



MEA, MEP, I&E, Start-up Projects

CMR INSTITUTE OF TECHNOLOGY, BENGALURU

### CMRIT multi-disciplinary areas for start-ups and Technology Transfer

#	CMRIT multi-disciplinary areas for start-ups	HW/SW	Chief Coordinators
1	ML/BD analytics toolkit/solutions (include image/audio, ...)	SW	Prof. Prabhu
2	IoT Solutions (biometric, counters, wearable, NFC, RFID, ...)	HW/SW	Prof. Elumalai
3	Personal / SOHO Robo Assistant	HW/SW	Prof. Rajendra Prasad
4	Experiential and Blended Learning solutions	HW/SW	Prof. Raveesha, Prof. Rahaman
5	Pedagogy Analytics	SW	Prof. Gomathi
6	Natural Learning Advisor	SW	Prof. Prabhu
7	Mental Health Advisor/Mentor	SW	Prof. Chitra Prof. Farida
8	Career / Personality Development Advisor	SW	Prof. Lakshman
9	Financial Analytics/Advisor	SW	Prof. Sandeep
10	Societal solutions (other than above categories) – HW/SW	HW/SW	Prof. Asha, Prof. Meenakshi
11	Technology Transfer	HW/SW	Dr. K. Venkateswaran

**ECE Department:**

<b>S.No</b>	<b>RC ID</b>	<b>Name of the project</b>	<b>Mega Project/Mega Application/I&amp;E project</b>	<b>Name of the Faculty</b>	<b>MAST</b>
1.	2021-JAN-ECE-MEGA-001	Light Board for Effective online teaching	Mega Project	Prof. Ashutosh Prof. Rahul Tiwari Prof. Krishna Teja Prof. K.Venkateswaran	Experiential and Blended learning solutions
2.	2021-FEB-COE-SP-001	Software for Medical video summarization	Mega Application	Prof. Anindita Sahoo Prof. Binish Fatima Prof. Richa Tengse Prof. Sushma.B	ML/BD
3.	2021-JAN-CoE-IC-001	Analog IP Design	Mega Application	Prof. Amit Jain Prof. Jyoti M.Roogi	Technology Transfer
4.	2021-APR—CoE-IC-001	NV SRAM	Mega Application	Prof. Sachin Aralikatti Prof. Amit Jain	Technology Transfer
5.	2018-NOV-ECE-MEGA-001	Smart Energy Saving System	Mega Project	Prof. Harsha Prof. Naveen Kumar	IoT Solutions
6.	2018-NOV-ECE-MEGA-004	Smart Street Light System	Mega Project	Prof. Eisha Akansha Prof. Preethi Prof. Sutapa Sarkar Prof. Vijayalakshmi	IoT Solutions
7.	2021-Mar-ECE-MEGA-001	CMRIT Exam Duty Management System	Mega Project	Prof. Abhishek Javali Prof. Ananth Kumar.M.S	Societal Solutions
8.	2021-Aug-ECE-ST-001	Smart farming using IoT based hydroponics	Start-Up	Prof. K.P Sharmila Prof.Pappa	IoT Solutions

**Civil Department:**

<b>S.No</b>	<b>RC ID</b>	<b>Name of the project</b>	<b>Mega Project/Mega Application/I&amp;E project</b>	<b>Name of the Faculty</b>	<b>MAST</b>
1.	2020-Aug-COE-NRM-001	Green Construction	Mega Application	Prof. Vibha N Dalawai Prof. Soundarya Prof. Jithendra	Societal Solutions
2.	2019-SEP-CIV-MEGA-003	Design of Sustainable Driveway for CMRIT	Mega project	Prof. Ravikant Talluri Prof. Jithendra	Societal Solutions
3.	2021-JAN-COE-NRM-001	Plastic bottle based Geo cells for rehabilitation of selected driveway locations in CMRIT Campus	Mega Application	Prof. Asha M Nair Prof. Dhivya Prof. Sreelakshmi	Societal Solutions
4.	2021-MAR-CIV-IE-001	Innovative Siphon	I&E Project	Prof. Shivkumar M.J Prof. Ruchir A.J Prof. Arun Kumar Yadav	Societal Solutions
5.	2021-Aug-CIV-ST-002	Micro green Kit	Start-up	Prof. Preeti Jacob	Societal Solutions

