

राष्ट्रीय प्रौद्योगिकी संस्थान वारांगल
National Institute of Technology Warangal
Hanamkonda, Warangal-506004, Telangana

Senate Minutes



Meeting No.: 132
Date: 30th April 2024
Time 15.00 hours
Venue: Senate Hall, NIT Warangal

Minutes of 132nd Meeting of the Senate held on 30th April 2024

Prof. Bidyadhar Subudhi, Chairman

Director, NIT Warangal

Prof. N. V. Umamahesh, Secretary

Registrar (I/c), NIT Warangal

Members Present:

- | | |
|-----------------------------------|------------------------------------|
| 1. Prof. A. Sarath Babu (CH) | 34 Prof. M. Joseph Davidson (ME) |
| 2 Prof. A. Veeresh Babu (ME) | 35 Prof. M. Sailaja Kumari (EE) |
| 3 Prof. A. Venu Gopal (ME) | 36 Prof. N. Bheema Rao (EC) |
| 4 Prof. A. Venu Vinod (CH) | 37 Prof. N. Kishore Babu (MM) |
| 5 Prof. Arif Ali Baig Moghal (CE) | 38 Prof. N. Narasaiah (MM) |
| 6 Prof. B. Sathish Ben (ME) | 39 Prof. N. Selvaraj (ME) |
| 7 Prof. B. Sri Padmavati, UOH | 40 Prof. N. Viswanathan (EE) |
| 8 Prof. B.L. Narasimha Raju (EE) | 41 Prof. N.V. Umamahesh (CE) |
| 9 Prof. C. Vanitha (MM) | 42 Prof. P. Abdul Azeem (PH) |
| 10 Prof. C.S.R.K. Prasad (CE) | 43 Prof. P. Bangaru Babu (ME) |
| 11 Prof. Ch. Venkaiah (EE) | 44 Prof. P. Ravi Kumar (PE) |
| 12 Prof. D. Jayakrishna (ME) | 45 Prof. P. Sreehari Rao (EC) |
| 13 Prof. D. Dinakar (PH) | 46 Prof. P. Sreenivasa Rao (BT) |
| 14 Prof. D. Kasinath (CY) | 47 Prof. P. Subhash Ch Bose (ME) |
| 15 Prof. D. Ramaseshu (CE) | 48 Prof. P. Syam Prasad (PH) |
| 16 Prof. D. Srinivasa Charya (MA) | 49 Prof. P. Vamsi Krishna (ME) |
| 17 Prof. D. Vakula (EC) | 50 Prof. P. Venkata Sri Laxmi (CY) |
| 18 Prof. Debashis Dutta (MA) | 51 Prof. P. Venkata Suresh (CH) |
| 19 Prof. Divi Haranath (PH) | 52 Prof. P. Venkateswara Rao (CE) |
| 20 Prof. G. Amba Prasad Rao (ME) | 53 Prof. R. Dhayanidhi (PE) |
| 21 Prof. G. Nagasrinivasulu (ME) | 54 Prof. R. Narasimha Rao (ME) |
| 22 Prof. G.V. Nageswara Rao (MM) | 55 Prof. R. Satish Babu (BT) |
| 23 Prof. Hari P. Rani (MA) | 56 Prof. Rashmi Ranjan Rout (CS) |
| 24 Prof. K. Kiran Kumar (ME) | 57 Prof. Ravi Kumar Jatoth (EC) |
| 25 Prof. K. Madhavi (HS) | 58 Prof. S. Srinath (CH) |
| 26 Prof. K. Madhu Murthy (ME) | 59 Prof. S. Srinivasa Rao (EE) |
| 27 Prof. K. Narasimhulu (BT) | 60 Prof. S. Srinivasa Rao (ME) |
| 28 Prof. K. Thangaraju (PH) | 61 Prof. Sonawane Shirish (CH) |
| 29 Prof. K. Venkata Reddy (CE) | 62 Prof. Sourabh Roy (PH) |
| 30 Prof. K.V. Gobi (CY) | 63 Prof. Srikanth Korla (ME) |
| 31 Prof. KN Kasiviswanadham (MA) | 64 Prof. T. Kishore Kumar (EC) |
| 32 Prof. L. Anjaneyulu (EC) | 65 Prof. T.D. Gunneswara Rao (CE) |
| 33 Prof. M. Heera Lal (CE) | 66 Prof. T.V. Hanumantha Rao (EC) |

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67	Prof. V. Hari Kumar (ME)	74	Prof. V. Rama Devi (MS)
68	Prof. V. Rajesh Khana Raju (ME)	75	Prof. Velagapudi Vasu (ME)
69	Prof. V. Ramana Murthy (MA)	76	Prof. Venkaiah Chowdary (CE)
70	Prof. V. Suresh Babu (ME)	77	Prof. V. Narayanan (CY)
71	Prof. V. Venkata Mani (EC)	78	Prof. Vishnu Shanker (CY)
72	Prof. V.P. Chandra Mohan (ME)	79	Prof. Y. Ravi Kumar (ME)
73	Prof. V.T. Somasekhar (EE)		

Special Invitees:

1. Prof. A. Benerji Babu (Head, MA)
2. Prof. Prakash Saudagar (Head, BT)
3. Prof. Karthik Balasubramanian, Chairperson, NBA
4. Prof. S. Vidya Sagar, Associate Dean, UG
5. Mr. A. Sreenivas, AR (Academic)

Student Representatives:

1. Mr. Rayappa David Amar Raj

The following members could not attend the meeting:

1	Prof. Adepu Kumar (ME)	16	Prof. Mahesh Kumar Talari (MM)
2	Prof. Amit Prashant, IITGN	17	Prof. N.V. Srikanth (EE)
3	Prof. Ashok K. Pradhan, IITKGP	18	Prof. P. Hari Krishna (CE)
4	Prof. Asit Kumar Khanra (MM)	19	Prof. P. Madhusudhana Reddy (PE)
5	Prof. B. Lakshmi (EC)	20	Prof. P. Ramlal (MS)
6	Prof. Bhagwan K. Murthy (EE)	21	Prof. P. Ratish Kumar (CE)
7	Prof. C.S.P. Rao (ME)	22	Prof. Pisipati Radha Krishna (CS)
8	Prof. Ch. Sudhakar (CS)	23	Prof. Puli Ravi Kumar (ME)
9	Prof. D.V.S.S. Siva Sarma (EE)	24	Prof. R. Padmavathy (CS)
10	Prof. G. Rajesh Kumar (CE)	25	Prof. R.B.V. Subrahmanyam (CS)
11	Prof. J.V. Ramana Murthy (MA)	26	Prof. S. Anuradha (EC)
12	Prof. K. Anand Kishore (CH)	27	Prof. S. Venkateswara Rao (CE)
13	Prof. K. Ramesh (CS)	28	Prof. T. Venkatappa Rao (PH)
14	Prof. K.V. Sai Srinadh (ME)		
15	Prof. L. Krishnanand (ME)		

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

Opening Remarks by the Chairman, Senate:

- The Chairman Senate and the Senators placed on record the services rendered by Prof. D. Dinakar, Professor of Physics, who superannuated on 30th April 2024.
- The Chairman Senate welcomed the Senators, Special Invitees and Student Representatives to the meeting.
- The Chairman, Senate requested Prof. Venkaiah Chowdary (CE) to prepare the Senate Protocol.
- The Chairman, Senate nominated Prof. Venkaiah Chowdary (CE) as Coordinator and Prof. V.R.K. Raju (ME) as Co-Coordinator and requested them to conduct a one-day workshop on Effective PhD thesis supervision during summer vacation.

