

INFO-RISES

Volume 4, Issue 2, December 2019 - May 2020

Department of Information Science and Engineering



CMR INSTITUTE OF TECHNOLOGY



DEPARTMENT OF
INFORMATION SCIENCE
&
ENGINEERING

**INFO-RISES 2019-20 EVEN
SEMESTER**

VOLUME 4, ISSUE 2



Dr. Sanjay Jain
Principal

**DEPARTMENT
VISION**

“To empower our students with necessary domain knowledge and professional skills in information technology for a global career to serve the society.”



Dr. B Narasimha Murthy
Vice-Principal

DEPARTMENT MISSION

- To build a faculty team with industry and academic exposure, capable of empowering and equipping students with necessary domain knowledge.*
- To prepare the students for a global career in computing by enriching the curriculum with a blend of theory and practice.*
- To develop industry relevant technical and communication skills with cross-cultural sensitivity through training programs, vibrant student clubs and student internships.*
- To engage with industry and institutes of repute and collaborate in academics, research and development involving faculty and students.*

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Newsletter Editor:
Prof. Dhanya Viswanath



MESSAGE FROM HOD

Indeed it creates immense pleasure in writing this message which spreads positive vibrancy among all of us. CMR Institute of Technology conducts various activities for the benefit of students, faculty, and society. This newsletter is the epitome of the success stories of these events. These kinds of proud moments encourage the student's community to move to higher levels in Academia, Sports and other activities. We, the faculty of ISE strive to impart our best in terms of knowledge dissemination and bring out our students with a holistic personality. Our initiatives definitely mold the students such that they face the external world with prompt technical, interpersonal and problem-solving skills. I thank the faculty who are involved in this newsletter making for their real efforts. I appreciate all who did a great job of winning competitions and brought accolades to CMRIT. I wish all our students and faculty a stupendous success in upcoming activities!!!!

- Dr. M Farida Begam
HoD, Dept. of ISE

CLUB ACTIVITIES



SL No	CLUB	EVENT	DATE
1	CODING NIN-JAS	Code Chemistry	18-01-2020
2	GLUG	Open Source and its Benefits & GLUG Day	22-02-2020
3	GLUG	FLOSS Essentials : Introduction to Linux and Git	27-02-2020
4	RISE	Tech-Quiz	27-02-2020
5	CODING NIN-JAS	CodeKaze	27-02-2020
6	RISE	Effective Search Strategy	04-03-2020
7	CODING NIN-JAS	Code-E-War	06-03-2020
8	CODING NIN-JAS	Coding Patterns	06-03-2020
9	CODECHEF	Codentine	06-04-2020
10	CODECHEF	Quizoholic	26-04-2020
11	RISE	PyQuiz	19-04-2020
12	RISE	Java Quiz	14-04-2020
13	GLUG	Blender	12-04-2020
14	GLUG	Python 101	14-04-2020 & 15-04-2020
15	CODING NIN-JAS	Quizid-19	07-04-2020
16	GOOGLE DSC	Using APIs with Python and OAuth	19-04-2020
17	GLUG	Web App Development in Python	02-05-2020
18	CODECHEF	CodeBug	10-05-2020
19	RISE	Web Designing Quiz	17-05-2020



INDUSTRY CONNECT

- ◇ FDP on **IoT and Machine Learning** by **Mr. A T Kishore** (CEO - Vidhya Sangha Technologies), **Mr Bharat Kumar** (Analytica 6), **Dr. Joshua Samuel Raj & Dr. S Saravanan** from December 31st to January 3rd.
- ◇ Expert Lecture on **Machine Learning and its Use Cases with Industrial Internet of Things** by **Dr. P Ambika**, Expert Data Scientist, Image Data Analytics, Bangalore on May 13th.
- ◇ Expert Lecture on **Internet of Things Use Cases Transforming World** by **Dr. S Selvamuthukumar**, Professor & Director, AVCCE, Tamil Nadu on May 27th.

