

INFO - RISES

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Department of Information Science and Engineering



CMR INSTITUTE OF TECHNOLOGY



DEPARTMENT OF
INFORMATION SCIENCE
&
ENGINEERING

INFO RISES 2020 -2021
ODD SEMESTER
VOLUME 4,ISSUE 3



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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News Letter Editor
Dr.S.Geetha

MESSAGE FROM HOD



There are several ways to present the canonical core of information science and Engineering. Over the years we have developed a distinct style and method that bridges the theory - practice divide while remaining grounded in the core. Technology changes rapidly, especially in the field of computing, whereas the science, if it changes at all, does so much more gradually. Our understanding is that persons who are clear and thorough about the fundamentals can adapt to rapid changes in technology relatively easily. We want the education imparted to our students to be the basis of a lifetime of learning. This is the single most important attribute of the education offered here. Our department has remained true to the vision on which it was founded.

Learning is a continuous process and does not end with the acquisition of a degree, especially because steady and rapid advances in computing technologies shorten the life of tools and techniques prevalent today. Therefore, we do not aim to make our students walking manuals of any language or package. Instead, they are given a strong foundation in Information science and problem-solving techniques and are made adaptable to changes.

We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the software industry. I am confident that you will find our students worthy of your organization.

Dr. Shreekanth M. Prabhu
Head - Information Science & Engineering



CLUB ACTIVITIES

SL No	CLUB	EVENT	DATE
1	Codechef	Game of Threads (Quiz)	09.08.2020
2	RISE	Discuss, Learn, Create, Innovate, Discover	16.08.2020
3	Codechef	Decode Apocalypse	30/08/2020
4	Coding Ninjas	Online Workshop on Ethical Hacking	30/08/2020
5	Coding Ninjas	Spot the Bug	05.09.2020
6	Codechef	The Pattern Enigma	20.09.2020
7	Google DSC	Insight into DSC	26.09.2020
8	Coding Ninjas	Web it Out	28.09.2020
9	RISE	Codigo	30.09.2020
10	Google DSC	30 days Google cloud program	01.10.2020
11	Codechef	The structures Clutch	12.10.2020 & 5.00pm
12	RISE	Java on the run	14.10.2020 & 6.45 pm
13	Coding Ninjas	CPL pre-season	14.10.2020 & 5.30 pm
14	Coding Ninjas	CPL Best Vs Best	17/10/2020, 5pm

15	Coding Ninjas	CPL Finale	18/10/2020, 12pm
16	Codechef	Codezilla	26.10.2020 & 8.00pm
17	Codechef	Roadmap of competitive programming	29.11.2020
18	Google DSC	Android Study Jams	06.01.2021
19	RISE	Reg-Ex/Python	26.01.2021

