



NEWS BITES

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Inside This Issue:

- Department Events
- Department Guest Lectures /Faculty As Participated In Faculty Development/Training Achievements/STTPS.
- Major Students Achievements/ Student Ariticle
- Placements.
- MOU'S



NRI INSTITUTE OF TECHNOLOGY

INFORMATION TECHNOLOGY



VISION OF THE INSTITUTE

To produce professionally Excellent, Knowledgeable, Globally Competitive and Socially responsible Engineers and Entrepreneurs.

MISSION OF THE INSTITUTE

M1	Providing Quality Education through state-of-art Infrastructure, Laboratories and Committed Staff.
M2	Establishing a continuous Industry - Institute Interaction, Participation and Collaboration to contribute Skilled Engineers.
M3	Involving Faculty members and Students in Research and Development to become globally competitive and for the betterment of the Society.
M4	Developing Human values, social values, Entrepreneurship skills and Professional Ethics among the Technocrats.



NRI INSTITUTE OF TECHNOLOGY

INFORMATION TECHNOLOGY



VISION OF THE DEPARTMENT

Empower Information Technology students with outstanding skills, well-informed, globally-minded, and socially-conscious engineers and innovators

MISSION OF THE DEPARTMENT

M1	Provide a comprehensive and up-to-date curriculum to empower students with excellent IT skills and knowledge.
M2	Cultivate a global perspective by exposing students to international IT trends and practices.
M3	Create an entrepreneurial ecosystem that nurtures innovative thinking and encourages IT students to become successful entrepreneurs.
M4	Promote ethical practices and social responsibility in the IT industry.



NRI INSTITUTE OF TECHNOLOGY

INFORMATION TECHNOLOGY



PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

PEO 1	Excel in applying technical knowledge to develop practical IT solutions for real-world challenges.
PEO 2	Pursue lifelong learning, staying updated with IT advancements and adapting to emerging technologies for industry relevance.
PEO 3	Exhibit strong leadership, teamwork, and communication skills to drive IT projects and achieve common goals effectively.
PEO 4	Empowering IT professionals to work with ethical and social responsibility, driving positive impacts on technology and society.



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PROGRAM SPECIFIC OUTCOMES (PSOs)

<p>PSO 1</p>	<p>Understand and analyze complex problems, design efficient algorithms, and implement software solutions using various programming languages and tools.</p>
<p>PSO 2</p>	<p>Exhibit proficiency in Artificial Intelligence and Machine Learning for providing solutions to real world problems in Industry and Research establishments.</p>
<p>PSO 3</p>	<p>Design, develop, and implement software systems that meet user requirements, considering factors like usability, security, and scalability.</p>



PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and computing to solve Information Technology related problems.
2. **Problem Analysis:** Identify, formulate, review relevant research literature, and analyze complex Information Technology problems, arriving at well-founded conclusions by leveraging foundational principles of mathematics, natural sciences, and engineering sciences.
3. **Design / Development of Solutions:** Create solutions for intricate Information Technology challenges and design system components or processes that fulfill specified requirements while giving due regard to public health and safety, as well as cultural, societal, and environmental factors.
4. **Conduct Investigations of Complex Problems:** Investigate complex Information Technology problems using research methods, data analysis, and data interpretation to derive valid conclusions.
5. **Modern tool usage:** Use modern engineering and IT tools, software, and equipment to develop complex software projects efficiently.
6. **The engineer and society:** Apply engineering solutions in a societal context, considering ethical, legal, cultural, economic, and environmental aspects.
7. **Environment and sustainability:** Understand the Impact of Information Technology Solutions in Societal and Environmental Contexts, and Demonstrate the Knowledge of, and need for Sustainable Development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities within the field of information technology.
9. **Individual and Team Work:** Function effectively as an individual and as a member or leader in diverse teams, and multidisciplinary settings.
10. **Communication:** Effectively communicate complex information technology concepts to both IT community and society at large, including the ability to write reports, design documentation, make presentations, and give and receive clear instructions.
11. **Project Management and Finance:** Apply Information Technology and management principles to proficiently manage projects as an individual and leader within software development environments.
12. **Life-Long Learning:** Recognize the need for lifelong learning to remain current in the dynamic IT environment.



PAPER PUBLICATION

DEPARTMENT OF INFORMATION TECHNOLOGY LIST OF JOURNAL PUBLICATION 2020-2021

S.NO	NAME OF THE FACULTY	TITLE	NAME OF JOURNAL	ISSN NO	VOLUME	ISSUE
1	Dr.M.Chaitanya Kishore Reddy	An Integrated Routing Protocol which improves the Routing in WSN	Journal Of Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
2	Mr.SK.Mahabob Basha	A FRAMEWORK TO DETERMINE CYBERCRIME INFORMATIN THROUGH DATA ANALYTIC APPROACH	Journal Of Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
3	Mr.B.B.K.Prasad	TAXONOMY OF RESEMBLAN CE PLY DEEP LEARNING	Journal Of Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
4	B.Naga Raju	Identification of Numeric Indication using Machine Learning	Journal Of Informational and computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020