CONSULTANCY

FACULTY	GRANT AMOUNT	PROJECT TITLE	MONTH	STATUS
Dr. R Chinnaiyan	Rs. 500000	ML & IOT—5 Days	Dec 2019	Provisionally Recom-
Dr. R Chinnaiyan	Rs. 50000	One Day Boot Camp for Lab Instructors On Environmental Issues and Safety Measures in Laboratories—1 Day	Jan 2020	Grant Approved

TEACHING PEDAGOGIES

In the wake of the COVID-19 Pandemic, all the faculty have moved towards online mode of teaching in order to keep the teaching-learning process active. Every faculty has created a [Google Classroom](#) for their theory/lab subject, which provides a common platform for interacting with students as well as for sharing all relevant subject materials. Many faculty have done extensive study on the best platform that is available for online/live classes before stepping into live mode – [Zoom](#), [Microsoft Teams](#), [Ted-Ed](#), [Google Meet](#), [GoToWebinar](#) and [WebEx](#) being some of them.

Prof. Prasad B S has opted for the use of **Wacom tabs** for better explanation of a problematic subject.

Wacom tabs are graphics tablets/pen tablets that allow a person to draw by hand, capturing an image or graphic in digital form. The information is displayed on the monitor of a connected PC. It basically allows a person to digitally doodle straight into the computer. The pen, or stylus, that comes with the tablets can communicate much more effectively. Its pressure-sensitive system will let you determine things like how thick or thin a line should be, and it can instantly capture handwritten notations. The tablet communicates with the pen, plotting its location in microseconds as it makes your adjustments on screen.



Prof. Shilpa Mangesh Pande & Prof. Bineet Kumar Jha have used the **Ted-Ed platform** for creating their class lectures.

A **Ted-Ed platform** allows a teacher to add interactive questions, discussion topics and more to TED-Ed Animations, TED talks or any video on YouTube. The lessons can be shared with the students online and also gives the option to track the results.



A **Kahoot quiz** is a series of questions with between two to four multiple-choice answers to choose from. The questions are presented on screen with text and students are given an allotted time to respond using their smart device or computer. Kahoot allocates each multiple-choice answer a colour and shape which students see on their own devices and select by clicking/tapping on them. Questions and answers can be set to randomise each time the Kahoot is played meaning the same quiz can be used again without worrying that students will simply memorise the order of questions and answers. All data can be downloaded into Microsoft Excel or as a CSV file once the quiz has ended, giving details about which questions students got right or wrong, as well as how quickly they responded to the problems presented.

Prof. Sheetal R has made use of the **Kahoot Quiz** as a means of conducting assessments on the topics covered.



MOOC/TECHNICAL PAPER

19/21 Faculty members have completed their MOOC.



158/182 students have completed their MOOC courses in the 4th semester.



68/106 students have completed their Technical paper presentation in the 6th semester.



FACULTY TECH TALK

Faculty members in the department have given a tech-talk on latest trends, software tools and research focused topics related to ISE.

FACULTY	TOPIC
Dr. Devanjan Bhattacharya	Spatial Text Mining from social networks
Dr. Shahina Parveen	Augmented Reality
Prof. Savitha Hiremath	Efficient Techniques for Sentiment Analysis from Social Media
Prof. Bineet Kumar Jha	Big Data Stream Processing with Spark
Dr. Shreekanth Mooroor Prabhu	Digital Currency and its Associated Technologies
Dr. Joshua Samuel Raj	IOT
Dr. Sudhakar K N	Cyber Security
Prof. Swathi Y	Cyber Security
Dr. S Saravanan	Recent Side Channel Attack and its Countermeasures on IoT Applications



