



ACCREDITED BY NAAC

THE VISION

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

THE 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



Education is the Manifestation of Perfection already in Man

- Swami Vivekananda



Shri. N. Satyanarayana Raju
Chairman



Dr. N. Prasada Raju
Secretary



Mr. N. Kanaka Raju
Treasurer

NEWSLETTER HIGHLIGHTS

Visit of Dr. Buddha Chandrashekar,
CCO, AICTE, MoE, New Delhi

Teachers' Day, Engineers' Day &
Performers Day Celebrations

Industry- Institute Linkage &
Curriculum Highlights

Innovative Teaching - Learning
Process



Spotlight News

HIGHLIGHTS AND ACHIEVEMENTS

- Initiated Institute - Industry Linkage by signing MoUs with premium International and National level Industries for all possible academic collaborations
- Signed an MoU with Luca Industries International GmbH, Berlin, Germany to establish Centre of Excellence in the field of Light Weight Concrete on September 19, 2021
- Signed an MoU with Centre for Excellence in Maritime and Ship Building (CEMS), Visakhapatnam on October 04, 2021 for curriculum delivery
- Signed an MoU with Axiom IO for providing training in the recent developments of IT industry
- Institute provide 38400 man hours of training to the students in the industry during May - November 2021
- Organised two online alumni meet during June 27 and October 02, 2021
- 100% admission during the academic year 2021 - 2022 with a starting EAPCET rank of 6991
- The first Academic Council and Board of Studies under Autonomous Governance held on January 25, 2021 and December 22, respectively
- Celebrated Performers Day (Season 1 and 2) on Sep. 11 and Oct. 29, 2021. Dr. Valli Kumari, Professor, AU and Commander Gopi, CEO, CEMS chaired the session respectively
- Celebrated the Teachers' Day on September 05, 2021 and Dr. Chandra Bushana Rao, Professor, JNTUK Vizayanagaram addressed the members of faculty
- Engineers' Day was celebrated on September 15, 2021
- Organised the first year orientation program for the students admitted on October 18, 2021
- The TPO organised a HR Conclave at Vijayawada on November 14, 2021
- Organised a stakeholders meet on September 24, 2021 for curriculum enrichment and gap identification



Dr. J. Raja Murugadoss
Director



Dr. M. A. Khadar Baba
Principal



NSRIT

Half-yearly Newsletter

VOL. 07



Messages from Director's and Principal's Desk

DIRECTOR'S DESK

I am much delighted to connect with all the stakeholders through this 7th edition of Prasthan, e-newsletter of NSRIT. In the recent days NSRIT is incrementally adding few innovative best practices in the academic eco-system with strong industry-institute engagement. Several best practices are being implemented in the campus by deploying LMS with unique innovative assessment tools and delivery model. I am sure that in the coming years, NSRIT will have its own credential in doing the things differently to promote learner centric environment and walk tall in line with NEP 2020.

- Dr. J. Raja Murugadoss

PRINCIPAL'S DESK

It is a matter of great pride and satisfaction for NSRIT to bring out this edition. The College has made tremendous progress in all areas of academic eco-system. The College has achieved another milestone in getting MoUs with organisations. I am confident that this issue will send a positive signal to all who are interested in Technical education. A News Letter is like a mirror that reflects a clear picture of all sorts of activities undertaken by NSRIT. I congratulate the Editorial Board of this News Letter who has played a wonderful role in accomplishing the task in Record time. Also my heartfelt Congratulations to all members for their fruitful effort. With Best Wishes.

Dr. M. A. Khadar Baba



National Education Policy 2020 - Expert Talk

EXPERT TALK ON NEP 2020

Dr. Buddha Chandrashekar, Chief Coordinating Officer, AICTE, MoE, New Delhi visited the campus on December 18, 2021 along with team of other expert members and delivered an expert talk on the new National Education Policy 2020 and addressed the students and faculty on the new initiatives taken by AICTE for the students regarding the internship programs and Start-ups

NSRIT MOVING TOWARDS NEP 2020

Also along with internal members of faculty, CCO reviewed the new initiatives of online teaching methodology of NSRIT in the Learning Management System (LMS). He appreciated and much impressed the initiatives of NSRIT and noted that NSRIT is moving towards NEP 2020 with few initiatives and expressed his wishes for the same.



600+

JOB OFFERS



NSRIT

Half-yearly Newsletter

VOL. 07



Performers' and Placement Day Celebrations

The Institute felicitated the students who secured high score in the first two semesters of autonomous are provided with incentives and gift vouchers. The Training Placement Office organised Placement Day Celebration on July 18, 2021 to felicitate the students who got Job offer through campus hiring at NSRIT. More than 500 students got job offers during the academic year 2020 - 2021. All the members including Secretary, Treasurer, Director, Principal, TPO, HoDs and other Guests expressed their best wishes to the budding engineers for their future endeavours. Some of the companies include Accenture, CTS, Infosys, TCS, Byju's, UpGrad, TVS, Tech Mahindram CSS Corp and so on.





