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EDITORIAL MESSAGE

Dear readers,

As we are winding up another exciting semester and gearing up for the new academic year (2022-23), we are pleased to continue to bring our readers another issue of CMRIT 'Connect', Vol-05, Issue-02, the newsletter of CMR Institute of Technology, Bangalore.

In this issue, we will recount numerous accomplishments made by our faculty and students that brought accolades to our college. CMRIT family always strives hard toward achieving excellence within and beyond academics. CMRIT 'Connect' is a testimony to their hard work. It's our real pleasure to present to you this edition of CMRIT 'Connect'. We hope that this newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us.

We take this opportunity to thank all the students, faculty and staff of CMRIT as their contributions is the reason that makes this newsletter endearing to our readers.

Editorial Team

MESSAGE FROM THE PRINCIPAL

Dear Reader,

I am happy to share that CMRIT stands among the Top 100 private engineering institutes across the country with improved rankings every year. This is the outcome of the consistent hard work by our students and staff as well as the support from all our stake-holders.

Our student team won 1st place in TiE Pitchfest-2022 and qualified to represent India at the Global Pitch at Stanford University, USA. Another student team received first prize at the Smart India Hackathon 2022. CMRIT team also won the first prize for the project titled “Additive Manufacturing for Medical Implants” at International Project Exhibition - IMTEX FORMING 2022.

Placements of the outgoing batch were also noteworthy this year with many students getting high pay packages of over ten lakhs per annum as well as international job offers. Md. Azaan Sherani is placed at Amazon with a pay package of 27 LPA while Raj Kumar Sony secured an offer with a package of 20 LPA in Japan.

Our innovation and entrepreneurship initiative is also resulting into multiple success stories. Ten startups have been registered by our faculty members, and many patents and design registrations are filed by our students and faculty. Startups by our alumni, students and staff are being incubated at CMRIT Incubation centre. CMRIT has signed MoUs with many companies to give exposure to our students on real-life projects, technology and internships.



Cultura-22, was celebrated with great enthusiasm by students and staff after a gap of two years due to pandemic. Eco Youth Startup summit was organized for our students. Industry Campus Connect Day and Alumni meet were also conducted for our students to interact with people from industry.

CMRIT strives for holistic development of its students through a strong mentoring program, with training on design thinking, patent drafting, entrepreneurship and writing technical documents, by mandating mini-projects and MOOCs as well as by providing certification programs at its centres-of-excellence. CMRIT flagship Tie-Your-LACES (TYL) program make students industry-ready - right from the first year. A new Touch-Your-TOES (TYT) process is institutionalized which governs the teaching-learning process to enhance student’s learning experience at CMRIT.

Hope you will enjoy reading this edition of CMRIT ‘Connect’ with many interesting articles and activities done by our students and staff!

Dr. Sanjay Jain

Principal

MESSAGE FROM THE VICE - PRINCIPAL

Dear readers,

It was quite inspiring to witness the potential of our students and staff for unfolding their creative ideas and innovations at various stages. This NEWSLETTER is a platform for budding engineers and faculty to showcase their talent in Science, Technology and Arts. I hope that the activities covered in this newsletter will inspire the student community to achieve greater heights.

Wishing all success!"

Dr. B Narasimha Murthy
Vice Principal



HOD'S COLUMN

Dear readers,

I am indeed glad to be writing this message for CMRIT 'Connect' Sep'22. Undeniably, the highlight of this time around the year is the stupendous performance shown by our pre-and final year students in scripting excellent placement records in their dream companies. In fact, they have upheld the legacy of steadily raising the notch of median- and the highest salary in campus jobs. It had been an uphill, yet pleasant, task for the faculty in engaging and challenging students in novel ways in the course of rooting excellence and professionalism in them. For instance, the

certification programs offered by CMRIT's Centre of Excellences lends an interdisciplinary vista, right in the first year, thereby instilling versatility in students. This newsletter issue highlights many such opportunities extended to faculty and students, and the manner in which all have emerged with flying colors.



Dr. B Rajendra Prasad Reddy
Professor & Head,
Dept. of Mechanical Engineering

INNOVATIONS, STARTUPS AND CoEs

Startups

- Prof. P Velraj Kumar, Prof. P Ramesh, Prof. Sumit Mohanty and Prof. Lokasree B S, of EEE Dept.



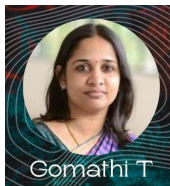
registered their startup enterprise TECHFORCE under @minmsme and having received the UDYAM registration certificate.

- Prof. Viji K, Prof. Anju Das, and Prof. Sumit Mohanty, of EEE Dept.



registered their startup enterprise REVOL2ROBO under @minmsme and having received the UDYAM registration certificate.

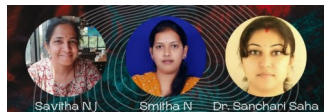
- Prof. Gomathi T of MCA Dept. registered her startup enterprise RYANAM LEARNING SOLUTIONS under @minmsme and having received the UDYAM registration certificate.



- Prof. Ashwini Patil of MCA Dept. registered her startup enterprise ARTRIUM under @minmsme and having received the UDYAM registration certificate.

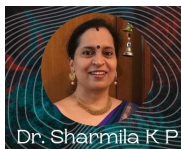


- Prof. Savitha N J, Prof. Smitha N, and Prof. Sanchari Saha, of CSE department registered



their startup enterprise AI TECH SOLUTIONS under @minmsme and having received the UDYAM registration certificate.

- Prof. Sharmila K P of ECE Dept. registered her startup enterprise ROOTERY



under @minmsme and having received the UDYAM registration certificate.

- Prof. Preeti Jacob of Civil Dept registered her startup enterprise AGRIHARAA under @minmsme and having received the UDYAM registration certificate.



- Prof. Raveesha K H, Prof. Fazlur Rahaman, Prof. Rajesh Gopal, Prof. Prabhat Gautam, Prof. A Suvitha, Prof. Priti Gupta and Prof. Shweta Gaur of BS & H Department registered a



startup enterprise KOUSHALYA PRAYOGAH under @minmsme and having received the UDYAM registration certificate.

IIC -I&E CELL

- Organized National Technology Day Celebration Event - Techo Quiz on 11th May 2022.
- Organized Internal Smart India Hackathon 2022 on 21st March 2022.



- Organized workshop on Developing Online Repository of Business Plan/Prototypes Developed and Way forward Plan by **Mrs. Sujaya Rao**, Co-founder – Teenr, Start-up Mentor & Entrepreneurship educator on 27th May 2022.
- Organized workshop on “Patent Drafting and filing” by Prof. Shanthi M. B., Prof. Sudha D and

Prof. Kesavamoorthy R on 29th & 30th June 2022.

- Organized Seminar on “Out of box thinking for Problem Solving” by **Prof V. Kamakoti**, Director, IIT, Madras on 28th June 2022.

- Institution’s innovation council(IIC) - CMRIT has organized a two-day I&E Exposure Visit cum Training Program by **Mr. Nayaz Ahmed**, Chief Operating Officer, Jain University Incubation Centre, **Mr. Sumit Mittal**, Founder & CEO, Trendytech, **Mr Arun Narayan**, Swami Co-Founder, Products & Solutions@ SmartHub.ai, **Mr. Nikhil Srinivasa Reddy** and **Mr. Sandesh**, Patent Attorney, K&S Partners, Prof. Shreekanth M Prabhu, Prof. Elumalai R and Prof. Asha Nair, CMRIT on 13th & 14th July 2022 sponsored by the MoE’s Innovation Cell under the Mentor-Mentee scheme 2021-22.



- Organized Expert talk on “Innovation and Startup Ecosystem” by **Dr. Prasanth** Deputy Dean (Industry & Academia) Cum Assistant Professor, IIC-President, KCET-Amristar, Punjab on 20th July 2022.
- Organized Expert talk on “Lean Start-up & Minimum Viable Product / Business - Boot Camp” by **Dr. Bhaskar Gupta**, Research scientist and Director, NITRA Technical campus, Director & Dean (A) at IIMT on 21st July 2022.

- Organized Two Day Workshop on Design thinking, Patent Drafting and Filing by **Dr. Nageswara Rao Atyam** and **Prof. Anju Das**, CMRIT on 20th & 21st July 2022.



- Organized Expert talk on “Angel Investment/VC Funding Opportunity for early stage Entrepreneurs ” by **Dr. Rajiv Iyer**, Dean-Academics, Head of Electronics and Telecommunication department , K.C. College of Engineering and Management Studies and Research, Thane on 27th July 2022.

- Organized workshop on “Patent Drafting and filing” by **Prof. S. Seetha**, CMRIT on 30th June & 1st July 2022.



- Organized Expert talk on “Understanding Technology Readiness Level(TRL)-Stages & Implications in Innovation Development” by **Mrs. Kavitha Karthikeyan**, Associate Professor & Head, Civil Engineering Coordinator – Internal Quality Assurance Cell Innovation Ambassador – MoE’s Innovation Cell (MIC), Prince Shri Venkateshwara Padmavathy Engineering College on 30th Aug 2022.

- Organized seminar on “Prototype / Process Design and Development - Prototyping” by **Dr. Deepali Kamthania**, Professor, School of Information Technology VIPS , New Delhi on 3rd Aug 2022.

- Organized seminar on “How to plan for Start-up and legal & Ethical Steps” by **Ms. Brinda Varma**, Founding Partner of Aekam Legal (Advocates & Intellectual Property Attorneys) IP Consultant, IISc , Bangalore on 3rd Aug 2022.

Center of Excellence

COE - Additive Manufacturing

- Organized webinar on “Industrial Safety Management” by **Mr. Veerabhadrappa G.K**, Manager, TwoK Pvt Ltd, Bengaluru. on 12th March 2022.

- Organized expert talk on "Industry Innovative Safety Solutions" by **Mr. G.K.Veerabhdarappa**,



- Manager, TwoK Pvt Ltd, Bangalore on 21st April 2022.
- Prof. Sagar M Baligheid, Prof. Chethan Kumar G, Prof. Maharudresh A C and Prof. Muralidhar of MECH Dept. participated in the International Project Exhibition "i2 Academic Pavilion 2022" at IMTEX FORMING 2022 and won the first prize for the project titled "Additive Manufacturing for Medical Implants" with the prize money of Rs. 50,000/-
- Organized webinar on "3D Printing for start-up and Entrepreneurs" by Prof. Sagar M Baligheid, CMRIT from 24th to 29th April 2022.



CoE – Cybersecurity



- CMRIT has signed an International MoU with Connected Computing & Media Processing Laboratory, Kyungpook National University, (KNU), South Korea.
- CMRIT has signed an MoU with Information Sharing and Analysis Center (ISAC).
- Organized Quiz on "Awareness on Cybersecurity" on 3rd March 2022.
- Organized expert talk on " Security aspects in Cloud " by **Mr. Akhil Dandamudi**, Senior Software Development Engineer, Thomson Reuters, Bengaluru on 6th April 2022.
- Organized expert talk on "Machine Learning for Cybersecurity " by **Dr. J. Somasekar**, Professor & HOD, CSE, Gopalan College of Engineering and Management, Bangalore on 4th May 2022.

- Organized expert talk on "Configuration of network security using Paloalto Firewall: live demonstration " by **Mr. Koti Reddy**, Founder SANS Bound solutions & Koti concepts, Bangalore on 1st June 2022.
- Organized expert talk on "Software Security Basics For Cutting Edge Cloud Computing Projects" by **Dr. Jyothi N M**, Associate Professor, Dept. of CSE K L University, Vijayawada on 6th July 2022.
- Organized an expert talk on "Application of Blockchain Technology in Research & Innovation" by **Mr. Naveen Saraswat**, CEO, Co-Founder of Sodio Technologies Private Limited on 3rd Aug 2022.