FACULTY PUBLICATIONS

- * [Prof. Swathi Y](#) has published a paper titled “**Best practices in Higher Educational Institutions: Subjective Evaluation of POs and Blooms Taxonomy**” in the 4th International Conference on Information and Communication Technology for Competitive Strategies during December 2019.
- * [Dr. Geetha S](#) has published a paper titled “**Rapid retrieval of secured data from the sensor cloud using a relative record index and energy management of sensors**” in the International Journal of Intelligent Enterprise during January 2020.
- * [Dr. Geetha S](#) has published a paper titled “**Patient Monitoring System with Miniaturization of Sensors**” in the International Journal of Engineering and Advanced Technology during January 2020.
- * [Dr. R Chinnaiyan](#) has published a paper titled “**Reliable Admin Framework of Drones and IOT Sensors in Agriculture Farmstead using Blockchain & Smart Contracts**” in the 2nd International Conference on Big Data Engineering and Technology during February 2020.
- * [Prof. Swathi Y](#)'s paper titled “**Energy Aware Routing using Hybrid PSO and Gravitational Search Algorithm in Wireless Sensor Networks**” was published in the International Journal of Engineering and Advanced Technology during February 2020.
- * [Dr. Joshua Samuel Raj](#) published a paper titled “**Optimal Feature Selection based Medical Image Classification using Deep Learning Model in Internet of Medical Things**” under IEEE Access during March 2020.
- * [Dr. Joshua Samuel Raj](#) published a paper titled “**Improving Classification Accuracy using Hybrid of Extreme Learning Machine and Artificial Algae Algorithm with Multi-Light Source**” in the International Journal of Uncertainty Fuzziness and Knowledge-Based Systems during March 2020.
- * [Prof. Bineet Kumar Jha](#) published a paper titled “**Fraud Detection and Prevention by using Big Data Analytics**” under IEEE Explore in the 4th International Conference on Computing Methodologies and Communication during April 2020.
- * [Prof. Swathi Y](#)'s paper titled “**Game theory trust model with authentication and AES encryption (GTAAES) model for secure data aggregation in WSN**” was published in the International Journal of Advanced Science and Technology during April 2020.
- * [Dr. R Chinnaiyan](#) published a paper titled “**Big Data Analytics Framework for Opinion Mining of Patient Health Care Experience**” under IEEE Xplore Digital Library in the Fourth International Conference on Computing Methodologies and

Communication during April 2020.

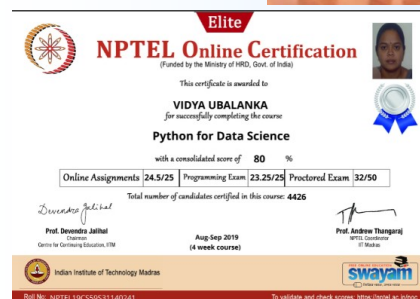
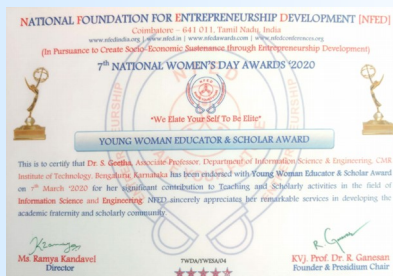
- * [Dr. R Chinnaiyan](#) published a paper titled “**Reliable Machine Learning Approach to Predict Patient Satisfaction for Optimal Decision Making and Quality Health Care**” in the International Conference on Communication and Electronics Systems during April 2020.
- * [Dr. R Chinnaiyan](#) published a paper titled “**Smart and Reliable Transportation System based on Message Queuing Telemetry Transport Protocol**” in the International Conference on Intelligent Computing and Control Systems during April 2020.
- * [Dr. R Chinnaiyan](#) published a paper titled “**Reliable Constrained Application Protocol to Sense and Avoid attacks in WSN for IoT Devices**” in the International Conference on Intelligent Computing and Control Systems during February 2020.