INDUSTRY CONNECT

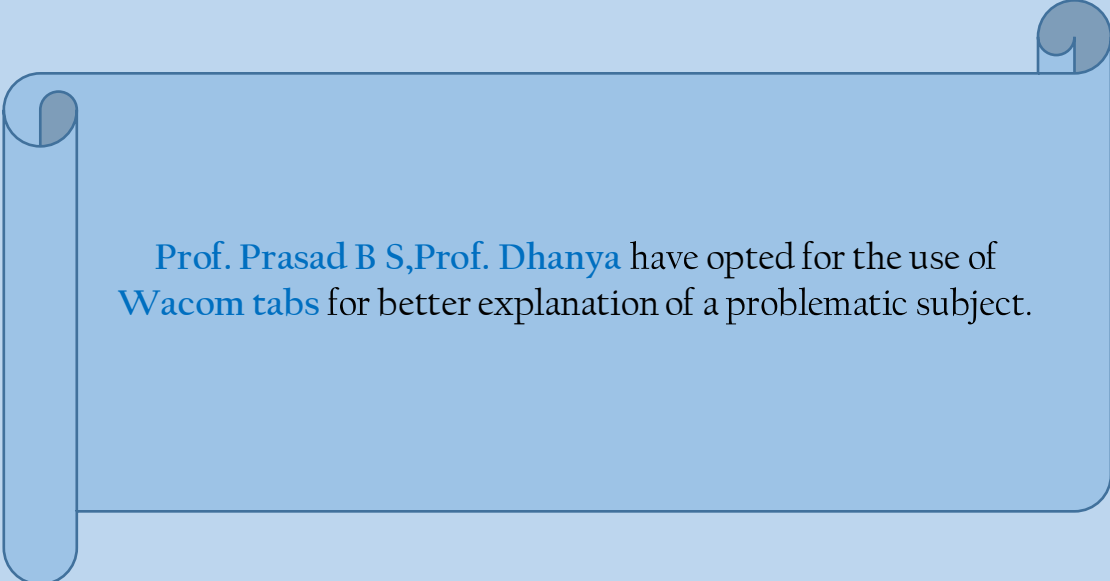
1. Training Program was conducted by IDBC 2020, Director – NIE , Mysore, Dr.Ashok Rao
2. Training Program was conducted by IDBC 2020, Saroja Enterprises - Mysore, Mr.S.M.Narasimhan
3. Training Program was conducted by IDBC 2020, Professor & Head -CIT, DrS.Vasantharathna
4. Training Program was conducted by IDBC 2020, Manager – CADopt Tech, Mrs.Anitha
5. Training Program was conducted by IDBC 2020, MIT Campus -Chennai, Dr.A.Kaviyarasu
6. Training Program was conducted by IDBC 2020, MIT Campus - Chennai, Dr.G.Rajesh
7. Training Program was conducted by IDBC 2020, Director & Professor -AVCCE, Dr.S.Selvamuthukumaran
8. Training Program was conducted by IDBC 2020, Shell – Bangalore, Mr.S.Balachandar
9. Training Program was conducted by IDBC 2020, Technical Lead - Testing, Mr.Ramkumar Viswanathan
10. Training Program was conducted by IDBC 2020, Professor – Anna University, Dr.M.A.Bhagyaveni
11. Training Program was conducted by IDBC 2020, Professor – Anna University, Dr.Kurian Joseph
12. One Day Boot Camp was conducted for Lab Instructors Environmental Issues and Safety Measures in Laboratories, Technical Lab Instruments Bangalore, Mr.J.Ravikumar
13. One Day Boot Camp was conducted for Lab Instructors Environmental Issues and Safety Measures in Laboratories, Technical Lab Instruments Bangalore, Mr.Vinay.K.M.
14. Alumni program was organized with the topic of Higher Education, Deloitte USA, Ms Nishmitha Ravindranath(advisory consultant)
15. Training Program was conducted by STTP - AI2ABI 2020, Accenture Security- Bangalore, Philip V.Varughese, Vice President & Global Lead
16. Training Program was conducted by STTP - AI2ABI 2020, JIMS Kalkaji – New Delhi, Mrs. Barkha Narang

