

राष्ट्रीय प्रौद्योगिकी संस्थान वरंगल  
तेलंगाना

**NATIONAL INSTITUTE OF TECHNOLOGY  
WARANGAL  
TELANGANA**



**Minutes of  
127<sup>th</sup> meeting of Senate  
26<sup>th</sup> September 2023 at 16:00 hrs.**



## Minutes of 127<sup>th</sup> Meeting of the Senate held on 26<sup>th</sup> September 2023

### Chairman

**Prof. Bidyadhar Subudhi**

Director, NIT Warangal

### Secretary

**Prof. C.S.R.K. Prasad**

Registrar (I/c), NIT Warangal

### Members:

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1 Prof. A. Benerji Babu            | 37 Prof. M. Sailaja Kumari       |
| 2 Prof. A. Sarath Babu             | 38 Prof. Mahesh Kumar Talari     |
| 3 Prof. A. Venu Gopal              | 39 Prof. N. Bheema Rao           |
| 4 Prof. Adepu Kumar                | 40 Prof. N. Kishore Babu         |
| 5 Prof. Amit Prashant, External    | 41 Prof. N. Narasaiah            |
| 6 Prof. B. Lakshmi                 | 42 Prof. N. Selvaraj             |
| 7 Prof. B. Satish Ben              | 43 Prof. N.V. Umamahesh          |
| 8 Prof. B. Sri Padmavati, External | 44 Prof. P. Abdul Azeem          |
| 9 Prof. B.L. Narasimha Raju        | 45 Prof. P. Bangaru Babu         |
| 10 Prof. C. Vanitha                | 46 Prof. P. Hari Krishna         |
| 11 Prof. C.S.R.K. Prasad           | 47 Prof. P. Ramlal               |
| 12 Prof. Ch. Sudhakar              | 48 Prof. P. Ratish Kumar         |
| 13 Prof. Ch. Venkaiah              | 49 Prof. P. Ravi Kumar           |
| 14 Prof. D. Dinakar                | 50 Prof. P. Sreehari Rao         |
| 15 Prof. D. Kasinath               | 51 Prof. P. Sreenivasa Rao       |
| 16 Prof. D. Srinivasacharya        | 52 Prof. P. Subhash Chandra Bose |
| 17 Prof. D. Vakula                 | 53 Prof. P. Venkata Sri Laxmi    |
| 18 Prof. D.V.S.S. Siva Sarma       | 54 Prof. P.V. Suresh             |
| 19 Prof. Debashis Dutta            | 55 Prof. Pisipati Radha Krishna  |
| 20 Prof. Divi Haranath             | 56 Prof. Prakash Saudagar        |
| 21 Prof. G. Amba Prasada Rao       | 57 Prof. Puli Ravi Kumar         |
| 22 Prof. G. Naga Srinivasulu       | 58 Prof. R. Dayanidhi            |
| 23 Prof. G.V.S. Nageswara Rao      | 59 Prof. R. Narasimha Rao        |
| 24 Prof. Hari Ponnamma Rani        | 60 Prof. R. Padmavathy           |
| 25 Prof. J.V. Ramana Murthy        | 61 Prof. R. Satish Babu          |
| 26 Prof. K. Kiran Kumar            | 62 Prof. R.B.V. Subrahmanyam     |
| 27 Prof. K. Madhavi                | 63 Prof. Rashmi Ranjan Rout      |
| 28 Prof. K. Madhu Murthy           | 64 Prof. Ravi Kumar Jatoth       |
| 29 Prof. K. Narasimhulu            | 65 Prof. S. Anuradha             |
| 30 Prof. K. Thangaraju             | 66 Prof. S. Srinivasa Rao (EE)   |
| 31 Prof. K. Venkata Reddy          | 67 Prof. Sonawane Shirish Hari   |
| 32 Prof. K.N.S. Kasiviswanadham    | 68 Prof. Sourabh Roy             |
| 33 Prof. K.V. Sai Srinadh          | 69 Prof. Srikanth Korla          |
| 34 Prof. L. Anjaneyulu             | 70 Prof. T. Kishore Kumar        |
| 35 Prof. L. Krishnanand            | 71 Prof. T. Venkatappa Rao       |
| 36 Prof. M. Heeralal               | 72 Prof. T.D. Gunneswara Rao     |



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|----|----------------------------|----|-------------------------|
| 73 | Prof. V. Hari Kumar        | 79 | Prof. V.T. Somasekhar   |
| 74 | Prof. V. Rajesh Khana Raju | 80 | Prof. Velagapudi Vasu   |
| 75 | Prof. V. Ramana Murthy     | 81 | Prof. Venkaiah Chowdary |
| 76 | Prof. V. Suresh Babu       | 82 | Prof. Y. Ravi Kumar     |
| 77 | Prof. V.P. Chandra Mohan   | 83 | Prof. Y.N. Reddy        |
| 78 | Prof. V. Rama Devi         |    |                         |

**Special Invitees:**

- (1) Prof. S. Vidya Sagar, Associate Dean, UG
- (2) Prof. Karthik Balasubramanian, Chairperson, Accreditation Committee