PATENTS

SL No.	FACULTY INVOLVED	PATENT TITLE	MONTH OF SUBMISSION
1	Dr. Geetha S	Automated Security Threat Analysis and Executing Optimal Response for Wireless Sensor Networks	December 2019
2	Dr. Shahina Parveen, Dr. M. Farida Begam	Disease Analysis by Machine learning over data from Health	January 2020
3	Dr. Shahina Parveen, Dr. S Saravanan	A Kernel Oriented Controller Modelling System To Optimize Performance in Big Data Ana-	March 2020
4	Dr. Geetha S, Dr. S Saravanan	Design of Health Care Network Architecture for Dissemination of E-Health Records Using Blockchain Technology	April 2020
5	Dr. Shahina Parveen	High Accuracy Breast Cancer Prediction System using Target Weighted Deep Learning Technique	May 2020

FACULTY AWARDS & ACHIEVEMENTS

SL NO	FACULTY	CATEGORY OF AWARD	AWARDED BY
1	Dr. M Farida Begam	Appreciation for organizing programming skills training and test	CMRIT IQAC
2	Dr. Devanjan Bhattacharya	Appreciation for Filing Patent	CMRIT IQAC
3	Dr. Anand R, Dr. Sudhakar K N, Dr. Geetha S	Appreciation for being Awarded PhD in 2019-20	CMRIT IQAC
4	Prof. Dhanya Viswanath	Appreciation for dedicated and sincere efforts in organizing IQAC activities	CMRIT IQAC
5	Prof. Vidya U	Python for Data Science - Elite Certified + Silver Medal	NPTEL
6	Dr. Geetha S	Young Woman Educator and Scholar Award	National Foundation for Entrepreneurship Development
7	Dr. Geetha S	Redhat Chatterbox Award	Redhat



FACULTY AS RESOURCE PERSONS



- * [Prof. Swathi Y](#) has served as a resource person in a One-day workshop on Revised NAAC Accreditation Process held at Dr. TTIT, Kolar in February 2020.
- * [Dr. Sudhakar K N](#) has served as a resource person in the VTU TEQIP 1.3 sponsored 2 day workshop on Training on Software and Equipments for Lab Instructors held at AMC College of Engineering, Bangalore in February 2020.
- * [Dr. R Chinnaiyan](#) has served as a resource person in a National Level Seminar on Machine Learning held at Kongu College of Arts in February 2020.
- * [Dr. M Farida Begam](#) has served as a resource person on Teaching Learning Process in the VTU TEQIP sponsored 5 day Workshop on OBE & NBA held at CMRIT in January 2020.
- * [Prof. Swathi Y](#) has served as a resource person on Faculty Performance & CO-PO attainment computation in the VTU TEQIP sponsored 5 day Workshop on OBE & NBA held at CMRIT in January 2020.
- * [Dr. R Chinnaiyan](#) has served as a resource person in a 5 Days STTP on Software Engineering at Anna University in December 2019.

Ph. D STATUS UPDATES

- * [Prof. Sudhakar K N](#) has completed his Ph. D on Load Balancing in Self Organised Wireless Sensor Networks in VTU.
- * [Prof. Anand R](#) has completed his Ph. D on Bandwidth Aware Queue Management and packet scheduling schemes for QoS in MANETS in VTU.
- * [Prof. Savitha Hiremath](#) has submitted her Thesis in Bangalore University in the field of Data Mining.
- * [Prof. Shilpa Mangesh Pande](#) has completed her Comprehensive Viva in the research field of Machine Learning under VTU.

