



Minutes of 131st Meeting of the Senate

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

Meeting: 131st Senate Meeting

Venue: Senate Hall, NIT Warangal

Date: 12th March 2024

Time: 15:00 hrs

Minutes of 131st Meeting of the Senate held on 12th March 2024

Chairman

Prof. Bidyadhar Subudhi

Director, NIT Warangal

Secretary

Prof. N. V. Umamahesh

Registrar (I/c), NIT Warangal

Members:

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|----|----------------------------|----|----------------------------------|
| 1 | Prof. A. Sarath Babu | 34 | Prof. N. Kishore Babu |
| 2 | Prof. A. Venu Gopal | 35 | Prof. N. Narasaiah |
| 3 | Prof. A. Venu Vinod | 36 | Prof. N. Selvaraj |
| 4 | Prof. Arif Ali Baig Moghal | 37 | Prof. N.V. Umamahesh |
| 5 | Prof. Asit Kumar Khanra | 38 | Prof. P. Abdul Azeem |
| 6 | Prof. B. Sri Padmavati | 39 | Prof. P. Bangaru Babu |
| 7 | Prof. B.L. Narasimha Raju | 40 | Prof. P. Hari Krishna |
| 8 | Prof. C. Vanitha | 41 | Prof. P. Madhusudhana Reddy |
| 9 | Prof. Ch. Sudhakar | 42 | Prof. P. Sreehari Rao |
| 10 | Prof. Ch. Venkaiah | 43 | Prof. P. Sreenivasa Rao |
| 11 | Prof. D. Jayakrishna | 44 | Prof. P. Venkata Sri Laxmi |
| 12 | Prof. D. Kasinath | 45 | Prof. P. Venkata Suresh |
| 13 | Prof. D. Srinivasa Charya | 46 | Prof. P. Venkateswara Rao |
| 14 | Prof. D.V.S.S. Siva Sarma | 47 | Prof. P. Pispipati Radha Krishna |
| 15 | Prof. Debashis Dutta | 48 | Prof. Puli Ravi Kumar |
| 16 | Prof. Divi Haranath | 49 | Prof. R. Dayanidhi |
| 17 | Prof. G. Amba Prasad Rao | 50 | Prof. R. Padmavathy |
| 18 | Prof. G. Rajesh Kumar | 51 | Prof. R. Satish Babu |
| 19 | Prof. J.V. Ramana Murthy | 52 | Prof. R.B.V. Subrahmanyam |
| 20 | Prof. K. Anand Kishore | 53 | Prof. Rashmi Ranjan Rout |
| 21 | Prof. K. Kiran Kumar | 54 | Prof. Ravi Kumar Jatoth |
| 22 | Prof. K. Madhavi | 55 | Prof. S. Venkateswara Rao |
| 23 | Prof. K. Narasimhulu | 56 | Prof. Sonawane Shirish Hari |
| 24 | Prof. K. Thangaraju | 57 | Prof. Sourabh Roy |
| 25 | Prof. K. Venkata Reddy | 58 | Prof. Srikanth Korla |
| 26 | Prof. K.V. Gobi | 59 | Prof. T. Kishore Kumar |
| 27 | Prof. K.V. Sai Srinadh | 60 | Prof. T. Venkatappa Rao |
| 28 | Prof. L. Anjaneyulu | 61 | Prof. T.D. Gunneswara Rao |
| 29 | Prof. L. Krishnanand | 62 | Prof. V. Rajesh Khana Raju |
| 30 | Prof. M. Heera Lal | 63 | Prof. V. Ramana Murthy |
| 31 | Prof. M. Sailaja Kumari | 64 | Prof. V. Suresh Babu |
| 32 | Prof. Mahesh Kumar Talari | 65 | Prof. V.T. Somasekhar |
| 33 | Prof. N. Bheema Rao | 66 | Prof. Vangapandu Rama Devi |

- 67 Prof. Velagapudi Vasu
68 Prof. Venkaiah Chowdary

69 Prof. Vishnu Shanker

Special Invitees:

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

The following members could not attend the meeting:

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| 1 Prof. A. Veeresh Babu | 21 Prof. N. Viswanathan |
| 2 Prof. Adepu Kumar | 22 Prof. N.V. Srikanth |
| 3 Prof. Amit Prashant | 23 Prof. P. Ramlal |
| 4 Prof. Ashok K. Pradhan | 24 Prof. P. Ratish Kumar |
| 5 Prof. B. Lakshmi | 25 Prof. P. Ravi Kumar |
| 6 Prof. B. Sathish Ben | 26 Prof. P. Subhash Chandra Bose |
| 7 Prof. Bhagwan K. Murthy | 27 Prof. P. Syam Prasad |
| 8 Prof. C.S.P. Rao | 28 Prof. P. Vamsi Krishna |
| 9 Prof. C.S.R.K. Prasad | 29 Prof. R. Narasimha Rao |
| 10 Prof. D. Dinakar | 30 Prof. S. Anuradha |
| 11 Prof. D. Ramaseshu | 31 Prof. S. Srinath |
| 12 Prof. D. Vakula | 32 Prof. S. Srinivasa Rao (EE) |
| 13 Prof. G. Nagasrinivasulu | 33 Prof. S. Srinivasa Rao (ME) |
| 14 Prof. G.V.S. Nageswara Rao | 34 Prof. T.V.K. Hanumantha Rao |
| 15 Prof. Hari Ponnamma Rani | 35 Prof. V. Hari Kumar |
| 16 Prof. K. Madhu Murthy | 36 Prof. V. Venkata Mani |
| 17 Prof. K. Ramesh | 37 Prof. V.P. Chandra Mohan |
| 18 Prof. KNS Kasiviswanadham | 38 Prof. Venkatathri Narayanan |
| 19 Prof. M. Joseph Davidson | 39 Prof. Y. Ravi Kumar |
| 20 Prof. M. Chandrasekhar | |