**The following members could not attend the meeting:**

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|----|--------------------------------|----|-----------------------------|
| 1  | Prof. A. Veeresh Babu          | 15 | Prof. P. Anand Raj          |
| 2  | Prof. A. Venu Vinod            | 16 | Prof. P. Madhusudhana Reddy |
| 3  | Prof. Ashok Kumar Pradhan, Ext | 17 | Prof. P. Syam Prasad        |
| 4  | Prof. Asit Kumar Khanra        | 18 | Prof. P. Vamsi Krishna      |
| 5  | Prof. Bhagwan K. Murthy        | 19 | Prof. S. Srinath            |
| 6  | Prof. C.S.P. Rao               | 20 | Prof. S. Srinivasa Rao (ME) |
| 7  | Prof. D. Jayakrishna           | 21 | Prof. S.G. Sanjeevi         |
| 8  | Prof. D. Ramaseshu             | 22 | Prof. T.V.K. Hanumantha Rao |
| 9  | Prof. K. Anand Kishore         | 23 | Prof. V. Venkata Mani       |
| 10 | Prof. K. Ramesh                | 24 | Prof. Vishnu Shanker        |
| 11 | Prof. K.V. Gobi                | 25 | Prof. Venkatathri Narayanan |
| 12 | Prof. M. Joseph Davidson       |    |                             |
| 13 | Prof. N. Viswanathan           |    |                             |
| 14 | Prof. N.V. Srikanth            |    |                             |

Leave of absence was approved for all members absent.

The Chairman, Senate informed that Prof. Ashok Kumar Pradhan, Dept. of Electrical Engineering, IIT Kharagpur, Prof. Amit Prashant, Dept. of Civil Engineering, IIT Gandhinagar and Prof. B. Sri Padmavati, Department of Mathematics, University of Hyderabad have been nominated to act as External Senate members. The Chairman and Senators welcomed all the three external members.

The Chairman Senate and the Senators placed on record the services rendered by Prof. B.B. Amberkar, Professor of Computer Science and Engineering, who superannuated in August 2023.

The Chairman, Senate appointed the following three committees in place of Academic Standing Committee.

**Research Progress Evaluation Committee (RPEC)**

1. Prof. N.V. Umamahesh, CE (Chairman)
2. Prof. J. V. Ramana Murthy, MA
3. Prof. M. Sailaja Kumari, EE
4. Prof. Shirish H Sonawane, CH
5. Prof. D. Jayakrishna, ME
6. Prof. V.V. Mani, EC
7. Prof. V. Ramadevi, SM



8. Prof. VRK Raju, ME, Assoc. Dean (PhD) (Convener)

**Senate Postgraduate Committee (SPGC)**

1. Prof. K. Madhu Murthy, ME (Chairman)
2. Prof. G.V.S. Nageswara Rao, MM
3. Prof. Ch. Venkaiah, EE
4. Prof. S. Shankar, CE
5. Prof. B. Srinivas, CY
6. Prof. Raja Viswanathan, HS
7. Prof. T. Thanga Raju, PY, Assoc. Dean (PG) (Convener)

**Senate Undergraduate Committee (SUGC)**

1. Prof. P. Bangaru Babu, ME (Chairman)
2. Prof. P. Radhakrishna, CS
3. Prof. P. Srinivasa Rao, BT
4. Prof. Karthik Balasubramanian, ME
5. Prof. J. Pranitha, MA
6. Prof. B. Spoorthi, HS
7. Prof. S. Vidyasagar, CH, Assoc. Dean (UG) (Convener)

<b>2023-127-Senate-01</b>	<b>Chairman, Senate has nominated student representatives to the Senate</b>
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*The Senate ratified the nomination of the following student members:*

*Mr. Manjima Karmakar (B.Tech VII Semester); Ms. Sanika Nikhil Kanere (B.Tech V Semester); Mr. YVS Charan Sai (B.Tech III Semester); Mr. Pathak Krutarth Manojkumar (M.Tech III Semester); Mr. Sunit Chakraborty (MSc III Semester, CY); Mr. Rayappa David Amar Raj (PhD)*

<b>2023-127-Senate-02</b>	<b>To consider the representation of students to conduct Makeup examinations in December, 2023.</b>
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Several students and their parents (especially those who were supposed to graduate in 2023) have been appealing to the institute to conduct makeup exams in December, 2023, so that they will be able to complete the academic program in time. Similarly, the present students of the II, III and IV year as well as those students who could not be promoted are also requesting that makeup examinations may be conducted in December, 2023.

*The Senate did not consider the proposal of conducting makeup exam in December 2023.*

<b>2023-127-Senate-03</b>	<b>Proposal for Academic Probation</b>
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It is proposed to replace “year back” with Academic Probation. The students with back papers will continue with semester registration in under-loading / slow pace mode subject to the consideration that the total credit registration including the back papers should not exceed the allowable credits of a semester.

*The Senate in principle agreed with the proposal to consider Academic probation in place of year back. The Senate advised SUGC to come up with a detailed proposal for its implementation. However, this will be implemented from the next semester to avoid issues of attendance at this point of time as the classes started in July 2023.*



<b>2023-127-Senate-04</b>	<b>Consideration of 2% attendance relaxation to female students</b>
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Recommendation from Ministry of Education: "For female students, relaxation of 2% attendance in mandatory attendance for appearing in examinations by respective Examinations Boards/Universities can also be explored".

*The Senate considers the Ministry of Education guidelines in principle to implement 2% attendance relaxation to female students from this AY in addition to the existing relaxations for female students.*

<b>2023-127-Senate-05</b>	<b>To confirm the minutes of the 126th Senate meeting</b>
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The minutes of the 126th Meeting of the Senate were placed before the Senate after incorporating the comments received from members.

*The Senate approved the minutes of 126th Senate meeting.*

<b>2023-127-Senate-06</b>	<b>Appointment of Adjunct Professor and Professor of Practice</b>
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The following Adjunct Professors and Professor of Practice have been appointed as per the guidelines provided by MHRD (No. 21-81/2014-TSII dated 16-02-2016).