2024-132-Senate-01	Student Representations
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- (i) The students who were recommended for punishment by the ISDC have represented to the Chairman, Senate to either reduce this or to excuse them. The Chairman, Senate has sought the suggestions of the Students Grievance Redressal Committee (SGRC). The Grievance committee submitted its recommendations to the Chairman, Senate. Chairman Senate has approved the recommendations made by ISDC and SGRC for punishments [Annexure-I].

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

- (ii) *Mr. M. Sujith Reddy (22CEB0B18), 4th semester student of CE has made a request to allow him to write makeup examinations for the courses with “R” grade. He has “R” grades in five courses in second semester, “R” grade in 6 courses and one “F” grade in the 3rd semester. As per existing regulations, students with “R” grade are not permitted for makeup examinations.*

The Senate did not approve the request of the student.

- (iii) Mr. Pranjal Sinha (Roll No. 21CEB0A38), Ms. Vineetha Challa (21CHB0A11), Ms. Bwhwiti Basumathary (21CHB0A12), Mr. Charan Tej (21MMB0A42), Mr. Arjun (21MMB0A50), Mr. Shubham Parmar (21CSB0B52), Mr. Vishnu Sai K. (21BTB0A01) have made a common representation to allow them to register for 5th semester courses in Summer classes. All the above students could not be promoted to 5th semester and were under Academic probation in the 6th semester. They were not permitted to register in 5th semester. The issue is referred to SUGC. *SUGC observed that as per the existing rules, there is no provision of summer classes for 5th semester.*

The Senate deliberated on these requests and permitted the above students to register for a maximum number of three courses in the summer as a special case.

- (iv) *An undergraduate student has made a representation not to discriminate students by distinguishing between Indian Origin or Foreign students based on Roll Numbers. At present students with foreign origin are given roll number as xxxxxFxx.*

Senate considered the request to modify the Roll Number of Foreign Students appropriately to avoid discrimination.

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- (v) *Father of Mr. Karthik Gupta (ME), B.Tech 4th semester student (22MEB0A07) has made a request to condone the attendance requirement based on medical grounds. He also made a request to permit him to write Minor and End Semester exams. The issue is referred to SUGC. SUGC observed that as per the existing rules any student with less than 80% attendance is not permitted to write end semester examinations.*

Senate did not approve the request.

2024-132-Senate-02	Action Taken report on the decisions taken in 131st Senate meeting
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2024-131-Senate-02	Confirmation of the minutes of 130 th Senate meeting:	The minutes of 130 th Senate Meeting approved by the Senate have been uploaded on the Institute website.
2024-131-Senate-07	<p>Academic Review</p> <p>The recommendations of the Academic Review Committee with regard to Curriculum for UG and PG programs and revised academic regulations have been presented to the Senate.</p> <p>The draft curriculum has been shared with the Departments for further course of action. A meeting with the Chairman, CDC, Heads of the Departments and PIC, Curriculum of each Department was held on 18-04-2024 and guidelines for revising the curriculum such as template for drafting syllabus of each course, course codes, allowable overlap between programs and courses have been discussed. The Departments were suggested to revise the curriculum following the guidelines before the end of May, 2024.</p>	<i>Senate expressed its satisfaction over the progress towards Curriculum Revision.</i>

2024-132-Senate-03	Confirmation of the minutes of 131st Senate meeting
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The minutes of the 131st meeting of the Senate held on 12-03-2024 were circulated to all the senators. The comments received from the Senators were incorporated in the minutes.

The Senate approved the minutes of the 131st Senate Meeting.

2024-132-Senate-04	Items for ratification
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(i) Change of Supervisor/inclusion of Co-Supervisor

Sl. No.	Roll No.	Name of the Scholar	Existing Supervisor	Proposed New Supervisor & Co-Supervisor	Reason for changes
1	719008	Ms. A. Saraswathi	Prof. C.B. Kameswara Rao	Dr. Anitha Pryadarshini Co-Supervisor	Superannuation of Prof. C.B. Kameswara Rao
2	720124	Pothuganti Sanjeeva Kumar	Prof. P. Ramlal	Dr. PRC Gopal (Supervisor) Dr. V. Rama Devi (Co-Supervisor)	Request of the Student
3	719008	Ms. B. Manoja Rani	Prof. I. Earnest Paul	Dr. V. Chandra Sekhar, MD (Gen. Medicine), KMC, Warangal	Domain Knowledge of the Doctor for selecting features and interpreting results

The Senate approved the change of Supervisor/inclusion of Co-Supervisor for the above scholars.

(ii) Eligibility Criteria for PhD admission

In line with the directives of Ministry of Education, the Institute should pay fellowship to research scholar qualified in GATE/CSIR-UGC-NET. The Chairman, Senate has approved that GATE/CSIR-UGC-NET/GPAT qualification is mandatory for admission into Full Time PhD program under Institute Fellowship.

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

2024-132-Senate-05	Results of Ph.D. Viva Voce Examination
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The Senate confirmed the results of the following Ph.D. students who have been provisionally awarded degrees on approval of the Chairman, Senate.

PhD Results		
	Mr. Junuthula Ashish	
	Department	EC
	Roll No.	718040

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1	Date of Viva-voce Examination	21.03.2024
	Foreign Examiner	Prof. Preetham B. Kumar, Department of Electrical and Electronic Engineering, California State University, U.S.A.
	Indian Examiner	Prof. Dharmendra Singh, Dept. of Electronics and Communication Engineering, IIT Roorkee
	Supervisor(s)	Prof. A. Prakash Rao
	Thesis Title	Investigations on multiband Metamaterial Antenna Design for Wireless Applications
2	Mr. Nitish Gupta	
	Department	MA
	Roll No.	719094
	Date of Viva-voce Examination	08.04.2024
	Foreign Examiner	Prof. Rama S.R. Gorla, Air Force Institute of Technology, Dayton, Ohio USA 45433
	Indian Examiner	Prof. Aameya Kumar Nayak, Department of Mathematics, IIT Roorkee, Roorkee.
	Supervisor(s)	Prof. D. Bhargavi
	Thesis Title	Enhancing Heat Transfer in the Developing Thermal Field in a Fluid Saturated Porous Filled Duct with Local Thermal Non-equilibrium
3	Mr. K. Nagendra Prasad	
	Department	ME
	Roll No.	701612
	Date of Viva-voce Examination	19.03.2024
	Foreign Examiner	Prof. Jing Shi, Department of Mechanical & Materials Engineering, University of Cincinnati - USA
	Indian Examiner	Prof. Pradeep Kumar, Dept. of Mech. & Industrial Engineering, IIT, Roorkee
	Supervisor(s)	Prof. S. Kanmani Subbu
	Thesis Title	Surface treatments on HSS Cutting Tool for sustainable machining
4	Mr. Gamidi Kartheek	
	Department	ME
	Roll No.	718139
	Date of Viva-voce Examination	18.03.2024
	Foreign Examiner	Dr. Sandip Harimkar, Oklahoma State University, Stillwater, 74078, Oklahoma, USA
	Indian Examiner	Prof. Apurbba Kumar Sharma, Dept. of Mechanical and Industrial Engineering, IIT, Roorkee
	Supervisor(s)	Prof. P. Vamshi Krishna
	Thesis Title	Modelling and Analysis of machining performance and surface integrity in Spot Cooled Vibration Assisted Turning of Ti6AL4V alloy
	Mr. Kishore Kumar Aitha	
	Department	PH

