

राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल  
National Institute of Technology Warangal

Hanamkonda, Warangal-506004, Telangana

## *Senate Minutes*



**Meeting No.:** 138  
**Date:** 18<sup>th</sup> November 2024  
**Time** 17.00 hours  
**Venue:** Senate Hall, NIT Warangal

## Minutes of 138<sup>th</sup> Meeting of the Senate held on 18<sup>th</sup> November 2024

**Prof. Bidyadhar Subudhi, Chairman**

Director, NIT Warangal

**Prof. N.V. Umamahesh**

Registrar (I/c), NIT Warangal

### Members Present:

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| 1. Prof. A. Benerji Babu (MA)      | 33 Prof. N. Narasaiah (MM)           |
| 2 Prof. A. Sarath Babu (CH)        | 34 Prof. N. Selvaraj (ME)            |
| 3 Prof. A. Veeresh Babu (ME)       | 35 Prof. N. Viswanathan (EE)         |
| 4 Prof. A. Venu Gopal (ME)         | 36 Prof. N.V. Srikanth (EE)          |
| 5 Prof. A. Venu Vinod (CH)         | 37 Prof. N.V. Umamahesh (CE)         |
| 6 Prof. Adepur Kumar (ME)          | 38 Prof. P. Abdul Azeem (PH)         |
| 7 Prof. Arif Ali Baig Moghal (CE)  | 39 Prof. P. Bangaru Babu (ME)        |
| 8 Prof. B. Lakshmi (EC)            | 40 Prof. P. Hari Krishna (CE)        |
| 9 Prof. B.L. Narasimha Raju (EE)   | 41 Prof. P. Hari Prasada Reddy (CE)  |
| 10 Prof. C. Vanitha (MM)           | 42 Prof. P. Muthu (MA)               |
| 11 Prof. Ch. Sudhakar (CS)         | 43 Prof. P. Ratish Kumar (CE)        |
| 12 Prof. Ch. Venkaiah (EE)         | 44 Prof. P. Ravi Kumar (PE)          |
| 13 Prof. D. Kasinath (CY)          | 45 Prof. P. Sreehari Rao (EC)        |
| 14 Prof. D.V.S.S. Siva Sarma (EE)  | 46 Prof. P. Sreenivasa Rao (BT)      |
| 15 Prof. Debashis Dutta (MA)       | 47 Prof. P. Venkata Sri Laxmi (CY)   |
| 16 Prof. Divi Haranath (PH)        | 48 Prof. P. Venkata Suresh (CH)      |
| 17 Prof. G. Amba Prasad Rao (ME)   | 49 Prof. P. Venkateswara Rao (CE)    |
| 18 Prof. G.V.S. Nageswara Rao (MM) | 50 Prof. Pisipati Radha Krishna (CS) |
| 19 Prof. Hari Ponnammma Rani (MA)  | 51 Prof. Puli Ravi Kumar (ME)        |
| 20 Prof. K. Anand Kishore (CH)     | 52 Prof. R. Narasimha Rao (ME)       |
| 21 Prof. K. Kiran Kumar (ME)       | 53 Prof. R. Padmavathy (CS)          |
| 22 Prof. K. Madhavi (HS)           | 54 Prof. R. S. Selvaraj (MA)         |
| 23 Prof. K. Narasimhulu (BT)       | 55 Prof. R. Satish Babu (BT)         |
| 24 Prof. K. Thangaraju (PH)        | 56 Prof. R.B.V. Subrahmanyam (CS)    |
| 25 Prof. K. Venkata Reddy (CE)     | 57 Prof. Rashmi Ranjan Rout (CS)     |
| 26 Prof. KNS Kasiviswanadham (MA)  | 58 Prof. S. Anuradha (EC)            |
| 27 Prof. L. Anjaneyulu (EC)        | 59 Prof. S. Ravichandra (CS)         |
| 28 Prof. L. Krishnanand (ME)       | 60 Prof. S. Srinivasa Rao (EE)       |
| 29 Prof. M. Joseph Davidson (ME)   | 61 Prof. S. Venkateswara Rao (CE)    |
| 30 Prof. M. Sailaja Kumari (EE)    | 62 Prof. Sonawane Shirish Hari (CH)  |
| 31 Prof. N. Bheema Rao (EC)        | 63 Prof. Srikanth Korla (ME)         |
| 32 Prof. N. Kishore Babu (MM)      | 64 Prof. T. Kishore Kumar (EC)       |

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65	Prof. T. Venkatappa Rao (PH)	71	Prof. V.T. Somasekhar (EE)
66	Prof. T.D. Gunneswara Rao (CE)	72	Prof. Vangapandu Rama Devi (MS)
67	Prof. V. Hari Kumar (ME)	73	Prof. Velagapudi Vasu (ME)
68	Prof. V. Rajesh Khana Raju (ME)	74	Prof. Venkaiah Chowdary (CE)
69	Prof. V. Venkata Mani (EC)	75	Prof. Venkatathri Narayanan (CY)
70	Prof. V.P. Chandra Mohan (ME)	76	Prof. Vishnu Shanker (CY)

**Special Invitees:**

1	Prof. B. Rama Raju (Head, BT)	6	Prof. D. Bhargavi (AD-PG)
2	Prof. M. R. Viswanadhan (Head, HS)	7	Prof. KVR Ravi Shankar (AD-PhD)
3	Prof. S. Vidyasagar, (Head, CH)	8	Prof. Syed Ismail ( AD-UG)
4	Prof. Santhosh P. (Head, CY)	9	Sri. V. Upendar (AR, Acad)
5	Prof. Sunitha G (Head, MS)		