**Adjunct Professors:**

1. Prof. Akshay Kumar Rathore [Professor, Singapore Institute of Technology, Singapore], EE
2. Prof. NDR Sarma [Founder and CEO, NDRS SEMS Consultancy, LLC, EE
3. Prof. BHVS Narayana Murthy [Former Distinguished Scientist & Director General (Missile & Strategic Systems)], EC
4. Prof. G. Madhusudhan Reddy [former Director DMRL Hyderabad], MM
5. Dr. Tata Narsing Rao [Director, ARCI Hyderabad], CH
6. Prof. Sarma V. Pisupati [Co-Director, Penn State University], CH
7. Prof. Ajay K Dalai [Professor, University of Saskatchewan], CH
8. Dr. V. C.V. Rao [Full-time consultant, C-DAC], CS

**Professor of Practice**

1. Dr. Ulaganathan, [ABB Corporate Research, Bangalore], CH

*The Senate noted the above appointments.*

<b>2023-127-Senate-07</b>	<b>Undergraduate Studies</b>
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- a) Chairman, Senate has approved the proposal of permitting all the students having backlog in induction program at the end of II semester to register for III Semester by performing community service for 30 hours in III semester under the guidance of Dean (Student Welfare).
- b) Chairman, Senate has approved the proposal of Dean (Academic) to swap the English for Technical Communication course offered by Department of HS in order to maintain equal load in 1<sup>st</sup> and 2<sup>nd</sup> Semesters of B.Tech program.
- c) Academic Calendars for 1<sup>st</sup> Semester B.Tech, I MSc (Int.), I M.Tech, I MSc, and I MCA



*The Senate ratified the above decisions.*

<b>2023-127-Senate-08</b>	<b>Post Graduate/PhD Studies</b>
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a) Spot Round of Admissions for M.Tech programs:

The Spot round of Admissions at the Institute level was organized on 08-09-2023. Nineteen students with GATE and 26 students without GATE (Under Self-financing) Category were given admissions in the Spot round. In each category 3 students did not report. Out of the 23 students admitted under self-financing category, 9 students were admitted against vacancies under GATE category. The details of students admitted are presented to the Senate.

*The Senate approved the admissions given in the Institute Spot round and recommend the same to Board of Governors for ratification.*

b) Chairman, Senate has given extension of 6 months beyond the maximum applicable period of 8 years to the following research scholars:(i) Ms. Bhavita Chowdary (Roll No. 715004) (ii) Mr. Rangilal Bhukya (Roll No. 715041)

*The Senate ratified the above decision.*

<b>2023-127-Senate-09</b>	<b>Results of PhD Examinations</b>
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PhD Result		
1	<b>Chintakindi Balaram Murthy</b>	
	Department	EC
	Roll No.	718143
	Date of Viva-voce Examination	17.07.2023
	Foreign Examiner	Dr. Karthik Dantu, University at Buffalo, NY, USA
	Indian Examiner	Dr. Prabir Kumar Biswas, IIT Kharagpur
	Supervisor(s)	Dr. Mohd. Farukh Hashmi
Thesis Title	Design and Development of Embedded Vision Based Object Detectors for Autonomous Driving Application	
2	<b>Banoth Thulasya Naik</b>	
	Department	EC
	Roll No.	701936
	Date of Viva-voce Examination	17.07.2023
	Foreign Examiner	Dr. Norisma, Idris Universiti Malaya, Kuala Lumpur, Malaysia
	Indian Examiner	Prof. Vivek Kanhangad, IIT, Indore
	Supervisor(s)	Dr. Mohd. Farukh Hashmi
Thesis Title	Some Investigations on Deep Learning Based Techniques for Accurate Ball/Player Detection and Tracking In Soccer and Basketball Sports	
3	<b>Pasupuleti Manoj</b>	
	Department	EE
	Roll No.	718019
	Date of Viva-voce Examination	17.07.2023
	Foreign Examiner	Prof Akshay Kumar Rathore, Singapore Institute of Technology, Singapore
	Indian Examiner	Dr. Amod C Umarikar, IIT, Indore
	Supervisor(s)	Prof. V.T. Somasekhar
Thesis Title	Investigations on Quasi-Z-Source based Multilevel Inverters for Grid- Tied Photovoltaic Systems	
4	<b>G. Prabhu</b>	
	Department	MM



