Madhavi (HS)	57	Prof. R. S. Selvaraj (MA)
26	Prof. K. Narasimhulu (BT)	58	Prof. R. Satish Babu (BT)
27	Prof. K. Venkata Reddy (CE)	59	Prof. R.B.V. Subrahmanyam (CS)
28	Prof. K.V. Sai Srinadh (ME)	60	Prof. Rashmi Ranjan Rout (CS)
29	Prof. KNS Kasiviswanadham (MA)	61	Prof. Ravi Kumar Jatoth (EC)
30	Prof. L. Anjaneyulu (EC)	62	Prof. S. Anuradha (EC)
31	Prof. L. Krishnanand (ME)	63	Prof. S. Ravichandra (CS)
32	Prof. M. Chandrasekhar (CE)	64	Prof. S. Srinivasa Rao (EE)

65	Prof. S. Venkateswara Rao (CE)	73	Prof. V. Ramana Murthy (CE)
66	Prof. Sonawane Shirish Hari (CH)	74	Prof. V. Suresh Babu (ME)
67	Prof. Sourabh Roy (PH)	75	Prof. V.P. Chandra Mohan (ME)
68	Prof. Srikanth Korla (ME)	76	Prof. Vangapandu Rama Devi (MS)
69	Prof. T. Kishore Kumar (EC)	77	Prof. Velagapudi Vasu (ME)
70	Prof. T. Venkatappa Rao (PH)	78	Prof. Venkaiah Chowdary (CE)
71	Prof. T.D. Gunneswara Rao (CE)	79	Prof. Y. Ravi Kumar (ME)
72	Prof. V. Rajesh Khana Raju (ME)		

Special Invitees:

1	Prof. B. Rama Raju (Head, BT)	5	Prof. Sunitha G (Head, MS)
2	Prof. M. R. Viswanadhan (Head, HS)	6	Prof. KVR Ravi Shankar (AD-PG)
3	Prof. S. Vidyasagar, (Head, CH)	7	Prof. Syed Ismail (AD-UG)
4	Prof. Santhosh P. (Head, CY)	8	Sri. V. Upendar (AR-Acad)

The following members could not attend the meeting:

1	Prof. Amit Prashant, IIT GN	16	Prof. N. Bheema Rao (EC)
2	Prof. Ashok K. Pradhan, IIT KGP	17	Prof. N. Viswanathan (EE)
3	Prof. B. Lakshmi (EC)	18	Prof. NVSN Sarma (EC)
4	Prof. Bhagwan K. Murthy (EE)	19	Prof. P. Hari Prasada Reddy (CE)
5	Prof. C. Vanitha (MM)	20	Prof. P. Subhash Chandra Bose (ME)
6	Prof. C.S.P. Rao (ME)	21	Prof. P. Vamsi Krishna (ME)
7	Prof. Ch. Sudhakar (CS)	22	Prof. P. Venkata Suresh (CH)
8	Prof. D. Jayakrishna (ME)	23	Prof. Puli Ravi Kumar (ME)
9	Prof. D. Ramaseshu (CE)	24	Prof. S. Srinath (CH)
10	Prof. D. Srinivasa Charya (MA)	25	Prof. S. Srinivasa Rao (ME)
11	Prof. D.V.S.S. Siva Sarma (EE)	26	Prof. V. Hari Kumar (ME)
12	Prof. G. Amba Prasad Rao (ME)	27	Prof. V. Venkata Mani (EC)
13	Prof. K. Ramesh (CS)	28	Prof. V.T. Somasekhar (EE)
14	Prof. K. Thangaraju (PH)	29	Prof. Venkatathri Narayanan (CY)
15	Prof. K.V. Gobi (CY)	30	Prof. Vishnu Shanker (CY)

Leave of absence of the members was noted.

The Chairman, Senate welcomed Sri. Sunil Kumar Mehta, Registrar and Secretary to Senate and all the Senators.

Part-A [In the presence of Student Representatives]

2025-141-Senate-01	Item Related to Student Activities

Mrs. K. A. Saraswathi, Roll No. 21PHREP02, a part-time research scholar is currently in the 7th semester. She has published 4 SCI journal papers and completed all the planned research work. She made a request to submit her thesis, waiving the minimum period of four years. The DSC of the scholar has recommended the request.