**Student Representative:**

1. Mr M Navaneeth, 21PHRER02

The following members could not attend the meeting:

1	Prof. Amit Prashant, IIT GN	18	Prof. K.V. Gobi (CY)
2	Prof. Ashok K. Pradhan, IIT KGP	19	Prof. K.V. Sai Srinadh (ME)
3	Prof. Asit Kumar Khanra (MM)	20	Prof. M. Chandrasekhar (CE)
4	Prof. B. Sathish Ben (ME)	21	Prof. M. Heera Lal (CE)
5	Prof. B. Sri Padmavati, UOH	22	Prof. Mahesh Kumar Talari (MM)
6	Prof. Bhagwan K. Murthy (EE)	23	Prof. NVSN Sarma (EC)
7	Prof. C.S.P. Rao (ME)	24	Prof. P. Ramlal (MS)
8	Prof. C.S.R.K. Prasad (CE)	25	Prof. P. Subhash Chandra Bose (ME)
9	Prof. D. Jayakrishna (ME)	26	Prof. P. Syam Prasad (PH)
10	Prof. D. Ramaseshu (CE)	27	Prof. P. Vamsi Krishna (ME)
11	Prof. D. Srinivasa Charya (MA)	28	Prof. Ravi Kumar Jatoth (EC)
12	Prof. D. Vakula (EC)	29	Prof. S. Srinath (CH)
13	Prof. G. Nagasrinivasulu (ME)	30	Prof. S. Srinivasa Rao (ME)
14	Prof. G. Rajesh Kumar (CE)	31	Prof. Sourabh Roy (PH)
15	Prof. J.V. Ramana Murthy (MA)	32	Prof. V. Ramana Murthy (CE)
16	Prof. K. Madhu Murthy (ME)	33	Prof. V. Suresh Babu (ME)
17	Prof. K. Ramesh (CS)	34	Prof. Y. Ravi Kumar (ME)

Leave of absence was approved for all the members who could not attend.

The Chairman, Senate welcomed all the Senators.

**Part-A [In the presence of Student Representatives]**

<b>2024-138-Senate-01</b>	<b>Item Related to Student Activities</b>
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1. Request of Mr. Ravikumar K. (EE), Roll No. 22FER2R02

Mr. Ravikumar K., Roll No. 22FER2R02, has made a request for one semester withdrawal on medical grounds and permit him to appear for Comprehensive Viva Voce after the break. The RPEC recommends temporary break of one semester for Mr. Ravokumar K., (Admitted in Jan. 2023) based on medical grounds and permission to appear for Comprehensive Viva Voce after the semester break.

***The Senate approved the recommendation of RPEC.***

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

<b>2024-138-Senate-02</b>	<b>Action Taken report on the decisions taken in 137<sup>th</sup> Senate meeting</b>
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**137<sup>th</sup> Senate meeting**

2024-137-Senate-01	None	--
2024-137-Senate-03	Confirmation of the minutes of 135 <sup>th</sup> and 136 <sup>th</sup> Senate meetings	The minutes of 135 <sup>th</sup> and 136 <sup>th</sup> Senate meetings confirmed by the Senate have been uploaded on the Institute website.
2024-137-Senate-04	(a) Change of Supervisor/inclusion of Co-supervisor (b) Request of Sri Teshome G. Salemu for Comprehensive Viva Voce Examination in 4th Semester	The Department was advised to revise the DSCs for the Scholar accordingly  The Comprehensive Viva Voce Examination has been conducted by the Department.
2024-137-Senate-05	Results of Ph.D. Viva Voce Examination	Noted
2024-137-Senate-06	(a) Filling of the vacant M.Tech seats through Self-Finance Mode (b) Engagement as Adjunct Professors (c) Conversion of JRF to Institute Fellow	Noted
2024-137-Senate-07	Guidelines for conferment the Honorary Doctorates and DSc in the Convocation	Noted. These will be implemented from the 23 <sup>rd</sup> Convocation.
2024-137-Senate-08	Guidelines for preparation of Synopsis and Thesis	The guidelines for preparation of synopsis and thesis along with

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		templates have been uploaded on the Institute website.
2024-137-Senate-09	Guidelines for offering e-Masters, Certificate and Executive Programs	The proposal will be considered in the 138 <sup>th</sup> Senate meeting.
2024-137-Senate-10	Guidelines for offering a common course by different teachers	The guidelines such as setting a common question paper approved by the Senate have been circulated to all the faculty for compliance.
2024-137-Senate-11	Admission of students into various programs for the AY 2024-25	Noted. The report for reorientation of the M.Tech programs in MM from the Chairman, New Programs Committee is awaited.
2024-137-Senate-12	Policy for Comprehensive Viva-Voce examination for Scholars	The guidelines approved by the Senate will be circulated to all the faculty for compliance.
2024-137-Senate-13	Guidelines for Change of Supervisor	The guidelines proposed by RPEC is included in the agenda of 138 <sup>th</sup> Senate.
2024-137-Senate-14	Review of PhD Scholar's Progress	The guidelines after confirmation of the minutes will be made part of the regulations.
2024-137-Senate-15	Policy for issuing Minor and Honors Certificates	The policy will be implemented while issuing the Certificates.
2024-137-Senate-16	Proposal to start a New Academic Department	The recommendations proposed will be included in the next Senate agenda.
2024-137-Senate-17	Application for Grade Change	The item is deferred and will be included in the next Senate agenda.
2024-137-Senate-18	Academic Calendar for BSc. BEd. Program	The Academic Calendar has been uploaded on the Institute Website
2024-137-Senate-19	Any other item with the permission of the Chair	Noted

***The Senate noted the action taken report.***

<b>2024-138-Senate-03</b>	<b>Confirmation of the minutes of 137<sup>th</sup> Senate meeting</b>
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The minutes of the 137<sup>th</sup> meeting of the Senate were circulated to all the senators. The revised minutes based on the comments received from the Senators was presented to the Senate. The Senate is requested to confirm the minutes.