	Roll No.	717139
	Date of Viva-voce Examination	18.07.2023
	Foreign Examiner	Prof. I.P. Jones University of Birmingham
	Indian Examiner	Prof. Satyam Suwas, IISc, Bengaluru
	Supervisor(s)	Dr. R. Arockia Kumar, Dr. T.K. Nandy
	Thesis Title	Structure-property correlation in tungsten heavy alloy with two-phase matrix
5	<b>Dondapati Suneel Varma</b>	
	Department	EC
	Roll No.	701933
	Date of Viva-voce Examination	19.07.2023
	Foreign Examiner	Prof. Zbynek Raida Brno University of Technology, Brno, Czech Republic
	Indian Examiner	Prof. Raghunath K Shevgaonkar, IIT, Bombay
	Supervisor(s)	Dr. Gopi Ram
Thesis Title	Design of time-modulated linear antenna array with optimal harmonic power radiation for WIPT and DoA Estimation	
6	<b>T Arjun Kumar</b>	
	Department	CE
	Roll No.	714003
	Date of Viva-voce Examination	20.07.2023
	Foreign Examiner	Prof. Pahirangan Sivapatham, University of Wuppertal, Germany
	Indian Examiner	Dr. Mahabir Panda, NIT, Rourkela
	Supervisor(s)	Dr. Venkaiah Chowdary
Thesis Title	Influence of Chemical Warm Mix Additive on the Performance of Bituminous Binders and Bituminous Mixtures Containing Waste Plastic Coated Coarse Aggregates	
7	<b>R. Srinivasan</b>	
	Department	EC
	Roll No.	715049
	Date of Viva-voce Examination	21.07.2023
	Foreign Examiner	Prof. Bhaskar Choubey Universitat Siegen,
	Indian Examiner	Dr. Kailash Chandra Ray, IIT Patna
	Supervisor(s)	Dr. B. Lakshmi, Dr Tessa Thomas
Thesis Title	An Architecture for On-Board Frequency Domain Analysis of Flight Vehicle Vibration	
8	<b>Mothe Sagarika</b>	
	Department	CE
	Roll No.	717105
	Date of Viva-voce Examination	21.07.2023
	Foreign Examiner	Dr. Jaan Pu, University of Bradford
	Indian Examiner	Dr. Harsha Kota, IIT Delhi
	Supervisor(s)	Dr. P. Venkateswara Rao
Thesis Title	Investigation on Anaerobic Co- digestion and Pre-treatment of Rice straw for reducing Greenhouse gas emissions	
9	<b>Ippili Kartikeya Sarma</b>	
	Department	ME
	Roll No.	719046
	Date of Viva-voce Examination	27.07.2023
	Foreign Examiner	Prof. S Kumar University of Glasgow, Glasgow, UK
	Indian Examiner	Prof. Ram Kumar, IIT Kanpur
	Supervisor(s)	Prof. N. Selvaraj & Prof A. Kumar
Thesis Title	Effect of process, design parameters and post processing on the Laser powder bed fusion 17-4 PH Stainless Steel	
10	<b>Surendra Mohan Shrivastava</b>	



	Department	ME
	Roll No.	716020
	Date of Viva-voce Examination	31.07.2023
	Foreign Examiner	Prof. Nikhil Gupta, New York University, Brooklyn, NY
	Indian Examiner	Dr. Akhilendra Singh, MED, IIT Patna
	Supervisor(s)	Prof. N. Selvaraj & Dr. M.K. Burgohain
	Thesis Title	Degradation of Properties of Eglass/Epoxy Composite under Hostile Environment
11	<b>G.T.L. Priyanka</b>	
	Department	CE
	Roll No.	714169
	Date of Viva-voce Examination	31.07.2023
	Foreign Examiner	Prof. A.M.Rajaendran, University of Mississippi, MS USA
	Indian Examiner	Dr. Vijayabaskar Narayanamurthy Research Center Imarat, Hyderabad
	Supervisor(s)	Dr. TP Tezeswi
Thesis Title	Mechanical Characterization of 3D Printed lylactic Acid (PLA)	
12	<b>Thunuguntla Vinod Kumar</b>	
	Department	EE
	Roll No.	718127
	Date of Viva-voce Examination	17.08.2023
	Foreign Examiner	Prof. Ali M.Eltamaly King Saud University College of Engineering
	Indian Examiner	Prof. Suryanarayana Doolla IIT, Bombay
	Supervisor(s)	Dr. I. Satish Kumar
Thesis Title	Investigations on optimal planning of Distributed Generators in distribution system considering uncertainties using multi-objective optimization approaches	
13	<b>Ampavathina Sowjanya</b>	
	Department	EC
	Roll No.	717131
	Date of Viva-voce Examination	18.08.2023
	Foreign Examiner	Dr. Sudhakar Rao Northrop Grumman Space Systems Verdes, CA USA
	Indian Examiner	Prof. Mahanty NIT, Durgapur
	Supervisor(s)	Prof. D. Vakula
Thesis Title	Investigations on Metamaterial and Fractal based Microstrip Filters	
14	<b>A. Ramana Reddy</b>	
	Department	ME
	Roll No.	717019
	Date of Viva-voce Examination	21.08.2023
	Foreign Examiner	Prof. J. Paulo, Davim University of Aveiro, Aveiro,Portugal
	Indian Examiner	Dr. Mihir Sarangi, IIT, Kharagpur - 721 302
	Supervisor(s)	Dr. Syed Ismail
Thesis Title	Tribological Performance of Single and Multi-scale Textured Sliding Contacts under Lubricated Conditions	
15	<b>Vividha Kondba Landge</b>	
	Department	CH
	Roll No.	718154
	Date of Viva-voce Examination	25.08.2023
Foreign Examiner	Prof. Le Minh, Hanoi University of Science and Technology Hanoi, Vietnam	