CoE - Sensors & Nano electronics

- Organized PCB design training on 9th & 10th March 2022.
- Organized expert talk on "Opportunities in Energy/core Technology Sector: How relevant are Engineering Skills in indian and Global context " by **Dr.Indranil Rudra**, Manager, Shell Technology Centre on 9th April 2022.
- Organized expert talk on "Bandgap Variations and Photodegradation" by Prof. Chaitanya Lekshmi, CMRIT on 27th July 2022.
- Organized expert talk on "Research towards the development of chemosensors for fluoride ion sensing" by Prof. Priti Gupta, CMRIT on 26th May 2022.
- Organized expert talk on "Advanced Research on Tiny Particles and its Impact on Air Quality" by **Dr. Sreekanth Vakacherla**, Senior Research Scientist, Centre for Air Pollution Studies, The Center for Study of Science, Technology and Policy (CSTEP) on 17th Aug 2022.



CoE – Modeling of Dynamical Systems

- Organized 1st International Conference on Futuristic Research In Modeling Of Dynamical systems (FRMDS'22) on 4th & 5th May 2022. Keynote address was delivered by **Dr. S.Sivasankaran**, Department of Mathematics King Abdul-Aziz University Kingdom of Saudi Arabia.
- Organized Seminar Competition on “Importance of PI:22/7 in Innovative Research” on 21st July 2022



CoE – Data Driven IoT

- Organized guest lecture on “Role of Cloud Computing in IoT ” by Prof. Senthil Velan, CMRIT on 28th March 2022.
- Organized expert talk on “Research and Start-up using Industrial IoT ” by Prof. J. Mannar Mannan, CMRIT on 13th May 2022.
- Organized expert talk on “Innovative IoT Solutions for Healthcare” by Prof. Harish L, CMRIT on 6th June 2022.
- Organized expert talk on “Communication Protocols in IOT” by Prof. Harish L, CMRIT on 21st June 2022.
- Organized expert talk on “Innovative Cloud Services for IoT ” by **Dr. Sunitha R**, Assoc. Prof, BNMIT, Bengaluru on 21st July 2022.
- Organized expert talk on “Innovative Applications of AI in IoT” by Prof. Harish L, CMRIT on 29th Aug 2022.

CoE – Natural Resource Management

- Organized seminar on “Geotechnical aspects of pavements” by Prof. Anusudha. V, CMRIT on 29th April 2022.

CoE - Metallurgical engineering

- Organized expert talk on “The role of Metallurgy



in Modern Society” by Prof. Bijayani Panda, CMRIT on 28th June 2022.

- Organized an expert talk on “Optical Microscopy for Research in Metallurgy” by Mr. Vishwanath A D, Senior Research Fellow, CMRIT, Research Scholar, CMRU on 26th May 2022



CoE - Materials Science

- Organized expert talk “Space exploration and innovation” by Prof. Raveesha K. H, CMRIT on 23rd March 2022.
- Organized expert talk “Nanostructured Metal oxides based Chemiresistive Gas sensor” by Prof. Ramdas Balan, CMRIT on 24th May 2022.
- Organized training on how to use ‘QUALAX’ software (Free) to identify crystalline phase of the given materials powder by Prof. Ramdas Balan, CMRIT on 27th July 2022.
- Organized Hands-on training on innovative nano-materials synthesis methods by Prof. Ramdas Balan and Prof. Tukaram Shet, CMRIT on 9th May 2022.
- Organized expert talk on Materials synthesis methods by Prof. Tukaram Shet, CMRIT on 18th Aug 2022.



CoE - Intelligent Robotic Systems

- Organized expert talk on “Model based Design approach for Embedded systems” by **Ms. Ruchi EYantra Lab – IIT Bombay** on 27th April 2022.

CoE – Financial Markets

- Organized Social Research on Financial Literacy in Chinnasandra on 7th May 2022.
- Organized Awareness Session for the Final Year Engineering Students on “Financial Management

& Business Analytics” by **Ms. Victorial D’sa**, Director of Stock Byte on 9th June 2022.



- Organized webinar on “Stockist in Stock Market” by Prof. Mohammad Irfan, CMRIT on 29th June 2022.



- Organized an expert talk on “Start-up Journey” by Prof. Mohammad Irfan, CMRIT on 30th June 2022.

- Organized an expert talk on “Alternative Finance (A Search for Personal Finance)” by **Ms. Victorial D’sa**, Director of Stock Byte on 25th July 2022.



- Organized an expert talk on “Stock BusiNews : An Innovation of investment” by Prof. Mohammad Irfan, CMRIT on 10th Aug 2022.

CoE - Intelligent Human Computer Interaction

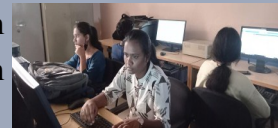
- Organized National Level Workshop on “Artificial Intelligence , High Performance Computing and Chip Design using OpenPOWER stack” by **Dr. Hari Subramoni**, Team Research Scientist, Ohio State University, **Dr. Abhinandan S.P** , IBM Champion, Cloud Computing Applied AI Researcher, **Dr. Satyadhyan Chickerur**, Head & Professor, Centre for HPC |K L E University, Hubballi on 13th May 2022.
- Organized workshop on “Research Paper Writing” by Prof. V. Ilango, CMRIT on 20th July 2022.

CoE - Signal Processing

- Organized an expert talk on “Reading and understanding a research paper” by Prof. Binish Fatimah, CMRIT on 30th April 2022.



- Organized an expert talk on “Effective writing skills for Research articles” by Prof. Binish Fatimah, CMRIT on 31st May 2022.
- Organized workshop on “MATLAB for beginners” by Prof. Binish Fatimah, CMRIT on 30th June 2022.
- Organized Five-day workshop on “LaTex” by Prof. Binish Fatimah, CMRIT from 3rd to 7th Aug 2022.



CoE - Embedded Systems

- Organized webinar on “Nano sensors for Agriculture applications” by Prof. Devaraj Somasundaram, CMRIT on 13th May 2022.

CoE - Machine Intelligence & Big Data

- CMRIT has signed MoU with Trendy Tech, Bangalore.
- Organized an expert talk on “Modeling for Research” by Prof. Poonam Vijay Tijare, CMRIT from 30th June 2022.



CoE - Drones

- Organized webinar on “Design of UAVs for Long Endurance” by **Mrs. Tanvi Praksh**, Manager, L&T Defence, Mumbai on 16th March 2022.
- Organized Short Term Training Program (STTP) on “Innovative Drone Design, Calibration and Applications” by **Dr. Vindhya Malagi**, Professor, CSE Dept, Dayanandasagar University, Bengaluru, **Dr. Parvathy Rajendran**, Associate Professor, School of Aerospace Engineering, Universiti Sains Malaysia, Prof. Aswini N, Prof. S S Hegde, Prof. Solai Manohar, Prof. Binish Fatimah, Prof. Raveesh Hegde, Prof. Archana Hombalimath, Prof. Mahommed Toufiq Hindustani, CMRIT from 30th May to 10th June 2022.



COE - Integrated Circuits

- Organized webinar on “Novel Semiconductor Devices” by Prof. Amit Jain, CMRIT from 30th April 2022.
- Organized an expert talk on “QCA: An innovative circuit design approach” by Prof. Sachin Aralikatti, CMRIT from 6th June 2022.

Makerspace

- Faculty training program was organized on "Digital Fabrication and 3D printing" by Prof. Sagar M. B and Mr. Infant Raj, CMRIT on 7th & 14th July 2022.



Patents

Following faculty have published Patents

S. No	Faculty involved	Department	
1	Prof. Prashant Hatti	Mech	
2	Prof. K.Chitra	EEE	
3	Prof. R. Joshua Samuel Raj	ISE	
4	Prof. Mannar Mannan J		
5	Prof. Devi Shivashankari		
6	Prof. Vijayalakshmi V		
7	Prof. Seetha S		
8	Prof. Ramya C		
9	Prof. Senthil Velan S		
10	Prof. Sugunadevi C		
11	Prof. Sam Gilvine,		
12	Prof. Sharon Roji Priya,		
13	Prof. Arvind R		
14	Prof. Poonam		CSE
15	Prof. R.Kesavamoorthy,		
16	Prof. Raja.M		
17	Prof. Vakula Rani	MCA	
18	Prof. Ilango		
19	Prof. Gnaneswari		
20	Prof. Parthasarathy P	ECE	
21	Prof. Meenakshi R Patil		
22	Prof. Somasundaram		
23	Prof. Sridevi S		
24	Prof. Sridhar N		
25	Prof. Meenakshi	BS-Maths	

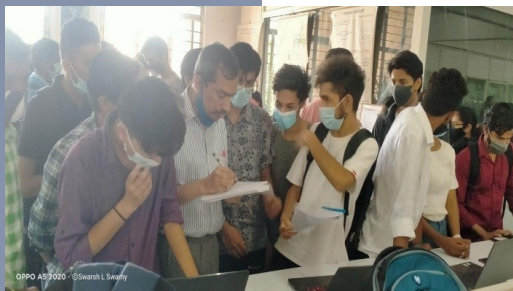
Following faculty have filed Patents

S. No	Faculty involved	Department
1	Prof. Rajendra Prasad Reddy	Mech
2	Prof. S Gopi	
3	Prof. Sagar.M Baligheid	
4	Prof. Harish P	
5	Prof. Puneeth Kumar	
6	Prof. Vijayananda Kaup	
7	Prof. Venkatesh Naik	
8	Prof. Narendra N	
9	Prof. Cyril S	
10	Prof. Manikandan H	
11	Prof. Shashank Dubey	
12	Prof. Navaneeth.B	
13	Prof. Chethan Kumar.G	
14	Prof. Smruti Rekha Swain	
15	Prof. Lakshmanan M	
16	Prof. Ranjitha R	
17	Prof. S.Solai Manohar	
18	Prof. ZAHID Nabi Dar	
19	Prof. Chinmaya Behera	
20	Prof. Diposhi Roy	
21	Prof. Nageswara Rao Atyam	
22	Prof. Priyanka Priyadarshini Padhi	
23	Prof. Reshma P Eldho	
24	Prof. Nithara P V	
25	Prof. Lokasree B S	
26	Prof. Chithra M	
27	Prof. Chaithanya S S	
28	Prof. Sanitha Michail C	
29	Prof. Geetanjali P	
30	Prof. D kodandapani	
31	Prof. Shailendra Baraniya	
32	Prof. Sutapa Sarkar	ECE
33	Prof. Ananth Kumar M.S.	
34	Prof. Suganya S	
35	Prof. R.Elumalai	
36	Prof. Amit Jain	
37	Prof. Eisha Akhansa	
38	Prof. Imtiyaz Ahmed	
39	Prof. Krishnateja	
40	Prof. Aswini	
41	Prof. Manjunath V.Gudur	
42	Prof. Pappa M	
43	Prof. Monika Singh	
44	Prof. Sharmila K P	