***The Senate confirmed the minutes of the 137<sup>th</sup> Senate Meeting.***

<b>2024-138-Senate-04</b>	<b>Items for Ratification</b>
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The proposal of the Department of Electronics and Communication Engineering to offer two new electives (i) Quantum Computing and Communication for 8<sup>th</sup> semester B.Tech and (2) Quantum Communication for 2<sup>nd</sup> semester M.Tech (ACS) with effect from the next

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semester has been approved by the Chairman, Senate. The Senate is requested ratify the decision taken by the Chairman.

***The Senate ratified the decision of the Chairman, Senate.***

The results of the following Ph.D. students who have been provisionally awarded degrees after 137<sup>th</sup> Senate meeting 11-09-2024 on approval of the Chairman, Senate is placed before the Senate for information.

<b>PhD RESULTS</b>		
1	<b>Mr. Shailesh Singh Sikarwar</b>	
	Department	<b>CH</b>
	Roll No.	717141
	Date of Viva-voce Examination	13.09.2024
	Foreign Examiner	Prof. Henrik Leion, Chalmers University of Technology, Sweden
	Indian Examiner	Prof. Prabu Vairakannu, IIT Guwahati
	Supervisor(s)	Prof. V Ramsagar & Prof. P.V. Suresh
	Thesis Title	Chemical Looping Combustion of Biomass: Thermodynamic Analysis and Metal Oxide Synthesis
2	<b>Mr. Lav Kumar Gupta</b>	
	Department	<b>CE</b>
	Roll No.	701902
	Date of Viva-voce Examination	10.01.2024
	Foreign Examiner	Prof. Stefano Pagliara, University of Pisa, Italy
	Indian Examiner	Prof. Bimlesh Kumar, IITG, Guwahati
	Supervisor(s)	Prof. P. Anand Raj
	Thesis Title	Reduction of Pier Scour Using an Airfoil Collar
3	<b>Mr. K V T K N Prashanth</b>	
	Department	<b>CS</b>
	Roll No.	717041
	Date of Viva-voce Examination	30.09.2024
	Foreign Examiner	Dr Lipika Deka, De Montfort University, UK
	Indian Examiner	Prof. Pradip Kumar Das, IIT Guwahati
	Supervisor(s)	Prof. Tene Ramakrishnudu
	Thesis Title	Investigations on Text-level Psychological Stress Detection Approaches
4	<b>Mr. Gotte Vikram Raju</b>	
	Department	<b>EE</b>
	Roll No.	718124
	Date of Viva-voce Examination	30.09.2024
	Foreign Examiner	Dr. Preetham Goli, Kansas City, USA
	Indian Examiner	Prof. Kalyan Chatterjee, IIT(ISM) Dhanbad
	Supervisor(s)	Prof. N. V. Srikanth
	Thesis Title	Protection of Different Configured Transmission Lines and Frequency Control of Microgrid Using Artificial Intelligent Techniques
5	<b>Mr. Renikunta Mallaiah</b>	
	Department	<b>EC</b>
	Roll No.	719069
	Date of Viva-voce Examination	03.10.2024
	Foreign Examiner	Prof. Vangelis ANGELAKIS, Taborsbergsvägen, Sweden
	Indian Examiner	Prof. Ranjan K. Mallik, IIT, Delhi
	Supervisor(s)	Prof. V. Venkata Mani
	Thesis Title	OTFS for 6G: Simplified Channel Estimation, Equalization, Robust Waveforms and VLC Integration

6	<b>Mr. Medipelly Rampavan</b>	
	Department	<b>CS</b>
	Roll No.	701958
	Date of Viva-voce Examination	07.10.2024
	Foreign Examiner	Dr. Wong Lai Kuan, Multimedia University, Malaysia
	Indian Examiner	Dr. Rajendra Pamula, IIT(ISM), Dhanbad
	Supervisor(s)	Prof. Earnest Paul Ijjina
	Thesis Title	Evolutionary Optimization of Deep Learning Models for Vision based Accident Prevention and Smart Traffic Surveillance Systems
7	<b>Mr. Dilip Kumar Vallabhadas</b>	
	Department	<b>CS</b>
	Roll No.	701956
	Date of Viva-voce Examination	09.10.2024
	Foreign Examiner	Prof. Kshirasagar Naik, University of Waterloo, Canada,
	Indian Examiner	Prof. Sumantra Dutta Roy, IIT - Delhi
	Supervisor(s)	Prof. M. Sandhya,
	Thesis Title	Multimodal Template Protection Schemes for Iris and Fingerprint Biometrics
8	<b>Mr. B. Murali</b>	
	Department	<b>EC</b>
	Roll No.	716031
	Date of Viva-voce Examination	18.10.2024
	Foreign Examiner	Prof. Krishna Busawon, Northumbria University, U.K.
	Indian Examiner	Prof. Shaik Rafi Ahamed, IIT, Guwahati
	Supervisor(s)	Prof. N. Bheema Rao
	Thesis Title	Design and Analysis of Multilayer On-Chip Inductors for RF Applications
9	<b>Mr. Sanjib Kumar Raul</b>	
	Department	<b>CS</b>
	Roll No.	717047
	Date of Viva-voce Examination	18.10.2024
	Foreign Examiner	Dr. Kuan-Ching Li, Providence University, Taiwan
	Indian Examiner	Dr. Padmalochan Bera, IIT Bhubaneswar
	Supervisor(s)	Prof. Rashmi Ranjan Routh
	Thesis Title	Some Investigations of Machine Learning Models for Topic Classification and Road Accident Detection using Social Media Data
10	<b>Mr. Rachamalla Arun Kumar</b>	
	Department	<b>CY</b>
	Roll No.	719117
	Date of Viva-voce Examination	18.10.2024
	Foreign Examiner	Prof. George John, The City College of New York, New York
	Indian Examiner	Prof. M. Sankar, IIT Roorkee
	Supervisor(s)	Prof. S. Nagarajan
	Thesis Title	Synthesis and Self-Assembly of Carbohydrate Naphthalimide Scaffolds for Electronic Applications
11	<b>Mr. K. Hari Krishna</b>	
	Department	<b>ME</b>
	Roll No.	<b>719048</b>
	Date of Viva-voce Examination	21.10.2024
	Foreign Examiner	Prof. Esther Akinlabi, Northumbria University, UK
	Indian Examiner	Prof. V. Pandu Ranga, IIT, Bhubaneswar
	Supervisor(s)	Prof. M J Davidson