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5	Roll No.	715086
	Date of Viva-voce Examination	21.03.2024
	Foreign Examiner	Prof. Agostino Iadicicco, University of Naples Parthenope, Centro Direzionale Isola C4, Napoli, Italy
	Indian Examiner	Prof. Partha Roy Chaudhuri, Professor, Department of Physics, IIT Kharagpur, West Bengal- 721302
	Supervisor(s)	Prof. D. Dinakar
	Thesis Title	Development of Functional Materials as White-LED Phosphors to Improve Color Rendering in Display Devices
6	Mr. Venkata Raghunadh Machavaram	
	Department	EC
	Roll No.	718083
	Date of Viva-voce Examination	28.03.2024
	Foreign Examiner	Prof. Sharath Sriram, RMIT University, Melbourne, Australia
	Indian Examiner	Prof. Anand Bulusu, IIT, Roorkee
	Supervisor(s)	Prof. N. Bheema Rao
	Thesis Title	Design and Implementation of Compact High Performance On-chip Multilayer IPD Inductors for 5G Applications
7	Mr. Podeti Raveendra	
	Department	EC
	Roll No.	719068
	Date of Viva-voce Examination	28.03.2024
	Foreign Examiner	Prof. Saraju Mohanty, Dept. of CSE, University of North Texas, Denton, TX 76207, USA.
	Indian Examiner	Prof. Siva Rama Krishna, Department of Electrical Engineering, IIT Hyderabad
	Supervisor(s)	Prof. P. Srihari Rao
	Thesis Title	On-chip Circuit Strategies for Hardware Security
8	Mr. V. Lokesh	
	Department	EE
	Roll No.	718126
	Date of Viva-voce Examination	04.04.2024
	Foreign Examiner	Dr. Mohammad Sanjari, Griffith University, Southpor
	Indian Examiner	Prof. Bhaveshkumar R. Bhalja, IIT Roorkee
	Supervisor(s)	Prof. Altaf Q. H. Badar
	Thesis Title	Investigations on Strategies for Profit Maximization in networked Microgrids
	Mr. Reddivari Muniramaiah	
	Department	PH
	Roll No.	701966
	Date of Viva-voce Examination	04.04.2024

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9	Foreign Examiner	Prof. Yogendra Kumar Mishra, University of Southern Denmark, Denmark
	Indian Examiner	Prof. Ranjith Ramadurai, IIT, Hyderabad
	Supervisor(s)	Prof. D. Paul Joseph
	Thesis Title	Noble Metallic Multi-layer and Tin Oxide Based Alternative Transparent Conducting Electrodes for Optoelectronic Devices
10	Mr. Amudhalapalli Gopi Krishna	
	Department	ME
	Roll No.	701929
	Date of Viva-voce Examination	10.04.2024
	Foreign Examiner	Prof. Tadhg S. O'Donovan, Chief Scientist, Heriot-Watt University, Knowledge Park, Dubai
	Indian Examiner	Prof. Tanmay Basak, Department of Chemical Engineering, IIT Madras
	Supervisor(s)	Prof. D. Jaya Krishna
	Thesis Title	Numerical investigation of hybrid heat transfer enhancement techniques for a shell and tube latent heat storage unit
11	Mr. G. Khalil Ahmad Kakar	
	Department	CE
	Roll No.	717008
	Date of Viva-voce Examination	19.04.2024
	Foreign Examiner	Prof. Srinivas S. Pulugurtha, The University of North Carolina at Charlotte 9201 NC 28223, USA
	Indian Examiner	Prof. Mallikarjuna C., Civil Engineering Department, IIT Guwahati
	Supervisor(s)	Prof. C.S.R.K. Prasad
	Thesis Title	Bus Rapid Transit System and Land-Use Relationship With Mode Choice
12	Mr. Suram Anil	
	Department	CE
	Roll No.	718109
	Date of Viva-voce Examination	28.03.2024
	Foreign Examiner	Dr. Venkataramana Sridhar, Virginia Polytechnic Institute and State University, USA
	Indian Examiner	Prof. D. Nagesh Kumar, IISc, Bangalore
	Supervisor(s)	Prof. P. Anand Raj
	Thesis Title	Assessment of Water Balance Components in the Krishna River Basin: A Perspective of Climate and Land use Land Cover Change
	Mr. Irshad Ullah Khan	
	Department	CH
	Roll No.	719137
	Date of Viva-voce Examination	24.04.2024
	Foreign Examiner	Prof. Vilas Pol, Purdue University, USA

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13	Indian Examiner	Prof. Anil Verma, Professor, Dept. of Chemical Engineering, IIT Delhi-110016
	Supervisor(s)	Prof. Murali Mohan and Prof. Rajmohan KS
	Thesis Title	Development of Non-Noble Electrocatalysts for Quinone Based Organic Redox Flow Batteries
14	Mr. T. Ramalingam	
	Department	ME
	Roll No.	701619
	Date of Viva-voce Examination	29.04.2024
	Foreign Examiner	Dr. Ahad Ali, Lawrence Technological University, USA
	Indian Examiner	Prof. S.K. Sahoo, Professor, Mechanical Engineering, NIT Rourkela
	Supervisor(s)	Prof. N. Selvaraj and Dr. N. Kishorenath
15	Thesis Title	Machinability Studies of Quartz Cyanate Ester Polymeric Composite
	Mr. Bikash Modak	MA
	Roll No.	719103
	Date of Viva-voce Examination	30.04.2024
	Foreign Examiner	Prof. Arni S R Srinivasa Rao Department of Mathematics, Augusta University, USA
	Indian Examiner	Prof. Malay Banerjee Department of Maths & Statistics, IIT, Kanpur
	Supervisor(s)	Prof. P. Muthu
	Thesis Title	Mathematical Models of Within-Host Dengue Virus Transmission

The Senate approved the results.

2024-132-Senate-06	Guidelines for Award of Best UG Project, PG Dissertation and PhD Thesis
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The three sub-committees appointed by Senate in its 127th Meeting have submitted to the Chairman, Senate the guidelines for the Award of the Best UG Project, PG Dissertation and PhD Thesis. The proposed guidelines suggested by the committees are placed before the Senate for discussion and approval.

The Senate approved the proposed guidelines with some modifications. The revised guidelines are placed in Annexure-II. The Senate suggested the above three committees to serve as the Institute Level Committees for selection of the Best Projects/Dissertations/Thesis.

The Chairman, SUGC has submitted the revised course end feedback forms for both theory and laboratory courses as well as the Exit feedback to the Chairman, Senate. The revised feedback forms suggested by SUGC are placed before the Senate for approval.

The Senate approved the revised course-end feedback forms for theory and laboratory courses and exit feedback form and suggested a few modifications. The revised feedback forms are placed in Annexure-III.

- (i) The maximum age for admission into PhD program under Full time Institute Fellowship is proposed as 30 years for Gen category, 33 years for OBC-NCL and 35 years for SC/ST/PwD/Female candidates.
- (ii) Faculty who will be retiring within the next three years shall not be allotted any Scholar. At the time of superannuation, the Department will assign a care taker Supervisor, in case of retiring faculty happens to be the sole supervisor.

The Senate approved the above proposals.

It is proposed to permit the Faculty of NIT Warangal to act as Supervisor/Co-Supervisor for external candidates subject to satisfying the following conditions:

- *The Institute where the Scholar is registered shall be an Institute of repute or have a NIRF rank less than 100.*
- *At any given time the maximum number of such external students can be two.*
- *However, Faculty relocating from other Institutes can continue to guide the existing PhD students in the previous Institute.*

The Senate approved the above policy.

The Chairman, Senate has appointed the following Students Grievance Redressal Committee for addressing the grievances if any made by the students. The committee will assist the Chairman in handling appeals on the punishments awarded based on the recommendation by the ISDC.