	Indian Examiner	Prof. Vimal Chandra Srivastava, Indian Institute of Technology, Roorkee
	Supervisor(s)	Dr. Shirish H Sonawane Dr. G. Uday Bhaskar Babu
	Thesis Title	Development of Heterogeneous Nanocatalysts for Oxidation, Reduction and Photo- Degradation Reactions
16	<b>Chinna Karasala</b>	
	Department	EE
	Roll No.	717116
	Date of Viva-voce Examination	25.08.2023
	Foreign Examiner	Prof. Kashem Muttaqi Wollongong, New South Wales- Australia
	Indian Examiner	Dr. Chandan Kumar, IIT, Guwahati
	Supervisor(s)	Dr. G. Siva Kumar
Thesis Title	Control of multifunctional PV grid connected inverter with reduced switching losses and common mode voltage reduction	
17	<b>M. Kameswara Reddy</b>	
	Department	ME
	Roll No.	714126
	Date of Viva-voce Examination	25.08.2023
	Foreign Examiner	Prof. Raghu Echempati Kettering University, Flint, MI, USA
	Indian Examiner	Dr. Ramakrishna V, Scientist - F, NSTL NSTL, DRDO, Vishakapatnam
	Supervisor(s)	Prof. V. Suresh Babu
Thesis Title	Mechanical and Tribological behaviour of Tungsten carbide nanoparticles filled Carbon- Epoxy polymer hybrid Nanocomposites	
18	<b>Patri Upender</b>	
	Department	EC
	Roll No.	721063
	Date of Viva-voce Examination	25.08.2023
	Foreign Examiner	Dr. Ing Habil Ajay Kumar Poddar, Synergy Microwave, USA
	Indian Examiner	Dr. Gaurav Mittal, Defence Electronics Application Laboratory (DEAL), Dehradun
	Supervisor(s)	Dr. Amarjit Kumar
Thesis Title	Investigations on Circularly Polarized Dielectric Resonator Antennas and THz Absorbers	
19	<b>Kallepelli Sagar</b>	
	Department	EC
	Roll No.	718142
	Date of Viva-voce Examination	25.08.2023
	Foreign Examiner	Prof. Subhasish Mitra Stanford University, Stanford, CA, USA
	Indian Examiner	Dr. Gaurav Trivedi, Indian Institute of Technology, Guwahati
	Supervisor(s)	Dr. Maheshwaram Satish
Thesis Title	Design and Circuit Performance Analysis of Enclosed Circular Double Gate MOSFETS	
20	<b>Kamepalli Anjaneyulu</b>	
	Department	ME
	Roll No.	718028
	Date of Viva-voce Examination	28.08.2023
Foreign Examiner	Dr. Pankaj Koinkar, Tokushima University Tokushima, Japan	



	Indian Examiner	Dr. D Chakradhar, IIT Palakkad
	Supervisor(s)	Dr. G. Venkatesh
	Thesis Title	Numerical and Experimental Investigations of Ultrasonic Assisted Magnetic Abrasive Finishing process on Hastelloy C- 276
21	<b>Rambabu Kusuma</b>	
	Department	EC
	Roll No.	718044
	Date of Viva-voce Examination	29.08.2023
	Foreign Examiner	Prof. N. Moorthy Muthukrishnan, Asheville Engineering NC 28804, USA
	Indian Examiner	Dr. Asutosh Kar NIT, Jalandhar
	Supervisor(s)	Prof. TVK Hanumantha Rao
	Thesis Title	Design and Analysis of Dual Material Gate Junctionless FinFET for Analog IC Applications
22	<b>Nelaturi V Raghavaiah</b>	
	Department	ME
	Roll No.	719059
	Date of Viva-voce Examination	30.08.2023
	Foreign Examiner	Prof. Bale V Reddy, University of Ontario Institute of Technology, Canada
	Indian Examiner	Dr. Giridhar Kumar Dhinne, Siemens Energy Industrial Turbomachinery India Pvt Ltd., Pune-411013
	Supervisor(s)	Prof. G. Naga Srinivasulu
Thesis Title	Experimental Investigations on Performance of Passive Direct Methanol Fuel Cell with Different Current Collector Materials Using Tapered Cylindrical Openings, Employing Variable Dynamic Regions, And Identification of Service-Oriented Degradation	
23	<b>Ravi Bolimera</b>	
	Department	EC
	Roll No.	715052
	Date of Viva-voce Examination	01.09.2023
	Foreign Examiner	Dr. Ascension Gallardo Antolin Madrid Avda. de la Universidad, Madrid, Spain
	Indian Examiner	Prof. Sudeb Dasgupta, Dept of ECE, IIT, Roorkee-247667
	Supervisor(s)	Prof. T. Kishore Kumar
Thesis Title	Investigations on different Deep Learning Architectures for Telugu language Text-To-Speech Synthesis System	
24	<b>Nitesh</b>	
	Department	CY
	Roll No.	719118
	Date of Viva-voce Examination	05.09.2023
	Foreign Examiner	Prof. Vijay Kumar Thakur University of Edinburgh, UK
	Indian Examiner	Dr. C. Shivakumara, Solid State Structural Chemistry Unit, IISc Bangalore 560 012
	Supervisor(s)	Prof. Srilakshmi V Patri
Thesis Title	Surfactant Mediated and Green Approach to Fabricate Nano ZnO and Doped System for Industrial Applications	
25	<b>Vijaya Kumar Munagala</b>	
	Department	EC
	Roll No.	719071
	Date of Viva-voce Examination	01.09.2023
	Foreign Examiner	Prof. Basil Al Hadithi, Polytechnic University of Madrid, Madrid, Spain
Indian Examiner	Prof. Srirama Srinivas, IIT Madras, Chennai	