17. Training Program was conducted by STTP - AI2ABI 2020, PSG College of Technology - TN, Dr.S.Lovelyn Rose , Associate Professor
18. Training Program was conducted by STTP - AI2ABI 2020, Professor & Director -MCA Vice Principal AVCCE, Dr.S.Selvamuthukumar , Professor & Vice Principal
19. Training Program was conducted by STTP - AI2ABI 2020, Annamalai University- Tamil Nadu, Dr.N.Kumarappan , Professor
20. Training Program was conducted by STTP - AI2ABI 2020, AVCCE- Tamil Nadu, Mrs.Krishnakumari , Associate Professor
21. Training Program was conducted by STTP - AI2ABI 2020, Impact Big Data Analytics Bangalore, Dr.P.Ambika , Data Scientist
22. Training Program was conducted by STTP - AI2ABI 2020, Jain University Bangalore, Dr.Narayana Swami Ramaiah , Professor & Head
23. Training Program was conducted by STTP - AI2ABI 2020, Shell – Bangalore, Mr.S.Balachandar , Lead Data Analyst Delivery Head
24. Training Program was conducted by STTP - AI2ABI 2020, Indira College of Engineering & Management, MCA, Pune, Dr. Darshana Jignesh Desai , Associate Professor & Head
25. Training Program was conducted by I&E Start-up , CMRIT, Dr. M. SHAHINA PARVEEN
26. Training Program was conducted by AI2ABI 2020, Chief Data Scientist CleverInsight , Bangalore, Mr.Bastin Robins,Chief Data Scientist CleverInsight , Bangalore
27. Training Program was conducted by AI2ABI 2021, Professor , SRM University - Chennai, Dr.Paavai Anand G Professor , SRM University - Chennai
28. Training Program was conducted by AI2ABI 2022, Senior Consultant lever Insight , Bangalore, Mr.Visveswaran Vaiyapuri Senior Consultant Clever Insight , Bangalore
29. Training Program was conducted by AI2ABI 2023, Lead Tech Consultant , Data Scientist – Cust Support South Africa & Chennai, M. De.Sambath Lead Tech Consultant , Data Scientist – Cust Support South Africa & Chennai
30. Training Program was conducted by AI2ABI 2024, Ops Head, Maxbyte Technologies - Coimbatore, Mr.D.Surendar
31. Training Program was conducted by AI2ABI 2025, Team Lead , INWHIZZ IT Innovations Hubli Karnataka, Mr.Pravin Hanchinal Founder,Team Lead , NWHIZZ IT Innovations Hubli Karnataka
32. Training Program was conducted by AI2ABI 2026, Professor & HEAD –CSE SVCE - Chennai, Dr.Anitha, Professor & HEAD –CSE
33. Training Program was conducted by AI2ABI 2027, Lead Consultant – Cyber Security Info Sec in AstraZeneca India Pvt., Ltd.- Chennai, Mr.Sandeep, Lead Consultant – Cyber Security Info Sec in AstraZeneca India Pvt., Ltd.- Chennai
34. Training Program was conducted by AI2ABI 2028, Assistant Professor – CSE RIT - Chennai, Mrs.S.Subha
35. Webinar was organized by Center of Excellence of Data Driven IoT with the title of Industry applications of IoT based Blockchain by the head of Center of Excellence, Dr.S.Geetha ,CMRIT.
36. Training Program was conducted by Dr.P.Ambika, Expert Data Scientist Impact Big Data Analytics Bangalore.

37. Training Program was conducted by Mrs.Thilagavathy Pandiyan Asso. Director- PV, Astalynx Global Inx.Bengaluru.
38. Training Program was conducted by Dr.Stalin Alex, Professor- CSE, Jain University, Bangalore,
39. Training Program was conducted by Thane - Maharastra, Mr.Arunjit Chowdhury, CEO, EBTS.
40. Training Program was conducted by Mrs.S.Suba, Asso. Professor- CSE , RIT Chennai, Tamil Nadu,
41. Training Program was conducted by Prof.K.Punitharaja Asst. Professor - SCSE, Galgotias university, Greater Noida, India.
42. Training Program was conducted by Dr. Ravindra Kumar Chahar, Asst. Professor - SCSE, Galgotias University, Greater Noida, India,
43. Training Program was conducted by Dr.Vijayarani, Professor, Department of CSE Bharathiyar University.
44. Training Program was conducted by Dr.Gunasekaran S, Professor & Head – CSE, Ahalia College of Engg Kerala.
45. Training Program was conducted by Dr. B. Sathiyabhama Prof. Head - CSE, Sona College of Technology, Salem – Tamil Nadu,
46. Training Program was conducted by Mr.S.Balachandar, Lead Data Analytics Shell India Pvt.Ltd., Bangalore,
47. Training Program was conducted by Dr.Hitesh Sha and it was organized & arranged by Prof. & Head –ECE, GH PCET – Gujarat.
48. Training Program was conducted, and it was organized & arranged by Prof.Swathi and it was organized & arranged by for New TLP Process, CMRIT, 30th Nov 2020

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, GoogleMeet, GoToWebinar and WebEx** being some of them.