Noting the progress of the Scholar, the Senate approved the request of the Scholar to submit her thesis.

PART-B [Without the presence of the Student Representatives]

2025-141-Senate-2	Action Taken report on the decisions taken in 140th Senate meeting

2025-140-Senate-01	(a) Request of Mr. Hritik Kumar for Re-admission (b) Request of Ms. Amala K.P. for continuance of her PhD program (c) Request of Ms. Sure Mamatha	Informed the decision of the Senate to the Candidate. Withdrawal order for two years was issued. The Department is requested to conduct the Comprehensive Viva-Voce Examination in the 4th Semester
2025-140-Senate-03	Confirmation of the minutes of 139th Senate meetings	The minutes of 139th Senate meeting confirmed by the Senate have been uploaded on the Institute website.
2025-140-Senate-04	a) Mr. Deshaboina's admission into PhD program in CS b) Change of Supervisor for Ms. Sadhana Vangapalli and Mr. Mr. Teshome G. Selamu c) Conversion of JRFs/SRFs working under Projects to Institute Fellows	The Student has registered for the PhD program. The revised DSCs for both the Scholars have been approved. The Institute level written test will be planned for Scholars without GATE
2025-140-Senate-05	Results of Ph.D. Viva Voce Examination	Noted
2025-140-Senate-06	Adoption of UG Minor Program in Quantum Technologies	The three Departments of CS, EC and PH are requested to prepare the detailed structure of the Minor program and submit it to the Chairman, CDC.
2025-140-Senate-07	Senate Protocol	The Senate Protocol approved by the Senate has been uploaded on the Institute website.

2025-140-Senate-08	Guidelines for Change of Supervisor	The guidelines will be circulated to faculty and Scholars after confirmation of the minutes.
2025-140-Senate-09	Revised Grading Policy	The applicable changes for the current semester will be circulated to students and faculty after confirmation of the minutes.
2025-140-Senate-10	Senate Nomination for Board Members	Noted.
2025-140-Senate-11	Organization of Annual Convocation	The approved guidelines will be incorporated in the Academic Calendar.
2025-140-Senate-12	Residential Requirement for Part-Time Scholars	The approved recommendations will be implemented with immediate effect.
2025-140-Senate-13	Report of SPGC on some of the PG curricula	The SPGC is advised to come up with detailed guidelines to evaluate Dissertation works carried out in the Industries.
2025-140-Senate-14	Autumn Semester Results of BSc. BEd. program.	The approved results have been published.

The Senate noted down the action taken report.

2025-141-Senate-3	Confirmation of the minutes of 1410th Senate meeting

The minutes of the 140th meeting of the Senate were circulated to all the senators. No comments were received from the Senators.

The Senate confirmed the minutes of the 140th Senate Meeting.

2025-141-Senate-4	(a) Results of Ph.D. Viva-Voce Examination

The results of the following Ph.D. students who have been provisionally awarded degrees after 140th Senate meeting held on 22-01-2025 on approval of the Chairman, Senate is placed before the Senate for information.

PhD Results		
1	**Mr. Kota Nageswara Rao**	
	Department	**EC**
	Roll No.	**721068**
	Date of Viva-voce Examination	24.01.2025
	Foreign Examiner	Dr. Tu Dac Ho,Norwegian, University of Science and Technology,Trondheim
	Indian Examiner	Dr. Rajarshi Roy, Assoc. Prof., IIT Kharagpur
	Supervisor(s)	Prof. Kalpana Naidu
	Thesis Title	A Study on Shear Behaviour of Higher Strength Concretes
	Mr. Buri Eswar Sai	
	Department	**CE**

