

Department of Computer Science and Engineering
Proudly Presents

TECHNOCRATS

NEWSLETTER

Volume - 8 | Issue - 1 | November - 2022

" COMPUTER SCIENCE IS THE OPERATING
SYSTEM FOR ALL INNOVATION."

- Steve Ballmer



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RAJALAKSHMI
INSTITUTE OF
TECHNOLOGY

BELIEVE IN THE POSSIBILITIES

From the Editorial Board

Greetings to all !!!

We are pleased to present to you the issue of our department Newsletter, Volume: 8, Issue: 1, for the month of June to November - 2022.

The aim of bringing up the newsletter is to motivate young professionals and aspiring engineers in building cognitive characteristics and introduce the rising engineers with latest trends in technology.

The issue highlights the involvement and achievements of the faculty & students of the Department of computer science and engineering in the period of June 2022 to November 2022 reflecting their Extra and Co-Curricular activities in the academic year 2022-2023.

We welcome you to send us feedback with your thoughts and suggestions.

**Stop chasing the money and start
chasing the passion."**

- Tony Hsieh



Chief Editor:

**Dr. D.C. Joy Winnie Wise,
Prof & Head**

Faculty Co Ordinator:

**Mr. Arunkumar MTech, (Ph.D.)
AP/CSE**

Students in Editorial Team:

**LAKSHMI C. R: IV year
SANGEETHARANI M: II year
TAMIL INIYAL T: II year**

Vision

To empower the students with high quality technical education in the field of Computer Science and Engineering to face the challenges of modern computing industry and research for the positive contributions to the society.

Mission

- To produce globally competent and highly employable professionals, who will be innovative in solving real world problems.
- To train the students with high ethical values to serve the society efficiently in their profession.
- To promote research activities of the students and faculty members that could fortify industry academic community connections.

Program Educational Objectives (PEOs)

- To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering.
- To ensure that graduates will have the ability and attitude to adapt to the emerging technological changes for the social benefits.
- To prepare the graduates to be able to become entrepreneur in the field of Computer Science and Engineering.

“Try not to become a man of Success. Rather become a man of value”.

- Albert Einstein

Programme Outcomes (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods, including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and Sustainability:** Understand the impact of the professional engineering solutions to societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

“The only way to do great work is to love what you do. “

- Steve Jobs

Program Specific Objectives (PSOs)

- Based on essential knowledge gained in science, applied mathematics, electronics, and in the fundamental areas of Computer Science and Engineering, graduates should continue to develop career in their profession and research.
- Graduates develop and exercise their capabilities as professionals to analyze problems and provide computing solution for lifelong learning to enhance their technical and nontechnical skills
- Graduates will promote design, and implementation of products and services in the field of Computer Science & Engineering through strong communication, leadership, and entrepreneurial skills, for the advancement and development of the society.

"Success usually comes to those who are too busy to be looking for it."

- *Henry David Thoreau*

Our Students Project:

RITians celebrate a huge milestone!

Our payload successfully monitored all the parameters at the Kalam Centre for Space Research. We applaud our brilliant young minds who were the driving force behind this mission.



Congrats Team RIT Kalam Centre For Space Research

Our payload has monitored all the specified parameters successfully.
A milestone for every RITian

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"It's not stress that kills us; it is our reaction to it".

- Hans Selye

Guest lecture:

On 22nd November, the Department of Computer Science and the Computer Society of India organized a guest lecture on Data Governance: Towards Data Science for our Computer Science & Engineering students. The lecture was given by Ms. Mohanapriya, Lead Data Engineer and Ms. Fauzia Mohideen, Senior Data Engineer, Mr Cooper. They spoke about the future of Data Science and also developing the analytical skills required to ace the field.

We extend our gratitude to Ms. Mohanapriya and Ms. Fauzia for an enlightening session and for allowing our students to delve deeper into the world of Data Science.