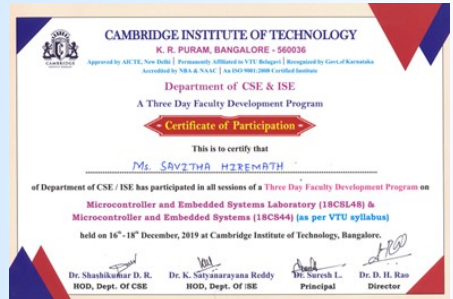
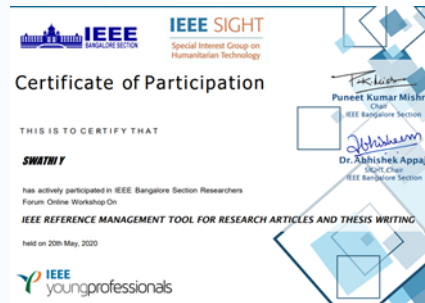
INDUSTRY CONNECT ACTIVITIES ATTENDED BY FACULTY

SL NO.	FACULTY	EVENT/TOPIC	VENUE
1	Dr. Geetha S	Seminar on Payment engines as business process micro-services	Online Webinar
2	Prof. Prasad B S	International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques	GSSIETW, Mysore
3	Prof. Savitha Hiremath	Fifteenth International Conference on Information Processing	The Capital Hotel, Raj Bhavan Road, Bengaluru
4	Prof. Savitha Hiremath	FDP on Microcontroller and Embedded Systems	Cambridge Institute of Technology, Bengaluru
5	Prof. Dhanya Viswanath	Course on AI and Medical Robots	Online Training Programme
6	Prof. Vidya U	IBM Course on Applied Data Science with Python - Level 2	Online Training Programme
7	Prof. Vidya U, Prof. Dhanya Viswanath & Prof. Anu Jose	Paper presentation at 2nd International Conference on Mathematical Modelling and Computational Methods in Science and Engineering	Alagappa University
8	Prof. Priyadharshini A	Machine Learning	Online Training Programme
9	Prof. Prasad B S & Prof. Bineet Kumar Jha	Seminar on How to be safe online and how to check fake news	Online Webinar

10	Prof. Vidya U	ATAL FDP on Internet Of Things	Online Webinar
11	Prof. Shilpa Mangesh Pande	AICTE Sponsored Workshop on Improving Research planning and writing skills at Technical Institutes- Day 1	Online Workshop
12	Prof. Bineet Kumar Jha	Seminar on AWS Route 53	Online Webinar
13	Prof. Bineet Kumar Jha	Seminar on Artificial Intelligence: Nuts and Bolts of Deep Learning	Online Webinar
14	Prof. Bineet Kumar Jha	Seminar on Intellectual Property Rights for Business	Online Webinar
15	Prof. Bineet Kumar Jha	Seminar on Advanced Biometric	Online Webinar
16	Prof. Bineet Kumar Jha, Prof. Shilpa Mangesh Pande & Dr. Shahina Parveen	AICTE Sponsored Workshop on Improving Research planning and writing skills at Technical Institutes- Day 2	Online Workshop
17	Dr. Geetha S	Seminar on Managing infrastructure with Red Hat Satellite, Ansible Automation Platform and training	Online Webinar

18	Dr. Geetha S	Seminar on RedHat Virtual Summit	Online Webinar
19	Dr. Geetha S	Seminar on Building enterprise integration solutions with open source technologies	Online Webinar
20	Prof. Shilpa Mangesh Pande	Workshop on Turnitin	Online Workshop
21	Dr. Geetha S & Prof. Priyadharshini A	FDP on Cloud Application Development	Online FDP
22	Prof. Swathi Y, Prof. Shilpa Mangesh Pande, Prof. Vidya U & Prof. Dhanya Viswanath	IEEE Workshop on Reference Management Tool for Research articles & Thesis Writing	Online Workshop
23	Dr. Shahina Parveen	Seminar on How to Maintain Emotional Resilience & Balance during Stressful Times	Online Webinar
24	Prof. Priyadharshini A	Seminar on Next Generation data lake architecture with Red Hat	Online Webinar
25	Prof. Vidya U	Workshop on Introduction to Full Stack	Online Workshop
26	Prof. Vidya U	FDP on Introduction to Data Science- A practical approach	Online FDP