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

The Chairman Senate welcomed the Senators, Special Invitees to the meeting.

2024-131-Senate-01	Student Representations
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Mr. Prashanth (21EEPJ048), a part-time Research Scholar (EE) was working as Assistant Professor in Gokaraju Rangaraju Institute of Engineering and Technology at the time of admission into the PhD program. Recently he joined BV Raju Institute of Technology, Hyderabad and also submitted NOC from BVRITH. He has made a request for allowing him to continue his studentship in PhD program. The DSC of the Scholar has recommended the request.

The Senate approved the request of Mr. Prashanth to continue his research.

2024-131-Senate-02	Action taken report on the decisions taken in 130 th Senate meeting
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Dean (Academic) has presented the action taken report on the decisions taken in 130th Senate meeting held on 14-02-2023.

The Senate noted down the action taken report.

2024-131-Senate-03	Confirmation of the minutes of 130th Senate meeting
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The minutes of the 130th Meeting of the Senate were circulated to all the Senators. The suggestions and corrections suggested were incorporated. The minutes are placed before the Senate for approval.

The Senate approved the minutes of the 130th Senate Meeting.

2024-131-Senate-03	Items for ratification
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Change of Supervisor/inclusion of Co-Supervisor

Sl. No.	Roll No.	Name of the Scholar	Existing Supervisor	Proposed Supervisor & Co-Supervisor
1	21CEFJ006	Guguloth Saikumar	Prof. Manish Pandey*	Prof. N.V. Umamahesh
2	21CER1P11	Shravan Kumar S.M.		Prof. Manish Pandey
3	21CEPJ012	Reshma Tabassum		Prof. G.V. Ramana

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

2024-131-Senate-04	Results of Ph.D. Viva Voce Examination
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The result of the following Ph.D. students who have been provisionally awarded degrees after 130th Senate meeting held on 14-02-2024 on approval of the Chairman, Senate is placed before the Senate for approval.

PhD Results		
1	Ms. P V Shalini	
	Department	CS
	Roll No.	717042
	Date of Viva-voce Examination	15.02.2024
	Foreign Examiner	Prof. Linga Reddy Cenkeramaddi (ACPS Group Leader), Department of ICT, University of Agder, Norway
	Indian Examiner	Prof. S.R. Balasundaram, Department of Computer Applications, NIT, Tiruchirappalli-620 015
	Supervisor(s)	Prof. S.G. Sanjeevi and Dr. V. Radha
	Thesis Title	Detection and Mitigation of DDoS Attacks in SDN using Statistical Techniques
	Mr. S Chand Rakesh Roshan	
	Department	PH
	Roll No.	719109
	Date of Viva-voce Examination	21.02.2024

2	Foreign Examiner	Prof. Nav Nidhi Rajput, Department of Materials Science and Chemical Engineering, Stony Brook University, New York, USA.
	Indian Examiner	Prof. Prathap Haridoss Dept. of Metallurgical and Materials Engineering IIT Madras Chennai 600036
	Supervisor(s)	Prof. R. Rakesh Kumar
	Thesis Title	Understanding Phonon Transport in Extended Solids Using First Principles Calculations
3	Mr. Pradeep Kumar Goud N	
	Department	EC
	Roll No.	717026
	Date of Viva-voce Examination	07.03.2024
	Foreign Examiner	Prof. Victor Lawrence, Stevens Institute of Technology, Department of Electrical Engineering, Hoboken, New Jersey, USA
	Indian Examiner	Prof. Indrajit Chakrabarti, Dept. of Electronics and Electrical Communication Engineering, IIT Kharagpur
	Supervisor(s)	Prof. B. Lakshmi
	Thesis Title	High Speed and Area-Time Efficient Finite GF(2m) Point Multiplication Architectures for Elliptic Curve Cryptographic Applications
4	Ms. Zade Anita Dnyanba	
	Department	CH
	Roll No.	718151
	Date of Viva-voce Examination	08.03.2024
	Foreign Examiner	Prof. Ajay Kumar Ray, Chemical and Biochemical Engineering, Western University, London, Ontario, Canada
	Indian Examiner	Prof. Kaushik Pal, Department of Mechanical and Industrial Engineering, IIT Roorkee.
	Supervisor(s)	Prof. Raghuraja Pandiyan Kuppusamy
Thesis Title	Development of an Effective Multi objective Optimization Strategy for the Manufacturing Of Resin Transfer Moulded Composite Parts	

The Senate approved the results.

