

# ELECTRONICATION



Industry Integrated Curriculum

## • Institute Vision

To promote societal empowerment and become an institution of excellence in the field of engineering education, research.

## • Institute Mission

- To develop the students into outstanding professionals through innovative Teaching-Learning process.
- To uphold research through long term Academia-Industry interaction.
- To inculcate ethical standards and moral values.

## ● Vision of the Department

To become recognized forerunner in Electronics and Communication Engineering by producing competent and responsible graduates.

## ● Mission of the Department

- To prepare technically competent graduates by establishing a conducive learner centric academic environment that uses innovative teaching learning processes
- To create research interests in the graduates by bringing in real time engineering challenges through industry collaborations
- To make the graduates socially responsible citizens who provide sustainable solutions maintaining ethical and professional standards

**"Intellectual growth should commence at birth and cease only at death."**

**Albert Einstein**

[Read More on our website](#)

# Events at a Glance...

## Womens's d ay celebrations



### Annual Day celebrations

NSRIT proudly celebrated its XIII Annual Day with great enthusiasm and grandeur. The event was held on [insert date], at the college campus, drawing participation from students, faculty, parents, and esteemed guests..The celebration commenced with a warm welcome address by the Principal, followed by an inspiring speech from the Chief Guest, who highlighted the importance of holistic education and innovation in today’s rapidly evolving world. The Management extended its appreciation to the students and faculty for their continuous efforts toward academic and extracurricular excellence.



### Publications

- T. Roshitha, Sekhar. J, K. Dinesh Kumar, Y. Ramesh, V. Manoj Kumar and B. Siva Prasad” IoT Enhanced Smart Aeroponics System ” International Journal for Research in Applied Science & Engineering Technology (IJRASET)ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 12 Issue V May 2024.
- P. Srivalli, N. Sandeep, P. Yaksha Sai, S. Govardhan, S. Dinesh Kumar and B. Ravichandra, ” Design and Implementation of a Portable Cardiopulmonary Resuscitation Device” International Journal of Recent Advances in Multidisciplinary Topics Volume 5, Issue 5, May 2024.
- M. Dharani Sree, Y. Deepika Priya, R. Vamsi Krishna, S. D. Satya Mahadev, P. Dharma Teja and M. V. S. Roja Ramani, ”IOT Based Remoting and Monitoring of Solar Power” International Journal of Research Publication and Reviews, Vol 5, no 5, pp 547-554 May 2024.
- U. Chandra Mouli, M. Namratha, N. Rahim Kumar, U. Teja, P. Venkata Kalyan and Virender Singh,” Coal Mine Worker Safety Monitoring And Alerting System Using IoT Technology” International Journal Of Progressive Research In Engineering Management and Science, Vol. 04, Issue 05, May 2024, pp: 1111 1114.
- M. Avinash, R Niharika Lakshmi, N. Vishnu Vardhan, N. K. S. Preetham Reddy, S. Lahari and K Rajasekhar,” RID-Based Autonomous Robot” International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 12, Issue 5, May-2024.
- Y. Neeraj Kumar, P. Gayathri, P. Rohit Reddy, M. Kiran, P. Sravani Mrs. B. N. S. Rani,” Rocker Bogie Robot” IJARIE-ISSN(O)-2395-4396, Vol-10 Issue-3 2024.
- N. Ramya, R. Sai Lavanya, R. Navya Jyothi, M. Teja, N. Litish and K. Rajasekhar,” ESP 32 Cam Pan Tilt Surveillance Spider Robot” International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 04 | April - 2024
- T. V.Sai Sarojini ,R. Harika , S.Janakirama Lakshmi , K. Sai Sruthi , Md. Shakeer and A.Vijaya Sri, ”IoT Controlled Led Notice Board” International Scientific Journal of Engineering and Management ISSN: 2583-6129 Volume: 03 Issue: 04 | April - 2024.
- . P.Sravani, S.Durga Venkata Mohan, P.Deepthi, N.Teja and Virender Singh, ”Smart Solider Jacket” IJARIE-ISSN(O)-2395-4396 ,Vol-10 Issue-3 2024.