27	Prof. Shilpa Mangesh Pande	Seminar on Significance of IP, Design and Innovation and Design Thinking	Online Webinar
28	Prof. Sheetal R	NPTEL Live Special Lecture on Innovative Idea Generation using De-	Online Webinar
29	Dr. R Chinnaiyan	Seminar on Role of Cloud in Education	Online Webinar
30	Dr. R Chinnaiyan	FDP on Theory of Computation	Online FDP
31	Dr. R Chinnaiyan	Workshop on Image Classification using MATLAB	Online Workshop
32	Dr. R Chinnaiyan	Training Programme on R programming	Online Training



STUDENT ACHIEVEMENTS

SL NO.	STUDENT	EVENT
1	Hari Pranav A	Msp Impact Hackathon 1.0 - 4th Position
2	Ritik Singh	International Youth Math Challenge—Silver
3	Kirti Kumari	2nd Position in Poetry Contest conducted by Literary Club, CMRIT
4	Jigyasa	<ul style="list-style-type: none"> * 1st Position in Quizoholic conducted by Co-dechef * 3rd Position in Java Quiz conducted by Rise Club * 2nd Position in Quizid-19 conducted by Coding Ninjas * 3rd Position in 24hrs Python Hackathon conducted by CMRIT * 2nd Position in Debug the Bug conducted by Ace Club
5	Jessica Srivastava	<ul style="list-style-type: none"> * 3rd Position in Java Quiz conducted by Rise Club * 2nd Position in Do you Know India conducted by NSS Club * 3rd Position in PyQuiz conducted by Rise Club * 2nd Position in Hunky Brains conducted by Eco Club
6	Kunal Kishore, Jagriti Ratnani	Qualified 1st Round in National Engineering Olympiad
7	Rudransh Awasthi	1st Position in TYL 24 hrs Java Online Hackathon
8	M Sai Ganesh	1st Position in Table Tennis conducted by CMRIT
9	Jagriti Ratnani	Completed the Campus Ambassador Internship Programme at National Engineering Olympiad

The 3 D's of Future – Big Data, Data Science, Data Analytics

By Prof. Vidya U

Asst. Prof, Dept of ISE

Big Data, Data Science and Data Analytics are the three current technical Buzzwords in recent technology. This article briefs about how they are different, where they are used, and the core competencies needed to become a professional in each field.

Big Data refers to enormous volumes of data that include data gathering, data storage and data querying. Big Data professionals analyze system bottlenecks, build large-scale data processing systems and architect highly scalable distributed systems. It is used in financial services, communications, retail, etc., and require the skills of programming (Java, Scala), NoSql databases (MongoDB, Cassandra DB), frameworks (Apache Hadoop), as well as knowledge on distributed systems.

Data Science is the extraction of actionable insights from structured or unstructured data. The data extraction includes data cleansing, data preparation and aligning of data in an ingenious way. Data Science is an interdisciplinary field that draws on aspects of science, maths, computer science, business and communication including technical and non-technical skills. The skill set includes programming (Python, R, SAS), mathematical and statistical knowledge, machine learning algorithms, data visualization etc. The role of a data scientist is to predict the future based on past patterns, explore and examine the data from multiple sources and develop new analytical methods and machine learning models. Data science is mostly used in healthcare, image recognition, search engines, financial services, e-commerce, etc.

Data Analysts acquire related data from multiple sources, perform statistical analysis and summarize data to draw conclusions or solve problems by generating dashboards and/or reports. Skills include programming (Python, R, SAS), statistical and mathematical skills, data wrangling, and data visualization. Data Analytics is used in healthcare, travel and in the IT industry.