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Moving forward with Data Science

GUEST LECTURE BY

Ms MOHANAPRIYA BAKHTAVACHALAM, Lead Data Engineer &
Ms FAUZIA MOHIDEEN, Senior Data Engineer, **MR COOPER**

ritchennai rit_chennai Rajalakshmi Institute of Technology

“Computer science is the operating system for all innovation”.

- Steve Ballmer

Industrial Visit:

We organized an industrial visit to the prestigious Satish Dhawan Space Centre (SDSC) at Sriharikota for our students on 26th November. 43 students from various departments, including Computer Science & Engineering, Electronics & Communications Engineering, Computer & Communication Engineering, and Computer Science and Business Systems, witnessed the launch of PSLV-C54/ EOS-06 Mission.

We extend our gratitude to SDSC for providing a massive opportunity for RITians to witness an incredible launch.



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Witnessing a Glorious Moment

PSLV-C54/ EOS-06 Mission Launch

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Corporate Talk:

On 10th November, we organized a corporate talk for our young minds who have joined the 2022 batch. Mr. Nelson Kulandhairaj, Tech Mahindra, addressed our students about future opportunities and empowered them to reach their full potential.

We extend our gratitude to Mr. Nelson for a valuable session and for motivating our students.



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RIT Milestones:

RITians and the teaching staff of RIT because you all have the lion's share in helping the college win this award. The extraordinary work of our RIT students and staffs has been recognised rightly. Keep up the good work, and we will support you with it!

We extend our gratitude to IIC for honouring us with this award.



The graphic is a celebratory award certificate for Rajalakshmi Institute of Technology (RIT). It features a white brick wall background with an orange diagonal corner. At the top, logos for the Ministry of Education, MoE's Innovation Cell, Institution's Innovation Council, and AICTE are displayed. The central text reads 'Coveted Recognition of being awarded with' followed by three gold stars and the RIT logo. Below this, it states 'RAJALAKSHMI INSTITUTE OF TECHNOLOGY' and 'For our Innovations & Start Up Culture by the Ministry of Education in India 2021-22'. The word 'CONGRATULATIONS' is written in a stylized font at the bottom right.

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

AICTE
All India Council of Technical Education

Coveted Recognition of being awarded with

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RAJALAKSHMI INSTITUTE OF TECHNOLOGY

For our Innovations & Start Up Culture by the Ministry of Education in India 2021-22