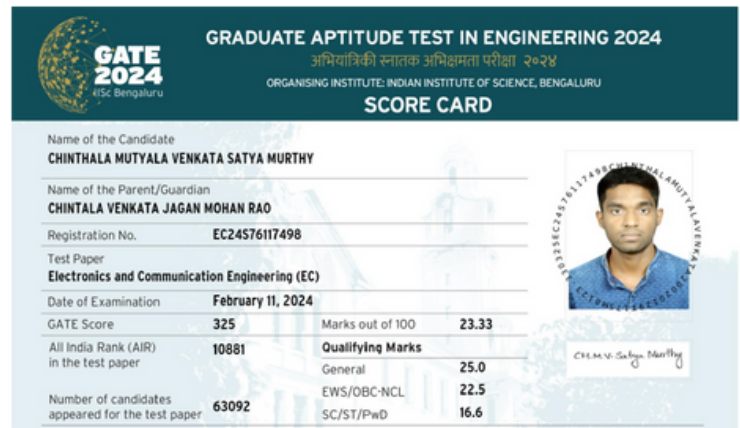
### Publications

- L. Renuka Sowjanya<sup>1</sup> , T.Homesh , P. Dhanunjaya Rao , T. Komali , N. Ravindra Varma and G. Durga Prasad, "IoT Enabled Smart Spirometer for Health Monitoring" International Journal of Research Publication and Reviews, Vol 5, no 5, pp 129-133, May 2024.
- P. Chetan Vikas, L. Rithika Patnaik, S. Stanly Y. Pujitha, T. Divya Sree and Y.H.D. Aparna, "IoT Enabled Smart Aquarium For Monitoring Through Sensors" International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 08 Issue: 05 | May - 2024.
- . B. Ravi Kiran , S. Padmini Rani, S. Venkatesh, Y. Chandra Kanth, M. Sasank Sai krishna and B. Siva Prasad, "Metal Detector Robot Using Surveillance Camera" International Journal of Research Publication and Reviews, Vol 5, no 5, pp 6370 6375 May 2024.
- N.Y.S. Karthik, S.Prem Kumar, S.Tanuja, N.V.S. Kala Praneetha, M.Jnanendra and B.Ravichandra, "RFID Based Electronic Voting Machine Using OTP and BIO-Metric Verification" International Journal of Scientific Research and Engineering Development-- Volume 7 Issue 3, May-June 2024.
- Virender Singh, Amandeep Singh, K. Rajasekhar, Amaleswari Rajulapati, Ravichandra Bandi, B. Siva Prasad and Vijay Kumar, "Analytical and numerical analysis of high-g acceleration threshold sensor", AIP Conference Proceedings, ICASSCT organized by Goa University, 2024 (Accepted, Scopus Indexed)



## Student Level Achievements/Recognitions

- "We are proud to announce that three of our students have successfully qualified in the prestigious GATE 2024 examination, demonstrating their academic excellence and dedication. This remarkable achievement reflects the high standards of education and mentorship provided at NSRIT."



**GRADUATE APTITUDE TEST IN ENGINEERING 2024**  
 अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४  
 ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