2	Roll No.	**719016**
	Date of Viva-voce Examination	27.01.2025
	Foreign Examiner	Dr. Alfred Kalyanapu, Tennessee Technological University, USA
	Indian Examiner	Dr. Kasiviswanathan KS, IIT Roorkee
	Supervisor(s)	Prof. K. Venkata Reddy
	Thesis Title	Optimal Water Resources Management for a River Basin Under Climate Change Scenarios
3	**Mr. Sujoy Kumar Dolui**	
	Department	**ME**
	Roll No.	**716140**
	Date of Viva-voce Examination	31.01.2025
	Foreign Examiner	Prof. Mohamad Y. Mustafa, University of Norway, Norway
	Indian Examiner	Prof. Raja Banerjee, IIT Hyderabad
	Supervisor(s)	Prof. A. Veeresh Babu
	Thesis Title	Enhancing Cleanroom Air Handling Unit Efficiency with Nanofluids: A Comprehensive Study on Heat Transfer Improvement and Thermo-economic Impacts
4	**Mr. Ramesh Daravath**	
	Department	**EE**
	Roll No.	**719035**
	Date of Viva-voce Examination	31.01.2025
	Foreign Examiner	Prof. Vinod Khadkikar, Khalifa University, UAE
	Indian Examiner	Prof. Amod C. Umarikar, IIT Indore
	Supervisor(s)	Prof. S. Srinivasa Ra
	Thesis Title	Investigations on Control Flexibilities of Grid Integrated Solar Photovoltaic Energy Conversion System
5	**Mr. Periyavaram Sudheekar Reddy**	
	Department	**CE**
	Roll No.	**719028**
	Date of Viva-voce Examination	05.02.2025
	Foreign Examiner	Prof. Jean-Claude J. Bonzongo, University of Florida, USA
	Indian Examiner	Prof. Brajesh Kumar Dubey, IIT Kharagpur
	Supervisor(s)	Prof. P. Hari Prasad Reddy
	Thesis Title	Integrated Approaches in Hydrothermal Carbonization of Food Waste and its Diverse Applications

2025-141-Senate-4	(b) Appointment of Adjunct Professors and Professor of Practice

The following Professors were appointed as Adjunct Professors / Professor of Practice based on the recommendations of the Departments and the Institute Standing Committee.

S No	Department	Adjunct Professor/Professor of Practice
1	EE	Prof. Sivaji Chakravorti, Jadhavpur University, Former Director NIT Calicut.
2	MM	Dr. Vikas Kumar, Chairman, ARDB
3	EE	Dr. Veera Raju M, EE

The Senate noted the PhD results and appointment of Adjunct Professors and Professor of Practice.

2025-141-Senate-5	Senate Nomination for Board Members

The Search Committee appointed by the Senate in its 140th Meeting has submitted its recommendation to the Chairman, Senate, which is placed in Annexure-1.

The Chairman, Senate has nominated the first name recommended by the Search Committee i.e. Prof. D V S S Sarma (Professor in EE) to serve as a Member, Board of Governors.

The Senate ratified the decision of Chairman, Senate.

2025-141-Senate-3	Fractal Courses

The UG students admitted in the AY 2024-25 are required to complete two fractal courses each for 0.5 credits, one in 2nd year and the other in 3rd year. In order to encourage the students to learn the latest developments and exploit the opportunity of gaining learning experience from visiting faculty, adjunct faculty and through GIAN or SPARC programs, it is proposed that students may be allowed to take a maximum number of SIX fractal courses as and when arranged by the concerned Department or Institute right from 1st semester. If the student is able to acquire 3 credits through these fractal courses, one of the Open Elective/Professional Elective may be waived.

The Senate approved the proposal and suggested that GIAN or SPARC workshops may be conducted from 2.00 pm onwards to facilitate the students to participate in these workshops. The Senate also suggested that the students may be awarded one credit as per the norms of GIAN programs of one-week duration.

2025-141-Senate-7	Recommendation of the Semester Results to the Senate for approval

In the recent semester results, it is observed that several corrections and requests are made for change of grades owing to omission or commission of entry of Marks. It is proposed to adopt the following steps to ensure publication of results accurately.

a) *Head (CDIS) is advised to facilitate the entry of all the components of evaluation in the ERP system, except for end-semester/Major examination marks, sufficiently in advance.*

b) *After entering the end-semester/Major examination marks by the faculty, GRADE shall be automatically generated by the ERP.*

c) *SUGC and SPGC will scrutinize the results of UG and PG/PhD programs respectively. If any discrepancies in the results are observed, the results will be referred back to the concerned faculty member for making the necessary corrections.*

d) *After satisfaction by the SUGC and SPGC, the results are recommended to Senate for its approval.*

e) *The Chairmen of SUGC and SPGC will present the results and analysis of the UG and PG programs respectively to the Senate.*

f) *Further, the Chairman, RPEC will present the details of PhD Scholar's progress for information of Senate.*

The Senate approved the proposal.