Institute - Industry Linkage

SIGNIFICANT HIGHLIGHT

The Institute has taken a significant move to strengthen the academic act-system with industry partners by providing industry driven courses at industries in association with the following companies. Around 38400 man hours of training is provide during tha last six months for the students of second and third year students along with placement training for the final year.

- Centre of Excellence in Maritime & Ship Building (CEMS), Visakhapatnam
- Luca Industries International GmbH, Berlin, Germany
- ECMM, Aachen University, Germany
- AXIOM IO,, Hyderabad
- Xtra Curriculum, USA
- Marutham Developers, Chennai and so on

Recently an MoU has been signed with Buddica Smart Life India Private Limited to establish **Buddica New Age Skill Development Centre at NSRIT** for the students to nurture new age talents like AI, Data Science, IoT, Cyber Security, Machine Learning, and so on.





Institute - Industry Linkage

MEMORANDUM OF UNDERSTANDING

To strengthen the institute - industry linkage, several MoUs were signed recently for opening up various avenues in academic and research eco-system.



INANUGURATION OF ALUMNI'S STARTUP





Institute - Industry Linkage

INDUSTRY DRIVEN CURRICULUM

The Institute has taken a significant move in associating industries for curriculum delivery i.e. content beyond syllabi. With this background, the Institute has leveraged the MoU with CEMS, Visakhapatnam and allocated 1st and 3rd Saturday of every month for industrial training. The training was done at CEMS for a period of around 14 weeks. The training was provided by CEMS in association with their training channel partners viz. Siemens, Kuka, and other major brands in the field of PCB Design, Computer Aided Design and Basic Power Electronics. Around 150 students were trained providing transport facilities from college to the respective location. Subsequent to the training, industry based assessment was carried out to assess the learning outcomes.

STAKEHOLDERS MEET FOR CURRICULAR GAP IDENTIFICATION



In total around 30, 000+ man hours was spent towards training at industries by the students along with teachers.



HIGHLIGHTS

- The department has offered a industry driven one credit course on Concrete Technology in association with a construction industry partner, Marutham Developers through online. The students of II, III and IV years enrolled the course and benefitted as a part of Curriculum
- The department also introduces B. Tech. (Honors) and B. Tech. (Minor) for the students of autonomous batch
- A special coaching class on "Structural Analysis" was offered to the students for a duration of two months through online with a SME.


NEW RECUITS

- Mr. B. Ramesh Chandra
- Mr. T. Naidu

NSRIT

B.TECH. CIVIL ENGINEERING

WELL ROUNDED INDUSTRY DRIVEN CURRICULUM WITH HONORS AND MINORS



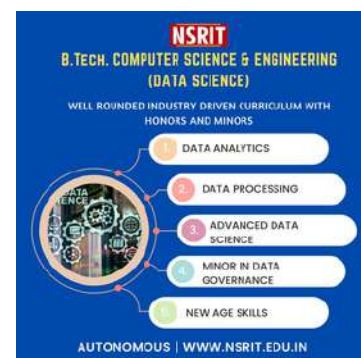
1. APPLICATIONS OF IoT in CIVIL ENGINEERING
2. SMART CITIES
3. STRUCTURAL SAFETY& RISK ASSESSMENT
4. MINOR IN SUSTAINABILITY
5. MINOR IN ENVIRONMENTAL ENGG.

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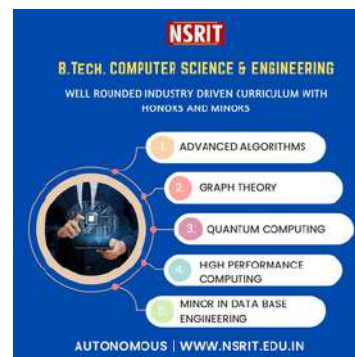
HIGHLIGHTS AND EVENTS ORGANISED

- Organised a 3-day FDP on Emerging Research Areas in New Age Talents during June 24 - 26, 2021
- Organised a one credit course on the following topics "Python" & "Sales Force Administrator"
- Inaugurated ACM Student Professional Body Chapter
- Organised coding competition among students in association with ACM and CSI students' chapters
- Introduced B. Tech. (Honors) and B. Tech. (Minor) in the autonomous regulation
- Established Buddica New Age Skill Development Centre for training students on latest trends



NEW RECUITS

- Mrs. M. Bhargavi
- Ms. P. Mounika
- Ms. P. Sahithi
- Ms. G. Hari Keerthana
- Ms. Khadarunisa