2024-131-Senate-05	Academic Review
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The recommendations of the Academic Review Committee on the revised Curricula and Academic Regulations have been presented in the Senate by the Dean (Academic). The proposed UG and PG Curricula are shown below:

1. UG (B.Tech) Curriculum:

1 st Semester and 2 nd Semester				
S. No	1 st Semester	2 nd Semester	L-T-P	Credits
1	Maths-I	Maths-II	3-0-0	3 + 3

2	Physics / Chemistry / Basic Science Course/Engineering Science Course	Physics / Chemistry / Basic Science Course/Engineering Science Course	3-1-2	5 + 5
3	[Basic Electrical & Electronics Engg. / Basic Mechanical Engg. / Materials Science & Engineering or any other ESC] / [English for Technical Communication]	[Basic Electrical & Electronics Engg. / Basic Mechanical Engg. / Materials Science & Engineering or any other ESC] / [English for Technical Communication]	3-0-0/2-0-2	3 + 3
4	[Engineering Drawing / Engineering Mechanics or any other ESC] / [Data Structures and Algorithms]	[Engineering Drawing / Engineering Mechanics or any other ESC] / [Data Structures and Algorithms]	1-0-4/3-0-0	3 + 3
5	Design Thinking / Biology	Design Thinking / Biology	0-1-4/3-0-0	3 + 3
6	Data Structures and Algorithms lab / [Engineering Workshop Practice / Engineering Computation Lab or ESC lab]	Data Structures and Algorithms lab / [Engineering Workshop Practice / Engineering Computation Lab or ESC lab]	0-1-2	2 + 2
7	-----	Program Core – I	3-0-0	0 + 3
8	MNC (Games & Sports / Yoga & Wellness)	MNC (Games & Sports / Yoga & Wellness)	0-0-0	0
Total Credits				19 + 22

3 rd Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Mathematics - III	3-0-0	3
2	Dept. Code XXXX	Program Core - II	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core - III	3(4)-0-0	3 (4)
4	Dept. Code XXXX	Program Core - IV	3-0-0	3
5	Dept. Code XXXX	Program Core - V	3-0-0	3
6	Dept. Code XXXX	Laboratory - I	0-1-2	2
7	Dept. Code XXXX	Laboratory - II	0-1-2	2
Total Credits				19 - 21

4 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Management Studies /HS Program Core - VI	3-0-0	3
2	Dept. Code XXXX	Program Core - VI	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core - VII	3(4)-0-0	3 (4)
4	Dept. Code XXXX	Program Core - VIII	3-0-0	3
5	Dept. Code XXXX	Program Core - IX	3-0-0	3
6	Dept. Code XXXX	Laboratory - III	0-1-2	2
7	Dept. Code XXXX	Laboratory - IV	0-1-2	2
Total Credits				19-21

5 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - X / Management Studies	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core - XI	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core - XII	3-0-0	3
4	Dept. Code XXXX	Program Core - XIII	3-0-0	3
5	Dept. Code XXXX	Professional Elective - I	3-0-0	3
6	Dept. Code XXXX	Fractal Course-I	1-0-0	0.5
7	Dept. Code XXXX	Laboratory - V	0-1-2	2
8	Dept. Code XXXX	Laboratory - VI	0-1-2	2
Total Credits				19.5 - 21.5

6 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - XIV	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core - XV	3-0-0	3
3	Dept. Code XXXX	Professional Elective - II	3-0-0	3
4	Dept. Code XXXX	Professional Elective - III	3-0-0	3
5	Dept. Code XXXX	Product Development	0-1-4	3
6	Dept. Code XXXX	Fractal Course - II	1-0-0	0.5
7	Dept. Code XXXX	Laboratory - VII	0-1-2	2
8	Dept. Code XXXX	Laboratory - VIII	0-1-2	2
Total Credits				19.5 - 20.5

7 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - XVI	3-0-0	3
2	Dept. Code XXXX	Professional Elective - IV	3-0-0	3
3	Dept. Code XXXX	Professional Elective - V	3-0-0	3

4	Dept. Code XXXX	Open Elective-I	2-0-0	2
5	Dept. Code XXXX	Laboratory - IX	0-0-2	1
6	Dept. Code XXXX	Laboratory - X	0-0-2	1
7	Dept. Code XXXX	Seminar & Technical Writing	0-0-0	2
8	Dept. Code XXXX	Minor Project	0-0-0	2
9	Dept. Code XXXX	Short Term Industrial / EPICS / Research Experience*	0-0-0	2
Total Credits				18 + 1

8th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Professional Elective - VI	3-0-0	3
2	Dept. Code XXXX	Professional Elective - VII	3-0-0	3
3	Dept. Code XXXX	Professional Elective – VIII / Open Elective-II /I.E.	3-0-0	3
4	Dept. Code XXXX	Major Project	0-0-0	6
Total Credits				15