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1	Prof. G. Amba Prasad Rao (ME)	Chair
2	Prof. J.V. Ramana Murthy (MA	Member
3	Prof. B. Venugopal Reddy (EE)	Member
4	Prof. Asim Bikas Das (BT), Member	Member
5	Prof. V. Sreedevi (MM)	Member

The Senate is appraised about creation of the above committee.

The Senate approved the formation of the above Committee.

2024-132-Senate-11	Curriculum Revision
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Prof. A. Venu Gopal, Chairman, Curriculum Development Committee is requested to initiate steps for preparation of detailed syllabi of all UG and PG programs for implementation with effect from the Academic Year 2024-25. The Departments were appraised to complete the curriculum revision by 30th May, 2024.

The Senate noted the information.

2024-132-Senate-12	Capacity Building Program for Design & Entrepreneurship
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The Ministry of Education has launched a Capacity Building Program for faculty and Higher Educational Institutes on Design and Entrepreneurship under the aegis of Malaviya Mission Teacher Training Programme (MMTTP) to address the key elements of NEP with a specific focus on design and entrepreneurship development. 20 HEIs including NIT Warangal have been identified under Capacity Building Program for Design & Entrepreneurship by Ministry of Education.

Objectives of the Program:

- Increase in the proportion of faculty with practical experience in promoting design and entrepreneurial skills and behaviours among students
- Increase in the proportion of common & core courses adopting pedagogy of learning by doing
- Increase in IP creation, i.e., patents & designs generated by students supported by faculty
- Increase in the proportion of students taking entrepreneurship as a career - start up (co)founders, with a good mix of UG/PG/PhD

Obligations from the Institute:

- Create common slots in the curriculum and academic calendar for UG, PG and PhD programs in at least three departments (3 hrs per week + 3 days per semester for a hackathon + 3 weeks in a year for field work) from the academic year 2024-25
- Introduce open electives focused on specific domains to encourage promising teams of students in their 3rd and 4th year UG or 2nd year PG or advanced years in PhD to pursue detailed design, prototyping and entrepreneurial activities.

The Senate appreciated the acceptance of the above proposal of the Institute and pleased to approve for implementation of the objectives and obligations as mentioned above.

2024-132-Senate-13	Empanelling NIT Warangal under Central Public Health & Environmental Engineering Organization for training and Research
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Central Public Health & Environmental Engineering Organization (CPHEEO), Ministry of Housing and Urban Affairs (MHUA), GOI has invited NIT Warangal to be one among the group of Institutions for imparting training to their field personnel. Based on the invitation the Department of Civil Engineering proposes the following:

- Department of Civil Engineering expressed its willing to provide opportunity to the field Engineers sponsored by CPHEEO for pursuing M.Tech (Environmental Engineering) program under sponsorship from CPHEEO.
- The Department proposes to reserve 10 M.Tech seats per year under sponsored category in M.Tech (Environmental Engineering).
- The admissions will be governed by the Institute Regulation for eligibility and guidelines applicable to Sponsored candidates.
- The Department expressed interest to undertake any projects addressing the issues pertaining to Environmental Engineering.
- The Department expressed interest to offer refresher courses (1-2 weeks) and Short term Training course (1-3 months) in public health engineering. Chairman, Senate approved the proposal.

The Senate expressed its satisfaction on the sponsored MTech programme and ratified the decision of the Chairman, Senate.

2024-132-Senate-14	Anti-plagiarism Policy
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A Committee with the following members is constituted for preparing the anti-plagiarism policy.

1	Prof. V. R. K. Raju (ME)	Chairperson
2	Prof. Venkateswara Rao K. (CS)	Member
3	Prof. Venugopal Reddy B. (EE)	Member
4	Prof. Manali Pal (CE)	Member

The anti-plagiarism policy proposed by the Committee (Annexure-IV) is placed before the Senate for its consideration and approval.

The Senate approved the policy after deliberations.

2024-132-Senate-15	Any other Item
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- (i) The Doctoral Scrutiny Committee of Mr. B. Bixam (EE), Full time Research Scholar (22EER1R09) has recommended to cancel his admission on the basis of (a) unauthorized absence and (b) not able to clear the Comprehensive Viva Voce examination within three semesters even after two attempts.

The Senate approved the recommendation of the DSC to cancel the admission of Mr. B. Bixam.

- (ii) As per the academic calendar of BSc. BEd. Students, End Semester Examinations are scheduled from 13-05-2024. As the general elections in the state of Telangana are scheduled on the same day, the Coordinator of ITEP has proposed to conduct the exam scheduled on 13-05-24 on 11-05-2024.

Senate noted down the information.

- (iii) Mr. Masroor Ahmed (CE), Roll No. 151261, made a request that he may be issued with a BSc degree as has earned a total of 153 credits during his stay at NIT Warangal. It is proposed to issue a suitable degree/diploma in Civil Engineering, as a special case, in the absence of guidelines.

The Senate suggested to issue a Diploma in Civil Engineering to Mr. Masroor Ahmed.

- (iv) Mr. Teshome G. Selamu (CE), a Full time research scholar under ICCR has made a request to permit him for registration for Jan. 2024 session.

The DSC of Mr. Teshome G. Selamu (CE) made the following observations:

- Due to calamity in the family, the candidate went to Ethiopia on 29th Nov. 23 and returned on 4th April 2024.

- The progress of the candidate was satisfactory up to the end of Nov. 23, which was submitted on 23rd April 2024.
- Recommend to consider the period of absence as special leave on humanitarian grounds.
- Recommend to allow the candidate to register for the current semester.

Taking into consideration the calamity in the family, Senate approved the period of absence as leave and permitted Mr. Teshome G. Selamu to register for the January 2024 session.

- (v) Mr. Ayele Adane Ayila (CE), a Full time research scholar sponsored by Ethiopian Government has made a request to permit him for registration without paying the tuition fee as their representation with Ethiopian Government for extending the fellowship is under consideration.

The DSC of Mr. Ayele Adane Ayila (CE) made the following observations:

- The progress of the candidate in the 9th Semester (up to Dec. 23) was satisfactory and the candidate has published the required papers and currently working on the thesis
- The Ethiopian Government has not extended the fellowship/support after Dec. 23.
- The DSC recommend to continue his registration without the payment of tuition fee, as a special case.

Senate noted down the progress of the Scholar and permitted him to register for the January 2024 session, without paying the tuition fee, as a special case. However, the thesis shall not be processed until all the dues are cleared.

- (vi) Mr. Getu Tamiru Tessema (CE), a Full-time research scholar sponsored by Ethiopian Government has made a request for temporary withdrawal for one full year (Jan. to Dec. 2024).

The DSC of Mr. Getu Tamiru Tessema (CE) made the following observations:

- The progress of the candidate was satisfactory up to the end of Sept. 23
- He went back to his country due to Scholarship issues
- Recommend to consider the period of absence as special leave on humanitarian grounds.
- Recommend to permit the candidate to withdraw for one full year (Jan. 2024 to Dec. 2024) as a special case.

Senate permitted Mr. Getu Tamiru Tessema to withdraw for two semesters (January 2024 to December 2024), as a special case.

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(vii) Mr. RV Hara Prasad (EE), a Part time research scholar (716148) made a request for extension of his registration beyond 8 years up to July 2024 to enable him to submit the thesis.

- Mr. Prasad has already published two journal papers (SCI) and one conference paper.
- The DSC of Mr. Hara Prasad has recommended the request.

Considering the progress of the Scholar, Senate approved the recommendation of the Doctoral Scrutiny Committee.