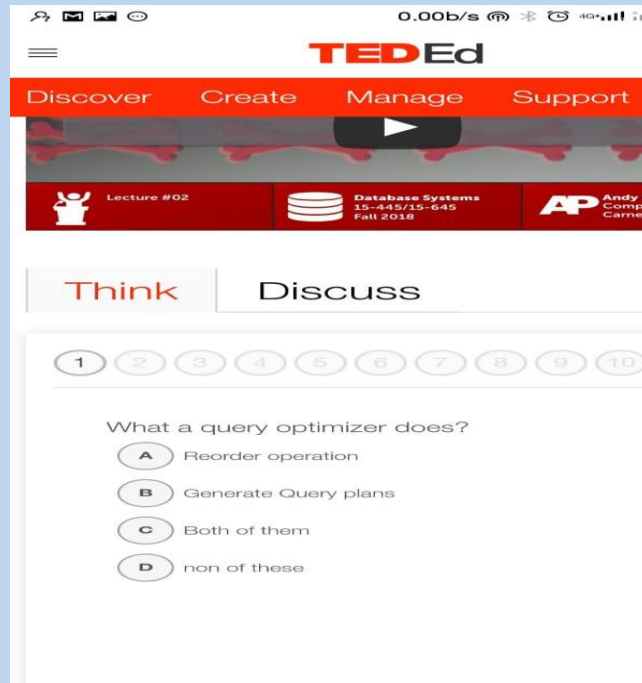


Prof. Prasad B S, Prof. Dhanya have opted for the use of **Wacom tabs** for better explanation of a problematic subject.

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 micro-seconds as it makes your adjustments on screen.

Kahoot quiz

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 gives the option to track the result



A Kahoot quiz is a series of questions with between two to four multiple-choice answers to choose from. The questions are pre-sented 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.



MOOC/TECHNICAL PAPER

- 17/19 Faculty members completed their MOOC.
- 195/195 students have completed their MOOC courses in the 3rd semester.
- 185 /185 students have completed their MOOC courses in the 5th semester.

NPTEL - Big Data Computing

Announcements About the Course Ask a Question Progress Mentor

Shilpa

Date enrolled: 20/04/20

Email: shilpa@nptel.ac.in

Name: Shilpa

Week	Assignment	Score
Week 1	Assignment 1	100.0
Week 2	Assignment 2	100.0
Week 3	Assignment 3	100.0
Week 4	Assignment 4	100.0
Week 5	Assignment 5	100.0
Week 6	Assignment 6	100.0
Week 7	Assignment 7	100.0
Week 8	Assignment 8	100.0

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भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

नामांकन सं./ Enrollment No.: 2020630200407

ऑनलाइन दूरस्थ अधिगम प्रमाण पत्र
ONLINE DISTANCE LEARNING CERTIFICATE

पाठ्यक्रम प्रमाणपत्र/ COURSE COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि प्रो. विद्या उबालका को यह प्रमाण पत्र - सुदूर संवेदन अनुप्रयोगों में कृषि जल प्रबंधन में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस) द्वारा 03 अगस्त, 2020 से 07 अगस्त, 2020 के दौरान किया गया। प्रतिभागी ने आईआईआरएस आउटरीच नेटवर्क सेंटर, सीएम्आईटीएच ऑफ टेक्नोलॉजी से इस पाठ्यक्रम में भाग लिया है।

This is to certify that **PROF. VIDYA UBALANKA** has been awarded this certificate on having completed the online course on **"Remote Sensing Applications in Agricultural Water Management"**. The course was conducted by Indian Institute of Remote Sensing (IIRS), during 03-08-2020 to 07-08-2020. The participant has attended the course at IIRS outreach network centre, **CMR Institute of Technology**.