**Mechanical Department:**

<b>S.No</b>	<b>RC ID</b>	<b>Name of the project</b>	<b>Mega Project/Mega Application/I&amp;E project</b>	<b>Name of the Faculty</b>	<b>MAST</b>
1.	2020-OCT-COE-ME-006	Effect of Heat treatment on the corrosion properties of Ai Ni Composites	Mega Application	Prof. Bijayani Panda Prof. Shivanna	Technology Transfer
2.	2020-OCT-COE-ME-007	Modelling of Milling Machine as Friction stir Welding M/C	Mega Application	Mr. Harisha P Mr. Puneeth Kumar.N Mr. Venkates Naik	Technology Transfer
3.	2019-Aug-CoE-AM-006	Automatic Flush water conserving closet for male urinal	Mega Application	Dr. Sagar M .Baligdad Prof. Vijayanada Kaup Prof. Maharudesh	IoT Solutions

				Prof. Chetan Kumar	
4.	2018-DEC-CoE-AM-007	Design and development of materials for low density high strength 3D printer active parts having Marine Application	Mega Application	Dr. Sagar M .Baligdad Mr. Maharudresh A.G Mr. Chetan Kumar.G	Technology Transfer
5.	2021-FEB-MECH-IE-001	Design & Development of Electrical Resistance Furnace for forging application	I&E Project	Prof. Shivanna Prof. Vijayananda Kaup	Societal Solutions

**ISE Department:**

S.No	RC ID	Name of the project	Mega Project/Mega Application/I&E project	Name of the Faculty	MAST
1.	2021-MAR-COE-IOT-001	Automated Table floor cleaner	Mega Application	Prof. Akila Prof. Geetha Prof. Prasad .S	IoT Solutions
2.	2021-FEB—MEGA-ISE-001	Student Activity Points Aggregator	Mega project	Prof. Sudhakar Prof. Imtiyaz Ahmed	Societal Solutions
3.	2021-Mar-ISE-IE-001	Agri commerce	I&E Project	Prof. Savitha Hiremath Prof. Bineet kumar jha Prof. shilpa manjesh pande Prof. Dhanya viswanath	ML/BD
4.	2021-Mar-ISE-IE-002	Interactive Podcasting	I&E Project	Dr.M.Shahina Parveen Prof. Swathi.y Prof. Priyadharsini.A. Prof. Ashwini Doke	Experiential and Blended Learning

**CSE Department:**

S.No	RC ID	Name of the project	Mega Project/Mega Application/I&E project	Name of the Faculty	MAST
1.	2020-May-CoE-MLBD-009	VAHINI	Mega Application	Dr. Prem Kumar Ramesh Prof. Kartheek G.C.R	ML/BD
2.	2020-SEP-MEGA-CSE-001	CMRIT Faculty data repository	Mega Project	Prof. Manoj chella Prof. Sudha.D Prof. Kartheek Prof. Hemanth Kumar	Societal Solutions
3.	2020-SEP-MEGA-CSE-002	CMRIT Student data repository	Mega Project	Prof. Shanti M.B Prof. Shivaraj Prof. Hemanth Kumar Prof. Sagarika	Societal Solutions
4.	2019-July-MEGA-CSE-008	Resume Screening System	Mega Project	Prof. Poonam Vijay Tijare Prof. Kavitha.P	ML/BD
5.	2021-AUG-CSE-ST-003	Natural Learning Advisor	Start-up	Prof. Shreekanth moorer prabhu, Prof. Abhishek Mithya	Natural Learning Advisor
6.	2021-AUG-CSE-ST-004	WE KEEP - WARRANTY TRACKER	Start-up	Prof. Vivia Mary John Prof. Savitha N. J. Prof. Sreedevi N. Prof. Smitha N.	Societal Solutions

**Basic Science Department:**

S.No	RC ID	Name of the project	Mega Project/Mega Application/I&E project	Name of the Faculty	MAST
1.	2019-JAN-CHEM-MEGA-001	Development of donor acceptor small organic molecules for fluoride sensing	Mega Project	Prof. Fazlur rahman Prof. Preeti Gupta Prof. Subrata mandal Prof. Prabat Gautam	Societal Solutions
2.	2020-MAY-CoE-MDS-001	Modelling of cancer dynamics with computational analysis	Mega Application	Prof. Nidhi vaishnaw Prof. Sweta Gaur Prof. S. Shankar Narayan	Societal Solutions