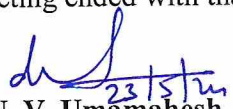
(viii) Mr. A. Raju (ME), a part time Research Scholar (Roll No. 716136) has made a request for temporary withdrawal for one year. However, the scholar has not registered successively for three semesters and hence his registration got cancelled. He will be completing 8 years by this semester. Hence the DSC recommends that he may be given readmission.


Senate approved the recommendation of the Doctoral Scrutiny Committee for re-admission of Mr. A. Raju into PhD program in July 2024 Session.

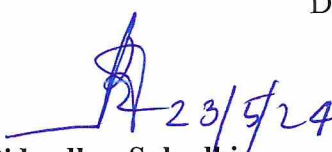
(ix) *Academic Calendar from Next Academic Year*

- *In view of harsh summer, the Chairman, Senate advised the Dean (Academic) to propose the Academic Calendar for the AY 2024-25 with Autumn Semester (20th July to 30th Nov) and Spring Semester (20th Dec –15th April).*
- *Dean(SW) is advised to schedule the student events judiciously so that both Autumn and Spring Sessions have uninform Event Calendars.*

The meeting ended with thanks to the Chair.


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


Prof. A. Sarath Babu
Dean, Academic


Prof. Bidyadhar Subudhi
Director & Chairman

ANNEXURE-I**Student Indiscipline and Punishment**

Sl.No	Roll No	Name of the Student	Revised Disciplinary Action
1	21EEB0F05	Sonam Tshewang	Not permitted to write current end semester examinations. However, he is permitted to write the Makeup Exams.
2	206137	Nima Tshering	Withheld the result for one month.
3	21CYE0009	Nimesh Kumar Kanth	Not permitted to write current end semester examinations. However, he is permitted to take the Makeup Exams.
4	21CSB0A44	Pratyush Kumar	Not permitted to write current end semester examinations. However, he is permitted to write the Makeup Exams.
5	21BTB0A15	Saraswat Ashwin Ravishankar	Exempted from the punishment.
6	22CEB0B18	M. Sujith Reddy	Expel from the Hostels for One Semester of the AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC in the next Academic Year.
7	22CEB0A01	Mohammad Omer Aijar	Expel from the Hostels for One Semester of the AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC in the next Academic Year.
8	22CSB0A01	Mohammad Murtuza	Expel from the Hostels for One Semester of the AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC in the next Academic Year.
9	22CEB0B33	Ellapu Sriya	Expel from the Hostels for One Semester of the AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC in the next Academic Year.
10	22CSB0A24	Nikhil	Not permitted to write current end semester examinations. However, he is permitted to write the Makeup Examinations. In the next semester he is permitted to register for only four courses including backlogs.
11	22CSB0A38	Chaitanya	Not permitted to write current end semester examinations. However, he is permitted to write the Makeup Examinations. In the next semester he is permitted to register for only four courses including backlogs.
12	21EEB0B31	Nalin Chandra	Not permitted to write current end semester examinations. However, he is permitted to write the Makeup Exams.
13	206155	T. Vivek	Social Work for 30 days in the next AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC and NSS in the next Academic Year
14	21ECB0A21	Hansh Kumar	Social Work for 30 days in the next AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC and NSS in the next Academic Year
15	21ECB0B26	Kinshak Yadav	Social Work for 30 days in the next AY 2024-25. Mandating on registering for the EAA course, as well as joining NSS in the next Academic Year.

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16	205142	Naveen Dhavan	Withheld the result for one month.
17	204226	Harshit Maheshwari	Withheld the result for one month.
18	22CEB0A27	Kapil Kumar	Expel from the Hostels for One Semester of the AY 2024-25. Mandating on registering for the EAA course, as well as joining NCC in the next Academic Year.
19	21CHB0B24	Himanshu Priyam	Not permitted to write end semester examinations. However, he is permitted to write the Makeup Exams.
20	21CSB0B55	Sudhanshu Ray	Not permitted to write end semester examinations. However, he is permitted to write the Makeup Exams.
21	21CYE0017	Ujjwal Prakash	Expel from the institute for the Current semester.
22	22CEB0A44	Sujal Prajapati	Expel from the institute for the even semester of the AY 2023-24 and odd semester of the AY 2024-25.
23	21BTB0A81	Vivek Kumar	Expel from the institute for the even semester of the AY 2023-24 and odd semester of the AY 2024-25.
24	21CHB0B46	Prince Kumar	To send warning letter to Parents about the teasing of the girl and to pay a penalty of Rs. 5000/- in Student Benevolent fund before end exams.
25	21CSB0A21	Shivam Pratap Singh	To send warning letter to Parents about the teasing of the girl and to pay a penalty of Rs. 5000/- in Student Benevolent fund before end exams.
26	21CSB0B03	Ameresh Kumar	To send warning letter to Parents about the teasing of the girl and to pay a penalty of Rs. 5000/- in Student Benevolent fund before end exams.
27	21CSB0B52	Shubham Parmar	To send warning letter to Parents about the teasing of the girl and to pay a penalty of Rs. 5000/- in Student Benevolent fund before end exams.
28	21CSB0A21	Harshvarshan	To send warning letter to Parents about the teasing of the girl and to pay a penalty of Rs. 5000/- in Student Benevolent fund before end exams.
29	21CSB0F10	Ms. Diya Vijaykumar	To send warning letter to Parents about the incident and to pay a penalty of Rs. 10000/- in Student Benevolent fund before the end exams.
30	22ECB0F11	Abhishek Mishra	A reduction of one grade level in two courses from the Current semester, starting from the highest grade attained (P grade may be converted to F).
31	22EEB0A62	Sayan Mallik	A reduction of one grade level in two courses from the Current semester, starting from the highest grade attained (P grade may be converted to F).
32	208153	P. Ajay	To award 'F' Grade in all courses of the current Semester.
33	21BTB0A13	Arka Mishra	The Student is strictly warned against making further false allegations. He is also been assigned to perform 10 days of social work.
34	21BTB0A13	Deepanshu	The Student is strictly warned against making further false allegations. He is also been assigned to perform 10 days of social work.
35	21BTB0A08	Amjit Champramary	The student is strictly warned against making further false allegations. He also been assigned to perform 10 days of social work.

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36	21BTB063	Rohin Rattu	The student is strictly warned against making further false allegations. He also been assigned to perform 10 days of social work.
37	21BTB0A13	Arka Mishra	The student is required to pay sum of Rs. 30,000'-(Rupees Thirty thousand) which is equivalent three times the cost of the bollard lights, into Director's Account No. 52109375198 He is also required to submit the transaction summary copy to Dean (Student Welfare).
38	21BTB0A08	Amjit Champramary	The student is required to pay sum of Rs. 30,000'-(Rupees Thirty thousand) which is equivalent three times the cost of the bollard lights, into Director's Account No. 52109375198 He is also required to submit the transaction summary copy to Dean (Student Welfare).
39	21BTB0A14	Dipnshu Sharma	The student is required to pay sum of Rs. 30,000'-(Rupees Thirty thousand) which is equivalent three times the cost of the bollard lights, into Director's Account No. 52109375198 He is also required to submit the transaction summary copy to Dean (Student Welfare).

ANNEXURE-II**Selection of Best BTech/MTech/PhD Theses****A. Selection of Best BTech Thesis**

Each Department will nominate 3 projects to the Institute BTech Project Selection Committee (IB2SC) for recommending the best one to the Chairman, Senate for approval. The Department has to involve its own academic committee for nomination of the projects. The format for nomination is given below.