2. M.Tech Curriculum:

1st Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - I	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core - II	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core - III	3-0-0	3
4	Dept. Code XXXX	Professional Elective - I	3-0-0	3
5	Dept. Code XXXX	Professional Elective - II	3-0-0	3
6	Dept. Code XXXX	Laboratory - I	0-1-2	2
7	Dept. Code XXXX	Laboratory - II	0-1-2	2
Total Credits				19 - 21

2nd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - IV	3(4)-0-0	3 (4)

2	Dept. Code XXXX	Program Core - V	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Professional Elective - III	3-0-0	3
4	Dept. Code XXXX	Professional Elective - IV	3-0-0	3
5	Dept. Code XXXX	Professional Elective - V	3-0-0	3
6	Dept. Code XXXX	Laboratory - III	0-1-2	2
7	Dept. Code XXXX	Laboratory - IV	0-1-2	2
8	Dept. Code XXXX	Minor Project	0-0-0	2
Total Credits				21 - 23

3 rd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Seminar and Technical Writing	0-0-0	2
2	Dept. Code XXXX	Comprehensive Viva-Voce	0-0-0	2
3	Dept. Code XXXX	Semester Internship & Dissertation: Part-A	0-0-0	4 + 4
4	Dept. Code XXXX	Summer Internship / Research Experience (SIRE)	0-0-0	2
Total Credits				14

4 th Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Semester Internship and/ or Dissertation: Part-B	0-0-0	6 + 6
Total Credits				12

3. Integrated MSc Curriculum:

1 st Semester and 2 nd Semester						
S. No.	1 st Semester		2 nd Semester		L-T-P	Credits
	Course Code	Course Title	Course Code	Course Title		
1	Code XXXX	Mathematics - I	Code XXXX	Mathematics – II	3-0-0 / 3-0-0	3 + 3
2	Code XXXX	Physics - I	Code XXXX	Physics - II	4-0-0 / 3-0-0	3+ 3

3	Code XXXX	General Chemistry	Code XXXX	Organic Chemistry – I	4-0-0 / 3-0-0	3+ 3
4	Code XXXX	English – I	Code XXXX	English – II	2-0-2 / 2-0-2	3 + 3
5	Code XXXX	Physics - I Lab	Code XXXX	Physics - II Lab	0-1-2 / 0-1-2	2 + 2
6	Code XXXX	General Chemistry Lab-I	Code XXXX	General Chemistry Lab – II	0-1-2 / 0-1-2	2 + 2
7			Code XXXX	Telugu / Sanskrit / Hindi / Any language	0-1-2 / 2-0-2	0 + 3
8	Code XXXX	EAA / Wellness	Code XXXX	EAA / Wellness	0-0-2 / 0-0-2	0 + 0
Total Credits						16 + 19

3 rd Semester				
S. No.	Course Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Mathematics – III	3-1-0	4
2	Dept. Code XXXX	Mathematics – IV	3-1-0	4
3	Dept. Code XXXX	Physics – III	3-0-0	3
4	Dept. Code XXXX	Inorganic Chemistry – I	3-0-0	3
5	Dept. Code XXXX	Physical Chemistry – I	3-0-0	3
6	Dept. Code XXXX	Physics Lab	0-1-2	2
7	Dept. Code XXXX	Inorganic Chemistry Lab	0-1-2	2
Total Credits				21

4 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Mathematics - V	3-1-0	4
2	Dept. Code XXXX	Mathematics - VI	4-0-0	4
3	Dept. Code XXXX	Physics - IV	3-0-0	3
4	Dept. Code XXXX	Physics - V	3-0-0	3
5	Dept. Code XXXX	Organic Chemistry - II	3-0-0	3
6	Dept. Code XXXX	Physics Lab	0-1-2	2
7	Dept. Code XXXX	Organic Chemistry Lab	0-1-2	2
Total Credits				21

5 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Mathematics – VII	3-1-0	4
2	Dept. Code XXXX	Physics – VI	3-0-0	3
3	Dept. Code XXXX	Physics – VII	3-0-0	3
4	Dept. Code XXXX	Inorganic Chemistry – II	3-0-0	3
5	Dept. Code XXXX	Physical Chemistry – II	3-0-0	3
6	Dept. Code XXXX	Physics Lab	0-1-2	2
7	Dept. Code XXXX	Physical Chemistry Lab	0-1-2	2
Total Credits				20

6 th Semester				
S. No.	Sub. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Mathematics-VIII	4-0-0	4
2	Dept. Code XXXX	Program Elective-I (Maths)	4-0-0	4
3	Dept. Code XXXX	Program Elective-II (Physics)	3-0-0	3
4	Dept. Code XXXX	Program Elective-III (Chemistry)	3-0-0	3
5	Dept. Code XXXX	Seminar & Technical Writing	1-0-0	1
6	Dept. Code XXXX	Minor Project	0-0-4	2
Total Credits				17

4. Curriculum for MSc (2 Year Program) common with Integrated MSc (4th and 5th Years)

1 st Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – I	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core – II	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core – III	3-0-0	3
4	Dept. Code XXXX	Program Core – IV	3-0-0	3
5	Dept. Code XXXX	Professional Elective - I	3-0-0	3