3.	2020- JULY- CoE- MDS- 002	Optimization of Home energy system	Mega Application	Prof. P.Rajendra Prof. A.Girisha	Societal Solutions
4.	2019- JAN- MAT- MEGA- 001	Mathematical Models for Inventory Optimization in a connected supply chain	Mega Project	Prof. Hanumantha Ravi, Prof.Pratap, Prof. Meenakshi, Prof. Uma Raju	Societal Solutions
5.	2018- AUG- CoE- SNE-002	Optical Sensor for Cr detection	Mega Application	Mr. Vinay B K & Dr. Chaitanya Leksmi Indira; Rahul Pillai, Sangeetha R	Technology Transfer
6.	2018- Aug- CoE- SNE-004	Amperometric catechol biosensor	Mega Application	Dr. Chaitanya, Mr. Vinay B. K, Mr. Rahul Pillai	Technology Transfer
7.	2018- AUG- CoE- MS-004	Nanocomposite catalysts for automobile toxic gas conversion	Mega Application	Dr. Chaitanya Lekshmi Indira, Prof. Prashant Hatti & Prof. S. S. Hegde	Technology Transfer
8.	2021- AUG- BS-ST- 005	Biometric Doorbell	Start-up	Dr. Shamsundar Hegde Dr.Sagar B	IoT Solutions
9.	2021- AUG- BS-ST- 006	Prayog(Learning Through Experiments)- AnEdtech based Startup	Start-up	Dr. Raveesha K H Dr. Fazlur Rehman Dr. Rajesh Gopal Dr. Subhi Baishya Dr. Suvitha Dr. Priti Gupta Dr. Thulasi Dr. Susma Bhat	Experiential and Blended learning Solutions

**MBA Department:**

S.No	RC ID	Name of the project	Mega Project/Mega Application/I&E project	Name of the Faculty	MAST
1.	2020- SEP- CoE- FM-003	Study on financial literacy of CMRIT adopted villages	Mega Application	Prof.Prakash B Yaragal Prof.M.S Kokila Prof.Namita .P .Konnur Prof.Santhosh Kathari	Societal Solutions

2.	2021-AUG-MBA-ST-007	Financial Analytics	Start up	Prof.Sandeep	Financial Analytics/Advisor
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**MCA Department:**

S.No	RC ID	Name of the Project	Mega Project/Mega Application/I&E Project	Name of the faculty	MAST
1.	2021-MAR-COE-IHCI-001	Design of Loss assessment system for insurance sector using DRONE	Mega Application	Prof.Ilango Prof.Helen Joshepine Prof.Moumita roy	Personal/SOHO Robo Assistant
2.	2021-AUG-MCA-ST-008	Flip N Trace Tool	Start-Up	Prof.Gomathi	Experiential and Blended Learning
3.	2021-AUG-MCA-ST-009	Virtual Mentorship for Indian Arts	Start-up	Prof.Ashwini	Societal Solutions
4.	2021-AUG-MCA-ST-010	Early warning system	Start-up	Prof.Vakula Rani,Prof.Abdul rasheed,Prof.Divya	Pedagogy Analytics
	2021-AUG-MCA-ST-011	TYT Analytics	Start-up	Prof.Neha Agarwal Prof. Varsha Prof.Swathi mathur	Pedagogy Analytics

**EEE Department:**

S.No	RC ID	Name of the Project	Mega Project/Mega Application/I&E Project	Name of the faculty	MAST
1.	2018-	Smart	Mega Project	Prof.Sumit	IoT Solutions



	OCT- EEE- MEGA- 002	Distribution Management System		Mohanty  Prof.Parvati thambi	
2.	2021- JULY- CoE-RB- 001	Covid Detecting Mobile Robot using Thermal Imaging	Mega Application	P.Velraj Kumar, Dr.Ramesh, Prof.Sumit, Prof. Lokasree	Personal/SOHO Robo Assistant
3.	2018- OCT- EEE- MEGA- 004	Smart Campus	Mega Project	Prof.Sanitha Michel Prof.Geethanjali Prof.Arjit data Prof.Nithara.P.V	IoT Solutions
4.	2021- AUG- EEE-ST- 012	E-Mithru	Start-up	Prof.Chitra, Prof.Farida	ML/BD
5.	2021- AUG- EEE-ST- 013	Board Cleaning Robot	Start-up	Prof.Sumit Mohanty Prof.Anju Das Dr.K.Viji	Personal/SOHO Robo Assistant
6.	2021- AUG- EEE-ST- 014	T-Robot	Start-up	Prof.Velraj Kumar Dr.Ramesh Prof.Lokasree Prof.Sumit Mohanty	Personal/SOHO Robo Assistant

### Placement Department

S.No	RC ID	Name of the Project	Mega Project/Mega Application/I&E Project	Name of the faculty	MAST
1.	2021- AUG-P&T- ST-015	Career Guidance	Start- up	Prof. Lakshman Malla	Career/Personality development advisor