2025-141-Senate-5	Proposal for starting new Academic Programs

Considering the Academic growth of the Institute and future direction towards industry needs it is proposed to start the following new Academic Programs in Self-Finance mode.

(a) B.Tech in Sustainable Energy Systems

The B.Tech in Sustainable Energy Systems will be an interdisciplinary program with participation of EE, CH and ME Departments. The admission shall be through JEE Mains.

(a) BS degree in Artificial Intelligence and Data Science

It is proposed to start a new UG program, Four-year Bachelor of Science in Artificial Intelligence and Data Science. Further, it is proposed that for admission into this program students are not required to obtain a rank in JEE Mains. The admission will be based on a written test conducted by the Institute.

The Senate in principle approved the proposal. The Senate requested the Chairman, New Academic Programs, to present the names of the programs, detailed guidelines, the modalities for admission such as conduction of test and syllabi in the next Senate meeting.

2025-141-Senate-6	Proposal for Starting Department of Education

ITEP has been started in few IITs and NITS including NIT Warangal since 2023. Currently this program is administered by the Department of MA. It is observed that there is a lot of scope in focusing on education technology and lifelong learning in addition to BSc. BEd. Program. In view

of enhancing these activities, It is proposed to create an exclusive Department of Education.

After detailed deliberations the Senate approved the proposal.

2025-141-Senate-7	Partha Ghosh Leadership Academy

It is proposed to establish "Partha Ghosh Leadership Academy". The Academy will be responsible to offer leadership programs and workshops for the benefit of faculty and students. Further the Academy is expected to offer an Open Elective Course on Leadership for the benefit of students. The draft proposal for establishing the Leadership Academy is given in Annexure-1.

The Senate in principle approved the proposal and advised Prof. Harikrishna (CE) to submit a detailed proposal including financial budget and obligation from both NIT Warangal and the Academy.

2025-141-Senate-8	Joint PG programs in Collaboration with AIT Bangkok

Prof. C.S.R.K. Prasad, former Dean (IRAA) and Prof. Shirish H. Sonawane, Dean (R&D), recently visited Asian Institute of Technology Bankkok to attend the Industry Academia International Business Incubation Conclave (INAIBIC 2024) at AIT Bangkok.

Based on the visit and preliminary discussions, it is proposed to run joint programs with AIT Thailand in similar lines to IIT Gandhinagar. Some of the possibilities to offer joint programs are as follows:

- *B Tech (3.5 years at NITW + 1.5 years at AIT) / (3 years at NITW + 1 years at AIT)*
- *BTech (4 years at NITW + 1 year management program at AIT)*
- *Duel Degree (4 years at NITW + 1 year M.Tech at AIT)*
- *MS/M.Tech (1 year at NITW + 1 year at AIT) GATE is not mandatory*
- *PG Programs (1 year at AIT + 1 year at NITW)*
- *Joint Ph.D. Programs*

The Senate discussed in detail and in principle approved the proposal for internationalization of the academic programs with following priority.

1. *B.Tech (4 years at NITW) + 1 Year Management program at AIT Bangkok*
2. *B Tech (3 years at NITW + 1 year at AIT during third year)*
3. *PG Programs (1 year at AIT + 1 year at NITW)*
4. *Joint Ph.D. Programs*

The Dean (Academic) is advised to submit detailed proposal, discussing with our alumnus, Prof. Nithin Tripathi, AIT Bangkok.

2025-141-Senate-9	PG Diploma in Computer Applications

The Department of CS is proposing to issue an exit degree in line with NEP for MCA students. It is proposed to award PG Diploma in Computer Applications at the end of two years after successfully completing the credit requirements of first two years as suggested in the Curriculum.

The Senate discussed the above proposal and is of the opinion that instead of discussing individual exit proposals, a detailed Exit Policy of the Institute is to be formulated inviting recommendations from the NEP Committee of the Institute as per NEP-2020 guidelines.