S. No	Faculty involved	Department	S. No	Faculty involved	Department	
45	Prof. Mahesh Kumar Jha	ECE	93	Prof. Suneetha	CSE	
46	Prof. Binish Fatimah		94	Prof. Aswathi		
47	Prof. Abhishek Javali		95	Prof. Navaneetha		
48	Prof. Richa Tenge		96	Prof. Archana		
49	Prof. Anindita sahoo		97	Prof. Anil D		
50	Prof. Rahul Tiwari		98	Prof. Sanchari Saha		
51	Prof. Ashutosh Srivastava		99	Prof. Jayanthi.N		
52	Prof. Sophiya Susan		100	Prof. Krishna Sowjanya K		
53	Prof. Raveesh Hegde		101	Prof. V N Manju		
54	Prof. Arun samimalai		102	Prof. Gomathi T		MCA
55	Prof. Abhilasha sharma		103	Prof. Vakula Rani		
56	Prof. Sridhar N		104	Prof. Moumita Roy		
57	Prof. Sridevi S		105	Prof. Varsha P		
58	Prof. Sachin Ariliketti		106	Prof. Ashwini Patil		
59	Prof. Sushma B		107	Prof. Divya R		
60	Prof. Niranjana L		108	Prof. Komala Devi		
61	Prof. Susmitha Alamuru		109	Prof. Sandhya Mooraka		
62	Prof. Preethi A		110	Prof. Shalini		
63	Prof. Farida Begam		ISE	111	Prof. Priti Gupta	BS-CHE
64	Prof. Sudhakar K.N			112	Prof. Prabhat Gautam	
65	Prof. R. Anand			113	Prof. Fazlur Rahaman	
66	Prof. Swathi. Y			114	Prof. Ayyappa. B	
67	Prof. Ms Akhila			115	Prof. Sudarshana R	BS-PHY
68	Prof. Divya Singh			116	Prof. Ramdas Balan	
69	Prof. Ashwini R Doke			117	Prof. Asha K N	BS-Maths
70	Prof. Seetha S			118	Prof. Pratap	
71	Prof. Raja.M		CSE	119	Prof. Hanumnatha Ravi	
72	Prof. R.Kesavamoorthy			120	Prof. Meenakshi	
73	Prof. P. Kavitha			121	Prof. Uma Raju	
74	Prof. Pushpa Mohan			122	Prof. Bharti Sharma	
75	Prof. Shanthi M B			123	Prof. Mohan N	MBA
76	Prof. Manoj Challa			124	Prof. Sanjeev Kumar	
77	Prof. Sudha Dantuluri	125		Prof. Mohammed Irfan		
78	Prof. Jagadishwari Palani	126		Prof. Ravi Kant Talluri		
79	Prof. Preethi Sheba	127		Prof. Vibha N Dalawai	Civil	
80	Prof. Sreedevi N	128		Prof. Dr.Praveen S		
81	Prof. Kiran Babu T S	129		Prof. Soundarya N		
82	Prof. Shivraj V B	130		Prof. Usha A		
83	Prof. Savitha N J	131		Prof. Hema HC		
84	Prof. Sherly Noel	132		Prof. Arun Kumar Yadav		
85	Prof. Sagarika B	133		Prof. Guruprasad H C (GC)		
86	Prof. Anjali Gupta	134		Prof. Surajit Munshi		
87	Prof. Pratham Majumder	13		Prof. Preeti Jacob		
88	Prof. Savitha S	136		Prof. M Sophia		
89	Prof. Kartheek G C R	137		Prof. Shivakumara M J		
90	Prof. Smitha N	138		Prof. Anusudha		
91	Prof. Shyamasree	139	Prof. Shijina K			
92	Prof. Manjula	140	Prof. Asha M.Nair			

DEPARTMENTS' TECHNICAL ACTIVITIES

- Dept. of Basic science organized INNOVATION – 2022 on 10th March 2022.
- Dept. of BS-Physics organized an expert talk on “Development of Hap Based Ceramics for Biomedical Applications” by **Dr. Pamu Dobbide**, Professor, Department of Physics & Centre for Nanotechnology, Indian Institute of Technology, Guwahati on 17th March 2022.
- Dept. of BS-Chemistry organized guest lecture on “Aerosol: Sources and Effects” by **Dr Padmavati Kulkarni**, Research Scientist in Air Pollution team, CSTEP on 7th April 2022.
- Dept. of CSE organized invited talk on “Challenges and Opportunities for Research in Cyber Security” by **Mr. Sreeshankar G**, Global Information Security Leader, National Cyber Security Scholar, CISCO, Senior Advisor, Information Sharing and Analysis Centre, New Delhi on 8th April 2022.
- Dept. of CSE organized an expert talk on “Innovation through Robotic Process Automation” by **Ms. Vaishnavi Suresh**, Automation engineer, RPA, AI, ML and cloud automation, Volvo Group on 13th April 2022.
- Dept. of CSE organized an expert talk on “Demystifying Data Engineering” by **Mr. Vishwas Narayana**, Azdev Lead, India on 13th April 2022.
- Dept. of EEE organized an expert talk on “Research Aspects on Power System operation” by **Mr.P.Prasada Rao**, M-Core Technologies Pvt Ltd on 13th April 2022.
- Dept. of CSE organized an expert talk on “Hands-on in Microsoft Azure for Product Development” by **Ms. Alagunila Meganathan**, Founder & CEO, Innovo Tree Technologies India Private Limited on 27th April 2022.
- Dept. of MCA organized an expert talk on “Artificial Intelligence based Entrepreneurial Project Ideas” by **Ms.Kokila**, Milestone Inc. - Bengaluru on 4th May 2022.
- Dept. of ECE organized an expert talk on “How to startup in India Legal and ethical ways.” by **Mr Nidhish Shetty**, CEO, Coredo India Ltd. , Bangalore on 19th May 2022.
- Dept. of CSE organized an expert talk on “Block Chain” by **Mr. Shashank Bishnoi**, Chief Operating Officer, Snipertex Pvt. Ltd., Bengaluru and **Mr. Abhay Kumar**, Chief Executive Officer, Snipertex Pvt. Ltd on 24th May 2022.
- Dept. of Civil organized an expert talk on “High Performance buildings for sustainability” by **Mr. Selvarasu**, Lead Consultancy Services on 25th May 2022.
- Dept. of ISE organized an expert talk on “LaTeX Workshop for High Quality Research Document Typesetting” by Prof. Senthil V, CMRIT on 6th June 2022.
- Dept. of Mech organized an expert talk on “Computer simulation mryhods for industrial process” by **Dr. N. Ravichandran**, Director, Value Engineering private ltd on 6th June 2022.
- Dept. of BS-Maths organized an expert talk on “Using Geometry to represent data for Innovative Research” by **Dr. Pradeesha Ashok**, Assistant



Professor, IIT Bengaluru on 28th June 2022.

- Dept. of Mech organized an expert talk on “Computer simulation and digitization in Manufacturing process ” by **Dr. N. Ravichandran**, Director, Value Engineering private ltd on 28th June 2022.

- Dept. of CSE organized session on "Leadership training program" by **Brij Sethi**, Process Facilitator on 14th July 2022.

- Dept. of ISE organized an expert talk on “Innovative Applications Using AI” by **Dr. Mohanraj Vengadachalam**, Machine Learning Lead Standard Chartered Bank on 22nd July 2022.



- Dept. of ISE organized an expert talk on “Open VIRTUAL RAN-5G” by **Dr. Vinosh Babu James**, Technical Standards Director, Associate, Qualcomm India on 23rd July 2022.



- Dept. of MCA organized an guest lecture on “Data Mining and Digital Agriculture” by **Dr. S S Patil**, Dept of Computer Applications, University of Agriculture on 13th Aug 2022.



INSTITUTE LEVEL CELLS

Club Activities

- **Marketing Chanakyas, HR, FINSE** club of **MBA** - Let's Start Up, Perception, Fin-Cross Word, Maze Runner, Role Play, Mock Stock, Ojas, Know Your Personality Through MBTI, Financial Analysis, Time Management, IPO Model.
- **PROLAB & SME** club of **MECH** - Multipurpose Product design Challenge, Product brand quiz, Innovative product design challenge, Workbench design for IT professionals, 3D Design challenge, MECHA GD, Best out of waste, RC CARWS, Workshop on Design Thinking And Prototyping, Trash to toys, Think Mechanical.
- **ENSAV & FEEE** Club of **EEE** - Awareness on Sustainable Development Goals, Quizzard, Energy Auditing for a Classroom, Hold the Floor, Fault Analyzer, Poster presentation on Electric vehicle using Renewable energy Resources, Techno voice, Intentive Reporting on Energy saving Lifestyle, Quizzard, Identifiers, Mind Puppets, Innovative Tech Extempore on Sustainable Cities and Communities, Creative Triathlon, Save 1 Unit Electricity Campaign.
- **ECO & SOCE** club of **Civil** - Environmental Auditing, Low Cost Housing, Agree-Culture, Creative Envi-Quest, Step Up, Birds Need you this Summer, Innovative Construction Of Bridge, Panel Game, Ancient vs Modern, Fun with CAD.
- **TECHNO TUNERS & PROTOCOL** club of **MCA** - Seminar on Web Technology, Innovative LOGO Design Contest, Create an Innovative Webpage, Introduction to Docker, Debug The Code, Salesforce, Containerization Platform.

- **DSC, Coding Ninjas, CODECHEF & RISE** club of ISE - Demystifying Data Engineering, ML Study Jams - Explore Machine Learning, Web Campaign : Web & Firebase, The Braille Coders, BuzzitUP, Ninjas Of The Metaverse, Knockout, Code Or Dare, GD on DSA/CP, Preseason of Coders Premiere League 2.0, Competitive Coding Contest.
- **GeeksForGeeks, HackerEarth, MindSpark, ACE, Moziety & Cybernauts** club of CSE - GFG April Rumble, Catch the Bug, TechnoBug, ctrl + intelligent, Quizical Suspects!, Get Set Code v3.0, Answer The Unanswerable, Mind Scribble on C Language, Java Hunt, Bootcamp on C++ and DSA, Cross Data, Mind Fizz, Bro Code, Code Warrior, GET-SET_LOGO, Fanatic Brains, Game Of Codes, Make Twitter Using Django, CODERUN 2.0, Cyber Quizz.
- **ETA, Connaissance, TAQ & Retract** Club of ECE - World Earth Day, Ideabate, Social Entrepreneurship, The path to starting a start up, SLIDUO, VLOGMANIA, Walkathon, ALCHETRON, Electronica Quizzee, Blow your Gaff -Skill up, Weird Gadget – Quizzee, Optical Illusion, Crypto, AnaLogico, App flaws 2.0, DC thinkers, Electronica-CloneIT.
- **CCA club of placement** - Get set gate, Mock Drive Infosys, SRT (Situation Reaction Test), Treasure Hunt, Quizzicals, Pick and Link, Smarticus (online).
- **Science club** of BS - Modern science and technology, Safe planetary Boundary Conditions, Quiz on Partial Differentiation, Importance of PI:22/7 in Innovative Research, Training on basic skills for science mini projects, Openbook Mathematics Competition, Physics Crossword puzzle, Let's Help Each Other, Poster presentation.

Non-Technical club activities

- **Iris Photography Club** - Advance Setting Workshop, Calm Before the Storm, Foodorama, Exposure Settings 
- **Muses Club** - Album X Art 4.0, Basics of Video Editing, Illustrator Workshop, UI/UX Workshop 
- **Minerva Club** - Anime Hangout Session, Carpe Diem, OPEN MIC, SEPTETS. 

- **ARTS Club** - Clay Modeling, Digital Art, Glass Painting, Pot Painting, Quilling, Still Life 
- **Theater Club** - Dramatic Circle, Improv, Monologue, Spoken Words 
- **AAROHAN Club** - Instrumental Audition, Jamming 2.0, Antakshari, Indian Solo Audition, Musical Workshop, Western Solo Audition. 

- **PREGOS Club** - Bollywood Dance Workshop, Western Dance Workshop.
- **Kannada Club** - Sannivesha Nammadhu Haadu Nimmadhu, Kill With Kavithe, Helping Non-Kannadiga's to learn Kannada by posting basics of Kannada

Professional Body Connect

- ISTE, Dept of mathematics - 5 Ways Engineers Use Pi – 14th March 2022.
- IE[I], EEE - Guidelines for Research Paper Presentation by **Dr. Pallavi Yarde**, Assistant Professor, Manipal University, Jaipur on 19th May 2022 .
- SCRS student chapter inaugural ceremony on 24th May 2022.
- IE[I], EEE – Project exhibition ZESTRIC 3.0 on 30th June 2022.
- ISTE student chapter, EEE - Introduction To Latex For Report Writing by **Dr. Bharati P. Vasgi** ,Associate Professor Department of Information Technology, Marathwada Mitra Mandal's College of Engg. Pune on 29th June 2022.



EE & C

- Organized seminar on “TOEFL Talks” by **Mrs. Jayashree Natarajan**, Senior Business Development Manager, at ETS India on 20th April 2022.



FOSS Cell

- Organized basic GIT and GITHUB workshop for all departments by Prof. Shivaraj, Prof. Shanthi MB, Prof. Pushpa Mohan, Prof. Ashwati, Prof. Sudhakar K. N, Prof. Anand R in the month of April 2022.
- Organized seminar on Foss contribution to education research by **Mr. Shijil T.V** on 15th June 2022.
- Organized seminar on Opensource contribution in



innovative projects by **Mr. ISH Bosamiya** on 16th June 2022.

- Organized training on Opensource CODE / DOCUMENT contribution by **Mr. Shijil**, FSMK on 14th & 29th July 2022.

Women Cell

- International Women’s Day 2022 celebrations @ CMRIT.