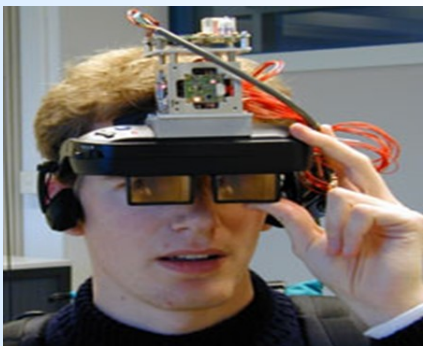
Augmented Reality

By Dr. Shahina Parveen

Asso. Prof, Dept of ISE

Augmented reality will truly change the way we view the world. Picture yourself walking or driving down the street with informative graphics appearing in your field of view and audio coinciding with whatever you see. These enhancements will be refreshed continually to reflect the movements of your head.

When the evolution of augmented reality is concerned, it has rapidly been used in the fields of business, logistics, gaming, manufacturing, retail industry and many more. AR used to be an activity which can easily enhance the growth of any business by its visual overlay. An augmented reality system is one that combines real and virtual world, is interactive in real time and is registered in 3D. Just as monitors allow us to see text and graphics generated by computers, head-mounted displays (HMDs) will enable us to view graphics and text created by AR systems. There are two basic types of HMDS: video see-through and optical see-through.



Once researchers overcome the challenges that face them, AR will likely pervade every corner of our lives. It has the potential to be used in almost every industry, including:

- * Instant information -Tourists and students could use these systems to learn more about a certain historical event.*
- * Imagine walking onto a Civil War battlefield and seeing a re-creation of historical events on a head-mounted, augmented-reality display. It would immerse you in the*

historical events on a head-mounted AR display. It would immerse you in the event and the view would be panoramic.

- * *Gaming - How cool would it be to take video games outside? The game could be projected onto the real world around you, and you could, literally be in it as one of the characters. One Australian researcher has created a prototype game that combines Quake, a popular video game, with augmented reality. He put a model of a university campus into the game's software. Now, when he uses this system, the game surrounds him as he walks across campus.*
- * *Education - In an Augmented Reality interface, students can be seated around a table and see each other at the same time as a virtual heart floating in their midst. This results in conversational behavior that is more similar to natural face-to-face collaboration than to screen based collaboration*

Augmented reality will further blur the line between what's real and what's computer-generated by enhancing what we see, hear, feel and smell.

Looking into future

What? Who? Why?

By Likith V P

4th Sem, ICR18IS083

We live in a delusional world where our thoughts and our thinking processes are not exactly ours though it is tagged to be “ours”. Creativity, though labeled as possessed only by the talented, is a myth; anyone with the spirit and belief in one’s imagination is no short. It’s all in our ability/willingness to ask questions and get the right answers to those questions. Why is it that we have lost our creativity growing up? I still remember the times when I used to ask my dad a ton of questions when he put on a cricket match, annoying him. Then why is it that as we grow up we stop asking them?

We could never have lived the Earth as it were if we hadn't had our childhood in it. If it weren't the earth, where the same flowers come up again every spring that we used to gather with our tiny little fingers. Then why do we bring about this change? Growing up, I didn't understand certain stuff. How do we come by the reference variables to which we compare ourselves to? How does one classify a person as beautiful and one as ugly? How does a person's character have different forms or different stories to tell? It is the same person innit? Isn't it supposed to be all about self confidence? Well, these questions have always baffled me growing up.

The problem lies in the fact that we don't probe anymore. The only inquiry we now do is for a vacation we are planning on. I find myself stuck in a dilemma of who is to be blamed – The Education System or Our Dumb selves who fell for it. But hey, I'm Just A Guy With A Lot Of Questions and a person who believes in what Einstein once said, "Logic will take you from A to B. Imagination will take you everywhere".

"What novelty is worth that sweet monotony where everything is known and loved because it is known", a passage from The Mill on the Floss that really hit me.

Overcoming The Challenges Of Coronavirus

By Jagriti Ratnani

4th Sem, ICR18IS064

The Corona Virus Pandemic or COVID-19 originated from the state of Wuhan in China about late 2019 and soon spread from a cluster to the whole world taking up lives of over a Lakh people as of now. The challenge to prevent the disease spread brings along a lot of other issues namely recession, large scale unemployment, lack of raw materials and services, malnutrition among others.