Name of the Department:**Name of the HoD:**

Sl.No.	Name of the student	Roll No.	Title of the Project	Supervisor(s)	Justification for nomination (max 50 words)
1					
2					
3					

Date:

Signature of the HoD

The HoD will forward the nominations along with Theses, workbooks, endorsement of the supervisors to the Institute Best BTech Selection Committee (IB2SC). IB2SC will invite the nominated candidates to make brief presentations as per its prescribed PPT. The following guidelines along with performance during presentation may be used by IB2SC for its decision.

Guidelines for the Evaluation of the Best B.Tech. Project**Title of B.Tech. Project:**

Student's Roll No(s):	Name(s):
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S. No.	Evaluation item	Criteria	Description	Excellent	Very Good	Good	Fair	Poor
1	Project Scope, Objectives and Abstract	<ul style="list-style-type: none"> Clearly defined and feasible project scope. Well-defined objectives and deliverables. 	1. Does the abstract contain rationale for the study, hypothesis(es) and objective(s), major methods, major findings, and conclusions?	10	4	3	2	1
2	Literature review	<ul style="list-style-type: none"> Thorough literature review demonstrating understanding of existing work and literature gaps. 	1. Does the student present enough and relevant background on what is known on the topic, existing information gap, and importance of bridging that gap? 2. Does the student cite enough, relevant literature properly to support the information presented? 3. Does the literature review lead to research question(s), hypothesis(es), and objective(s)? 4. Does this section present different possible methods and the reason for selecting the one that was used in the study?	10	4	3	2	1
3	Work plan / Methodology	<ul style="list-style-type: none"> Well-thought-out workplan to achieve objectives Use of right tools/ methodology and 	1. Is there enough detail of what, when, where, and how the research was performed so that other researcher can repeat the method for similar studies? 2. Is the method relevant to each objective, hypothesis, or	10	8	6	4	2

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		its application/ execution	research question presented in a logical order (in case of multiple objectives, hypotheses, and/or research questions)?					
5	Documentation / Project report	<ul style="list-style-type: none"> ○ Clear and organized documentation of the entire project process ○ Neat organisation of figures/ plots ○ Proper labelling of figures/ plots ○ Clear results and discussion ○ Proper citation of references and sources 	1. Is the discussion presented in a logical order for each objective, hypothesis, or research question (in case of multiple objectives, hypotheses, and/or research questions)? 2. Does the student answer the research question(s), or accept or fail to accept null hypothesis(es) proposed for the study? 3. Does the student relate the findings to relevant literature with proper citation? 4. Does the student present satisfactory reasons for findings that are in disagreement with previously reported results in other literature? 5. Does the student point out the unanswered question(s) and direct future research?	10	8	6	4	2
6	Innovation and creativity	<ul style="list-style-type: none"> ○ Demonstration of innovative thinking/methods in problem solving ○ Creative approaches to project design and implementation 	1. Does the work show originality in project design and execution or relies heavily on templates or imitation, and fail to show inventiveness. 2. Does the work has elements that show integration of creative elements into project design, adapts existing tools in unique ways, and demonstrates inventiveness in execution	10	8	6	4	2
7	Project impact	<ul style="list-style-type: none"> ○ Potential real-world impact of the project ○ Consideration of scalability and practical applications ○ Consideration of environmental and social impacts 	1. How novel is the work that is being presented in the thesis document? Were any breakthroughs made that will influence the direction of research, education, and/or outreach at a large scale? 2. Does the idea/execution of the project has positive/negative/neutral impact on the environment, social behaviour and human existence?	10	8	6	4	2
8	Team collaboration	<ul style="list-style-type: none"> ○ Evidence of effective collaboration and teamwork ○ Clearly defined roles and responsibilities within the team 	1. Were roles and responsibilities for each team member clearly defined and understood?, Were any overlaps or gaps in roles identified and addressed? 2. Was the workload distributed fairly and equitably among team members?	5	4	3	2	1
9	Ethics and sustainability	<ul style="list-style-type: none"> ○ Adherence to ethical standards in engineering practices (e.g. similarity index < 20%) (consecutive 5 words)? 	1. Maintains a consistently low similarity index (< 15%) through proper citation, original work, and responsible use of external sources. 2. Makes sustainability a core principle of the project, actively seeks solutions that minimize environmental impact and promote long-term viability.	5	4	3	2	1
10	Average Grade earned	<ul style="list-style-type: none"> ○ Maximum marks for S and A grade ○ 75% of max. marks for B grade ○ 50% of max. marks for C and grades below. 	1. What is the average grade points earned by the project team for the project work?	5	4	3	2	1
11	Publications	<ul style="list-style-type: none"> ○ Publication in IEEE Transactions / SCI Journal (10) ○ Presenting the paper in the conferences organised by Institute of 	1. Does the project team communicated the work with a reputed standard journal? What is the standard of the journal? 2. Does the work went up to review stage? Accepted/Published? 3. The project work presented in the conferences and innovation competitions? 4. Any exhibition participated?	5	4	3	2	1

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		National Importance (5)						
12	Patents/ Commercialization	<ul style="list-style-type: none"> Patent granted (10) / filed (5) 	1. Status of the Patenting process? Filed/granted 2. Prospects for Revenue Generation: Assess the contribution of patented technologies to overall revenue or funding. 3. Prospects for Commercialization: Investigate the commercialization status of the granted patents. Are they licensed or used in products?	5	4	3	2	1
13	Award for the project	<ul style="list-style-type: none"> Best Paper / Prize money / Competition winning / Hackathon winning 	1. Demonstration of the external validation by winning awards, receiving prize money, or achieving top ranks in competitions 2. Overall merit and impact of the project outcome.	5	4	3	2	1
14	Prototype	<ul style="list-style-type: none"> Demonstration of Prototype / model / technology transfer 	1. Asses the functionality and feasibility, originality and innovation, user-friendliness and design of the prototype/model. 2. What is the level of Technology Transfer? Is it limited to concept demonstration, or has it reached external partners or commercialization?	5	4	3	2	1

Evaluator's Name and Signature	Total marks earned (Max.100):
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The suggested **composition of Department Level Committee:**

1	(Any Professor of the Academic & Research Group nominated by the HoD)	Chair
2	All Academic & Research Group Coordinators	Member(s)
3	Chair, DAC (UG)	Member-convenor

B. Selection of Best MTech Thesis

Each Department will nominate one project for each specialisation to the Institute MTech Project Selection Committee (IBMSC) for recommending the best one to the Chairman, Senate for approval. The Department has to involve its own academic committee for nomination of the projects. The format for nomination is given below.

Name of the Department:**Name of the Specialisation**

Name of the student	Roll No.	Title of the Project	Supervisor(s)	Justification for nomination(max 50 words)

Date:

Signature of the HoD

The HoD will forward the nominations along with Theses, workbooks, endorsement of the supervisors to IBMSC. IBMSC will invite the nominated candidates to make brief presentations as per its prescribed PPT. The following guidelines along with performance during presentation may be used by IBMSC for its decision.

Guide lines for Nomination by the Department Level Committee:

The candidates need to give a presentation on their Theses before the Department Level Committee.