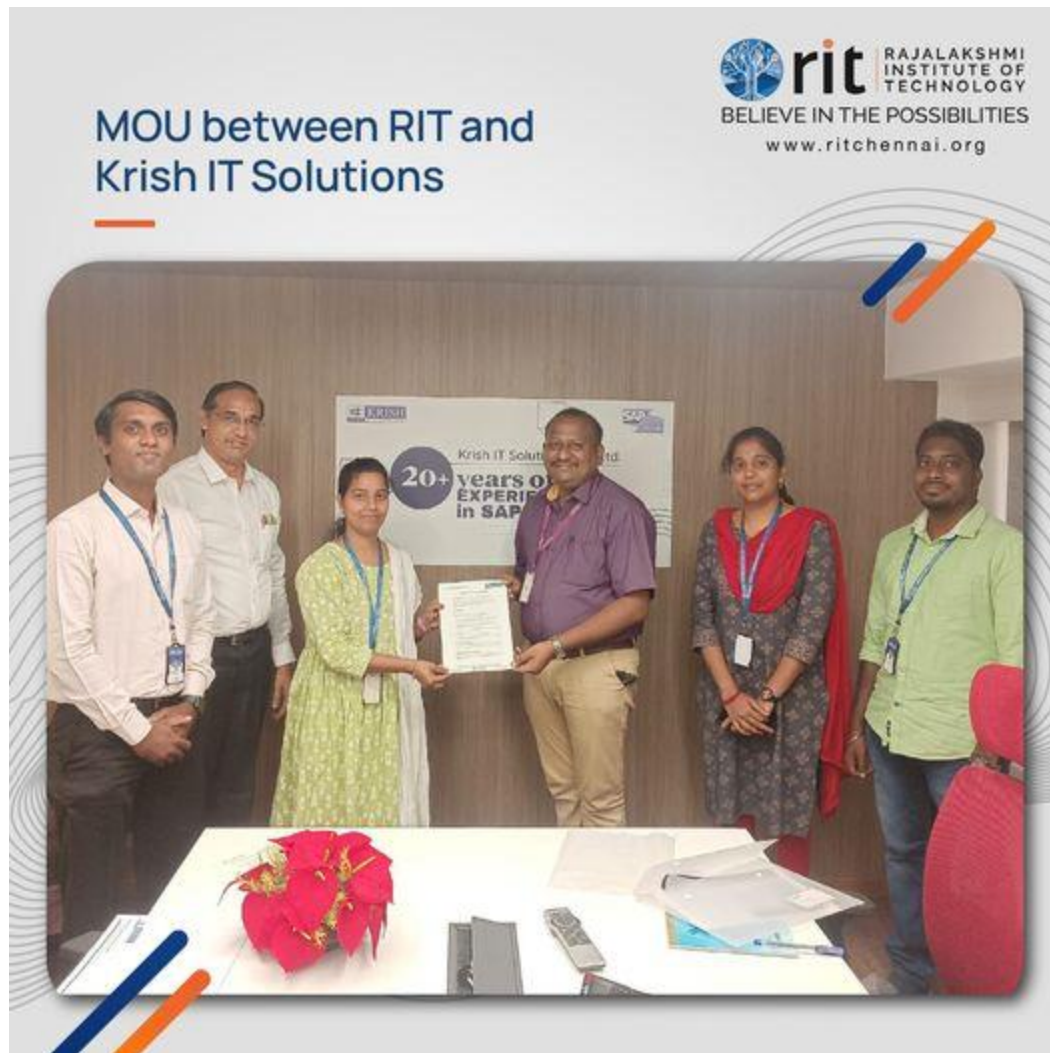
CONGRATULATIONS

*“As engineers, we were going to be in a position to change the world
– not just study it.*

Best Opportunities:

To ensure the best of opportunities for our students, RIT signed an MOU with Krish IT Solutions. We look forward to working together and ensuring that our students get the best they deserve.

Stay tuned for more such updates from RIT.



“The scientist discovers a new type of material or energy and the engineer discovers a new use for it.”

Faculty Development Programme:

S.No	Name of the Faculty	Title of the FDP	Institute / Organization	Date
1.	Dr. D. C. Joy Winnie wise	Amazon Web Services	Panimalar Engineering College & All India Technical Education	22.08.2022 To 27.08.2022
2.	Dr. Anjana Devi Veluchamy	Amazon Web Services	Panimalar Engineering College & All India Technical Education	22.08.2022 To 27.08.2022
3.	Dr. T. Rajendran	Amazon Web Services	Panimalar Engineering College & All India Technical Education	22.08.2022 To 27.08.2022
4.	Dr. P. Darwin	Amazon Web Services	Panimalar Engineering College & All India Technical Education	22.08.2022 To 27.08.2022
5.	Dr. S. Sridhar	Wearable Devices for IOT and Microwave Infrastructure	SRMIST, Delhi – NCR Campus	20.12.2022 To 25.12.2022
6.	Ms. S. Uma	Technology Insights in Data Science	NIT Nagaland & Chennai Institute of Technology	31.10.2022 To 05.11.2022
7.	Ms. N. Kanagavalli	Microsoft Power BI Data Analyst Associate	ICT Academy & Rajalakshmi Institute of Technology	30.08.2022 To 05.09.2022