	Supervisor(s)	Prof. J. Ravi Kumar
	Thesis Title	Design of Intelligent FOPID/PID controllers Using Meta-heuristics and NARXnets
26	<b>Siju Mishra</b>	
	Department	PH
	Roll No.	719105
	Date of Viva-voce Examination	31.08.2023
	Foreign Examiner	Prof. Ravindra Pandey Michigan, Technological University Michigan, USA
	Indian Examiner	Prof. G Vijaya Prakash IIT, Delhi - 110 016
	Supervisor(s)	Prof. D. Haranath Dr. R Rakesh Kumar
	Thesis Title	Design and Development of Zinc Sulfide-based Nanogenerators: A Step Towards Green Energy Harvesting
27	<b>Berhanu Deggefa Lemma</b>	
	Department	EE
	Roll No.	719127
	Date of Viva-voce Examination	06.09.2023
	Foreign Examiner	Prof. Kelum Gamage, University of Glasgow, UK
	Indian Examiner	Prof. K. Siva Kumar IIT, Hyderabad, Kandi, Sangareddy
	Supervisor(s)	Dr. Srinivasan Pradabane
	Thesis Title	Investigation on Control Techniques for Permanent Magnet Synchronous Motor Drive
28	<b>Prantik Dutta</b>	
	Department	EC
	Roll No.	701932
	Date of Viva-voce Examination	07.09.2023
	Foreign Examiner	Dr. Guoan Wang, Columbia, USA
	Indian Examiner	Prof. D.Sriram Kumar, NIT Tiruchirappalli
	Supervisor(s)	Dr. G. Arun Kumar
	Thesis Title	Some studies on the design of reciprocal and time-modulated non reciprocal filters for 5G applications
29	<b>Parvathy M.L.</b>	
	Department	EE
	Roll No.	719039
	Date of Viva-voce Examination	11.09.2023
	Foreign Examiner	G.G. Pillai, Teesside University, UK
	Indian Examiner	Dr. Kamalesh Hatua, IIT-Madras
	Supervisor(s)	Dr. T. Vinay Kumar
	Thesis Title	Effective Model Predictive Current Control Schemes for Permanent Magnet Synchronous Motor Drive
30	<b>Bella K</b>	
	Department	CE
	Roll No.	719022
	Date of Viva-voce Examination	13.09.2023
	Foreign Examiner	Dr. Upaka Rathnayake, Atlantic Technological University Sligo, Ireland
	Indian Examiner	Prof. Puspendu Bhunia, School of Infrastructure IIT-Bhubaneshwar
	Supervisor(s)	Dr. P. Venkateswara Rao
	Thesis Title	Investigation on Anaerobic Digestion of Cheese Whey for Enhanced Methane Generation
31	<b>Sneha Korpe</b>	
	Department	CE
	Roll No.	718007



	Date of Viva-voce Examination	14.09.2023
	Foreign Examiner	Prof. Subba Rao, Chaganti University of Windsor, Ontario Canada
	Indian Examiner	Dr. Venkata Mohan S, CSIR-Indian Institute of Chemical Technology Hyderabad, Talangana
	Supervisor(s)	Dr. P. Venkateswara Rao
	Thesis Title	Performance Evaluation of Hybrid Technologies for Treating Tannery Wastewater
32	<b>VRK Reddy Patamsetti</b>	
	Department	CE
	Roll No.	719007
	Date of Viva-voce Examination	14.09.2023
	Foreign Examiner	Dr. Ing. Vlastimil Bilek, University of Ostrava, 708 00, Ostrava-Poruba, Czech Republic
	Indian Examiner	Prof. G. Appa Rao, IIT, Madras, Chennai
	Supervisor(s)	Dr. D. Ravi Prasad
Thesis Title	A Study on Mechanical, Durability and Microstructural Properties of Graphene Oxide Reinforced Concrete Composite	
33	<b>Mohd Momina Shanwaz</b>	
	Department	BT
	Roll No.	719091
	Date of Viva-voce Examination	14.09.2023
	Foreign Examiner	Prof. Pankaj Kumar University of Virginia, Charlottesville, VA22908
	Indian Examiner	Prof. Prashant Kodgire, IIT Indore, Khandwa Road, Simrol Indore - Madhya Pradesh
	Supervisor(s)	Dr. Perugu Shyam
Thesis Title	Invitro and Insilico analysis of purified biologically active compound from the plant Vitex negundo	
34	<b>Diksha Pandey</b>	
	Department	BT
	Roll No.	717156
	Date of Viva-voce Examination	22.09.2023
	Foreign Examiner	Prof. Shoba Ranganathan, Macquarie University, Australia
	Indian Examiner	Prof. R. Balasubramanian, IIT, Roorkee
	Supervisor(s)	
Thesis Title	Insights into Next Generation RNA- seq. data through Meta-analysis and Deep Learning approaches	
35	<b>Papisetti Venkatesham</b>	
	Department	CY
	Roll No.	718077
	Date of Viva-voce Examination	22.09.2023
	Foreign Examiner	Prof. Hephzibah J Kumpaty, University of Wisconsin-White water, USA
	Indian Examiner	Prof. Baskaran S, Department of Chemistry IIT, Madras, Chennai- 600 036
	Supervisor(s)	
Thesis Title	Synthesis and Biological Activity Studies Of New Heterocyclic Compounds Using Multicomponent Strategies	

*The Senate approved the above results.*



<b>2023-127-Senate-10</b>	<b>Guidelines for the award of Best UG Project/Best PG Dissertation and Best PhD Thesis at the Institute level</b>
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The Senate nominated the following senators to prepare a proposal on thesis guidelines for evaluation of best thesis under three categories namely UG, PG and PhD: B.Tech – Prof. N. Narasaiah (MM); M.Tech – Prof. Ch. Venkaiah (EE); Ph.D. – Prof. P. Bangaru Babu (ME).

*The Senate appointed the following committees to submit guidelines for selection of awardees in the next Senate meeting.*

**Committee for the award of best PhD Thesis:**

1. Prof. P. Bangaru Babu (Chairman)
2. Prof. GVS Nageswara Rao, MM
3. Prof. A. Kumar, ME
4. Prof. L. Anjaneyulu, EC
5. Prof. V. Rama Devi, SM
6. Prof. Debashis Dutta, MA

**Committee for the award of best M.Tech Dissertation:**

1. Prof. Ch. Venkaiah (Chairman)
2. Prof. P. Ramlal, SM
3. Prof. Y. Ravi Kumar, ME
4. Prof. B. Lakshmi, EC
5. Prof. C. Vanitha, MM
6. Prof. Vishnu Shankar, CY

**Committee for the award of best B.Tech Project:**

1. Prof. N. Narasaiah (Chairman)
2. Prof. J. Ravikumar, EC
3. Prof. T. Mahesh Kumar, MM
4. Prof. P. Harikrishna, CE
5. Prof. V.P. Chandra Mohan, ME
6. Prof. H.P. Rani, MA

<b>2023-127-Senate-11</b>	<b>Starting of a new B.Tech Program in Artificial Intelligence and Data Science by Department of Computer Science &amp; Engineering from the AY 2024-25</b>
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The Department of CS has submitted a proposal (Annexure- 2) to start a new B.Tech program in Artificial Intelligence and Data Science with intake of 60 from the AY 2024-25.