Evaluation Criteria (Rubrics) suggested for the Department Level Committee:

1. Research Contribution: Evaluate the impact and significance of the contributions made in the field
2. Methodology: Assess the rigor and appropriateness of the research methods used
3. Presentation: Consider the clarity and coherence of the written dissertation and oral presentation
4. Problem Solving: Evaluate the student's ability to address Challenges and solve complex problems
5. Originality: Recognize innovative thinking and exploration of new ideas in the dissertation
6. Relevance to Industry: Projects with Practical applications and potential industry impact
7. Collaboration: If applicable, consider the extent of collaboration with Industries or organizations
8. Critical Thinking: Assess the student's ability to analyze and critically evaluate existing literature

The suggested **composition of Department Level Committee** of the Academic Department's offering PG Programs in the Institute are as follows:

1	(Any Professor of the Academic & Research Group nominated by the HoD)	Chair
2	All PG Program Coordinators	Member(s)
3	Chair, DAC (PG&R)	Member-convenor

Evaluation Criteria (Rubrics) suggested for the Institute Level Committee:

- ✓ **Intellectual Property:** IPR associated with the research contributions
- ✓ **Theoretical Soundness:** To check student's ability to understand fundamentals of the problem (the mathematics, the algorithms, the proofs of theorems etc.)
- ✓ **Practical application:** To check if the research work has practical application in short run or long run. To check if a commercial product can be developed out of the research work.

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- ✓ **Novelty:** To check, if the work done has already been existing in prior art.
- ✓ **Outcome:** To check, if there are international journal papers, patents based on work carried out.
- ✓ **Challenge:** Some projects may have humongous amount to work but problem is challenging. Some projects may have small quantum of work but the problem is challenging (technically, implementation wise etc.)
- ✓ **Presentation:** To check ability of student to be able to present work in a lucid manner.

C. Selection of Best PhD Thesis

Each Department will nominate one project for each specialisation to the Institute PhD Thesis Selection Committee for recommending the best one to the Chairman, Senate for approval. In case of tie, the publication quality may be used to finalise. The Department has to involve its own academic committee for nomination of the projects. The format for nomination is given below.

Name of the Department:

Name of the student	Roll No.	Title of the Project	Supervisor(s)	Justification for nomination(max 50 words)	Signature of Supervisor(s)

Date:

Signature of the HoD

The HoD will forward the nominations along with Theses, workbooks, endorsement of the supervisors to the Institute PhD Thesis Selection Committee (IBPSC). IBPSC will invite the nominated candidates to make brief presentations as per its prescribed PPT. The following guidelines along with performance during presentation may be used by IBPSC for its decision.

Guidelines for selecting a Best PhD Thesis

Eligibility:

1. Thesis to be considered between the two Convocations, i.e., the previous year's convocation and the following year's convocation.
2. A thesis with a maximum of two supervisors will be considered.

Points to be calculated using the following:

1. Number of published papers with the candidate as first author:

- For each SCI with Q1 Category: **6 points**
- For each A*, A category of ABDC journals: **6 Points**
- For each SCI with Q2 Category: **4 points**
- For each B category of ABDC journals: **4 points**
- For each SCI with Q3 & Q4 Category: **2 points**
- For each C category of ABDC journals: **2 points**

2. Similarity Index (SI)

- For $SI < 5$: **8 points**
- For $5 \leq SI < 10$: **6 points**
- For $10 \leq SI < 15$: **4 points**
- For $15 \leq SI < 20$: **2 points**

3. Examiner's Review:

- Recommendation for viva voce Without revision: **12 points**
- Recommendation for viva voce With one revision: **6 points**
- Any noble comments: **4 points**
- Two revisions/ one rejection will not be considered.

4. Patents:

For each patent Awarded/Granted: **10 points**

If multiple countries award a Patent, Then, for each country, **4 points**

5. Technology transfer of the work (Part/Full): 10 points

6. In case of tie-in total points, both the thesis will be declared best.

The suggested **composition of Department Level Committee:**

1	(Any Professor of the Academic & Research Group nominated by the HoD)	Chair
2	All Academic & Research Group Coordinators	Member(s)
3	Chair, DAC (PG&R)	Member-convenor
4	PIC, PhD Progress	Member
5	PIC, PhD Enrolment	Member

ANNEXURE-III**Feedback on Faculty by the students
(Theory Course)**

Department:	Academic Year:
Course:	Class:
Name of the Teacher:	Semester:

Students are expected to rate the teacher on a scale of 5 against the parameters listed below by writing the appropriate number in the last column. **5 points indicate the Highest rating, and 1 point indicates the Lowest rating.**

Sl. NO.	Criterion	Rating (1 to 5)
1	Punctuality in engaging the classes	
2	Academic preparedness	
3	Command over the subject	
4	Organization and effective delivery of the course content	
5	Stimulating interest in the subject	
6	Approachability for doubts and counselling	
7	Discussion on the latest developments and future trends	
8	Level of consistency in evaluation	
9	Coverage of Syllabus and Meeting the Course Outcomes (COs)	
10	Overall teaching effectiveness	

Feedback on Faculty by the students
(Laboratory Course)

Department:	Academic Year:
Laboratory Course:	Class:
Name of the Teacher:	Semester:

Students are requested to rate the teacher on a scale of 5 against the parameters listed below by writing the appropriate number in the last column. **5 points indicate the Highest rating, and 1 point indicates the Lowest rating.**

Sl. NO.	Criterion	Rating (1 to 5)
1	Effectiveness in presenting the concepts and principles of the corresponding theory course.	
2	Explanation of the procedures and safety precautions with demonstration	
3	Upkeep of the equipment and its functioning.	
4	Ensuring adequacy of the laboratory manuals and resource material	
5	Consistency in evaluation	

Exit Feedback on B.Tech program

Rate on a scale of 5 (highest score) to 1 (lowest score)

1. The B.Tech program has enabled me in strong application of the knowledge in mathematics, science and engineering fundamentals to solve complex engineering problems. (PO1)
2. The B.Tech program has instilled in me an interest in applying fundamental knowledge to design solutions for societal needs considering public health, safety, cultural, and environmental protection (PO2 , PO3 and PO7)
3. The B.Tech program has motivated me and provided opportunity to conduct research projects with appropriate IT tools, techniques and other supporting resources. (PO4 and PO5)
4. The B.Tech program made me feel responsible as an engineer to add value to lives of people in the society by adhering to ethical and professional engineering practices. (PO6 and PO8)
5. The B.Tech program provided me opportunities to work in teams, bringing together the strengths of different individuals. (PO9)
6. The B.Tech program helped me to nurture and enhance my communication skills through various presentations and interactions. (PO10)
7. The B.Tech program nurtured my project management and financial skills to work in multidisciplinary backgrounds. (PO11)
8. The B.Tech program provided necessary facilities and support to instill proactiveness and life-long learning to adapt to rapid technological changes. (PO12)
9. The B.Tech program has made me confident with practical knowledge of the domain and industry readiness to take on necessary roles in relevant companies. (PSOs)

Exit Feedback on M.Tech program

Rate on a scale of 5 (highest score) to 1 (lowest score)

1. The M.Tech program **enabled me to conduct independent research** to solve real-life problems
2. The M.Tech program provided ample opportunity for me to improve my written and oral communication skills
3. The M.Tech program increased my **mastery in the domain beyond the bounds of the B.Tech program**
4. The M.Tech program provided necessary facilities and support to **instill life-long learning** to adapt to rapid technological changes.
5. The M.Tech program has made me confident with practical knowledge of the domain and industry readiness to take on necessary roles in relevant companies or research labs.

Exit Feedback on Institution Facilities (Common to both B.Tech and M.Tech)

Rate on a scale of 5 (highest score) to 1 (lowest score)

1. Classrooms
2. Teaching Labs
3. Library
4. Student Clubs
5. Sports infrastructure
6. Institute Health and Wellness Center
7. Facilities for Physically Challenged
8. Hostels
9. Canteen
10. Internet
11. Center for Career Planning and Development
12. Grievance Redressal System
13. Campus life

Specific comments on above points or any other item (optional)

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ANNEXURE-IV

Anti-Plagiarism Policy and Regulations for UG, PG (M.Tech, M.Sc, M.Sc.(Tech), MBA, MCA), PhD Programs and Research Publications

1.1 What is Plagiarism?

The act of presenting someone else's work as one's own without properly citing all relevant sources is known as plagiarism. It is crucial to avoid plagiarism while publishing research articles, submitting B.Tech, M.Tech, M.Sc, M.Sc.(Tech), MBA, MCA and PhD Project Reports/ Dissertations/theses, and scientific journals or conference papers. Plagiarism can have negative effects on an individual's reputation as well as the reputation of the institution, and it may even have legal repercussions.