- Organized seminar on Basic Computer course by Manasa.G.H, CMRIT on 9th & 15th April 2022.
- Rakshita Raju, Manasa and Anisha visited Government School Yelahanka, Govt School Siddapura and Navapragyna School for training on Spoken English and Hindi Language on 8th & 15th June, 27th & 31st July 2022.
- Organized seminar on Employment awareness session on POSH Act by **Mrs. Pavana Lingaiah**, Advocate, POSH trainer, on 15th June 2022.
- Organized Interactive Session on the POSH ACT by **Dr. Padmakshi Lokesh**, A clinical psychologist ,Educationist, stress management specialist and personality development trainer on 26th July 2022.
- Organized Session on the Police support activities for women and awareness of traffic rules by **Mrs. Nagaramani**, Traffic police, HAL & **Mrs. Satyavani**, Bsafe Ambassador on 21st July 2022.
- Organized Session on sleep and stress management by **Dr.Padmakshi Lokesh** on 12th



Aug 2022.

EBSB Club

- Organized History of Kannada Cinema on 12th March 2022 and Cuisine of Karnataka on 13th March 2022.
- Organized Painting competition, Traditional Songs of Karnataka on 28th & 29th April 2022, Karnataka Gazette on 27th July 2022 & Poetry in motion on 27th Aug 2022.

SWE CMRIT

- Organized expert talk on “To be or not to be” by **Mr. Giridhar N V** on 2nd June 2022.



Well Being Club

- On the occasion of International Yoga Day, we were honored to collaborate with Infinity Dancea3 along with the Well Being Club for a yoga Session at CMRIT.
- Organized Faculty Well Being Session -Effective and Simple Yoga for Working People by Trinetra Yoga on 7th July 2022.
- Organized Stand-up comedy on 28th July 2022.



Entrepreneurship and Development Cell

- Organized Poster Creating Competition for UG Students (Online), Theme: Save Soil on 4th Aug 2022.
- Organized expert talk on Setting Stage for Statrup by **Mr. Thankeshar Singh**, Co-Founder Ientra Business solutions Private Ltd on 24th Aug 2022.

Academic Enhancement Cell

- Parents meeting held on 14-05-2022 @ CMRIT.



IQAC

- Organized Session on CO-PO and TYT Process by Prof. Swathi.Y and Prof. Mahesh, CMRIT on 4th May 2022
- Organized “The CMRIT staff orientation program” in May 2022. Around 250 faculties across all departments attended the program to learn about various initiatives of CMRIT. Our



beloved Shri K.C. Ramamurthy, Chairman, CMR Group of Institutions, presided over the function. In his address, he stressed the importance of having good human values and bonding with the students. He appreciated the efforts of all the Startup teams and encouraged them to grow their startup into a successful venture using the CMRIT ecosystem.

A total of 45 Faculty Awards were distributed by our beloved Chairman in various categories such as:

- * **Graduation outcome** - Prof. Ravikant Talluri (Civil), Prof. Navneet B(Mech)

* **Skills training and transformation** -

Prof. Shashank Dubey(Mech), Prof. Akhila(ISE), Prof. Varsha P(MCA), Prof. Jyothi M R (ECE).



* **Experiential learning** - Prof. Sushma, Prof. Monika Singh (ECE), Prof. Priti Gupta, Prof. Prabhat Gautam and Prof. Fazlur Rahaman(BS-CHE), Prof. Vibha N D(Civil)

* **Co-curricular learning** - Prof. Sagar MB(Mech), Prof Lokasree (EEE),

* **Pedagogy, Creativity, Participation** - Prof. Sherly

* **Faculty knowledge and skill** - Prof. P. Rajendra (BS-MATH), Prof. Kartheek(CSE), Prof. Tukaram (BS-PHY)

* **Processes and Perception Organization Databases and Activities** - Prof Sanitha(EEE), Prof. Chethan Kumar. G(Mech), Prof. Ramdas(BS-PHY), Prof. Pappa(ECE), Prof. Santosh Kathari (MBA)

* **Special Support/Achievement** - Prof. Moumita Roy(MCA), Prof. Kavitha P(CSE), Prof Keka, Prof Kashif (EEE), Prof. Shankar Narayan(BS-Maths), Prof. Sunil Kumar(ECE), Prof. Sachin N Gudimani(Placement). Non-teaching staff - Mr Lingaswamy(BA-PHY), Mr. Gopinath(MCA), Mr. Rajkumar, Ms. Kusuma Latha (EEE), Mr. Kishan Rao(ISE), Mr. Byre gowda(ECE).

* **Starups** - Prof. Savitha N J, Prof. Sanchari, Prof. Smitha N(CSE), Prof. P. Velraj Kumar, Prof. P.Ramesh, Prof. Sumit Mohanty, Prof. Lokasree (EEE), Prof. Sumit Mohanty, Prof. Anju Das, Dr. Viji K(EEE), Prof. Rajesh Gopal, Prof. Raveesha, Prof. Rehaman, Prof. Shweta Gaur, Prof, Prabhat Gautam, Prof. Priti Gupta, and Prof. Suvitha(BS-PHY), Prof. Preeti Jacob(Civil), Prof. Sharmila K P(ECE), Prof. Ashwini Patil, Prof. Gomathi

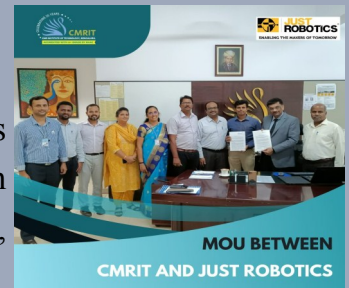
(MCA), Prof. Santosh(MBA), Prof. Ashutosh (ECE).

- Organized Session on "Flipped Classroom Model" and "Pedagogy as Best Practice by Prof.Gomathi-and Prof.Sherly, CMRIT on 8th June 2022.

INDUSTRY CONNECT

- Dept. of EEE has signed an MoU with BEELABS, Bangalore & MinMukhil Technologies,

- Dept. of ECE has signed an MoU with Just Robotics, Bangalore.



- Dept. of BS-Chemistry has signed an MoU with Prakruti Institute of Environmental Studies.

- Dept. of MBA has signed an MoU with Stockbyte, Bangalore.

- Dept. of ECE has signed an International MoU with iBuild Building Solutions, Australia.

- Dept. of ECE has signed an International MoU with UNIVERSITÀ DEGLI STUDI DEL SANNIO.

- Dept. of Civil had signed MoU with Ascend Centre for Entrepreneurship in Construction.



COMMUNITY CONNECT

- NSS CMRIT organized Plastic Survey on 21st March 2022.

- NSS CMRIT organized Free Eye Check Up Camp in association with Shankar Eye Hospital Bengaluru on 12th, 13th & 18th April 2022.



- NSS CMRIT organized Seed Ball Making on 18th April 2022



- NSS CMRIT involved in School Beautification at Haranahalli and D M Kurke, Hassan District on 29th, 30th April and 1st May 2022.



- Dept. of BS-Physics organized industrial visit to BEML, Kolar on 18th June 2022.



- Department of ISE organized industrial visit to U R Rao Satellite Centre, ISRO on 20th July 2022.



- Department of EEE organized industrial visit to Chamundi Electrical Industry, Hoskote on 29th July 2022.



- NSS Unit of CMRIT has signed an MoU with Yuvaka Sangha, Bangalore to facilitate volunteer programs for activities to be conducted by Campus2Community (C2C).



- On the occasion of World Environment Day, the Rotaract Club of CMRIT in association with IIC CMRIT, Eco Club, NSS-CMRIT and Save Soil Movement organized a Walkathon on 5th June 2022.



- NSS CMRIT organized Blood Donation Camp on 16th June 2022.
- NSS CMRIT in collaboration with Whitefield Ready NGO involved Service at Ramagondanahalli Government School from 24th June to 5th July 2022.
- NSS CMRIT in organized session on Digital Sathi- Training Housekeeping staff on using Androids Phones on 13th & 14th July 2022.
- NSS CMRIT in organized webinar on POSCO Act on 14th July 2022.

Eco Youth Startup Summit 2022

Eco Youth Startup Summit-2022 (EYSS) was organized by PSG and CMR University on 19th and 20th August, 2022 at CMR Institute of Technology, Bangalore. The EYSS



2022 summit is graced by **Shri Thawar Chand Gehlot**, Honorable Governor of Karnataka, **Shri Ashwath Naryana** Honorable Minister for IT & BT, Higher Education, Skill & Entrepreneurship, Govt. of Karnataka,



Shri KC Ramamurthy Former MP Rajyasabha, Chairman, CMR Group of Institutions, **Shri Ricky Kej** 2-time Grammy® Award Winner, UNESCO MGIEP “Global Ambassador for Kindness”, UNCCD “Land Ambassador”, UNICEF “Celebrity Supporter” & Ambassador for “Earth Day Network”, **Shri Gopal Arya**, National Convener, Paryavaran Sanrakshan Gatividhi, **Shri Trishta Ramamurthy**, Vice Chancellor & Provost, CMR University, **Shri Mekin Mahehwari**, Founder, Udhyaam Foundation, **Shri Thippeswamy**, Retired Executive Engineer, KIADB.



We received a total of 150+ registrations and 52 selected teams from different phases of their startup journey were invited to this competition to present their idea to the Jury. In parallel to the competition, the summit also featured master classes by experts, amazing panel discussions with eminent personalities, mentoring sessions, etc, which was witnessed by a 500+ audience.

Panel 1: Mindset of Entrepreneurs to create impact that lasts long

Moderator:

Arpit Rajain,
CEO, Worisgo,

Panelists:

1. Vaibhav Anant
Founder & CEO,
Bambrew.



2 Nirupa Shankar Director at Brigade REAP.
3. Richa Natarajan Partner - UC Impower.

Panel 2: Funding for Scaling

Moderator:

Suhas Gopinath,
CEO, Globals
Inc.

Panelists:

1. Vinit
Bhansali, Sr.
VP, Orios
Venture Partners.



2. Amitabh Saran, Founder & CEO - Altigreen Propulsion Labs.
3. Meena Nagaraj, IAS, Director IT & BT, Startup Karnataka.

Panel 3: It's Now or Never to build sustainable environmental enterprises

Moderator:

C.M.Patil, CEO,
Krishi Kalpa

Panelists:

1. Vinit Bhansali
Sr. VP, Orios
Venture
Partners.



2. Prashanth Prakash Founding Partner Accel Partners.
3. Naresh Narashimhan, Managing Partner & Principal Architect, Venkataramanan Associates.

TRAINING & PLACEMENTS

- **Mohd Azaan Sherani** from CSE secured 26.5 LPA + Benefits offer from **Amazon**. This is the highest salary job offer any CMRIT student got till date.
- **Raj Kumar Sony** from MCA secured **international offer** with a package of 20 LPA in Japan "through Zenken Corporation.



SIGNIFICANT ACHIEVEMENTS :

⇒ **Amazon** offered to 11 students with salaries **25.0 LPA to 26.5 LPA**

⇒ **50+ job offers** with salaries **10 LPA** and above.

⇒ 34 Software job offers for Mech students from various companies with salaries 3.0 LPA to 9.5 LPA.

⇒ 11 Software job offers for Civil students from various companies with salaries 3.0 LPA to 6.5 LPA.

- 7 students secured internship offers leading to placement in **Syncron** with a package of **10 LPA**.



- 4 students secured internship offers leading to placement in **Amadeus** with a package of **11.77 LPA**.
- 5 students got full-time offers from **FIS** with a package of 10.91 LPA.
- 4 students got full-time offers from **INFO EDGE** with a package of 12 LPA.

- CMRIT organized **Industry Campus Connect Day 2022** on 2nd June for BE and MCA pre-final year students. The objective of this to get students

ready for campus hiring and to hear from senior and experienced personnel from corporates on their expectations from freshers. CMRIT Professors, Initiative Leads and Department Heads



interacted with Corporate Delegates to understand the business and technology trends in the industry and presented CMRIT's Tie Your LACES (TYL) program, Industry Institute Collaborations and Student development programs to Delegates to get their views.