2025-141-Senate-10	Proposals for e-Masters programs

The Departments were suggested to express interest to float e-Master's program from the next Academic Year. In response the Departments have proposed to offer the following e-Masters' programs.

Dept.	Name of the e-Masters' Program	Remarks
ME (3)	Additive Manufacturing	For Executives (Having a minimum of 2 years industry experience), Program Coordinator: Prof. Y Ravikumar
	Digital Manufacturing	For fresh and experienced B Techs. Offered jointly with Siemens Centre. Program Coordinator: Prof. V Vasu
	Smart Systems Engineering	For fresh and experienced B Techs Program Coordinator: Prof. Srinagalakshmi Program Co Coordinators: Prof. Vijay and Prof. Maroju Naresh
CE (10)	Construction Technology and Management	Provided Key information about the proposed programs
	Disaster Management for Earthquakes and Landslides	
	Advanced Geomatics	
	Road Safety Engineering	
	Traffic Control and Management	
	Modelling and Simulation in Environmental Engineering	
	Computational Mechanics	
	Environmental Health & Safety	
	Heritage Engineering	

	Non-destructive assessment and evaluation of materials	
EC (3)	Nano Electronics	Eligibility: B.Tech any specialization/MSc (Physics/Chemistry/Maths)
	Machine Learning and Signal Processing	Eligibility: B.Tech any specialization/MSc (Physics/Chemistry/Maths)
	Artificial Intelligence and Edge Computing	Eligibility: B.Tech any specialization/MSc (Physics/Chemistry/Maths) In collaboration with CSE and EE.
CS (5)	Data Science	
	Cyber Security	
	Software Engineering	
	Artificial Intelligence and Machine Learning	
	Quantum Computing	

After due deliberations, the Senate approved to go ahead with offering e-Masters program from each Department. In view of the optimal usage of faculty time towards their existing teaching and research obligations, the Senate suggested that each Department can suggest one e-Master's program to offer from the next Academic Session. The HoDs are advised to send the name of the e-Masters program it wishes to offer first. The Chairman, Senate has been authorised to approve the titles of the e-Masters program submitted by the Departments. After the approval, the Departments are suggested to present the detailed modalities such as eligibility criterion, duration and curriculum in the next Senate.

2025-141-Senate-11	Any other Item with the permission of the Chair

The following proposal is made by Prof. M. Sailaja Kumari:

(a) Offer a course on "Universal Human Values", as Mandatory Non-Credit Course in the 3rd or 4th semester Curriculum of B.Tech students.

(b) Introduce Induction Program for I B.Tech students.

The proposal is discussed at length. The Senate suggested to offer the following courses as either fractal courses or Open Elective courses with appropriate credits.

MNC-4

1. IC301 Integrated Self-Management

2. *IC302 Integrated Yoga for Promotion of Positive Health*

3. *IC303 Health, Wellness and Fitness Management*

4. *IC304 Holistic Human Health*

5. *IC305 Intellectual Property Rights and Patents*

6. *IC306 Disaster Management*

7. *IC307 Sustainable Development*

8. *IC308 Environmental Science and Engineering*

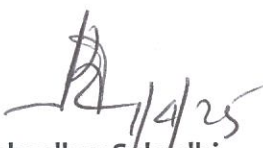9. *IC309 Engineering Biology*

MNC-5

1. *IC201 Personality Development Through Life Enlightenment Skills*

2. *IC202 Universal Human Values*

3. *IC203 Professional Ethics*

4. *IC204 Gender Sensitization*

5. *IC205 Indian Culture and Heritage*

6. *IC206 Indian Knowledge Systems*

7. *IC207 Constitution of India*

8. *IC208 History of Science and Technology*

9. *IC209 Sanskrit for Technical Knowledge*

Further the contents from some of these courses can be included in the Orientation Program for new B.Tech and Int. MSc. Students.

The meeting ended with thanks to the Chair.

Sri. Sunil Kumar Mehta
Registrar & Secretary

Prof. A. Sarath Babu
Dean, Academic

Prof. Bidyadhar Subudhi
Director & Chairman