*The proposal is approved by the Senate.*

<b>2023-127-Senate-12</b>	<b>Recommendations of Academic Standing Committee</b>
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The Academic Standing Committee met on 20-09-2023 and deliberated on this agenda. The recommendations of the committee are as follows:

**1. To consider the proposal of introduction of summer courses**

- The summer courses may be offered to I year students of UG, Int. MSc and ITEP programs
- Only students with 'F' grade will be allowed to register for summer courses. Makeup Examinations shall not be held for the summer courses.



- Summer courses may be arranged only when the number of failures are more than 10% of the class strength
- Maximum number of courses permitted for registration in summer shall be three.
- Head of the Departments may have the liberty to assign the summer course to the faculty members who are available in the summer vacation.
- Fee for summer courses: Rs. 2,000/- per credit
- Honorarium to faculty: Rs. 2,000 per hr
- Honorarium to examination branch: Rs. 5,000/- per each course

## **2. PhD Registration lapses – One semester/two semesters**

- As per the present rules, scholars failing to register for one semester (without permission) are required to pay fee for two semesters along with a fine of Rs. 5,000/- when they register for the next semester
- If the scholar is permitted to take re-admission (failing to register for two consecutive semesters) by the Senate, the scholars are required to pay the tuition fee for all the not-registered semesters along with a fine of Rs. 5,000/- per semester at the time of re-admission.

3. When the scholar is given readmission (after completion of 8 years), the maximum period shall be 4 years

4. To resolve the ambiguity between Rule 7.9 & 15.4 (UG)

- Rule 7.9 may be modified as: A student may register the backlog courses, giving priority to the oldest backlogs in study mode being offered in a semester. The maximum credits (including backlog courses) that a student can register in the study mode in a semester is 30.
- Rule 15.4 may be retained as it is.

## **5. Amendment to M.Tech Rule 10.8 – IX**

- As three months extension always encroaches into the next semester, it is recommended that the student need not pay the tuition fee.

## **6. Induction Program**

- *Academic Standing Committee recommends that though it is mandatory for all students to complete Induction program in the first year, it shall not be linked to promotion to III semester.*
- *Make-up for the induction program shall be conducted during the weekends of the First year as already approved by the Senate.*

## **7. Minors/Honors: CGPA eligibility and Maximum strength**

- *The minimum CGPA eligibility for registration into Honors program may be reduced to 7.50 from 8.00*
- *The maximum allowable strength in each Minor may be increased to 80.*
- *To discourage the students from dropping the minor program, a one-time fee of Rs. 6,000/- may be charged, at the time of registering into the minor program.*

## **8. Mandatory non-credit courses (MNC)**

- *Recommend to pay a consolidated honorarium of Rs. 30,000/- for teaching a MNC course for both internal faculty as well as external members subject to the condition that the minimum number of students in any MNC is 50.*
- *As the honorarium is being paid, teaching MNC course shall not be counted in the workload for internal faculty members.*

## **9. Institute level PhD courses – Part-time scholars**

- *When residential requirement is waived, Part-time Research scholars, may be allowed*



*to take Institute level course in self-study mode.*

- *However, they shall write the examinations in off-line mode as and when they are conducted.*

#### **10. Temporary withdrawal**

- *It is recommended that the student shall pay the tuition fee for the withdrawn semesters, irrespective of the program, i.e., UG, PG and PhD. They need not pay Other Fee.*
- *During the withdrawal period, the M.Tech and PhD scholars are not entitled to receive stipend/fellowship.*
- *However, in case of research scholars, fellowship may be paid for a maximum of five years, even though it encroaches into the sixth year from the date of admission.*

#### **11. Communication of results to parents**

- *The committee explored several possibilities such as: publishing the results in Institute website; Creating SMILE logins for parents; Whatsapp messages; Posting the grade sheets (at least in 1 year) etc.*
- *It is recommended to communicate the results of at least 1 year UG programs to parents by bulk messages through SMILE portal.*

#### **12. Allowable time for Arbitration/appeal**

- *At present any student can appeal to DAAC within 20 days after publishing the results.*
- *The Committee recommends to Senate to reduce this period to 5 working days in lieu of 20 days.*

*All the above recommendations of the Academic Standing Committee have been approved by the Senate.*

<b>2023-127-Senate-13</b>	<b>Renaming the School of Management to Department of Management Studies</b>
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Head, School of Management has forwarded a proposal, recommended by all the faculty, to rename it as Department of Management Studies on par with other Departments, as they are offering regular PG and PhD programs.