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-Steve Ballmer

<u>S.No</u>	Name of the Faculty	Title of the FDP	Institute / Organization	Date
8.	Ms. D. Suganthi	Microsoft Power BI Data Analyst Associate	ICT Academy	30.08.2022 To 05.09.2022
9.	Ms. P. Sathyabama	Technology Insights in Data Science	NIT Nagaland & Chennai Institute of Technology	31.10.2022 To 05.11.2022
10.	Ms. K. Priya Kalaivani	Microsoft Power BI Data Analyst Associate	ICT Academy	30.08.2022 To 05.09.2022
11.	Mr. T. Ramalingam	Technology Insights in Data Science	NIT Nagaland & Chennai Institute of Technology	31.10.2022 To 05.11.2022
12.	Ms. N. Deepika	Technology Insights in Data Science	NIT Nagaland & Chennai Institute of Technology	31.10.2022 To 05.11.2022
13.	Ms. R. Vijayalakshmi	PALS – VLABS 2022-23 INITIATIVE With NITK <u>Surathkal</u>	Virtual Labs & PALS	19.10.2022 To 21.10.2022
14.	Mr. CS. Somu	Technology Insights in Data Science	NIT Nagaland & Chennai Institute of Technology	31.10.2022 To 05.11.2022

“The best way to predict the future is to invent it”.

-Alan Kay

Faculty Outside Interaction:

S.no	Name of the faculty	Title	University / Institution	Date
1.	Dr. R. Lalitha	Shortlisted as participant for Kasi Tamil Sangamam	Kasi Tamil Sangamam	22.11.2022
2.	Dr. R. Lalitha	Question Paper Setter	Annapoorana Engineering College (Autonomous)	20.10.2022
3.	Ms. S. Subha	Faculty Mentor - Smart India Hackathon	Prin L.N.Welingkar Institute of Management Development and Research, Mumbai	26.08.2022
4.	Mr. M. Ashok	Faculty Mentor - Smart India Hackathon	PSR Engineering College Sivakasi	26.08.2022
5.		Reviewer in the 2nd International Conference on Advanced Network Technologies and Intelligent Computing	Banaras Hindu University	22.12.2022 To 24.12.2022
6.		Faculty Mentor - Smart India Hackathon	Chandigarh University, Punjab	26.08.2022
7.	Ms. B. Maheswari	Faculty Mentor - Smart India Hackathon	PSR Engineering College Sivakasi	26.08.2022
8.	Mr. B. Sriman	Faculty Mentor - Smart India Hackathon	NIT, Silchar	26.08.2022
9.	Mr. R. Arun Kumar	Faculty Mentor - Smart India Hackathon	Prin L.N.Welingkar Institute of Management Development and Research, Mumbai	26.08.2022
10.	Ms. H. Annie Silviya	Faculty Mentor - Smart India Hackathon	Dr. B.C.Roy Engineering College, Durgapur, West Bengal	26.08.2022
11.	Ms. E. Venitha	Faculty Mentor - Smart India Hackathon	NIT, Silchar	26.08.2022

Faculty Attended Webinar:

S.No	Name of the Faculty	Title of the Webinar	Institute / Organization	Date
1.	Dr. R. Lalitha	Enabling Digital Transformation in Academic Institutions to Align with National educational Policy of India	Elsevier Connect	20.10.2022
2.	Dr. V. Anjana Devi	Optimization Algorithm for Solving scientific Problems	Computer Society of India, Kolkata Chapter	30.07.2022
3.		Enabling Digital Transformation in Academic Institutions to Align with National educational Policy of India	Elsevier Connect	20.10.2022
4.	Ms. B. Udaya	Enabling Digital Transformation in Academic Institutions to Align with National educational Policy of India	Elsevier Connect	20.10.2022
5.	Dr. P. Darwin	Enabling Digital Transformation in Academic Institutions to Align with National educational Policy of India	Elsevier Connect	20.10.2022
6.	Dr. S. Sridhar	Enabling Digital Transformation in Academic Institutions to Align with National educational Policy of India	Elsevier Connect	20.10.2022
7.	Ms. D. Suganthi	Team Building, Creativity & Innovation	Mindtree	24.06.2022
8.	Ms. N. Deepika	Team Building, Creativity & Innovation	Mindtree	24.06.2022
9.	Ms. R. Vijayalakshmi	Next Generation Energy Storage Device	Rajalakshmi Institute of Technology	27.04.2023
10.	Ms. M. Ramya	Optimization Algorithm for Solving scientific Problems	Computer Society of India, Kolkata Chapter	30.07.2022
11.	Mr. CS. Somu	Optimization Algorithm for Solving scientific Problems	Computer Society of India, Kolkata Chapter	30.07.2022
12.	Ms. G. Kavitha	Optimization Algorithm for Solving scientific Problems	Computer Society of India, Kolkata Chapter	30.07.2022
13.	Ms. E. Pooja	Optimization Algorithm for Solving scientific Problems	Computer Society of India, Kolkata Chapter	30.07.2022

Student Publication:

<u>S.No</u>	Name of the author	Title of paper	Name of journal	Issue, Volume and Page No	Year of publication
1	Venkat Sai Sujan <u>Kandregula</u>	The Next level of Security Scalable Solution Blockchain (SSSB) in Satellite Communication System	International (Virtual) Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication and Computational Intelligence	Volume 2335	2022
2	Santhosh Kumar E, <u>Suryaa</u> Narayanan K, <u>Nishaalu S</u>	Blockchain Industry 5.0: Next Generation Smart Contract and Decentralized Application Platform	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	pp. 1-8, doi: 10.1109/ICS ES55317.2022.9914151.	Oct 2022
3	Pavithra R, Neha Rao G, T. Sunitha, G. <u>Thiyagarajan</u>	Analysis on Semantic categorization technique of analogous label by using Deep Learning Technique	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems	pp. 1-8, doi: 10.1109/ICS ES55317.2022.9914308.	Oct 2022

“The best way to predict the future is to create it”.

Peter Drucker

PATENT DETAIL:

SNO	FACULTY NAME	PATENT APPLICATION NO	TITLE OF THE PATENT	ROLE OF THE PATENT (APPLICANT/ INVENTOR)	INTERNATIONAL / NATIONAL	PUBLICATION DATE	STATUS
1	Mr. D. JEYAKUMAR	202241009364	ML Based Cyber Security Attack Recognition for WSN Microgrids	APPLICANT	NATIONAL	04-03-2022	PUBLISHED AND WAITING REQUEST FOR EXAMINATION

"The engineer has been, and is, a maker of history."

Graduation Day:

Celebration! Graduation! A remembrance of happy times! Take a short glimpse at our graduation event, which was held on 05.11.22.



"One is certain of nothing but that truth of one's own emotions."- E.M. Forster



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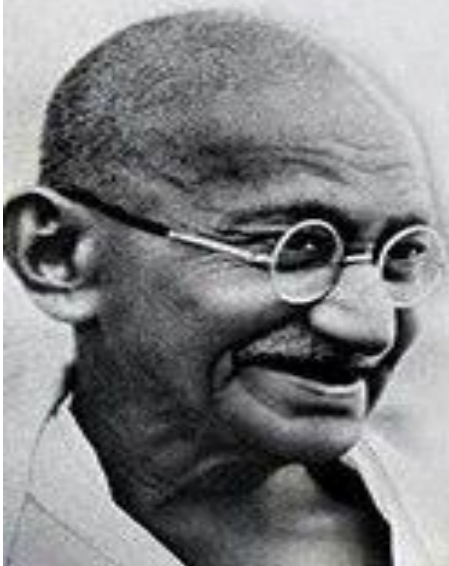
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You can't change
how people treat
you or what they
say about you.
All you can do
is change
how you
react to it.

~Mahatma Gandhi



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