	Thesis Title	Mechanical and Corrosion Behaviour of Hot-Deformed Al-Zn-Mg Alloy: A Constitutive and Machine Learning Approach
12	<b>Mr. Ankeshwarapu Sunil</b>	
	Department	EE
	Roll No.	719037
	Date of Viva-voce Examination	22.10.2024
	Foreign Examiner	Prof. Kwang Y. Lee, Baylor University, U.S.A.
	Indian Examiner	Prof. Bharat Singh Rajpurohit, IIT, Jodhpur
	Supervisor(s)	Prof. Ch. Venkaiah
	Thesis Title	Investigations on the Optimal Operation of Active Distribution System using Soft Computing Techniques
13	<b>Mr. Goskula Srinath</b>	
	Department	CY
	Roll No.	701644
	Date of Viva-voce Examination	23.10.2024
	Foreign Examiner	Dr Tapas Sen, University of Central, UK
	Indian Examiner	Prof. Rajendra Srivastava, IIT, Ropar
	Supervisor(s)	Prof. N. Venkatathri
	Thesis Title	Development of Hierarchically Porous Carbon Materials for Efficient CO2 Capture and Catalysis
14	<b>Mr. Pallela Sruthi Sekhar</b>	
	Department	CE
	Roll No.	718110
	Date of Viva-voce Examination	24.10.2024
	Foreign Examiner	Dr. Meead Saberi Kalaei, University of New South Wales, Sydney, Australia
	Indian Examiner	Prof. Satish Chandra, IIT, Roorkee
	Supervisor(s)	Prof. Arpan Mehar
	Thesis Title	Examining the Effect of Curb-Side Bus Stop on Traffic Stream Characteristics on Indian Urban Roads
15	<b>Mr. Prasanta Majee</b>	
	Department	CE
	Roll No.	718105
	Date of Viva-voce Examination	30.10.2024
	Foreign Examiner	Prof. Syed A. Hashsham, Michigan State University, USA
	Indian Examiner	Prof. Kota Sri Harsha, IIT Delhi
	Supervisor(s)	Prof. P. Hari Prasada Reddy
	Thesis Title	Behaviour of Pesticides in Agricultural Soils: Assessment and Biochar-based Control Approach
16	<b>Mr. Dodda Satish Reddy</b>	
	Department	EE
	Roll No.	719036
	Date of Viva-voce Examination	01.11.2024
	Foreign Examiner	Prof. Jahangir Hossain, Australia
	Indian Examiner	Dr. Srinivas Bhaskar Karanki, IIT Bhubaneswar
	Supervisor(s)	Prof. S. Srinivasa Rao
	Thesis Title	Control of Multi-level Converter Interfaced Bi-Polar DC Microgrid for Adaptive Centralized Energy Management System
17	<b>Mr. Rebaka Vara Prasad</b>	
	Department	CY
	Roll No.	701970
	Date of Viva-voce Examination	04.11.2024
	Foreign Examiner	Prof. J. Carlos Menéndez, Universidad Complutense, Spain
	Indian Examiner	Prof. Sivakumar Vaidyanathan, IIT Hyderabad