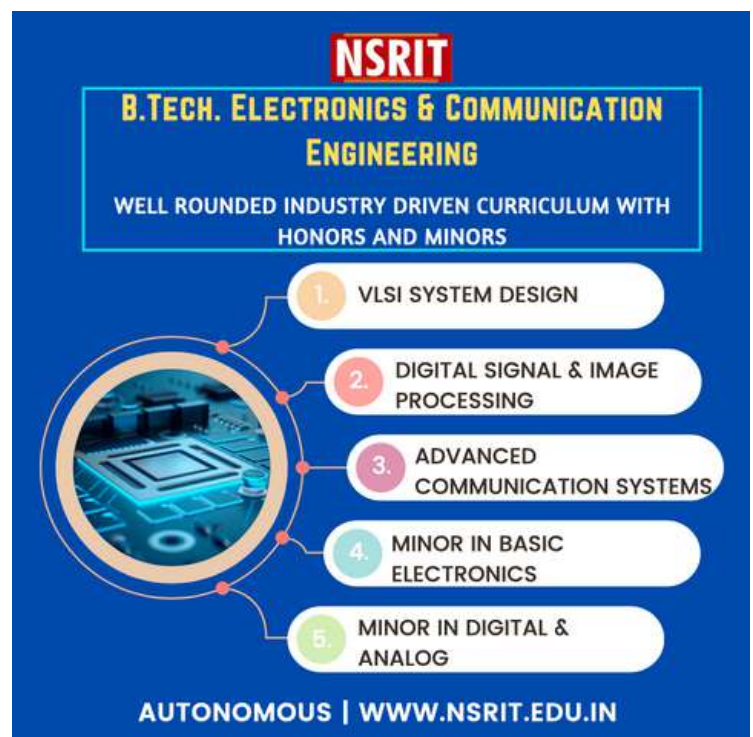


HIGHLIGHTS AND EVENTS ORGANISED

- The Department of ECE has associated with CEMS and offered a industry driven one credit course on "PCB Design" for a duration of 150+ hours at industry oriented sector on 1st and 3rd Saturday of every month this semester
- Established IEEE students' Professional Student Body Chapters

NEW RECUITS

- Ms. Aswani
- Mr. Y. Sravan Kumar
- Ms. G. Mounika
- Ms. G. Durga Prasad
- Mr. B. Siva
- Mr. KYKS.R. Srinivasu
- Mr. Ch. Sivaji
- Mr. S. Jaya Raju
- Mr. YV. Sri Charan

An infographic for NSRIT B.Tech. Electronics & Communication Engineering. It features a central image of a microchip with five numbered callouts pointing to it. The callouts list the following components of the curriculum: 1. VLSI SYSTEM DESIGN, 2. DIGITAL SIGNAL & IMAGE PROCESSING, 3. ADVANCED COMMUNICATION SYSTEMS, 4. MINOR IN BASIC ELECTRONICS, and 5. MINOR IN DIGITAL & ANALOG. The text "WELL ROUNDED INDUSTRY DRIVEN CURRICULUM WITH HONORS AND MINORS" is displayed above the callouts. At the bottom, it says "AUTONOMOUS | WWW.NSRIT.EDU.IN".

NSRIT
**B.TECH. ELECTRONICS & COMMUNICATION
ENGINEERING**
WELL ROUNDED INDUSTRY DRIVEN CURRICULUM WITH
HONORS AND MINORS

1. VLSI SYSTEM DESIGN
2. DIGITAL SIGNAL & IMAGE PROCESSING
3. ADVANCED COMMUNICATION SYSTEMS
4. MINOR IN BASIC ELECTRONICS
5. MINOR IN DIGITAL & ANALOG


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HIGHLIGHTS AND EVENTS ORGANISED


- Celebrated "National Energy Conservation Day" on December 14, 2022
- Signed an MoU with Centre of Excellence in Maritime and Ship Building and offered a one credit course on Basics of Power Systems
- Signed an MoU with Axis Global Automation for training the students Industrial Robotics and Process Automation
- Developed few working models on automatic sanitary equipment during the pandemic for internal stakeholders
- Organised a e-Awareness National Level Program "Sambhav" in association with MSME on November 18, 2021
- Trained two members of faculty at Industry in the field of Basics of Power Electronics
- Introduced B. Tech. (Honors) and B. Tech. (Minor) under autonomous regulations of NSRIT

NEW RECUITS



B.TECH. ELECTRICAL & ELECTRONICS ENGINEERING

WELL ROUNDED INDUSTRY DRIVEN CURRICULUM WITH HONORS AND MINORS



- 1
 SMART ELECTRICAL VEHICLES
- 2
 ADVANCED POWER SYSTEMS
- 3
 ADVANCED POWER QUALITY
- 4
 MINOR IN ELECTRICAL DEVICES
- 5
 MINOR IN CONTROL SYSTEMS

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HIGHLIGHTS AND EVENTS ORGANISED