6	Dept. Code XXXX	Laboratory – I	0-1-2	2
7	Dept. Code XXXX	Laboratory – II	0-1-2	2
Total Credits				19 - 21

2 nd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – V	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core – VI	3(4)-0-0	3 (4)
3	Dept. Code XXXX	Program Core – VII	3-0-0	3
4	Dept. Code XXXX	Professional Elective – II	3-0-0	3
5	Dept. Code XXXX	Professional Elective – III	3-0-0	3
6	Dept. Code XXXX	Laboratory – III	0-1-2	2
7	Dept. Code XXXX	Laboratory – IV	0-1-2	2
Total Credits				19 - 21

3 rd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – VIII	3(4)-0-0	3 (4)
2	Dept. Code XXXX	Program Core – IX	3-0-0	3
3	Dept. Code XXXX	Professional Elective – IV	3-0-0	3
4	Dept. Code XXXX	Professional Elective – V	3-0-0	3
5	Dept. Code XXXX	Laboratory – V	0-1-2	2
6	Dept. Code XXXX	Laboratory – VI	0-1-2	2
7	Dept. Code XXXX	Seminar & Technical Writing-I	0-0-0	2
8	Dept. Code XXXX	Short term Industrial / Research Experience	0-0-0	2
Total Credits				20 - 21

4 th Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Professional Elective – VI	3-0-0	3
2	Dept. Code XXXX	Professional Elective – VII	3-0-0	3
3	Dept. Code XXXX	Comprehensive Viva-Voce	0-0-0	2
4	Dept. Code XXXX	Dissertation	0-0-0	8

Total Credits	16
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5. Curriculum for MBA

1 st Semester				
S. No.	Sub Code.	Subjects	L-T-P	Credits
1	Dept. Code XXXX	Program Core - I	3-0-0	3
2	Dept. Code XXXX	Program Core - II	3-0-0	3
3	Dept. Code XXXX	Program Core - III	3-0-0	3
4	Dept. Code XXXX	Program Core - IV	3-0-0	3
5	Dept. Code XXXX	Program Core - V	3-0-0	3
6	Dept. Code XXXX	Program Core - VI	3-0-0	3
7	Dept. Code XXXX	Laboratory - I	0-1-2	2
8	Dept. Code XXXX	Professional Etiquette and writing	0-1-2	2
Total Credits				22

2 nd Semester				
S. No.	Sub Code.	Subjects	L-T-P	Credits
1	Dept. Code XXXX	Program Core - VII	3-0-0	3
2	Dept. Code XXXX	Program Core - VIII	3-0-0	3
3	Dept. Code XXXX	Program Core - IX	3-0-0	3
4	Dept. Code XXXX	Program Core - X	3-0-0	3
5	Dept. Code XXXX	Program Core - XI	3-0-0	3
6	Dept. Code XXXX	Laboratory - II	0-1-2	2
7	Dept. Code XXXX	Laboratory - III	0-1-2	2
8	Dept. Code XXXX	Laboratory - IV	0-1-2	2
TOTAL				21 [#] + 1*

3 rd Semester				
S. No.	Subject Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core - XII	2-0-0	2
2	Dept. Code XXXX	Program Core - XIII	2-0-0	2
3	Dept. Code XXXX	Program Core - XIV	2-0-0	2

4	Dept. Code XXXX	Program Elective-I	3-0-0	3
5	Dept. Code XXXX	Program Elective-II	3-0-0	3
6	Dept. Code XXXX	Program Elective-III	3-0-0	3
7	Dept. Code XXXX	Program Elective-IV	3-0-0	3
8	Dept. Code XXXX	Comprehensive Viva-Voce	0-0-0	2
9	Dept. Code XXXX	Summer Internship and Industry Exposure	0-0-0	2
Total Credits				22

4 th Semester				
S. No.	Subject Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Professional Elective-V	3-0-0	3
2	Dept. Code XXXX	Professional Elective-VI	3-0-0	3
3	Dept. Code XXXX	Professional Elective-VII	3-0-0	3
4	Dept. Code XXXX	Professional Elective-VIII	3-0-0	3
5	Dept. Code XXXX	Project Work	0-0-0	4
Total Credits				16

6. Curriculum for MCA

1 st Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Maths-Statistics	3-0-0	3
2	Dept. Code XXXX	Program Core – I	3/4-0-0	3 / 4
3	Dept. Code XXXX	Program Core – II	3-0-0	3
4	Dept. Code XXXX	Program Core – III	3-0-0	3
5	Dept. Code XXXX	Program Core – IV	3-0-0	3
6	Dept. Code XXXX	Laboratory – I	0-1-2	2
7	Dept. Code XXXX	Laboratory – II	0-1-2	2
Total Credits				19 - 20

2 nd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Management Studies	3-0-0	3

2	Dept. Code XXXX	Program Core – V	3/4-0-0	3 / 4
3	Dept. Code XXXX	Program Core – VI	3-0-0	3
4	Dept. Code XXXX	Program Core – VII	3-0-0	3
5	Dept. Code XXXX	Program Core – VIII	3-0-0	3
6	Dept. Code XXXX	Laboratory – III	0-1-2	2
7	Dept. Code XXXX	Laboratory – IV	0-1-2	2
Total Credits				19 - 20