	Supervisor(s)	Prof. S. Nagarajan
	Thesis Title	Assembled Duibenzylidene Sorbitol Derivatives: as a Confined Reaction Media and Functional Materials
18	<b>Mr. G Punnam Chander</b>	
	Department	<b>CS</b>
	Roll No.	701959
	Date of Viva-voce Examination	05.11.2024
	Foreign Examiner	Prof. Xiao-Zhi Gao, University of Eastern Finland, Finland
	Indian Examiner	Dr. Debi Prosad Dogra, IIT- Bhubaneswar
	Supervisor(s)	Prof. Sujit Das
	Thesis Title	Soft computing based approaches for decision making in uncertain environments
19	<b>Mr. Nikhil Bharat</b>	
	Department	<b>ME</b>
	Roll No.	701924
	Date of Viva-voce Examination	05.11.2024
	Foreign Examiner	Prof. Anish Roy, Loughborough University, UK
	Indian Examiner	Prof. B. Venkata Manoj Kumar, IIT- Roorkee
	Supervisor(s)	Prof. P Subhash Chandra Bose
	Thesis Title	Fabrication, Characterization, and Machinability Study of AA7178 Aluminum Alloy Reinforced with TiO <sub>2</sub> and SiC Nanoparticles with Optimized Wear Parameters Using Soft Computing Techniques
20	<b>Mr. Ravi Mahla</b>	
	Department	<b>MA</b>
	Roll No.	21MAFJ151
	Date of Viva-voce Examination	06.11.2024
	Foreign Examiner	Dr. Sachin Shaw, Botswana, International University of Science and Technology, Botswana
	Indian Examiner	Prof. Satyajit Roy, IIT-Madras
	Supervisor(s)	Prof. K. Kaladhar
	Thesis Title	Entropy Generation in Jeffrey Fluid Flow through Channel with Inclined Magnetic Effect
21	<b>Mr. Baba Fakruddin Monakanti</b>	
	Department	<b>EE</b>
	Roll No.	719038
	Date of Viva-voce Examination	07.11.2024
	Foreign Examiner	Prof. Praveen Jain, , Queen's University, Canada
	Indian Examiner	Prof. Srirama Srinivas, IIT Madras
	Supervisor(s)	Prof. A.V. Giridhar
	Thesis Title	An Improved High Gain DC-DC Converters for Microgrid and Electric Vehicle Applications
22	<b>Mr. Valluru Chandra Sekhar</b>	
	Department	<b>EE</b>
	Roll No.	718119
	Date of Viva-voce Examination	08.11.2024
	Foreign Examiner	Dr. Ashwin M Khambadkone, National University of Singapore
	Indian Examiner	Prof. Tanmoy Maity, IIT(ISM), Dhanbad
	Supervisor(s)	Prof. N. Vishwanathan
	Thesis Title	DC-DC Soft-Switched Power Converter Topologies for LED Lighting
23	<b>Ms. Sai Bhavani Gottumukkala</b>	
	Department	<b>BT</b>
	Roll No.	718158
	Date of Viva-voce Examination	08.11.2024
	Foreign Examiner	Prof. Tomas Helikar, University of Nebraska – Lincoln, USA

	Indian Examiner	Prof. Ganesh Viswanathan, IIT Bombay
	Supervisor(s)	Prof. P. Anbumathi
	Thesis Title	Systems Modelling and Analysis of Cancer Signalling Pathways
24	<b>Ms. Manchala Praval</b>	
	Department	<b>CS</b>
	Roll No.	719086
	Date of Viva-voce Examination	08.11.2024
	Foreign Examiner	Prof. Srividya Bansal, Arizona State University, USA
	Indian Examiner	Dr. Neeraj Kumar Goyal, IIT Kharagpur
	Supervisor(s)	Prof. Manjubala Bisi
	Thesis Title	Design of Early Reliability Prediction Models for Software Projects
25	<b>Ms. T. Shirisha</b>	
	Department	<b>CY</b>
	Roll No.	718165
	Date of Viva-voce Examination	11.11.2024
	Foreign Examiner	Prof. Dr. Diego Muñoz-Torrero, University of Barcelona, Spain
	Indian Examiner	Prof. Irishi N N Namboothiri, Professor, IIT Bombay
	Supervisor(s)	Prof. Dhurke Kashinath
	Thesis Title	Development of synthetic methods for the functionalized Tacrines, 1,2,3,4 Tetrahydroacridines, Acridin-4-yl (aryl) methanones, Carbazoles, and $\beta$ -Carbolines
26	<b>Mr. Praveen Gugulothu</b>	
	Department	<b>CS</b>
	Roll No.	719134
	Date of Viva-voce Examination	11.11.2024
	Foreign Examiner	Prof. Pradeep Varakantham, Singapore Management University
	Indian Examiner	Prof. S. V. Rao, IIT Guwahati
	Supervisor(s)	Prof. Raju Bhukya
	Thesis Title	Gene Mutations and Motifs Detection for Coronavirus in Biological Sequences of COVID-19 using Deep Learning Models
27	<b>Mr. Khushbu Singh</b>	
	Department	<b>MA</b>
	Roll No.	701964
	Date of Viva-voce Examination	11.11.2024
	Foreign Examiner	Prof. Ramaraj Palanisamy, St Francis Xavier University, Canada
	Indian Examiner	Prof. Y V S S Sanyasiraju, Department of Mathematics, IIT Madras
	Supervisor(s)	Prof. K. Kaladhar
	Thesis Title	Stability Analysis of Prey-Predator System using Takagi-Sugeno Approach

**The Senate noted the results of the above mentioned PhD Viva Voce Examinations.**

<b>2024-138-Senate-06</b>	<b>Items for information</b>
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#### **List of Grandaunts for the 22<sup>nd</sup> Convocation**

The number of graduates eligible to receive degrees in the 22<sup>nd</sup> convocation is given below.

The list of graduates is presented to the Senate.

**Under Graduate:**

S.No	Department	Total number of graduands
1	CE	103
2	EE	137
3	ME	146
4	EC	156
5	MM	66
6	CH	109
7	CS	161
8	BT	70
<b>Total:</b>		<b>948</b>

**PhD****Total PhD graduands: 142****Exit Degrees:**

S. No	Exit Degree	Total number of graduands	Remarks
1	BSc	06	Exit option for Integrated MSc after three years of study.
2	Diploma in Civil Engineering	01	Exit option based on Senate/BoG Decision.
3	Post Graduate Diploma	02	Exit option for MTech after 1 year.
<b>Total</b>		<b>09</b>	

**Post-Graduate:**

S. No	Department	Degree	Specialization	No. of graduands	Grand Total
1	CE	M.Tech	Engineering Structure	26	181
2			Geo-Technical Engineering	28	
3			Transportation Engineering	28	
4			Water Resources Engineering	18	
5			Remote Sensing & GIS	14	
6			Environmental Engineering	27	
7			Construction Technology & Management	31	
8			Waste Management	08	
9	EE	M.Tech	Power Electronics and Drives	28	82
10			Power Systems Engineering	31	
11			Smart Electric Grid	23	
12	ME	M.Tech	Thermal Engineering	20	107
13			Manufacturing Engineering	18	
14			Computer Integrated Manufacturing	18	
15			Machine Design	17	