1.2 Definition and Scope of Plagiarism

The act of copying phrases, paragraphs, or longer passages from written or unwritten material—including the internet—without giving credit to the original author is known as plagiarism. The following actions fall under the category of plagiarism for submissions of Project Reports/Dissertations/theses by the B.Tech, M.Tech., M.Sc, M.Sc.(Tech), MBA, MCA and PhD students at the institutional level.

- a) Plagiarizing and passing off someone else's work as one's own.
- b) Acquiring or pilfering experimental data without giving due credit or acknowledgement.
- c) Taking passages verbatim from books, dissertations, research papers, and reports and not citing or recognizing the original author.
- d) Using someone else's concept without giving due credit.
- e) Self-plagiarism, which is the practice of copying an author's published work verbatim or in part without correctly citing earlier works.

1.3 Detection of plagiarism during submission of B.Tech, M. Tech and PhD Project Reports/Dissertations/Theses

To detect plagiarism when submitting B.Tech, M.Tech, M.Sc, M.Sc. (Tech), MBA, MCA and PhD Project Reports/Dissertations/Theses at the Institute level, the following steps to be noted:

The B.Tech, M.Tech., M.Sc, M.Sc.(Tech), MBA, MCA and PhD theses should be submitted in soft copy along with a set of certificates (Annexure A, B and C) with candidate's signature and countersigned by the faculty supervisor(s) stating that the thesis has been scanned using Turnitin software (or any other comparable program that is recommended by the institute) from the supervisor(s)' user account. The plagiarism detection report shall be included in the theses.

The subsequent specifications should be followed during the submission of soft copies of theses to the respective departments.

- (i) Since many previously submitted theses are currently unavailable online or at the institute level, the student and the relevant faculty supervisor(s) will be solely responsible for any plagiarism found in the Project Reports/Dissertations/ Theses they are currently submitting.
- (ii) Research papers (Journals/Conference papers/Book Chapters) published from the thesis being submitted should be excluded in the plagiarism report generated by anti-plagiarism software. The articles from the pertinent thesis may be included in the respective thesis. The submitted Thesis must contain citations to the pertinent publications' references.
- (iii) The final page of the UG/PG/PhD thesis should contain the declaration certificate (Annexure-A).

- (iv) The UG/PG/PhD students are required to submit the soft copy of their theses to the Institute's Central Library. Only after receiving the soft copy, a "No dues" certificate from the central library would be issued to the candidate.

1.4 Procedure for probing into allegation of plagiarism

- a) The committee for Anti-Plagiarism Policy constituted by the Director, will investigate plagiarism allegations/conflicts on an ongoing basis. A complaint on the plagiarism should be reported to the Chairman, Senate.
- b) The committee corresponds to record the versions and statements of both the person who complains his/her work is plagiarised and the person on whom complaint is made to substantiate the evidences.
- c) The committee may make recommendations to the Director in two categories based on inquiry:
 - (i) Low level plagiarism: If the student's plagiarism is due to negligence and unclear intent to cheat—that is, if they simply copied a few lines from the internet or other online sources—they may receive counselling and be given another chance to turn in their work within the allotted time.
 - (ii) High level plagiarism: High-level plagiarism includes copying source code, taking a significant amount of information from someone else's work without giving credit or acknowledgment, and purposeful attempts to replicate other people's work. If there is proof that the intention to cheat is evident, the student's program may be discontinued/terminated, and the supervisor(s) in question may be warned to be vigilant when countersigning the report.

Plagiarism levels

Plagiarism would be quantified into the following levels in ascending order of severity for its definition:

Level 0: Similarities up to 20%

Level 1: Similarities above 20% to 40%

Level 2: Similarities above 40% to 60

Level 3: Similarities above 60%

Note: The committee is responsible for determining the extent of plagiarism. The Level 0 and 1 can be considered as 'Low Level' and Level 2 and 3 can be considered as 'High Level' plagiarism.

1.5 Penalties in case of plagiarism in the submission of Project Reports/Dissertations/ Theses

Level 0: works with similarities up to 20% - Minor Similarities, no liability.

Level 1: works with similarities above 20% to 40% - Such student will be asked to re-submit a revised script within a stipulated period not exceeding six months.

Level 2: works with similarities above 40% to 60% - Such student shall be banned from submitting the revised script for a duration of one year.

Level 3: Similarities above 60% -Such student registration for that program shall be cancelled.

1.6 Penalties in case of plagiarism in academic and research publications

Level 0: Similarities up to 20% - Minor similarities, no penalty.

Level 1: Similarities above 20% to 40%- Shall be asked to withdraw the manuscript.

Level 2: Similarities above 40% to 60%

- Shall be asked to withdraw manuscript.
- Shall be denied to one annual increment.
- Shall not be allowed to supervise to any new Master's, Ph.D. Student/scholar for two years.

Level 3: Similarities above 60%:

- Shall be asked to withdraw the manuscript.
- Shall be denied two successive annual increments.
- Shall not be allowed to supervise to any new Master's, Ph.D. Student/scholar for three years.

1.7 Awareness programme by the Institute against anti-plagiarism

- a) To raise awareness of the negative effects of plagiarism while publishing research publications, writing or mentoring theses, and submitting project reports, departments should host anti-plagiarism workshops.
- b) Before implementing the proposed anti-plagiarism policy, anti-plagiarism software should be made available at the Institute level with adequate login IDs. Training programmes should also be organised at the department level.
- c) To promote transparency and implement anti-plagiarism policies, all UG/PG/PhD theses should be made available online through the Institute server/SMILE portal.
- d) It is also recommended that the approved antiplagiarism policy be displayed on the Institute's website.



National Institute of Technology Warangal Plagiarism Verification

1. Name of the Researcher :

2. Title of the Thesis/Work :

3. Name of Supervisor (s) :

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The above thesis / dissertation has been scanned for similarity detection. The report is as follows:

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Supervisor(s)

SELF DECLARATION

I, _____ bearing Roll No. _____ do hereby take oath and state (Points not applicable may be struck off).

1. That, I am registered for the academic programme _____ on the topic titled in the Department of _____ National Institute of Technology, Warangal.
2. That, the contents of my thesis/dissertation/work submitted to the National Institute of Technology Warangal for the award of degree are original and my own work, and is within the acceptable limit of plagiarism. I have checked the thesis/dissertation through a Plagiarism detection tool _____ approved by the Institute.
3. That, if, after checking, my thesis for plagiarism by the institute approved plagiarism checking software is found copied or comes under plagiarism, I will be solely responsible for it and institute may have the sole right to take suitable action.
4. That, the work has not been submitted by me for the award of other degree in any other University/Institute.
5. That, I shall be responsible for any legal dispute/case(s) for violation of any provisions relating to my thesis/work.

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Signature of the Candidate

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The content of the chapter no (s) _____ has/have been
published/accepted/communicated/to be communicated in

1.

2.

3.

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This/these published work has/have been included in the thesis/work and has not been submitted for
any degree to any other University/Institute.

Signed by :

Countersigned by:

Signature of the student

Signature of Supervisor (s)