3 rd Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – IX	3/4-0-0	3 / 4
2	Dept. Code XXXX	Program Core – X	3-0-0	3
3	Dept. Code XXXX	Program Core – XI	3-0-0	3
4	Dept. Code XXXX	Professional Elective – I	3-0-0	3
5	Dept. Code XXXX	Professional Elective – II	3-0-0	3
6	Dept. Code XXXX	Laboratory – V	0-0-2 / 0-1-2	1 / 2
7	Dept. Code XXXX	Laboratory – VI	0-0-2 / 0-1-2	1 / 2
Total Credits				17 - 20

4 th Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – XII	3/4-0-0	3 / 4
2	Dept. Code XXXX	Program Core – XIII	3-0-0	3
3	Dept. Code XXXX	Program Core – XIV	3-0-0	3
4	Dept. Code XXXX	Professional Elective – III	3-0-0	3
5	Dept. Code XXXX	Professional Elective – IV	3-0-0	3
6	Dept. Code XXXX	Laboratory – VII	0-0-2 / 0-1-2	1 / 2
7	Dept. Code XXXX	Laboratory – VIII	0-0-2 / 0-1-2	1 / 2
Total Credits				17 - 20

5 th Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Program Core – XV	3/4-0-0	3 / 4
2	Dept. Code XXXX	Program Core – XVI	3-0-0	3
3	Dept. Code XXXX	Professional Elective – V	3-0-0	3
4	Dept. Code XXXX	Professional Elective – VI	3-0-0	3
5	Dept. Code XXXX	Professional Elective – VII	3-0-0	3
6	Dept. Code XXXX	Laboratory – IX	0-0-2 / 0-1-2	1 / 2
7	Dept. Code XXXX	Comprehensive Viva-Voce	0-0-0	2
8	Dept. Code XXXX	Short Term Industrial / Research Experience*	0-0-0	2
Total Credits				20 - 22

6 th Semester				
S. No.	Subj. Code	Subject	L-T-P	Credits
1	Dept. Code XXXX	Seminar & Technical Writing	0-0-0	2
2	Dept. Code XXXX	Dissertation	0-0-0	12
Total Credits				14

7. Curriculum for MSc (Tech) Engineering Physics

1 st Semester				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Program Core – I	3-0-0	3
2	Dept. Code XXXX	Program Core – II	3-0-0	3
3	Dept. Code XXXX	Program Core – III	3-0-0	3
4	Dept. Code XXXX	Program Core – IV	3-0-0	3
5	Dept. Code XXXX	Program Core - V	4-0-0	4
6	Dept. Code XXXX	Laboratory – I	0-1-2	2
7	Dept. Code XXXX	Laboratory – II	0-1-2	2

Total Credits	20
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2 nd Semester				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Program Core – VI	3-0-0	3
2	Dept. Code XXXX	Program Core – VII	3-0-0	3
3	Dept. Code XXXX	Program Core – VIII	3-0-0	3
4	Dept. Code XXXX	Program Core – IX	3-0-0	3
5	Dept. Code XXXX	Program Core – X	3-0-0	3
6	Dept. Code XXXX	Laboratory – III	0-1-2	2
7	Dept. Code XXXX	Laboratory – IV	0-1-2	2
8	Dept. Code XXXX	Seminar and Technical Writing– I	0-0-0	1
Total Credits				20

3 rd Semester				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Program Core – XI	3-0-0	3
2	Dept. Code XXXX	Program Core – XII	3-0-0	3
3	Dept. Code XXXX	Program Core – XIII	3-0-0	3
4	Dept. Code XXXX	Program Core – XIV	3-0-0	3
5	Dept. Code XXXX	Program Core – XV	3-0-2	4
6	Dept. Code XXXX	Laboratory – V	0-1-2	2
7	Dept. Code XXXX	Laboratory – VI	0-1-2	2
Total Credits				20

4 th Semester (Electronics & Instrumentation / Photonics)				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Program Core – XVI	3-0-0	3
2	Dept. Code XXXX	Program Core – XVII	3-0-0	3
3	Dept. Code XXXX	Program Core – XVIII	3-0-0	3
4	Dept. Code XXXX	Professional Elective – I	3-0-0	3

5	Dept. Code XXXX	Professional Elective – II	3-0-0	3
6	Dept. Code XXXX	Laboratory – VII	0-1-2	2
7	Dept. Code XXXX	Laboratory – VIII	0-1-2	2
8	Dept. Code XXXX	Fractal Course - I	0-0-0	1
Total Credits				20

5 th Semester (Electronics & Instrumentation / Photonics)				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Program Core – XIX	3-0-0	3
2	Dept. Code XXXX	Program Core – XX	3-0-0	3
3	Dept. Code XXXX	Professional Elective – III	3-0-0	3
4	Dept. Code XXXX	Professional Elective – IV	3-0-0	3
5	Dept. Code XXXX	Professional Elective – V	3-0-0	3
6	Dept. Code XXXX	Laboratory – IX	0-1-2	2
7	Dept. Code XXXX	Laboratory – X	0-1-2	2
8	Dept. Code XXXX	Comprehensive Viva-Voce	0-0-0	2
Total Credits				21

6 th Semester (Electronics & Instrumentation / Photonics)				
S. No.	Course Code	Course Title	L-T-P	Credits
1	Dept. Code XXXX	Dissertation	0-0-0	14
Total Credits				14

Academic Regulations:

- Evaluation (common to UG, PG & PhD)

Letter Grade	S	A	B	C	D	P	U
Grade Point	10	9	8	7	6	5	3

The total marks obtained in a course can be used as a reference for awarding grades as mentioned in the following Table:

Letter Grade	S	A	B	C	D	P	U
Marks	90-100	80-89	70-79	60-69	50-59	40-49	< 40

However, if the faculty feels, he/she can lower the maximum mark by 10 in different ranges mentioned in the above table.