**SCORE CARD**

Name of the Candidate: **CHINTHALA MUTYALA VENKATA SATYA MURTHY**

Name of the Parent/Guardian: **CHINTALA VENKATA JAGAN MOHAN RAO**

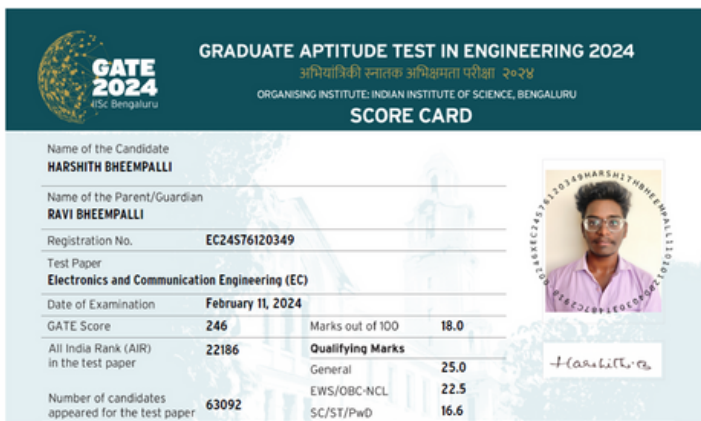
Registration No.: **EC24576117498**

Test Paper: **Electronics and Communication Engineering (EC)**

Date of Examination: **February 11, 2024**

GATE Score	<b>325</b>	Marks out of 100	<b>23.33</b>
All India Rank (AIR) in the test paper	<b>10881</b>	Qualifying Marks	
		General	<b>25.0</b>
		EWS/OBC-NCL	<b>22.5</b>
		SC/ST/PwD	<b>16.6</b>

Number of candidates appeared for the test paper: **63092**



**GRADUATE APTITUDE TEST IN ENGINEERING 2024**  
 अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४  
 ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

**SCORE CARD**

Name of the Candidate: **HARSHITH BHEEMPALLI**

Name of the Parent/Guardian: **RAVI BHEEMPALLI**

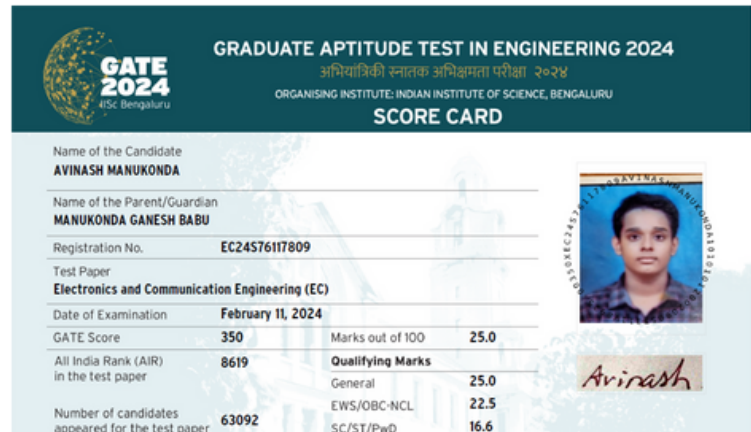
Registration No.: **EC24576120349**

Test Paper: **Electronics and Communication Engineering (EC)**

Date of Examination: **February 11, 2024**

GATE Score	<b>246</b>	Marks out of 100	<b>18.0</b>
All India Rank (AIR) in the test paper	<b>22186</b>	Qualifying Marks	
		General	<b>25.0</b>
		EWS/OBC-NCL	<b>22.5</b>
		SC/ST/PwD	<b>16.6</b>

Number of candidates appeared for the test paper: **63092**



**GRADUATE APTITUDE TEST IN ENGINEERING 2024**  
 अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२४  
 ORGANISING INSTITUTE: INDIAN INSTITUTE OF SCIENCE, BENGALURU

**SCORE CARD**

Name of the Candidate: **AVINASH MANUKONDA**

Name of the Parent/Guardian: **MANUKONDA GANESH BABU**

Registration No.: **EC24576117809**

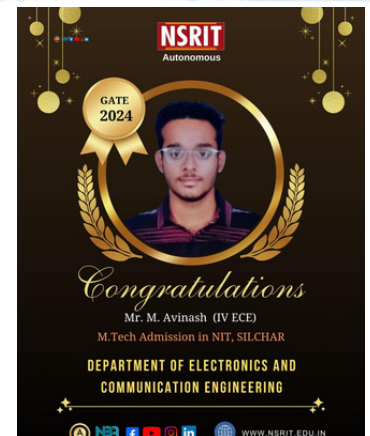
Test Paper: **Electronics and Communication Engineering (EC)**