5	Mr.B.Avinash	An approach towards Image Re-ranking based on Topic Diversity in Image Processing	Journal Of Science, Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
6	Dr.M.Aruna Safali	EnhancedCrop Yielding Technique using Machine Learning	Journal of Science, Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
7	Mr.E.Karunakar	An preserving top security-k query protocol for two-tiered sensor network under IND-CKA model	Journal Of Science, Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
8	Mrs.P.Naga Lakshmi	IDENTIFICATION OF HARMFUL URLS USING RANDOM FOREST ALGORITHM	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020
9	Dr.M.Chaythanya Kishore Reddy	An Analysis of Real Time Detection Using SUM's from Twitter	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020

10	Dr.M.Chaythanya Kishore Reddy	Analysis of Beacon Technology and the Future with it	Journal Of Science, Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
11	Mr.SK.Mahabob Basha	A Non-Linear Chaotic Based PSO Feature Selection Approach For High Dimensional Data Classification	International Journal of Scientific and Technology Research	ISSN NO-2277-8616	Volume-9 Issue-4	2020
12	Mr.B.B.K.Prasad	Enhanced Energy Query Processing in Web Searching	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020
13	Mr.SK.Mahabob Basha	A Dialect Free System to Extricate Locutions Using QPM	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020
14	Mr.E.Karunakar	Ensemble Fake Profile Detection Using Machine Learning (ML)	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020
15	Mr.B.Avinash	Anatomization of Sub-Diseases using LR in ML	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020

16	Dr.M.Chaitanya Kishore Reddy	Comprehensive Auditing in Clouds with Identity-Based Data Outsourcing	International Journal of Computational Mathematical Ideas	ISSN NO-0974-8652	Volume-19	2019
17	Dr.M.Chaythanya Kishore Reddy	Hand Gesture Recognition by Using the Leap Motion Controller with the help of Touch less Virtual Reality Technology.	Journal Of Information and Computational Science	ISSN NO-1548-7741	Volume-10 Issue-3	2020
18	Dr.M.Aruna Safali	Enhanced Crop Yielding Technique using Machine Learning	Journal of Science, Technology and Development	ISSN NO-0950-0707	Volume-9 Issue-3	2020
19	Dr.M.Aruna Safali	Enhanced Crop Yielding Technique using Machine Learning	Journal of Science, Technology and Development	ISSN NO-1548-7741	Volume-10 Issue-3	2020

Student Article

NOVEMBER-2021

PUNUGUPATI DEEPAK

HOW TO START

A START-UP



SUCCESSFUL IDEA

2)Market Research:

Conduct thorough market research to understand your target audience, competition, and market trends.

3)Validate Your Idea:

Validate your startup idea by seeking feedback from potential customers. This can be done through surveys, interviews, or by creating a minimum viable product (MVP) to test in the market.

4)Create a Business Plan:

Develop a detailed business plan outlining your business model, target market, value proposition, revenue streams, marketing strategy, and financial projections. A solid business plan can help guide your startup and attract investors.

STARTING START UP

Starting a startup involves a combination of strategic planning, creativity, resilience, and a willingness to learn from both successes and failures. Here is a step-by-step guide to help you get started

1)Identify a Problem or Opportunity:

Start by identifying a problem that needs solving or an opportunity that you can capitalize on. Consider your own experiences, pain points, or areas where you see a gap in the market.





MOU's

S.NO	NAME OF THE ORGANIZATION	SERVICE PROVIDED BY THE ORGANIZATION
1.	MICROLINKS PERIPHERAL CONTROLS PVT.LIMITED	Enriching the technical education process and for continuous interaction between industry and institution
2.	SRC-E SOLUTIONS	WORKSHOPS/ VISITS/PROJECTS/INTERNSHIPS
3.	BLACKBUCK ENGINEERS PVT.LIMITED	PROGRAMMING SKILLS,INTERNSHIPS & PROJECTS
4.	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES	Faculty Exchange and Student Exchange
5.	IGNITIVE LABS TECHNOLOGIES PVT.LIMITED	TRAINING PROGRAMS & CONDUCTING DRIVES
6.	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY	Faculty Exchange and Student Exchange
7.	INDIAN SERVERS	CONDUCTING TRAINING PROGRAMES
8.	GRUHA NIRMAN INFRA	INTERNSHIPS /INDUSTRIAL VISIT
9.	ASHOKA WOMEN'S ENGINEERING COLLEGE	Faculty Exchange and Student Exchange
10.	MIND BRIDGE CONSULTING	TO ENHANCE SKILL & KNOWLEDGE
11.	NOVUS GREEN ENERGY SYSTEMS LIMITED	
12.	SK DEEP TECH PVT.LIMITED	Student Certifications
13.	RK COLLEGE OF ENGINEERING	Faculty Exchange and Student Exchange
14	LEO GLOBAL SERVICES PRIVATE LIMITED	INTERNSHIPS /INDUSTRIAL VISIT
15	LEARNET SKILLS LIMITED	PROVIDE TRAINING ,INTERNSHIPS
16	VIRTUSA CONSULTING SERVICES PRIVATE LIMITED	ENRICHING PRACTICAL SKILLS & IMPARTING INDUSTRY RELEVANT COURSE
17	ED & IMMIGO OVERSEAS CONSULTANCY PVT.LIMITED	