- **Attendance (common to UG, PG and PhD)**

In addition to the existing allowances, it is proposed to extend 15% relaxation on medical grounds / calamity in the family. Proper guidelines shall be formulated to prevent any misuse of this request. Some of the documents mentioned as follows: Requiring Hospitalization (minimum 3 days), submission of the case sheet, proof of medical bills, proof of payment of Hospital bill etc.

- **Award of Class (common to UG & PG)**

First Division with Distinction: A student who has passed all the courses with P or higher, without securing R, X, or U Grades during the period of study and with a CGPA of 8.00 and above

First Division: A student failing to satisfy the above, even if he/she gets a CGPA of 8.00 or more or A student with a CGPA of 6.50 and above but less than 8.00

Second Division: A student with a CGPA more than 5.00 and less than 6.50

- **Promotion Rules (UG)**

Existing promotion rules may be continued with the following modifications:

Minimum credits to be earned in a year for promotion to next year may be redefined as follows: The student has to complete 60% of the credits in a given year. Mandatory Non-credit courses such as Induction Program, EAA-1 and EAA-2 or any other MNCs are not linked with promotion rules.

- **Slow learners (UG)**

If a student of 1st semester gets an SGPA < 4.50 or a student of any other semester scores CGPA < 4.50 for two consecutive semesters, the parents/guardians must visit the institute and promise to monitor and counsel their child.

A student of 3rd or higher semesters will be permitted to register in the next higher semester only in slow pace.

If at the end of 3rd consecutive semester of poor performance, a student still fails to improve CGPA > 5.00, he/she may still be permitted to register with following restrictions (only if the CGPA has improved over the previous semester):

- The student will enrol only in the Backlog, R and P grade courses with no new course of current semester.
- A student will be compulsorily put in slow pace, if he/she secures CGPA < 4.50 in any two consecutive semesters.
- He/she will be allowed to take maximum 3 theory and all lab courses in a semester if time table permits.
- He/she has to secure CGPA ≥ 5.00 at the close of a semester to qualify for normal course load.

- **Makeup Examinations (UG & PG)**

- Makeup exams will be conducted once in an academic year, during summer.
- A student may appear in the Makeup examination for the courses in which he / she has obtained "U" grade.
- The internal marks already secured by a student in that course will be taken into account for finalizing the grade and the same cut-off used earlier shall be applicable.
- Students with P Grade may be permitted to register for Makeup examination (only once at the earliest occasion) to improve his/her CGPA.
- Students with U grade can also register for summer courses, if offered.

- **Minor/Honors Program (UG)**

A student has to earn a minimum of 15 credits with 5 courses, as prescribed by that Department to earn minor/Honors specialization.

- **Degree Requirement (UG)**

A student shall fulfil the following for the award of the B.Tech. degree:

- Credit Requirements: Minimum Earned Credit Requirements for the award of Degree is 150 - 158 with a CGPA of not less than 5.00
- A student shall also complete the specified Mandatory Non-Credit courses: Induction Program and EAA-1 and 2 satisfactorily.
- The minimum duration is FOUR academic years.
- The maximum duration is EIGHT academic years.
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- **Degree Requirement (Integrated MSc program)**

A student shall fulfil the following for the award of the Int. MSc. degree:

- Credit Requirements: Minimum Earned Credit Requirements for the award of Degree is 188 - 193 with a CGPA of not less than 5.00
- A student shall also complete the specified Mandatory Non-Credit courses: Induction Program and EAA-1 & 2 satisfactorily.
- The minimum duration is FIVE academic years.
- The maximum duration is EIGHT academic years.

- **Degree Requirement (PG/PhD)**

A student shall fulfil the following for the award of the M.Tech/MSc/MSc (Tech)/MBA/MCA degree:

- Credit Requirements: Minimum Earned Credit Requirements for the award of Degree is 64-68 / 74-79 / 112-118 / 80-85 / 112-118 respectively with a CGPA of not less than 5.00.
- The minimum duration is TWO/THREE academic years
- The maximum duration is twice that of the minimum period.
- The maximum duration for PhD program is EIGHT years

- **SWAYAM/NPTEL courses (UG, PG and PhD)**

- Students are permitted to register for SWAYAM-NPTEL courses approved as Program Elective / Open Elective courses / Self-study courses (PhD).
- A student shall only request for transfer of credits from such notified SWAYAM-NPTEL Courses approved by the concerned Departments/DSC.
- The credit equivalence for SWAYAM-NPTEL Courses:
 - 12 weeks – 3credits;
 - 8 weeks – 2 credits;
 - 4 weeks – 1 credit

- **Summer courses (UG)**

Summer course (7 weeks) may be offered, if the no. of students in that course with U grade is more than 10.