Date of Examination: **February 11, 2024**

GATE Score	<b>350</b>	Marks out of 100	<b>25.0</b>
All India Rank (AIR) in the test paper	<b>8619</b>	Qualifying Marks	
		General	<b>25.0</b>
		EWS/OBC-NCL	<b>22.5</b>
		SC/ST/PwD	<b>16.6</b>

Number of candidates appeared for the test paper: **63092**

- We are proud to announce that **Mr. M. Avinash**, a final-year student from the Department of Electronics and Communication Engineering (ECE) at NSRIT, has successfully qualified in the **GATE 2024** examination and secured admission into the **M.Tech program at NIT Silchar**. His achievement is a testament to his hard work, determination, and the academic excellence fostered at NSRIT. We extend our heartfelt congratulations to Mr. Avinash and wish him continued success in his future endeavors



- We are delighted to share that **Mr. Ch. M V S Murthy**, a final-year student from the Department of Electronics and Communication Engineering (ECE) at NSRIT, has successfully qualified in the **GATE 2024** examination and secured admission into the **M.Tech program at NIT Kurukshetra**. His dedication, academic excellence, and perseverance have brought great pride to the institution. We wholeheartedly congratulate Mr. Murthy and wish him continued success in all his future academic and professional pursuits.



## Student Level Achievements/Recognitions

- We are pleased to congratulate U. Kiran, Sri Datta, Harsha Vardhan, and L. Ganesh for securing the 1st position in the Idathon organized by the NSRIT Technical Club, Department of Computer Science and Engineering, held on 23rd March 2023 at NSRIT, Sontyam.
- We appreciate the enthusiastic participation of S. Vamsi in the National Level Technical Symposium held at LENDI Institute, Jonnada on 6th March 2024.
- S. Vamsi for his active participation in TECHIGNITE 2K24, a technical event organized by Andhra University on 11th March 2024.
- We congratulate M.d. Adan Danish, M. Venisha, CH. Saathwika, and A. Jyoshna for their active participation in the National Level Technical Symposium held at LENDI Institute, Jonnada on 6th March 2024.

## Placements



May 16, 2024  
NEW UPDATE

**NSRIT**  
AUTONOMOUS

2024

**BIG KUDOS !**

Mr. Rahim (IV ECE)      Ms. Dedeepya (IV CSM)

Our heartfelt congratulations to Mr. Rahim (IV ECE) and Ms. Dedeepya (IV CSM) on securing a coveted placement offer at **IntelliPaat Software Solutions Pvt. Ltd.**, after navigating through multiple rounds of interviews, surpassing peers at the national level. We wish you an immensely successful journey ahead and extend our best wishes for your future endeavors!

 **₹ 7.25 LAKHS PER ANNUM**

[www.nsr.it.edu.in](http://www.nsr.it.edu.in) | Industry - Institute Linkage | CDC | Visakhapatnam, AP



April 08, 2024  
NEW UPDATE

**NSRIT**  
AUTONOMOUS

2024

**BIG KUDOS!**  
**10 SELECTS**

We extend our felicitations to the accomplished individuals hailing from the academic disciplines across **ECE B. Tech.** for securing placement offers at "QSpiders". Our heartfelt appreciation goes out to the esteemed industry collaborators and other stakeholders whose invaluable contributions have paved the way for these students to attain a state of industry preparedness. We convey our sincerest wishes for unparalleled success in their future professional endeavors at QSpiders, anticipating a prosperous and rewarding career trajectory for each one of them.

for successfully placed in

 **₹ 3.5 to 9.5 LAKHS PER ANNUM**

[www.nsr.it.edu.in](http://www.nsr.it.edu.in) | Visakhapatnam, Andhra Pradesh | CDC | IIE