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16			Automobile Engineering	16	
17			Materials & Systems Engineering Design	10	
18			Additive Manufacturing	08	
19			Electronic Instrumentation& E.S	26	
20	EC	M.Tech	VLSI System Design	24	79
21			Advanced Communication Systems	29	
22	MM	M.Tech	Industrial Metallurgy	04	09
23			Materials Technology	05	
24			Chemical Engineering	08	
25	CH	M.Tech	Systems and Control Engineering	06	15
26			Process Control	01	
27			Computer Science & Engineering	25	
28	CS	M.Tech	Computer Science & Information Securing	21	46
29		MCA	Master of Computer Applications	55	55
30	BT	M.Tech	Bio-Technology	20	20
31			Applied Mathematics	27	
32	MA	MSc	Mathematics & Scientific Computing	30	57
33			Engineering Physics (Electronics)	24	
34	PH	MSc (Tech.)	Engineering Physics (Photonics)	25	49
35	CY	MSc	Chemistry	48	48
36	SM	MBA	Master of Business Administration	22	22
<b>Total</b>				<b>770</b>	

**The Senate noted the information. The Board of Governors in its 69<sup>th</sup> meeting approved the award of PhD degrees to the scholars who completed their defence on or before 15<sup>th</sup> November 2024.**

2024-138-Senate-07	Senate Protocol
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Prof. Venkaiah Chowdary has been requested to prepare the Senate Protocol document by the Chairman, Senate.

**The Senate suggested to appoint a committee with the following members to review the draft Senate Protocol.**

**Prof. Venkaiah Chowdary (CE)**

**Prof. DVSS Siva Sarma (EE)**

**Prof. D. Kasinath (CY)**

**The committee is expected to refer other IITs and NITs and also take inputs from the Senators for preparation of the protocol for the Senate meetings. The document may not include the composition of the Senate. The Committee may consolidate the comments/suggestions received from the Senators and present the Senate Protocol to the next Senate.**

A Senate Sub-Committee under the Chairmanship of Prof. PV Suresh, CH, was requested to suggest the modalities for processing the results at the end of every semester for devising a faster and efficient approach. The recommendations of the Sub-Committee are given below:

### **Recommendations of Results Processing Committee**

The committee, proposed the guidelines for the processing and publication of semester-end results, reviewed current practices at several institutions, including IIT Madras, IIT Delhi, IIT Hyderabad, IIT Guwahati, and NIT Karnataka, etc. After thorough discussion and deliberation, the committee proposed the following recommendations.

#### **1. Processing of Results**

The committee suggests the following sequence based on the observed practices in other institutions:

1. Grading by following the established grading regulations of the Institute.
2. The Departmental Academic Committees (DACs) – UG (for UG courses) / PG&R (for PG courses) to review the grades of all the courses within the department with necessary effort to avoid incorrect grading and suggest modifications to bring right grading awarded for uniformity.
3. Grades are then submitted to the Professor I/c, Examination Section by the Head of the Department.
4. Any abnormal observations in the results of any course to be flagged by the DAC-UG / PG&R are only to be referred to the Senate, along with a comprehensive results analysis to be presented by the respective Head of the Department. A common template for presenting to the senate may be finalized.
5. Formal approval is to be sought from the Senate for publishing the results.

#### **2. Grading on SMILE**

To streamline and standardize the grading and publication process, the following recommendations are proposed for uploading the marks for different components of evaluation such as: Minor-1, Minor-2, Mid semester, Teacher evaluation and major exam, as applicable.

- **Uploading Marks in the SMILE System:** Faculty shall adhere to the following deadlines within the SMILE-ERP system:
  - Minor-1 marks: Upload within 2 weeks of completion.
  - Mid-Sem marks (for students admitted before AY: 2024-25): Enter within one week after the last Mid-Sem exam.
  - Minor-2 marks: Upload within 2 weeks of completion.
  - These deadlines should align with the academic calendar, and all entries should be visible to students for review.

- The marks allotted for attendance should be entered on or before the last working day.
- Teacher assessment marks, for 20 or 30 marks (as applicable) shall also be entered as one entry once the assessment is done or on or before the last working day.
- Head, CDIS to ensure that attendance shortage at the end of every month is to be conveyed to the student, faculty adviser and parent.

The above marks shall be made available to the students through their ERP login.

- **End-Semester Exam Marks:** End-semester marks should be entered in the SMILE system within one week of the final exam but should remain hidden from students until Senate approval.
- **Grade Range Definition:** The SMILE system should allow faculty to set grade ranges for each course. Based on these ranges, the SMILE system should automatically assign grades after all the components of evaluation and range entered.
- **Faculty Advisor Options in SMILE:** The SMILE system should offer faculty advisors the following options to:
  - Sort grade reports for each course by total marks (descending) or by roll number (ascending).
  - Generate statistical reports for each course, enabling comprehensive review by the Departmental Academic Committee.
  - Reopen the SMILE portal for faculty to edit and resubmit the grade ranges on SMILE in case of any corrections suggested by the Departmental Academic Committee.
- **Generation of SGPA and CGPA on SMILE:** The HoD shall generate the final SGPA and CGPA of all the students on SMILE once the corrections are made by all the faculty as per the suggestions by the DAC.