A lot of countries have responded to this with immediate sealing of their borders, internal lockdown, war level recognition and treatment of corona patients. "A Circuit Breaker" method is being used to overcome this global crisis. More than the implementation of this lockdown, we need an exit strategy that protects our well-being even as it bolsters our economy.

One of the first methods should be to launch a massive education campaign which will teach masses about basic hygiene practices and the need to stay away from one another. Given the conditions that a large section of our population live in, adopting these practices isn't easy. Hence, we need to create alternatives wherever possible.

The impact of this Pandemic on the global economy is already being felt - the price of crude oil barrel has gone below 0 and the price of long time usage commodities like gold is expected to reach an all time high. India has millions of people who do not have an option to work from home and it is indeed important to consider 'reopening' with strict physical distancing, hygiene norms and other controls.

The public health sector of our country also needs a huge boost both in number of medical personnel and also in the amount of money spent. The health care system should be a priority and not a part of crisis management. Mental health wellness programs should also be initiated for those who fought with this virus as patients or protectors and also for those who may suffer huge losses due to recession and shutdown programs.

The government should also focus on starting new projects and mending trade laws to bring in huge foreign investments so that unemployment could be reduced and our economy recovers well and fast. Farmers who are the backbone of our GDP should be given special privileges, such as, in terms of loan repayment, low price of seeds, pests, fertilisers and easy availability of farming machinery.

The COVID-19 Pandemic is one the world has never seen before. We should all stand together, but afar, amid this huge crisis and fight it with patience and perseverance.

Is Poverty Inevitable..???

By Jagriti Ratnani

4th Sem, ICRI8IS064

I am not the urgent attention seeker ; don't worry...

I know uh developed minded people are in so much hurry...

There's so much for uh all to execute...

And yes ; your role in GDP ; I can't refuse...!!

But please don't penalise me to say ; that hopefully we started of the same way...

Seventy years ago with high hopes and aspirations...

We were proud of the most awaited creation...!!

But even after so many decades ; I feel ; I am stuck at same point from where we started our development wheel...

Don't panic ; your pride is intact ; I won't steal...

But honestly it hurts when I can't afford my child one time meal...!!

It's so heart wrenching...

When hundreds die in calamity...

But it's unnoticeable...

When millions of us perish annually...!!

Condolences from everywhere pour in ; if people go homeless due to disaster...

And does anyone care to look at us ; how we spend our entire lives near gutter...!!

Workshops and forwarded messages won't alone do...

Unless we the main victims are part of thinking crew...!!

A bit of care and policy implementation...

We need all of yours urgent attention...!!

Country with fastest growing economy ; still have 22% of BPL families...

Don't treat this poverty inevitable...

Treat us as urgencies...!!

RESULTS - ODD SEMESTER

SEMESTER	RESULT PERCENTAGE
3 RD	79.12%
5 TH	66.98%
7 TH	83.48%

ACADEMIC TOPPERS

Chaithanya M →

1CR16IS026

72.75% - 7th Sem



Amulya J R

1CR17IS010

85.25% - 5th Sem



Shwetha Mishra

1CR18IS148

88% - 3rd Sem



PLACEMENTS

COMPANY IN WHICH PLACED	STUDENT COUNT	PACKAGE
ALL STATE INDIA	2	7.5 LPA
SACHA ENGINEERING	1	7.25 LPA
OPENTEXT	2	7.25 LPA
WIPRO	1	7.25 LPA
SILVERPEAK GLOBAL-JAPAN	1	6 LPA
SIGMOID	1	5 LPA
MOVEINSYNC	1	5 LPA
FIS GLOBAL	2	5 LPA
SILVERPEAK GLOBAL-JAPAN	2	4 LPA
FIS GLOBAL	1	3.5 LPA
FIS GLOBAL	1	3.25 LPA