**NSRIT**  
autonomous

[www.nsr.it.edu.in](http://www.nsr.it.edu.in)  
Visakhapatnam, Andhra Pradesh

MAAC 'A'

NBA

NSRIT

ENGINEERING ADMISSIONS 2024

**ON-BOARDING**  
**16 INTERNS**

Rs. 12000 Stipend per month

 ECI SYSTEMS

Industry Institute Linkage (IIE)  
Semester long internship (Applied Learning)

**2025 PASSOUT**



[www.nsr.it.edu.in](http://www.nsr.it.edu.in)



**NSRIT**  
autonomous

[www.nsr.it.edu.in](http://www.nsr.it.edu.in)  
Visakhapatnam, Andhra Pradesh

MAAC 'A'

NBA

NSRIT

ENGINEERING ADMISSIONS 2024

**ON-BOARDING**  
**26 INTERNS**

WITH STIPEND

 ECI SYSTEMS

Industry Institute Linkage (IIE)  
Semester long internship (Applied Learning)

**2025 PASSOUT**



[www.nsr.it.edu.in](http://www.nsr.it.edu.in)

## Faculty Level Achievements/Recognitions

- Mrs. M. V. S. Roja Ramani successfully completed a training program on VHDL Programming, organized by NITTTR, Chennai, held from 27th May 2024 to 31st May 2024.
- D.B. Siva Prasad ,Mr. G. Durga Prasad & Mrs. M. V. S. Roja Ramani ,successfully completed a training program on Verilog Programming, organized by NITTTR, Chennai, from 29th April 2024 to 3rd May 2024
- Mrs. M. V. S. Roja Ramani participated in a training program on "AI Applications in NLP and Speech Processing" organized by Keshav Memorial Institute of Technology, Hyderabad, Telangana, from 22nd April 2024 to 24th April 2024.
- Mr. B. Ravi Chandra, Mrs. M. V. S. Roja Ramani successfully completed a one-day training program on "An Introduction to Machine Learning and AI", organized by the Raspberry Pi Foundation on 7th May 2024
- Mr. S. V. Ramanaji Kalla has successfully completed a course on "An Introduction to Machine Learning and AI", organized by the Raspberry Pi Foundation through edX, on 9th May 2024.
- Dr. Virender Singh has successfully completed the NPTEL course on "Microsensors, Implantable Devices, and Rodent Surgeries for Biomedical Applications".



**Elite**

### NPTEL Online Certification

(Funded by the MoE, Govt. of India)


This certificate is awarded to  
**VIRENDER SINGH**  
for successfully completing the course  
**Microsensors, Implantable Devices and Rodent Surgeries for Biomedical Applications**  
with a consolidated score of **76** %

Online Assignments	21.56/25	Proctored Exam	54/75
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Total number of candidates certified in this course: 211

  
**Prof. G. L. Sivakumar Babu**  
Chairman, Center for Continuing Education  
IISc Bangalore

Jan-Apr 2024  
(12 week course)

  
**Prof. L. Umanand**  
NPTEL Coordinator  
IISc Bangalore

  
 Indian Institute of Science Bangalore

  
Free Online Education

Roll No: NPTEL24BT37S1170200534

To verify the certificate



No. of credits recommended: 3 or 4



Sri N.Satyanarayana Raju  
President



Dr S. Sambhu Prasad  
Principal



Dr. J. Raja Murugadoss  
Director



Dr. B.Siva Prasad  
HOD ECE

## EDITORIAL COMMITTEE

### EDITORIAL COMMITTEE

Chief Editor :Dr.B.Siva Prasad

Editor (s): Mrs. M.V.S.Rojaramani

One faculty Nominee from Department: Mr.B.Ravichandra

### Student Representatives:

1.Mr B.Lakshmi Naidu (IV ECE)

2.Mr. B.Gowtham (III ECE)

3.. Mr. K.Radha Krishna (II ECE)