- When a summer course is offered, it will be compulsory for all students with 'U' grade to register in that course.
- Students with CGPA < 5.00 may be permitted to register for the Summer Course to improve their grades. The higher of the two grades will be retained.
- The Summer Course will be offered only for 1st year and 2nd year courses.
- The Grade earned by the student in summer courses shall be reduced by one grade except for P grade.
- Eligibility for summer courses:
Students who have
 - taken the course in a regular semester,
 - satisfactory attendance record, and
 - appeared both in mid-semester and end semester examinations but failed

- **Integrated M.Tech (B.Tech – M.Tech)**

The integrated M. Tech. degree program is a five year program derived by full integration of B. Tech. and M. Tech. programs in the respective discipline.

- B Tech students of NIT Warangal, having a CGPA > 8.00 (Open/OBC) / 7.50 (SC/ST/PWD) at the end of 6th semester are eligible for Integrated M.Tech with 5 years duration
- During 7th, 8th, 9th and 10th semesters students shall register a mix of B. Tech. and M. Tech. courses so as to complete all the credit requirements within five year time.
- Integrated M. Tech. degree students shall earn a minimum of 190-200 Credits.
- The student shall be given an exit option at the end of FOURTH year.
- After completion of FIVE years, the student shall be awarded both B.Tech and M.Tech Degrees.
- Students doing Honors are permitted to opt for M.Tech. in the relevant specialization based on the courses taken in Honors.
- The credits earned in Honors will be transferred.
- They need not do a project as part of their B.Tech. However, they are required to carry out M.Tech. Dissertation in 9th and 10th semesters on par with regular M.Tech students.

- They have to complete all the core courses of B.Tech and study a few more courses from the respective M.Tech. Specialization as suggested by the department to earn the minimum credits.
 - Students, who are in their V year with GATE qualification will be paid stipend on par with regular M.Tech students.
 - A maximum of 5 seats may be permitted in a specialization.
- **B.Tech – PhD**
 - B.Tech. students from reputed CFTIs, having a CGPA more than 8.00 (Open/OBC) / 7.50 (SC/ST/PWD) are eligible for Full Time Ph.D.
 - The student has to complete 18 credits of course work.
 - All the other regulations are same as that of Full-Time PhD scholars.
- **Integrated PhD (PG – PhD)**
 - PG students of NIT Warangal with a CGPA more than 8.00 (Open/OBC) / 7.50 (for SC/ST/PWD) at the end of first year are eligible for Full Time Ph.D.
 - The student shall be given the exit option at the end of two years.
 - The student has to complete 15 credits after getting enrolled into Ph.D.
 - The selection of the student is based on the merit in the written test and the interview conducted by the department.
 - All the other regulations are same as that of Full-Time PhD scholars.
 - A maximum of 25% seats may be allotted from the quota of the Ph.D. fellowships allotted to the department.

The Senate approved the proposals presented by Dean (Academic) with regard to (i) Curricula for UG and PG Programs and (ii) Academic regulations.

2024-131-Senate-06	Guidelines for award of the best UG Project, PG Dissertation and PhD Thesis
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Due to paucity of time, this item is deferred for discussion in the next Senate.

2024-131-Senate-07	Feedback forms
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Due to paucity of time, this item is deferred for discussion in the next Senate.

2024-131-Senate-08	Any other Item
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1. The DSC of Ms. V. Kavitha, Full time research scholar of CH (Roll No. 23CHR1R08), has recommended to cancel her admission on the basis of unauthorized absence.

The Senate approved the recommendation to cancel the admission.

2. Mr. Rafaque Ahmad, a full time Research Scholar of the Department of ME (Roll No. 717120) has made a request for conversion of his research work from full time to part time. He has completed six years and not receiving any fellowship. The DSC recommends that work on his thesis can be carried out remotely as the research problem is computational in nature.

The Senate in principle approved the request.

3. The Department of Chemistry proposed to include B.Pharm and M.Pharm (Medicinal Chemistry, Pharmacology, Pharmaceutics and Pharmacognosy) students with GPAT score as eligible for admission into PhD program in Chemistry in addition to the existing criteria.


The Senate approved the proposal. As the admission notification for July, 2024 session has already been issued, the inclusion will be effective from December, 2024 session.

4. Prof. DVSS Siva Sarma, Chairman of New Academic programs is requested to present a report to Senate on the possibility of closure of MCA program with replacement of a new B.Tech program in the Department of CS in consultation with the Department and Academic Review Committee.
5. The Senate approved the request of Prof. K. Kiran Kumar, Professor In-charge, Examinations, not to issue the rank certificate to any student as a policy. The Senate also decided that PwD students shall be exempted from Extra Academic Activity.

The meeting ended with thanks to the Chair and Senators.



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



Prof. A. Sarath Babu
Dean (Academic)



Prof. Bidyadhar Subudhi
Director & Chairman