### Suggested Grade Ranges:

**New Regulations (AY:2024-25 onwards):** *(Every range shall be 10 marks. However, there is a flexibility to the faculty to lower the recommended Grade ranges by a maximum of 10 marks)*

Possibility of Ranges	P	D	C	B	A	S
1	40-49	50-59	60-69	70-79	80-89	90-100
2	39-48	49-58	59-68	69-78	79-88	89-100
3	38-47	48-57	58-67	68-77	78-87	88-100
4	37-46	47-56	57-66	67-76	77-86	87-100
5	36-45	46-55	56-65	66-75	76-85	86-100
6	35-44	45-54	55-64	65-74	75-84	85-100
7	34-43	44-53	54-63	64-73	74-83	84-100
8	33-42	43-52	53-62	63-72	73-82	83-100
9	32-41	42-51	52-61	62-71	72-81	82-100
10	31-40	41-50	51-60	61-70	71-80	81-100
11	30-39	40-49	50-59	60-69	70-79	80-100

**Recommended Grade Ranges**

**Existing System (applicable for Students admitted before AY: 2024-25):**

Grade	P	E	D	C	B	A	S
Range	Case-I: [ $\frac{1}{2}$ (Class Average) to 39] or Case-II: the total must be $> \frac{1}{2}$ the class average and the performance in the end exam is less than 40% (even if the total is $> 40$ )			Average shall be within this range			$>$ Average + 1.5 to 2.0 SD

***The Senate expressed satisfaction on the proposed guidelines and approved the recommendations of the Committee.***

2024-138-Senate-9	Guidelines for offering e-Masters, Certificate and Executive Programs
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In the 137<sup>th</sup> Senate, the Chairman has requested both the Committees to prepare common guidelines for offering e-Masters, Certificate and Executive programs. The report submitted by the committees has been presented to the Senate.

***The Senate in principle approved the proposed guidelines. The Chairman, Senate informed that the financial aspects such as fee structure will be referred to a separate committee.***

2024-138-Senate-10	Guidelines for Change of Supervisor
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There are no guidelines for Change of Supervisor in the present regulations. It is observed that more number of Scholars are making requests for change of supervisor, citing some irrelevant reasons. The issue is referred to RPEC for suggesting suitable guidelines.

The RPEC recommends that any request for a change of supervisor from the scholar or faculty side must be submitted within one year from the date of admission. No such request will be considered after one year of admission and the scholar has to leave the Ph.D. program in case of any such kind of request.

***The Senate observed that appropriate reasons for such a change shall be documented. The issue is referred back to RPEC for suggesting appropriate reasons under which such request can be entertained. The detailed guidelines shall be put up for discussion in the next Senate.***

2024-138-Senate-11	BSc Exit Degree
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Integrated MSc students have a provision to exit after three years with a BSc. Degree. The first three years the curriculum for all the Integrated MSc. Students is common, which includes



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courses from Maths, Physics and Chemistry. In view of this, and also based on the request of the students, it is proposed to award the Exit degree as Bachelor of Science in Mathematics, Physics and Chemistry.

**The Senate approved the proposal.**

2024-138-Senate-12	Academic Calendar for Spring Semester
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The suggested modifications to the draft Academic Calendar for all UG and PG Programs (Except for BSc. BED) have been incorporated.



## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

### SPRING SEMESTER ACADEMIC CALENDAR: 2024-25 Dec-April 25

ALL UG and PG Programs (Except ITEP)  
Classes will commence from 16<sup>th</sup> December 2024

	C/W Commences		Mid / End		Registration		Holidays
	Last Working Day		Exams		Lab ES Exams		Compensatory C/W

SUN	MON	TUE	WED	THU	FRI	SAT
Dec 8	Dec 9 Registration	Dec 10 Registration	Dec 11 Registration	Dec 12 Registration	Dec 13 Registration	Dec 14
Dec 15 (Week 01)	Dec 16 C/W Commences	Dec 17 DAC meeting Sub. Gr. to other Depts	Dec 18 DAC meeting	Dec 19	Dec 20 Subm. of Gr. to E/Sec L / D – Payment of fee with fine	Dec 21
Dec 22 (Week 02)	Dec 23	Dec 24 Add / Drop Courses	Dec 25 Christmas	Dec 26	Dec 27	Dec 28
Dec 29 (Week 03)	Dec 30	Dec 31	Jan 1	Jan 2	Jan 3	Jan 4
Jan 5 (Week 04)	Jan 6	Jan 7 1 <sup>st</sup> CRC Meeting	Jan 8	Jan 9	Jan 10	Jan 11
Jan 12 (Week 05)	Jan 13 (Extra Holiday)	Jan 14 Pongal	Jan 15	Jan 16 Senate Meeting	Jan 17	Jan 18 (Mon)
Jan 19 (Week 06)	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25
Jan 26 Republic day (Week 07)	Jan 27	Jan 28	Jan 29	Jan 30 PG Diss. Review	Jan 31 PG Diss. Review	Feb 1
Feb 2 (Week 08)	Feb 3 Mid Sem Exams	Feb 4 Mid Sem Exams	Feb 5 Mid Sem Exams	Feb 6 Mid Sem Exams	Feb 7 Mid Sem Exams	Feb 8 Mid Sem Exams
Feb 9 (Week 09)	Feb 10	Feb 11	Feb 12	Feb 13	Feb 14	Feb 15
Feb 16 (Week 10)	Feb 17 Verif. of Mid Sem Exams	Feb 18 Verif. of Mid Sem Exams	Feb 19	Feb 20	Feb 21 Inter-NIT Tournaments	Feb 22 Inter-NIT Tournaments
Feb 23 (Week 11)	Feb 24	Feb 25	Feb 26	Feb 27	Feb 28 Spring Spree	Mar 1 Spring Spree
Mar 2 (Week 12)	Mar 3	Mar 4	Mar 5	Mar 6	Mar 7 Research Scholar's Confluence	Mar 8 Student-Innovation competition
Mar 9 (Week 13)	Mar 10	Mar 11 2 <sup>nd</sup> CRC Meeting	Mar 12	Mar 13	Mar 14 Holi	Mar 15
Mar 16 (Week 14)	Mar 17	Mar 18	Mar 19	Mar 20	Mar 21	Mar 22
Mar 23 (Week 15)	Mar 24	Mar 25	Mar 26	Mar 27	Mar 28 SS compensation	Mar 29