CMRIT Students learned the expected skills, culture and professionalism required to succeed in the corporate world. There were panel discussions on topics of

1. Technical Competencies and Readiness that Industry expects from Campus Hires
2. Expected Business Etiquette and Culture in the Corporate Industry

Chief Executives, Business Heads and Human Resource/Acquisition Leads talked on the career planning, converting a passion to a career, success stories, and how to grow in your job. Corporate personnel from KOCH, Surewaes, Ellucian, GobalLogic, Cognizant, Siena ECAD, SARCI, Smart Hub and Trendy Tech engaged with students and faculties for the whole day with panel discussions, keynote speakers and curriculum discussions.

- Organized Aptitude and Soft Skills training for B.E, MBA & MCA students.

- Career Labs conducted Career Counselling workshop for 2023 graduating students on 16th June.



- Global Logic organized Expert Talk on Technologies such as “Full Stack Development” and “Software Development Engineer in Test” and its opportunities in the industry on 16th June.



- KOCH's worldwide Data Science practice head visited CMRIT on 30th June 2022 and had interaction sessions on growth of “Data Science and Data Analytics” to faculty and student.



TIE YOUR LACES (TYL) Hackathons at CMRIT

- TYL Hackathon on Java is organized on 1st & 2nd June 2022.
- ⇒ Winners (First Place): Team: CodeWin
- ⇒ Members: Shiva Baidya(1CR19CS154), Amit Vikram(1CR19CS018), Shreyas S (1CR19CS159), Vishal Kumar Jha(1CR19IS174)

Companies visited


 Mercedes-Benz


 motorola


 KPMG


 wipro


 Microsoft


 Infosys®
 Navigate your next


 GlobalLogic


 COMMSCOPE®


 BOSCH


 ITC INFOTECH
 Business-friendly Solutions


 ITRIZON®
 HIGH IMPACT PROFESSIONAL SERVICES


 Johnson Controls


 FEDERAL BANK
 YOUR PERFECT BANKING PARTNER

& more..

CULTURA '22

CMR Institute of Technology organized our 13th annual Techno-Cultural fest Cultura'22 on the 24th and 25th of June, 2022. The inauguration this time was student-oriented, and 4 of our best academic achievers were invited as chief guests to grace the occasion and inaugurate Cultura'22. Around 30+ colleges participated overall in this fest. The total number of participants were around 1500+ and this helped us put forth an extravagant show.

The two day event ended with the valedictory for which we had Archana Jois, a renowned actress. Renowned social influencers such as Raghu Gowda and Anu Karagada amongst many more graced the occasion. Apart from that we had a guest appearance by the Ekka Raja Ekka Rani team and the Blink movie team who interacted with the audience. After the valedictory, we held a spectacular show whose tone was set by the talented DJ Nikhil. The incredible artist Romeo Blanco then proceeded to raise the roof with his incredible music to end the night on a high.



ORGANISING COMMITTEE



KASHIF AHMED



SHARANYA H M



SHREESHA S



ABHISHEK K



INDULEKHA T



VARSHA A



KAPILA N



FAWAZ A



NISHITHA S



NISHANTH B



G AASHIKA



SNEHA M



MONISHA M K



MADAN M



MRIDUL I



ANIRUDH J P



DHRUTHI H H



NAVYA



SAMEER



KSHITIJ



DEVADATHAN



ADITYA PANI



KARAN B



NITISH S

STUDENT COUNCIL

- Ahimaya, our very own Ethnic Day was celebrated on 21 June 2022.



STUDENT ACHIEVEMENTS

- A M Monica of MBA Dept. won 2nd Prize in Elements 7 – quiz at Krupanidhi Group of Institutions
- Bhanupriya U & Narayan SS of MBA Dept. won 1st Prize in Elements 7 – quiz at Krupanidhi Group of Institutions.
- Chandana Krishna V T, Cyril Martin, Deepak M & Girish Kumar N of MECH Dept. Won 1st Prize in i2 Academica Pavilion 2022, IMTEX, Bengaluru.
- Dhruv Sharma (ECE) of the theatre club secured 3rd position in the Act-O-Spot event at IIT Jammu Fest Renao'22.



- Likith V P of ISE Dept. has been recognized as NPTEL Believer - "NPTEL Star" badges.
- Madakari Nayaka H M(1CR20CS107), Prabhakar G(1CR20CS136), Vignesh A M(1CR20IS183), Krishna Kant Gupta(1CR20IS084) participated in State level Engineering students project exhibition competition Srishti 2022 secured 2nd place and price money of 15k.



- Pratik Mukesh Bharuka, Vaishnavi Patil, Arpan Abhishek & Yashwanth Jain of CSE Dept. won 1st place in TiE Pitchfest-2022.
- Shreya Reddy A, Anusha M (CSE), Vandana, and K SreeLakshmi (ISE) participated in State level Engineering students project exhibition competition



exhibition competition Srishti 2022 and secured 3rd place.

- Siddarth Hudedamani of EEE Dept. won 1st Prize in Quiz (Intellectual property rights) Competition at SIR MVIT college.
- Vaibhav B, Mohnish Kamalaksha (ECE), Louise Patra, Manisha Kumari, Devadathan Menon, Adithya Anbazhagan (CSE) received first prize at the Smart India Hackathon (SIH) 2022. (Nodal center: Mumbai). The team was mentored by : Dr Sharmila K P, Dr Adarsh Rag S & Pratik Mukesh Bharuka
- Vishnu Mohan of EEE Dept. won 1st prize in the State of Karnataka

In the 4th Online Round of National Inter-college Crossword Expedition 2022.



- Mr. Zain Ahmed N (CSE) for acting as a Technical Expert/Evaluator in the Hardware Edition at the SMART INDIA HACKATHON - 2022 (Nodal Centre: Reva university, Bengaluru).



- Music Club - Team Aarohan has secured 2nd Place in the Group Song (Western) event at the State Level 21st VTU



Youth Festival PRATHIBHOTSAVA 2022 held at BMS College of Engineering from 29th to 31st of July 2022 and have Won Pure Silver Medals.

- Theatre Club - Mad Ads Team, secured 2nd Place in the Mad Ads event at RVCE Fest Halla Bol 2022.



- Music Club - Indian Fusion Music Team won First Place in Indian Fusion Music at them NHCE Fest REVELATIONS 2022.

- Fashion Team of CMRIT won 1st Place in Group Ramp Walk at the Global Academy of Technology Fest INTERACT-2022.



Sports Achievement

- Shathvik S of ISE Dept. Participated in VTU Cross country competition at VKIT college Bangalore and secured over all 5th place and got selected for All India Inter University Cross country championship.



- Vikas Bhambhu of CSE Department got selected for All India Inter University South Zone Cricket championship.



- Tug Of War team participate in State level VTU Single zone tournament at BMSCE college Bangalore and secured 3rd Place.



- L Priyanka Reddy of ECE Dept participated in PRO National Open Kickboxing Championship-2022 Secured Second Place (Silver).



- KHO-KHO Men's Team Participated in VTU Bangalore



- Central Zone KHO-KHO Tournament and Secured Second Place (Runners).

- CRICKET Men's Team Participated in VTU Bangalore Central Zone Cricket Tournament and Secured Second Place (Runners).



- Handball Team Participated in St Joseph College sports fest SPORTSTAKES-2022 secured first Runners up place.



- Vineet Kumar Rana of ISE Dept. Participated in the 23rd VTU Annual Athletic Meet 2021-22 and Secured Second Place in 110 Hurdles and won Pure Silver Medals.



- Tug of War Team Participated in REVELATION-22 Tug of war competition and secured First Place (Winner).



- M Mamathy of CSE dept. participated in national level karate championship and secured silver medal in kumite event in above 18 years-under 55 kg category.



Centum Achievement

- S Monicashree (1CR20EC140) secured centum in Transform Calculus, Fourier Series and Numerical Techniques under Prof. Uma Raju.
- Harshitha (1CR20IS071) secured centum in Transform Calculus, Fourier Series and Numerical Techniques under Prof. Hanumantha Ravi.
- Bhakti Sharma (1CR21AD013), Monika S (1CR21AI035), Asha B V (1CR21EC033), Caren Elrin DSA (1CR21EC054) secured centum in Engineering Chemistry under Prof. Priti Gupta.
- Affan (1CR21CS015), Devesh Bardia (1CR21CS061), Prabhu M (1CR21CS127), Pranav Kumar (1CR21CS129), S Esha (1CR21CS154), Sameer Singh (1CR21CS162), Sudiksha Biradar (1CR21IS161), Sumit Prakash (1CR21IS162), Vishal Sangtani (1CR21IS179) secured centum in Engineering Visualization under Prof. Vinay M N.
- Mekhala Bekal (1CR21CS100), Nilesh Kumar (1CR21CS116), Paradarami Susil Renu Sree (1CR21IS109), Sai Suhas P G (1CR21IS133), Zayed Ali (1CR21IS187) secured centum in Engineering Visualization under Prof. Shreyas P.
- Abhinash Raul (1CR21CS004), Anirudh Rai (1CR21CS028), Hari Prasad B (1CR21CS069), Meghana Nandipati (1CR21IS093) secured

centum in Engineering Visualization under Prof. Puneeth Kumar N.

- Aditi (1CR21CS008), Kritika (1CR21CS083), Lakshmi Rajeev (1CR21CS085), Sahil Prashant Jadhav (1CR21CS158), Preetesh R Shetty (1CR21CS137) secured centum in Engineering Visualization under Prof. Harish P.
- S Varshini (1CR21CS155), Uday Kiran R H (1CR21CS199), Amitha R (1CR21IS019) secured centum in Engineering Visualization under Prof. Maharudresh A C.
- Kiranpal H (1CR21CS079), G Sandhya (1CR21IS052), Shivaraj Mahantesh Itagi (1CR21IS146) secured centum in Engineering Visualization under Prof. Chethan Kumar G.
- Sreepriya Pasikanti (1CR21CS184), Hari Prasad B (1CR21CS069), Lakshmi Rajeev (1CR21CS085), Jahnvi Undela (1CR21CS074), Kritika (1CR21CS083), Shreya (1CR21IS148), Abhinav Baranwal (1CR21CS005), Lambodar Maruti Naik (1CR21CS086) secured centum in Calculus and Differential Equations under Prof. Rajendra P.
- Affan (1CR21CS015), Priyanka (1CR21CS139), Mayank Patel (1CR21CS097), Prajwal J (1CR21CS128), Ritesh Kumar Singh (1CR21CS149) secured centum in Calculus and Differential Equations under Prof. Shweta Gaur.
- Monika S (1CR21AI035), Libin Martina D (1CR21AD029), Nethra Nair (1CR21AI037) secured centum in Calculus and Differential Equations under Prof. Shankar Narayan.
- Keerthi A Reddy (1CR21AD025), Vanshika Mitta (1CR21AD025), Hemanth Reddy S (1CR21EC089), Vaishnavi N (1CR21AI060) secured centum in Calculus and Differential Equations under Prof. Nidhi Vaishnav.

FACULTY ACHIEVEMENTS

- Prof. Abhilasha Sharma of ECE Dept secured 57th rank in all over India in the coding competition "Techgig: Code Gladiator 2022".
- Prof. Abhisek Midya of ISE Dept. have been invited as one of the main speaker in an annual meeting on formal method at IIT Delhi.
- Prof. Anju Das, Prof. Nageswara Rao Atyam, Prof. Sanitha Michail C, Prof. Keka Mukhopadhyaya (EEE), Prof. Aswini N, Prof. Abhishek, Prof. Jyoti M Roogi, Prof. Krishna Teja, Prof. Sridhar, Prof. Sharmila, Prof. Susmitha Alamuru, Prof. Sutapa Sarkar (ECE), Prof. Rajendra (BS-Maths), Prof. Sagarika Behera, Prof. Sanchari Saha (CSE), Prof. Usha (Civil), Prof. Vakula Rani, Prof. Varsha (MCA) received Elite+Silver Certificate in NPTEL.
- Prof. Aswini N of ECE Dept. served as a Journal reviewer in the Malaysian Journal of Medicine & Health Sciences.
- Prof. Anju Das of EEE Dept served as a Resource person at Webinar on “Design thinking with an Entrepreneur spirit ” at Oxford College Of Engineering.
- Prof. Bijayani Panda of MECH Dept. have been invited as a Jury member for the Weldfab Tech awards 2022, hosted by WeldFab Tech Times magazine.
- Prof. Chaithanya Lekshmi Indira of BS-Chemistry Dept. served as a Journal reviewer in the Journal reviewer in the FRMDS 2022.
- Prof. Chaithanya Lekshmi Indira of BS-Chemistry Dept. invited as a Chairperson at National Symposium in Electrochemical Science & Technology conducted, IISc, Bengaluru.
- Prof. Chinmaya Behera of EEE Dept. served as a Journal reviewer in the International Transactions on Electrical Energy Systems, Wiley journals.
- Prof. Geethanjali, Prof. Nithara P V, Prof. Priyanka Priyadarshini Padhi, Prof. S.Solai Manohar (EEE) received Elite Certificate in NPTEL.
- Prof. Kesavamoorthy R of CSE Dept. have invited as a Session Chair at IEEE - ICACCS 2022
- Prof. Kiran Babu T S of CSE Dept. invited as a Chairperson at NCRTEST - 2022.
- Prof. Manoj Challa of CSE Dept. served as a Resource person at KSTA workshop on Artificial Intelligence Revolutionizing Agriculture.
- Prof. Manoj Challa & Prof. Mahesh Kumar Jha of CSE & ECE Dept. have visited Amrita Vishwa Vidyapeetham for external NBA inspection on 6th April 2022.
- Prof. Manoj Challa of CSE Dept. served as a BOE member New Horizon College of Engineering.
- Prof. Nageswara Rao Atyam of EEE Dept served as a resource person at webinar on Development of behavioral aspects of Entrepreneurship skills.
- Prof. Paras Nath Singh of CSE Dept. served as a Journal reviewer in the IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2022).