Date: 23-09-2020
Dehradun

समन्वयक, विश्वविद्यालय/ संस्थान
Coordinator, University/ Institution

निदेशक/ Director,
आईआईआरएस, देहरादून/ IIRS, Dehradun

UID: 181176a7912b325947988b8234607 This Certificate can be validated using URL: <https://certificates.iirs.gov.in>

NPTEL - Practical Machine Learning with Tensorflow

Announcements About the Course Ask a Question Progress Mentor

Shilpa

Date enrolled: 20/04/20

Email: shilpa@nptel.ac.in

Name: Shilpa

Week	Assignment	Score
Week 1	Practice Assignment 1	-
Week 2	Practice Assignment 2	-
Week 3	Practice Assignment 3	-
Week 4	Assignment 1	100.0
Week 4	Assignment 2	91.0
Week 5	Assignment 3	22.0
Week 6	Assignment 4	75.0
Week 7	Assignment 5	22.0
Week 8	Assignment 6	97.0
Week 8	Assignment 7	100.0
Week 8	Assignment 8	95.0

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Certificate of Completion

This is to certify that **Vidya** successfully completed 4.5 total hours of **Patent Filing in India** online course on **Aug. 31, 2020**

Monk Akarshala, Instructor
&
Udemy

#BeAble

Certificate No: UC-4887919-83aa-4688-4746-61461657346
Certificate URL: udacity/UC-4887919-83aa-4688-4746-61461657346

swayam (https://swayam.gov.in/) (https://swayam.gov.in/noc_details/NPTEL)

sudhakar.kn@cmrit.ac.in (https://onlinecourses.nptel.ac.in/noc20_cs78/#)

NPTEL (https://swayam.gov.in/explorer?noCode=NPTEL) - Social Networks (https://onlinecourses.nptel.ac.in/noc20_cs78/course)

Announcements (https://onlinecourses.nptel.ac.in/noc20_cs78/announcements)

About the Course (https://onlinecourses.nptel.ac.in/noc20_cs78/preview)

Ask a Question (https://onlinecourses.nptel.ac.in/noc20_cs78/forum)

Progress (https://onlinecourses.nptel.ac.in/noc20_cs78/student/home)

Mentor (https://onlinecourses.nptel.ac.in/noc20_cs78/student/mentor)

Sudhakar K N

Date enrolled: 2020-07-07

Email: sudhakar.kn@cmrit.ac.in

Name: Sudhakar K N

Week	Assignment	Score
Week 1	Assignment 1	65
Week 2	Assignment 2	80
Week 3	Assignment 3	-
Week 4	Assignment 4	75
Week 5	Assignment 5	70

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.

SNO	FACULTY NAME	TOPIC*	MONTH & YEAR
1.	Dr.S.Geetha	Data visibility in Block chain	June 2020
2.	Dr.Anand	IoT implementation using Proteus simulator - Hands on	June 2020
3.	Prof.swathy	Machine Learning Classifications and its Use Cases	June 2020
4.	Prof.Prasad	Natural Language Processing	June 2020
5.	Prof.Priyadarshni	Securing Medical Records by combining Cryptography and Steganography	June 2020
6.	Prof.Dhanya	Android App Development	June 2020
7.	Ms Ashwini Ramchandra Doke	Automl and Metalearning based Vision application	January 2021
8.	Vidya U	Topic Modeling	January 2021
9.	Dr.Chinnaiyan R	Analysis and Prediction of COVID-19 Infection using R	January 2021