*The Senate approved the proposal of renaming the School of Management to Department of Management Studies and suggested to adopt semester schedule instead of a trimester schedule.*

<b>2023-127-Senate-14</b>	<b>Proposed modifications for Admissions</b>
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- *Drop the word "first class with" from eligibility requirements of the qualifying degrees for admission into Ph.D., PDF, M.Tech, M.Tech (Self Finance), PG Diploma, MSc, MSc(Tech), MCA and MBA.*
- *The eligibility condition is proposed as follows for PhD and PDF: 60% aggregate marks or 6.5 CGPA (on a 10-point scale) at both UG and PG for GEN/GENEWS/ OBC-NCL category and minimum 55% aggregate marks or 6.0 CGPA (on a 10-point scale) for SC/ ST/ PwD category.*
- *The eligibility condition is proposed as follows for MBA, M.Tech (Self Finance), and PG Diploma: In the qualifying degree, the candidates should have passed and secured at least 60% aggregate marks or 6.5 CGPA (on a 10-point scale) for GEN/ GEN-EWS/ OBC-NCL*



*category and minimum 55% aggregate marks or 6.0 CGPA (on a 10-point scale) for SC/ST/ PwD category.*

- *Any student of PWD category will only be considered eligible for admission after approval of the Medical Board, duly constituted by the Institute.*
- *At least one degree shall be from “Institute of repute” as an eligibility criteria for Post-Doctoral Fellows*
- *At any point of time, a maximum of two post-doctoral fellows may be mentored by a faculty.*

*The Senate approved the proposed modifications.*

<b>2023-127-Senate-15</b>	<b>Offering Joint programs with IIM Visakhapatnam</b>
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NIT Warangal and IIM Visakhapatnam have signed a MoU to offer a joint PG Diploma in Management.

*The Senate approved the above proposal.*

<b>2023-127-Senate-16</b>	<b>Nomination of Board members</b>
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The tenure of the Board member, Prof. N.V. Umamahesh is going over in Nov. 2023 and Prof. I.A.K. Reddy is deceased in Sep. 2023. In view of the above, the names of the following professors are proposed for senate nominees to the Board of Governors for two years.

1. Prof. K. Madhu Murthy (Professor Category).
2. Prof. GRK Gupta (Asst. and Associate Professor Category)

*The Senate approved the above proposal.*

<b>2023-127-Senate-17</b>	<b>Conferment of Honorary Degrees</b>
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It is proposed to confer Honorary Doctorates from the next convocation (22<sup>nd</sup> Convocation) onwards. The Senate is requested to authorize the Chairman, Senate to constitute a Committee to suggest the guidelines to be followed for conferring the Honorary Doctorates.

*The Senate in principle agreed with the proposal and appointed the following committee to suggest guidelines for discussion in the next Senate.*

1. Prof. K. Madhu Murthy (Chairman)
2. Prof. P. Ravi Kumar, ME
3. Prof. G. Amba Prasad Rao, ME
4. Prof. D. Dinakar, PY
5. Prof. Debashis Dutta, MA

<b>2023-127-Senate-18</b>	<b>Revised PhD forms</b>
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The PhD forms (PhD-1 to PhD-8) have been revised and circulated to the Senators.

*The Senate approved the revised forms with the following modifications:*

The number of DSC members from the same department shall be two only (Form PhD-1)

In the form (Annexure-II) for proposed list of External Examiners for adjudication of Ph.D. thesis, the URL or ORCID ID of the examiner shall be provided in lieu of the list of 10 recent publications.

<b>2023-127-Senate-19</b>	<b>Revision of Feedback forms</b>
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Prof. P. Bangaru Babu, Chairperson, Academic Oversight Committee is requested to refer feedback forms adopted in other IITs and NITs in the next meeting.

The Senate advised the Chairperson, Oversight committee to present the revised feedback forms in the next meeting.

*The Senate deferred the item to the next meeting.*

<b>2023-127-Senate-20</b>	<b>Restructuring of PG programs</b>
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The Chairman, Senate has requested all the Departments to discuss on restructuring of the M.Tech programs in the respective departments. Prof. DVSS Siva Sarma, Chairperson, New Programs Committee, presented the status of vacancies in all M.Tech programs in the last three years.

The following inputs may be considered for planning towards restructuring of M.Tech programs and submit the reports to Chairperson of new program committee.

1. Statistics on student enrolment for past 3 years
2. Batch size should be more than 25 students
3. Placement statistics for past 3 years
4. NBA report on the accreditation of M.Tech. program
5. Redundancy in M.Tech programs
6. MS/M.Tech programs offered by IITs and foreign Universities

*The Senate suggested the Departments to submit their proposals and this may be considered in the proposed Academic Review Meeting to be organized shortly.*

<b>2023-127-Senate-21</b>	<b>Student Disciplinary Manual</b>
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Prof. D. Srinivasacharya, Dean, Student Welfare has revised the Student Disciplinary manual by incorporating proposed modifications with regard to malpractices. The revised student disciplinary manual is circulated to all the Senators. The Senate may consider and approve the revised student disciplinary manual.

*This item has been deferred.*

<b>2023-127-Senate-21</b>	<b>Any other item with the permission of the Chair</b>
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- (a) Student mentoring activity: Prof. M. Sailaja Kumari presented a detailed proposal for mentoring the students.



NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

*The Senate suggested to review the proposal with Prof. G. Amba Prasad Rao, Chairperson, Student Counselling.*

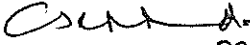
Academic review – Prof. A. Venu Gopal, Chairman, CDC, presented the minutes of the First Academic Committee Review meeting for information to Senate.

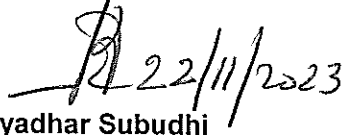
*The Senate noted down the proposed activities.*

(b) The Department of EC has proposed to offer "Intellectual Property Rights" as one of the Institute level PhD course along with the syllabus. Prof. L. Anjaneyulu has come forward to offer this course from the next semester.

*The Senate has approved the proposal.*

The meeting ended with vote of thanks to the Chair and the esteemed members of the Senate.

  
22/11/2023  
Prof. C.S.R.K. Prasad  
Registrar (I/c) & Secretary

  
22/11/2023  
Prof. Bidyadhar Subudhi  
Director & Chairman

**Date: 22.11.2023**