- Prof. Poonam of CSE Dept. received \$47 scholarship award – SWE.
- Prof. Raja M of CSE Dept. have invited as a Session Chair at International Conference on Computer Vision and Robotics (CVR 2022).
- Prof. Savitha N J of CSE Dept. Received **Elite+Gold** Certificate in NPTEL.
- Prof. Swathi Y of ISE Dept. served as resource person at workshop on AI In Agricultural Drone Research for Precision Agriculture.
- Prof. Shankar Narayan of BS-Maths Dept. served as a Journal reviewer in the International Journal of Modern Physics B.
- Prof. Sanjeev Kumar of MBA Dept. received Best Faculty in Engineering, Arts and management (BFEAM-2022) by Knowledge research academy.
- Prof. Shivakumar B N of BS-Maths Dept. served as a Resource person at a Workshop on Python-based introduction to Applied Mathematics and career opportunities organized by Sri Jagadguru Renukacharya College of Science, Arts and Commerce on 4th Aug 2022
- Prof. Sudha D of CSE Dept. served as a Resource person at MoE's IIC Regional Meet 2022 on 16th Aug 2022.
- Prof. Shilpa Pande of ISE Dept. received Elite+Silver Certificate in NPTEL.
- Prof. Vakula Rani J of MCA Dept. served as a Resource person at Mentor-Mentee Orientation cum Vision Building Funding Schemes for Start-up "on 25th May 2022.



Ph.D. Awardees



- **Prof. N Jayanthi** of CSE department has been awarded with Doctor of Philosophy (Ph.D) in Data Mining from K L University, Vijayawada.

- **Prof. Sushma TS** of BS-MATHS department has been awarded with Doctor of Philosophy (Ph.D) from VTU.



- **Prof. Radhakrishnan** of CSE department has been awarded with Doctor of Philosophy (Ph.D) in Computer Science and Engineering from Amrita Vishwa Vidyapeetham .

- **Prof. Harsha B K** of ECE department has been awarded with Doctor of Philosophy (Ph.D) in ECE from VTU.



- **Prof. Robert** of AI&ML department has been awarded with Doctor of Philosophy (Ph.D) in Computer Science and Engineering from Anna University, Chennai.

Research Publications

Following faculty published research papers in various SCOPUS indexed journals.

CSE		EEE	
<ul style="list-style-type: none"> • Prof. Aswathi.S • Prof. J.Suneetha • Prof. P.N.Singh • Prof. Savitha N J • Prof. Smitha N • Prof. Sagarika • Prof. Shanthi MB • Prof. D.Sudha • Prof. Anil.D • Prof. Poonam • Prof. P.Kavitha • Prof. Navaneetha • Prof. Sreedevi N • Prof. M.Raja • Prof. Jagadishwari 	<ul style="list-style-type: none"> • Prof. Sanchari Saha • Prof. Manoj Challa • Prof. Kartheek G C R • Prof. Kiran Babu T S • Prof. Pratham Majumder • Prof. Shreekanth M Prabhuh • Prof. Anjali Gupta • Prof. Shyama Sree • Prof. G.RadhaKrishnan • Prof. Preethi Sheba • Prof. Archana Hombalimath • Prof. R.Kesavamoorthy • Prof. Sugato Chakrabarty 	<ul style="list-style-type: none"> • Prof. M.Lakshmanan • Prof. Nithara P V • Prof. Ranjitha R • Prof. Chithra M • Prof. Geetanjali P • Prof. Viji K • Prof. Lokasree B S • Prof. D Kodandapani • Prof. Chaithanya S S 	<ul style="list-style-type: none"> • Prof. Chinmaya Behera • Prof. Keka Mukhopadhyaya • Prof. Sanitha Michail C • Prof. Reshma P Eldho • Prof. Nageswara Rao Atyam • Prof. Shailendra Baraniya • Prof. S Zahid Nabi Dar
ISE		Mechanical	
<ul style="list-style-type: none"> • Prof. Sudhakar K N • Prof. Anand R • Prof. Swathi.Y • Prof. Ganesh D R • Prof. Akhilaa • Prof. Ramya C • Prof. Srividya R • Prof. Sugunadevi C • Prof. Divya Singh 	<ul style="list-style-type: none"> • Prof. R Joshua Samuel Raj • Prof. Chithambarathanu M • Prof. Abhishek Midya • Prof. Vyshali Rao K P • Prof. Vijayalakshmi V • Prof. Senthil Velan S • Prof. Sharon Roji Priya • Prof. J. Mannar Mannan • Prof. Sam Gilvine Samuel 	<ul style="list-style-type: none"> • Prof. Arunkumar T • Prof. Gopi S • Prof. Harisha P • Prof. Shashank Dubey • Prof. Sagar M Baligheid 	<ul style="list-style-type: none"> • Prof. Puneeth Kumar N • Prof. Venkatesh Naik • Prof. Prashant S. Hatti • Prof. Smruti Rekha Swain • Prof. Rajendra Prasad Reddy
		Civil	MCA
		<ul style="list-style-type: none"> • Prof. Praveen S • Prof. Surajit Munshi • Prof. M. Sophia, M.A • Prof. Ravikant Tal-luri 	<ul style="list-style-type: none"> • Prof. V.Ilango • Prof. Vakula Rani J • Prof. K Komala devi
BS Department			
Physics			
<ul style="list-style-type: none"> • Prof. S. S. Hegde 		<ul style="list-style-type: none"> • Prof. Ramdas Balan 	
Mathematics			
<ul style="list-style-type: none"> • Prof. K.Meenakshi • Prof. Hanumantha Ravi 		<ul style="list-style-type: none"> • Prof. Prathap D • Prof. Uma Raju • Prof. Asha K N 	
Chemistry			
<ul style="list-style-type: none"> • Prof. B. Narasimha Murthy • Prof. Chaitanya Lekshmi Indira 		<ul style="list-style-type: none"> • Prof. Ayyappa. B • Prof. Fazlur Rahaman • Prof. Priti Gupta • Prof. Prabhat Gautam 	

For more details on Research @ CMRIT please visit:
<https://sites.google.com/cmrit.ac.in/research-committee/publications>

Proposals

Following faculty received research/project grant amount from various finding agencies.

Faculty Involved	Funding Agency	Amount Sanctioned
<ul style="list-style-type: none">Prof. Viji KProf. Diptoshi Rai	ATAL FDP, AICTE	Rs. 3,00,000
<ul style="list-style-type: none">Prof. S.Solai ManoharProf. Nageswara Rao A	ATAL-FDP	Rs. 3,00,000
<ul style="list-style-type: none">Prof. Sagar M BaligheidProf. Chaitanya Lekshmi Indira	VTU-RPS	Rs. 14,80,000
<ul style="list-style-type: none">Prof. Sagar M BaligheidProf. Maharudresh A C	Karnataka State Council for Science and Technology (KSCST)	Rs. 6,000
<ul style="list-style-type: none">Prof. Pappa MProf.Sharmila K P	VTU-RPS	Rs. 6,00,000
<ul style="list-style-type: none">Prof. G.Radhakrishnan	Karnataka State Council for Science and Technology (KSCST)	Rs. 3,500
<ul style="list-style-type: none">Prof. Chaitanya Lekshmi IndiraProf. B. Narasimhamurthy	DST-Technology Mission Division	Rs. 9,00,000
<ul style="list-style-type: none">Prof. Parthasarathy PProf.Swathi.Y	SERB UBA	Rs. 19,87,000 Rs.68,965
<ul style="list-style-type: none">Prof.Reshmi P.Eldo	Karnataka State Council for Science and Technology (KSCST)	Rs,7,000
<ul style="list-style-type: none">Prof.Vibha N Dalwai	Karnataka State Council for Science and Technology (KSCST)	Rs.5,000

Consultancy

Following faculty received consultancy amount from various finding agencies.

Faculty Involved	Funding Agency	Consultancy Amount Generated
<ul style="list-style-type: none">Prof. Imtiyaz Ahmed B K	SiliconShelf	Rs.10,000
<ul style="list-style-type: none">Prof. R. Elumalai	Technilab Instrument	Rs. 1,00,000
<ul style="list-style-type: none">Prof. Sagar M Baligheid	ASNU 3D TECH PVT LTD	Rs. 30,000
<ul style="list-style-type: none">Prof. Sagar M Baligheid	IMTEX	Rs. 50,000
<ul style="list-style-type: none">Prof. P.Kavitha & Prof.Pratham Majumder	SARCI Automation Pvt.Ltd	Rs.1,00,000
<ul style="list-style-type: none">Prof. M.Raja	Indian Servers Pvt.Ltd	Rs. 30,000
<ul style="list-style-type: none">Prof. R.Kesavamoorthy	Kalpavruksha Travel Solutions Pvt.Ltd,Bangalore for submitting AFT design document	Rs. 5,000
<ul style="list-style-type: none">Prof. Meenakshi Patil	Procom enterprises	Rs.10,000
<ul style="list-style-type: none">Prof. Naveen Kumar G.N	Patil Industries	Rs. 2,000
<ul style="list-style-type: none">Prof. Pushpa MohanProf. Jagadeshwari	SEINNA ECAD TECHNOLOGIES	Rs. 25,000
<ul style="list-style-type: none">Prof. V.Ilango	Kuwait Research Foundation, NMIT	Rs. 40,081
<ul style="list-style-type: none">Prof. Sharmila K P	Texas Review	Rs. 10,000

UPCOMING ACTIVITIES

Activities planned for the next academic Semester Sept 2022 – Feb 2023.