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Mar 30 (Week 16)	Mar 31 Eid-ul-Fitar	Apr 1 Ayodhan	Apr 2	Apr 3 (FRI) Last Working Day	Apr 4 Farewell Day	Apr 5
Apr 6 (Week 17)	Apr 7 Theory ES Exam	Apr 8 Theory ES Exam	Apr 9 Theory ES Exam	Apr 10 Mahavir Jayanthi	Apr 11 Theory ES Exam	Apr 12 Theory ES Exam
Apr 13 (Week 18)	Apr 14 Ambedkar's B'day	Apr 15 Theory ES Exam	Apr 16 Theory ES Exam	Apr 17 Theory ES Exam	Apr 18 Good Friday	Apr 19
Apr 20	Apr 21	Apr 22	Apr 23	Apr 24 Verifi. of Exam Scripts	Apr 25 Verifi. of Exam Scripts	Apr 26
Apr 27	Apr 28 PhD Progress Review	Apr 29 PhD Progress Review	April 30 DAC - Sub. Gr. to other Depts	May 01 DAC meeting	May 02 Subm. of Gr. to Exam Sec	May 03
May 04	May 05 PG Disser. Evaluation	May 06 PG Disser. Evaluation Results sub-committee	May 07 PG Disser. Evaluation	May 08	May 09 Senate Meeting	May 10
May 11	May 12 Buddha Purnima	May 13 Publication of results	May 14	May 15 Reg. Summer courses	May 16 Reg. Summer courses	May 17
May 18	May 19 CW starts for Summer classes	May 20	May 21	May 22	May 23	May 24
May 25	May 26	May 27	May 28	May 29	May 30	May 31

- During the Mid-semester examination week, the First Year UG and PG students will have to write Minor Exams. There shall be no class work.

**MAJOR ACTIVITIES OF THE ACADEMIC CALENDAR  
EVEN SEMESTER OF AY: 2024-25  
UG (including Int. MSc., BSc. BEd.) and PG PROGRAMS – ALL YEARS**

S. No.	Activity	Dates
1.	Payment of Fee and online Registration	9-13, Dec 2024
2.	Commencement of Class work	16 Dec 2024
3.	Last date for Payment of fee with fine	20 Dec 2024
4.	Add/Drop Courses	24 Dec 2024
5.	1 <sup>st</sup> CRC Meeting	7 Jan 2025
6.	Senate Meeting	16 Jan 2025
7.	PG Dissertation mid review	30-31, Jan 2025
8.	Mid Semester Examinations	3-8, Feb 2025
9.	Verification of Mid Sem answer Scripts	17-18, Feb 2025
10.	Spring Spree	28/2/2025 to 1/3/2025
11.	Inter-NIT Tournament	21-23, Feb 2025
12.	Research Scholars' Confluence	7 Mar 2025
13.	Student Innovation Competition	8 Mar 2025
14.	2 <sup>nd</sup> CRC Meeting	11 Mar 2025
15.	Ayodhan (Annual Sports Day)	1 April 2025
16.	Last Working Day, Farewell day and Alumni Induction	3 April 2025
17.	End Semester Examinations	7-17, April 2025
18.	Verification of End Semester Answer Scripts by students	24-25, April 2025
19.	PhD Progress Review	28-29, April 2025

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20.	Summer vacation to Students	26/04/2025 to 13/07/2025
21.	PG Dissertation Evaluation	5-7, May 2025
22.	Senate Meeting	9 May 2025
23	Summer Vacation for Faculty	13/05/2025 to 4/07/2025
24	Publication of Results	13 May 2025
25	Registration for Summer Courses	15-16, May 2025
26	Commencement of Summer Courses	19 May 2025
27	Commencement of Autumn Semester Classwork	14 July 2025

***The Senate approved the Academic Calendar.***

**2024-138-Senate-13: Any other Item with the permission of the Chair**

- a) The Head, Physics proposed for the inclusion of a set of Professional Elective courses offered by NPTEL in the Integrated MSc program (5-year duration) curriculum.

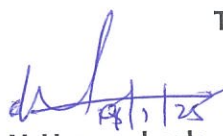
The inclusion of these electives were requested by Integrated MSc students and recommended by DAC (PG & R) members.

***The Senate did not approve the proposal in view of losing the benefits of in person teaching experiences.***


- b) The B.Tech students who are deputed by CCPD/Department for semester internship in the 8<sup>th</sup> semester are required to carry out a Project work for 4 credits. For students carrying out internship in a non-core industry, it is proposed to allow the students to take extra electives offered either by the Department or through NPTEL for 4 credits, as recommended by the Department.

***The Senate approved the proposal.***

The meeting ended with thanks to the Chair.

  
Prof. N. V. Umamahesh  
Registrar (I/c) & Secretary

  
Prof. Bidyadhar Subudhi  
Director & Chairman

  
Prof. A. Sarath Babu  
Dean, Academic