- The Department of Mechanical Engineering has established Professional Student Body Chapters in association with Society of Automotive Engineers (SAE) and American Society of Mechanical Engineers (ASME) recently
- Associated with CEMS and offered a industry driven one credit course on "PCB Design" for a duration of 150+ hours at industry oriented sector on 1st and 3rd Saturday of every month this semester
- Organised online training program on Robotics in association with ECMM, Aachen University, Germany
- Signed an MoU with Axis Global Automation, Coimbatore for training in Robotics
- Introduced B. Tech. (Honors) and B. Tech. (Minor) under autonomous regulation for the current students

NSRIT
B.TECH. MECHANICAL ENGINEERING
WELL ROUNDED INDUSTRY DRIVEN CURRICULUM WITH
HONORS AND MINORS



1. ADVANCED THERMAL SYSTEMS
2. SMART MANUFACTURING
3. INTEGRATED PRODUCT DEVELOPMENT
4. MINOR IN BIO MATERIALS
5. MINOR IN SURFACE ENGINEERING

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HIGHLIGHTS AND EVENTS ORGANISED

- The department secured an overall pass percentage of 70.1 in the first year i.e. 2020 - 2021 for the first autonomous batch
- The department of Freshman Engineering Department introduced laboratory integrated record notebooks for the laboratory courses from the academic year 2021 - 2022 onwards
- The first year orientation and induction program were organised for nearly two weeks to expose the students on various systems and processes and scope of engineering. Several alumni and industry experts were engaged in sensitizing the students during the events. In addition, special classes were also organised for nurturing universal human values to the students during November 29 - December 11, 2021
- Celebrated National Mathematics Day on December 22, 2022

NEW RECUITS

- Ms. B. Sujatha
- Ms. V. Ishwarya
- Mr. S. Veer Brahmam
- Dr. P. Hari Krishna
- Dr. U. V. Subha Rao
- Dr. V. Gunaa Devi





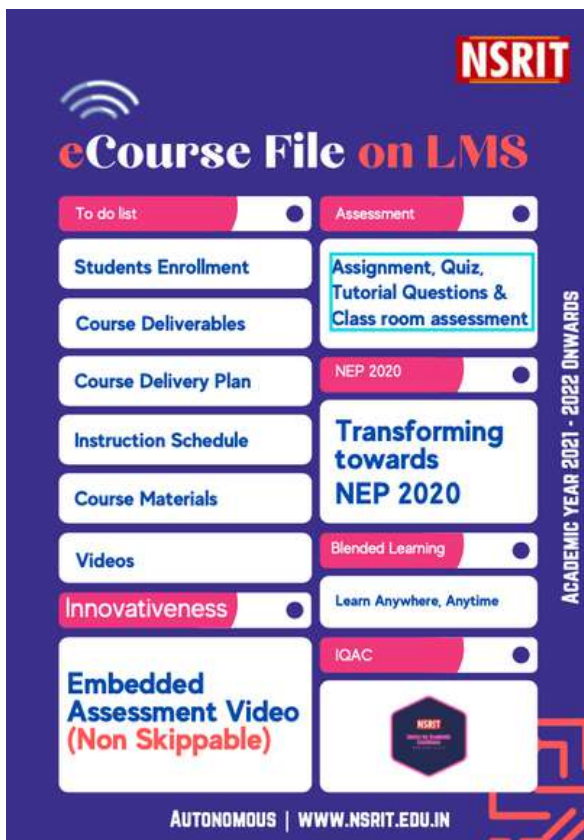
HIGHLIGHTS AND EVENTS ORGANISED

- Organised a webinar for the students of Management Studies on Emerging Trends in Logistics and Supply Chain Management on November 20, 2021 taking the support of Dr. Venkata Sai Srinivasa Rao, LPU, Punjab
- Organised a webinar for the students of Management Studies on Role of Technology in Exploring NEW Growth Markets and Opportunities on October 30, 2021 taking the support of Shri. Laxmi Kanth, Data Science Manager, Tech Mahindra





Best Practices in the Academic Eco - System



INNOVATIVE TEACHING & LEARNING STRATEGIES

- WIT & WIL (What Am I Teaching & Why Am I Learning?)
- Learning Management System (LMS) to promote Blended Learning
- Lite & Tight Model of Assessment for Skill Oriented Course
- Choice Based Credit System (CBCS)
- Pre-recorded curriculum deliverables and Live Streaming through virtual meeting platforms
- Video Assignments
- Online assessment through non-skippable video content streaming
- Customized Individual login for all users
- e-Course File towards paperless mission
- Full Semester Internship programs for all students
- Industry driven courses (150+ hours per student in a semester)
- Strong industry connect for deep skilling
- On campus New Age Skill Development Centre in association with industry partners
- e-Learning facility
- On campus working space with individual cubicals for interns with pre-placement offers
- And many more...