Date	Activity	Department / Cell
8 th & 9 th Sep 2022	2 Days FDP on ESP 32 programming for Mobile Robots	CoE IRS
9 th Sep 2022	Webinar on “ Innovative Project Development Using Tinker cad”	CoE IES
16 th Sep 2022	Expert Talk on Pyrene-Based Chemosensor for detection of picric acid	CoE- Sensors& Nanoelectronics
1 st Oct 2022	Yoga sessions for students - An Introduction	Well Being Club
19 th Oct 2022	Setting the Stage for Startups: Startup Consultancy Program	EDC, Dept. MBA
27 th Oct 2022	Webinar on "IoT and Data Analytics	CoE -DDIOT
29 th Oct 2022	One Day FDP on Experimental Based Classroom Teaching For PU College Teachers	BS-Chemistry
2 nd Nov 2022	Cyber Jagrookta Diwas - Session on Blockchain	Cybersecurity CoE (CCoE)
18 th Nov 2022	Self-defence session	Women Cell
23 rd Nov 2022	Workshop on "New Product Development"	Mech
25 th Nov 2022	POSH session	ASH committee
15 th & 16 th Dec 2022	C2i4 3rd International Conference	EEE
22 nd Dec 2022	National Mathematics Day Celebrations 2022	BS-Mathematics
17 th to 21 st Jan 2023	FDP on Applications of Discrete Maths	CoE-MDS
26 th Feb 2023	Guess From Dress	EBSB Club

ALUMNI ASSOCIATION

Notable Alumni

CMRIT alumnus **Amith Nadig (2004-2008)** comes from a family of musicians and is one among the topmost flutists of India today. He is the son and student of flautist Vidwan B.K. Anantharam. He underwent training under Padma Bhushana Sangeetha Kalanidhi Dr.R.K.Srikantan



to learn the finer aspects of the Gayaki Style of flute playing for almost 2 decades. One of the youngest "A" graded artists of All India Radio, Amith has toured USA, Germany, Switzerland, Italy, France, Austria, Finland, Estonia, Morocco, Malaysia, Abu Dhabi and other countries on multiple occasions on concert tours and regularly performs with top musicians from India and abroad. He effortlessly adapts his playing to perform with musicians from different genres of music including Karnatic, Hindustani, Jazz, Fusion etc. which makes him a very sought after flautist of India today. A recipient of Ananya Yuva Puraskara and the Annual Youth Award from Rama Lalitha Kala Mandira, Amith has the distinction of having been invited as a guest to perform with the world renowned HR Big Band for the German Jazz Festival. Amith works as a Senior Project Manager at Netserv, Bangalore and also is an accomplished organic farmer.

- Dept of Civil organized alumni talk on "Revolution in Job trends" by **Manjunath S M**, Property First, Bengaluru on 2nd June 2022.
- Dept of ISE organized alumni talk on "MBA opportunities after Engineering" by **Ms. Utsa Bhattacharyya**, Infosys on 9th June 2022.

- **Sai Swaroopa (2002 Batch)** have been awarded the STREE SHAKTI award as a novelist.
- Dept of BS-Maths & COE-Modelling of Dynamical Systems jointly organized alumni talk on "Projects and Innovation" by Ms.Yashaswini.G, Deloitte, Interned at HAL on 13th Aug 2022.



Alumni Meet:

- Alumni meet held on 09-04-2022 @ CMRIT.



Connect to CMRIT Alumni network -
<https://alumni.cmr.ac.in>

ARTICLES/PAPERS

AMAZON WEB SERVICES (AWS)

AWS is a cloud service which is built by amazon, that provides services in the form of building components, these building components can be used to create and deploy any type of application in the cloud. These services or building components are designed in such a way that they can interact with each other to serve a higher purpose, which can result in a better application which is scalable as well as durable. Each type of service is categorized under a domain, the few domains which are widely used are: Compute, Storage, Database, Migration, Network and Content Delivery, Management Tools, Security & Identity Compliance and Messaging. The most important reason why most of the startups and new companies are moving to aws services is because these services only charge you when they are being used. To build you must examine, software requirements. Is it something that calls for you to be worried about the underlying infrastructure? Is it something that requires a database? Is it something with a purpose to require tracking? So, as soon as you realize all of the necessities approximately your application, you may select the domain, and therefore select a service. Like as an example, you need to installation an utility in AWS, which does now not require you to fear approximately the underlying architecture, which provider will you select? properly, in that use case a carrier called Elastic Beanstalk can be used. You just add your software, and AWS does the relaxation for you. It's that simple! Of direction, you wouldn't know approximately any



Jigyasa,
Alumna (2018-22)

of these offerings without the usage of them. That's why AWS came up with a notable free-tier choice called burner account, in which they don't charge for the maximum of the offerings.

ROLE OF CIVIL ENGINEERS

Utilizing the expertise and knowledge of civil engineers, shaping the World attempts to address some of the world's most challenging problems. These global issues include things like increasing urbanization and population pressures, the effects of climate change, energy and water shortages, and natural and man-made calamities. The creation of infrastructure that is essential to the survival of our civilization has benefited greatly from engineering. We have been able to create bridges, dams, tunnels, and expressways because of our thorough understanding of civil engineering. We have also learned how to deal with traffic jams, natural catastrophes, and other challenging situations. One of the most crucial abilities a civil engineer can have is the capacity to envision how something will look once it is completed and how complicated components will fit together. One of the top five in-demand engineering positions for the foreseeable future and one of the most lucrative career paths is civil engineering. Numerous professions, industries, specialties, and individuals from numerous domains, including railway engineering, structural mechanics, geotechnical engineering, building materials, project management, and structural design and hydraulics, are all included under the scope of



Dr. Sophia M,
Assistant Professor,
Dept. of Civil Engg.

civil engineering. Civil engineers, by constructing our society's infrastructure, essentially construct the nation's history. One may only comprehend the significance of civil engineers' work and their numerous obligations by delving deeply into their duties.

A STUDY ON THE ROLE OF GAMIFICATION STRATEGY IN BUSINESS

Game is an activity that one engages in for amusement or fun. Games teach us the value of discipline and sportsmanship in life. It also helps in the development of our character and positive outlook. Now, what has games to do with companies? Well, numerous businesses are adopting gamification strategies and game-style incentives to increase customer interest and engagement to change their target market's perceptions towards their brands. Gamification is a deliberate effort to improve activities, services, organizations, and systems by imitating the experiences of playing video games in order to engage and encourage users. The objective of gamification is to inspire users to engage with the content, especially with the tasks that are not very enjoyable, such as compliance training, in-depth safety training program. Consumers are motivated to take an action in gamified marketing because it includes elements of competition or reward. Gamified loyalty programmes, interactive tests, and other forms of gamification marketing are possible. Simple game elements can include points, badges, levels, virtual currency, leaderboards, countdowns, progress bars etc.

Gamification marketing is excellent for grabbing customer's attention and also provides useful information. Businesses might ask for a customer's name and contact information in exchange for an enticing prize. Or just ask for their name to be added

to a leaderboard. Companies can add customers to your marketing email list after gathering their information so you can send them badges, newsletters, or discounts. Gamification is also gaining popularity among marketers because it encourages consumers to produce and distribute user-generated content (UGC). People utilizing branded hashtags to enter contests or posting their greatest racing game times on social media constitute priceless, natural word-of-mouth advertising. It's difficult since it calls for knowledge of motivational psychology with the added objective of influencing user behavior. In other words, businesses need to create a game that people want to play as well as one that serves the business to meet commercial objectives.



**Ranjit
(ICR21BA090)**

WATER SAVING DEVICE IN SOLAR GEYSER

While drawing water from solar water heaters it is observed that the initial 25-50 liters are cold. This is due to the lack of a thermal insulator in the hot water delivery pipes. This water is generally wasted. It is proposed to develop a thermocouple-based control loop with a valve to route the initial cold water back to the sump. This will eliminate wastage of water and is important in situations of scarcity which we are now facing. This article primary concern is the availability, usage, and sustainability of Earth's natural resource -potable water, which is fast depleting in recent times. There are several cities in the country where water scarcity is chronic and often acute. Wastage of water should be avoided in these situations. By adopting the project idea, the estimated saving will be around 10000 liters per hotel per day. Hence it is of immediate social relevance. This work

will prevent the wastage of fresh cold water in solar water heater insulations both in the commercial and domestic segments. It is of societal impact because the wastage of water is eliminated both in homes and commercial establishments. It is important for society. A temperature sensor is used to sense the temperature of the water that will flow out from the tap. The two 2-way solenoids are used for the hot water outlet and to send back the cold water into the sump. Both the solenoids are normally closed. These solenoids are connected to a relay that controls the opening and closing of it, they are supplied AC power. The relay is powered by a DC power source using an adapter (12 V). When the power is supplied to relay and solenoids, the solenoids get energized. The outlet to the sump solenoid is then opened and the initial cold water which is otherwise wasted flows into the sump. The temperature sensor after sensing the flow of hot water in the pipe sends the signal to the relay, thereby the hot water outlet solenoid opens and the cold-water outlet solenoid closes. Furthermore, we have used many connecting joints for easy separation of hot water and cold water. So, we believe with our project we will be able to separate cold water from hot water pipes effectively and efficiently.



Zaid Mehdi
(ICR18ME090)

TRAFFIC SIGN BOARD RECOGNITION AND VOICE ALERT SYSTEM USING CNN

Street accidents sometimes occur as a result of carelessness in reading traffic signs incorrectly. The proposed frame helps recognize traffic signs and gives a voice warning from the speaker so that the driver can make important decisions. To improve accuracy, several classes are generated and

characterized for a particular dataset. After the framework recognizes the sign, the driver is informed via voice alert issued over the speaker. The proposed framework also includes a section that warns drivers of nearby road signs so that drivers can track which law they should follow along the way.

Relevance of the idea -In this period of a high-speed life, individuals for the most part will generally pass up perceiving the traffic sign and consequently defy the guidelines. Our framework means improving the validation process while offering a variety of benefits, including: Early recognition by the driver. Traffic sign recognition has been carried out in different surveys using different methods. The video is captured and decomposed into outlines. Image pre-processing is done, including frontal and foundation separation, downsizing, and enhancement. The signs are then categorized into hexagons, three sides, or circles, and these activities are sent for layout matching. Items with unique shapes are collated from pre-trained calculations. Caffe is an open-source framework that helps you identify and recognize traffic signs accurately and efficiently You can also

use the Upward Spatial Placement (VSSA) module to collect additional attitude data for more advanced detection. GPS-based tracking integrates augmented reality innovation in wearable applications. It uses the customer's mobile phone



Balaji Reddy
(ICR21MC025)

instructions as a guide and uses the customer's camera view history to help individuals find potential assets in adjacent areas in a step-by-step manner uses CNN's AlexNet structure and the design contains eight layers.



Prasad Atanur
(ICR20MC062)

The first five layers are convolution layers and the last three layers are fully connected layers. The amount of boundaries in this approach has been significantly reduced to improve and speed up the computation.

Work Process- Convolutional networks can be familiar with channels or attributes in images rather than physically created rough engineering channels. Engineering convolutional networks can be compared to the example of the availability of neurons in the human brain. The actual plan was driven by the association of neurons present in the visual cortex of the human cerebrum. When the model is built, for example, over a period of a cycle, it facilitates the ability to distinguish between key elements in the image and certain low peaks.

MY EXPERIENCE IN KARATE

I have been training in karate for over eight years, now I am a black belt. The teachings from my karate class influenced me in many aspects. I learned a lot of self-defense technique that could save my life. I would like to share how karate has helped me develop as a person. Firstly, It was drilled into me that karate was for self-defense only, but it is important to know a few self-defense moves because no one knows if they might end up in a situation where they have to use them. Through this, I have developed the speed in which to react when someone throws a punch and I have learnt how to get out of

those grabs and holds, different kind of kicks, low stances, chokes, knife disarms and much more.

Martial arts have become an important part of my life, by practicing karate, I have also developed my character and my personality especially the attitude towards different people on their behavior. It gives me a better freedom of movement and a best flexibility. Instead of moving to gym centre martial arts gave me a complete workout, It builds me a great stamina, strength, coordination and balance. I feel very proud wearing black belt written with my name while practicing in the dojo, It gives me a huge goose-bumps. I also thank all my instructors and my colleague for giving me a huge support for my success. So far I have achieved 8 state levels and 6 national levels held all over india. My main goal in karate is to achieve my 3rd dan in black belt and start a karate academy to girls and women which I will continue to strive to reach. The endurance and strength exercises at the end of each class is huge but now I hold double the self confidence that 'I CAN DO IT'. To conclude, I am enjoying my karate journey and I am glad that it has helped me to shape a person in today's life.

One of my favourite karate based quote is:

"While performing the kiai, you must throw your spirit with sound"



**M .Mamathy
(1CR20CS105)**

TESTIMONIALS



**Samar Kumar Mukherjee,
F/O Usmi Mukherjee,
CSE Department**

CMRIT was recommended to me by one of my friends when my daughter had completed her 2nd PUC. Today, I am grateful for taking his advice. My daughter was guided and trained with great care by all the faculty and staff of CMRIT. They pushed her towards excelling in not just academics but also towards projects and research which I believe is a major highlight of CMRIT. I am thankful to all faculty and staff for bringing her closer to achieving her and every CMRIT student's goals and aspirations.

TESTIMONIALS

I saw a change in myself both intellectually and technologically after joining CMRIT. The college has very rigorous curriculum of both theoretical and practical knowledge for students. The faculties are all very good at their respective domains and help students gaining the required industry knowledge. Also, the support and help given by them is something which helped me very much. The institute is one of the top notch for technical knowledge and is flourishing leaps and bounds . I would suggest aspirants to choose the institute and make full out of the opportunities provided .



Aditya Kumar Gupta,
Alumnus, (2017 - 2021).



Shweta Priya,
Alumna, (2011-2015)

It was a wholesome learning with supportive faculties and sufficient opportunities. In this institute, you get a proper guidance for building your career and you get various opportunities for showcasing your talent and getting yourself placed in big organizations. I really love the infrastructure of the college, it's so well maintained, hygiene is always their first preference. I had a peaceful atmosphere in the college which helped me focus on the studies.

CMRIT has a well-balanced campus atmosphere where the students are always surrounded by good knowledge and cultural activities/club events which help identifying and exploring their hidden qualities. The faculty not only ensures the students academics are not left behind but also motivates them and takes various initiatives to help student's build an excellent carrier. CMRIT has a promising placement department where students are placed in reputed companies. With various placement training programs and counseling departments, the college ensures that the students get placed with a good pay package.



Naresh Shengde,
F/O Siddharth Shengde,
EEE Department

Overall CMRIT has an excellent environment for the students and ensures that they would have a memorable learning experience.



Sudershan Charles,
F/O Nishitha Sudershan,
Mech Department

CMRIT has provided my ward with great opportunities and I am grateful. She has not only excelled in academics but also participated in various extra-curricular activities. I am very impressed with how invested the faculty is in helping the students gain knowledge regardless of the pandemic situation. I am happy to have enrolled my daughter in CMRIT .

I would like to express my heartfelt gratitude and sincere thanks to CMRIT for shaping my career. I had a wonderful experience of my 4 years of Engineering journey. The curriculum set by my institution was easy to carry out, the faculty in CMRIT are so friendly and are always a helping hand for students. I really love the infrastructure of the college, it's so well maintained, hygiene is always their first preference. I had a peaceful atmosphere in the college which helped me focus on the studies. The placement and training department is the reason behind my success of being placed in the top MNC companies. I got strong knowledge on aptitude, logical reasoning and soft skills which was included in my curriculum as TYL program. The TYL program is really unique way of coaching the students to crack the interviews and get placed in their dream companies. I am really happy I got to learn and acquire so much knowledge from my college, I am glad and thankful forever.



Noor Ulfath,
Alumna (2018-22)

VISION

“To be a nationally acclaimed and globally recognized institute of engineering, technology and management, producing competent professionals with appropriate attributes to serve the cause of the nation and of society at large”

MISSION

“Create the necessary infrastructure appropriate to the needs of the programmes and activities of the institution.”

“Create and facilitate an ambience for interdisciplinary engagement, leading to a healthy competition among students and staff, in pursuit of excellence through lifelong learning.”

“Attract and retain well-qualified faculty and supporting staff.”

“Create mechanisms to understand societal needs and provide solutions for the betterment of society.”

“Develop and operate mutually-beneficial programmes, partnering with industries, institutes and individuals of national and international repute.”

THE CMR GROUP

CMR University

CMR Life Skills Institute

Ekya School, ITPL

CMR Institute of Technology

CMR National PU College

Ekya School, J.P Nagar

CMRIMS (Autonomous)

CMR National Public School

Ekya School, Kanakapura Road

CMR University School of Legal Studies

NPS International School, Singapore

Ekya School, BTM Layout

Ekya School, Byrathi

GALLERY

CMRIT @ Media

ಸಿಎಂಆರ್‌ಐಟಿ ವಿನ್ಯಾಸಗಳಿಂದ ಆಂತರಿಕ ಸ್ಕ್ರಾಪ್ ಇಂಡಿಯಾ ಪ್ರಾಜೆಕ್ಟ್‌ನ ಆನ್‌ಲೈನ್‌ಪೇಜ್-2022



ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿಗಳಿಂದ ಆಂತರಿಕ ಸ್ಕ್ರಾಪ್ ಇಂಡಿಯಾ ಪ್ರಾಜೆಕ್ಟ್‌ನ ಆನ್‌ಲೈನ್‌ಪೇಜ್-2022 ರಚನೆ ಮಾಡಲಾಗಿದೆ. ಈ ಪೇಜ್‌ನಲ್ಲಿ ವಿನ್ಯಾಸಗಳನ್ನು ಪ್ರದರ್ಶಿಸಲಾಗುತ್ತದೆ ಮತ್ತು ಅವುಗಳನ್ನು ಮೂಲಕ ಸ್ಕ್ರಾಪ್‌ನಿಂದ ತಯಾರಿಸಿದ ವಸ್ತುಗಳನ್ನು ಖರೀದಿಸಲು ಅವಕಾಶವಿದೆ. ಈ ಪ್ರಾಜೆಕ್ಟ್‌ನು ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ಸಂರಕ್ಷಣೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತದೆ.

ಚಿತ್ರಕಲೆ ಮನುಷ್ಯನಲ್ಲಿ ಭಾವೈಕ್ಯತೆ ಮೂಡಿಸುತ್ತದೆ



ಚಿತ್ರಕಲೆ ಭಾವೈಕ್ಯತೆಯನ್ನು ಮೂಡಿಸುತ್ತದೆ ಮತ್ತು ಮನುಷ್ಯನಲ್ಲಿ ಭಾವೈಕ್ಯತೆ ಮೂಡಿಸುತ್ತದೆ. ಇದು ಮನುಷ್ಯನ ಭಾವನೆಗಳನ್ನು ಪ್ರತಿಬಿಂಬಿಸುತ್ತದೆ ಮತ್ತು ಅವುಗಳನ್ನು ಮೂಲಕ ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ಸಂರಕ್ಷಣೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತದೆ. ಈ ಪ್ರಾಜೆಕ್ಟ್‌ನು ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ಸಂರಕ್ಷಣೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತದೆ.

ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನ



ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರಾಜೆಕ್ಟ್ ಪ್ರದರ್ಶನವು ಸುಸ್ಥಾನದ ವಿನ್ಯಾಸಗಳನ್ನು ಪ್ರದರ್ಶಿಸುತ್ತದೆ ಮತ್ತು ಅವುಗಳನ್ನು ಮೂಲಕ ಸ್ಕ್ರಾಪ್‌ನಿಂದ ತಯಾರಿಸಿದ ವಸ್ತುಗಳನ್ನು ಖರೀದಿಸಲು ಅವಕಾಶವಿದೆ. ಈ ಪ್ರಾಜೆಕ್ಟ್‌ನು ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ಸಂರಕ್ಷಣೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತದೆ.

ಸಿಎಂಆರ್‌ಐಟಿ ವತಿಯಿಂದ ವಿಶ್ವ ಪರಿಸರ ದಿನ ಆಚರಣೆ



ವಿಶ್ವ ಪರಿಸರ ದಿನವನ್ನು ಆಚರಿಸಲು ಸಿಎಂಆರ್‌ಐಟಿ ವತಿಯಿಂದ ವಿಶ್ವ ಪರಿಸರ ದಿನ ಆಚರಣೆ ನಡೆಯಿತು. ಈ ಕಾರ್ಯಕ್ರಮವು ಸ್ವಚ್ಛತೆ ಮತ್ತು ಪರಿಸರ ಸಂರಕ್ಷಣೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತದೆ ಮತ್ತು ಮನುಷ್ಯನಲ್ಲಿ ಭಾವೈಕ್ಯತೆ ಮೂಡಿಸುತ್ತದೆ.

Students qualified to represent India at TiE Pitch Fest 2022




CMRIT Institute of Technology students have qualified to represent India at the TiE Pitch Fest 2022. The students presented their projects on water scarcity and sustainable development. The event was held in the month of September.

From Music to Tech: CMRIT Hosts Cultura-22



CMRIT hosted Cultura-22, a cultural event featuring music, dance, and technology. The event was held on June 27, 2022, and was a great success. The students showcased their talents and creativity.

220 students, faculty, staff members of CMRIT donate blood



The NSS and Youth Red Cross unit of CMRIT organized a blood donation camp in association with Rashtriya Blood Centre. The camp was held on June 22, 2022, and 220 students, faculty, and staff members participated. The camp was a great success and saw active participation from both faculty and students.

ಮಾದಕ ವಸ್ತುಗಳ ದುಷ್ಪರಿಣಾಮ ಕುರಿತು ಜಾಗೃತಿ ಅಭಿಯಾನ



CMRIT organized an awareness program on the harmful effects of drugs. The program was held on June 22, 2022, and 220 students, faculty, and staff members participated. The program was a great success and saw active participation from both faculty and students.

ಸಿಎಂಆರ್‌ಐಟಿ ತಂಡಕ್ಕೆ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಪ್ರಶಸ್ತಿ



The CMRIT team has won an international award for their project 'Lok Trusha'. The award was presented to the team members by the organizers. The project was a great success and saw active participation from both faculty and students.

ಸಿಎಂಆರ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿಯಿಂದ ಓಪನ್ ಡೇ 2022 ಆಯೋಜನೆ ಸಂಸ್ಥೆಯ ಸೌಲಭ್ಯಗಳಲ್ಲಿ ನಡೆದಾಡಲು ಮತ್ತು ಶಿಕ್ಷಣತಜ್ಞರೊಂದಿಗೆ ಮಾತನಾಡುವ ಅವಕಾಶ ಮಾಡಿಕೊಡಲಾಗುವುದು

ಲಂಡನ್‌ನಲ್ಲಿ, ಬೆಂಗಳೂರು : ನಗರದ ಪ್ರಮುಖ ಇಂಜಿನಿಯರಿಂಗ್ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಸಂಸ್ಥೆಯಾದ ಸಿಎಂಆರ್‌ಐಟಿ, ಐಟಿಐಎಂ ಮತ್ತು ರಶ್ಮಿಯವರ ಸಹಿ, ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ 2022 ರ ಆಗಸ್ಟ್ 1 ರಿಂದ 3 ರವರೆಗೆ ಮೂರು ದಿನಗಳ ಕಾಲ ಬೆಳಿಗ್ಗೆ 10 ರಿಂದ ಸಂಜೆ 4 ರವರೆಗೆ "ಓಪನ್ ಡೇ" ಆಯೋಜಿಸುತ್ತಿದೆ. ಇಂಜಿನಿಯರಿಂಗ್, ತಂತ್ರಜ್ಞಾನ ಸಂಸ್ಥೆಯ ಮತ್ತು ಮ್ಯಾನೇಜ್‌ಮೆಂಟ್ ತರಬೇತಿಗಳನ್ನು ಒಂದು ವಿನ್ಯಾಸಗಳನ್ನು ಕ್ಯಾಂಪಸ್, ಸೌಲಭ್ಯಗಳನ್ನು ಮತ್ತು ವಿಶ್ವವಿಖ್ಯಾತಿಗೆ ಅಧಿಕಾರವನ್ನು ಒದಗಿಸುತ್ತದೆ. ಓಪನ್ ಡೇ 2022 ಆಯೋಜನೆ ಸಂಸ್ಥೆಯ ಸೌಲಭ್ಯಗಳಲ್ಲಿ ನಡೆದಾಡಲು ಮತ್ತು ಶಿಕ್ಷಣತಜ್ಞರೊಂದಿಗೆ ಮಾತನಾಡುವ ಅವಕಾಶ ಮಾಡಿಕೊಡಲಾಗುವುದು. ಓಪನ್ ಡೇ 2022 ಆಯೋಜನೆ ಸಂಸ್ಥೆಯ ಸೌಲಭ್ಯಗಳಲ್ಲಿ ನಡೆದಾಡಲು ಮತ್ತು ಶಿಕ್ಷಣತಜ್ಞರೊಂದಿಗೆ ಮಾತನಾಡುವ ಅವಕಾಶ ಮಾಡಿಕೊಡಲಾಗುವುದು.

Student Handbook

https://drive.google.com/file/d/1D2IywXY9u_4ojvMiZlcJtT_G64sDAgtQ/view

Faculty Handbook

<https://drive.google.com/file/d/137FeMjfv90vQFPZRUUH3NjW-mCSMkL/view>



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