FACULTY PUBLICATIONS

1. Bineet Kumar Jha had presented a paper on World Academy of Research in Science and Engineering, Cloud-Based Smart Water Quality Monitoring System using IoT Sensors and Machine Learning, 22783091, 2278-3091, 3403-3409
2. Priyadharshini A had presented an article on Science and Engineering Research Support Society , A Novel Method for Securing Medical Records using RTL System, 2005-4238 , 2005-4238 , 12955-13001
3. Shilpa Pande, Warse had presented an article on Towards a Unified Approach for Crop Yield Prediction, ISSN 2347 -3983
4. Dr.R.Chinnaiyan had presented an article on VCANDO 2020, ML Approaches for Early Diagnosis and Prediction of Fetal Abnormalities.
5. Swathi.Y, had presented a paper on Smartgen, creation of synthetic dataset using machine learning techniques for haze classification, 2394-5125, 2394-5125, vol 7, issue 19,3895-3901, Journal of Critical Reviews

6. Dr. Shreekanth M Prabhu had presented a paper on IEEE xplore with the title of Identity Management using Ontology based Tantra Framework,Amity ICRITO 2020
7. Akhilaa had presented a paper on IEEE International Conference for Innovation in Technology (INOCON), Vision: Android Appication for Visually Impaired, 06-11-2020
8. R. Joshua Samuel Raj had presented a paper on Web Based Database Security In Internet Of Things Using Fully Homomorphic Encryption And Discrete Bee Colony Optimization, Nov-26, 2020, Special Issue 1/2020: "Big Data and Cloud Computing Challenges", 1-14, Malaysian Journal of Computer Science
9. Dr. Shreekanth M Prabhu had presented an article on Transforming India's Social Secto using Ontology-based Tantra Framework, ICTCS 2020
10. Prasad B S had presented an article on Reservoir Inflow Prediction using Multi-model Ensemble System IEEE International Conference on Communication, Computing, and Industry 4.0 (C2I4) 2020

PATENTS



SNO	FACULTY	PATENT TITLE	MONTH OF
1.	Swathi.Y	System and Method to embed a Natural Perfume Dispenser in Analog Watch	August 2020
2.	Priyadharshini A	A Handcrafted multi-purpose Borassus Mudda Chair	August 2020
3.	Akhilaa	A System and Method for Enabling Digital Classroom	September 2020
4.	Dhanya Viswanath	A System and Method to prevent potential misuse of a cooking gas cylinder through biometrics based control mechanism	September 2020
5.	Shreekanth M Prabhu	System and Methods for Designing and Operating Collaborative Disintermediated File Systems	September 2020

6.	Shilpa Pande	A smart device containing oil, burnt through a wick for illumination using IoT Infrastructure	September 2020
7.	Savitha Hiremath	Ranking Method for Sentiment Classification of Tweets with Contradicting Emojis	September 2020
8.	Ashwini Doke	A Technique for PPPOE Rapid Commit	September 2020
9.	Anu Jose	A blockchain based Secure Pharmacovigilance System	September 2020
10.	Vidya U	Enhanced Fusional Contactless Biometric Security System For IOT	September 2020
11.	Dr.Shahina parveen M	Smart School bag for Assisting and Protecting the school students by geo tracking.	September 2020
12.	Prasad B S	System And Method For Public Utility Service Monitoring And Controlling Using Internet Of Things (IoT) Through Social Media Based Community Participation	September 2020
13.	Bineet Kumar Jha	Internet of Things (IoT) based Smart Health Monitoring System with Long Range (LoRa) Wireless Network	September 2020
14.	Swathi.Y	System and Method to embed a Natural Perfume Dispenser in Analog Watch	September 2020
15.	Dr R Joshua Samuel Raj	Smart Agri-Bot With Seed Sowing, Nutrients And Leaf Disease Identification For Better Crop Yield	September 2020

16.	Sudhakar K. N	Portable Medical Container with Temperature Gauge: A medical aid for Preserving Temperature Critical Medicine	September 2020
17.	Sheetal R	Method and Apparatus for self-monitoring of alcohol consumption	September 2020
18.	Anand R	A System and Method to Monitor Road Traffic	September 2020
19.	Dr, S.Geetha,Anand R	Remedy for Overflow Identification Cycles for Intellectually Disabled Women using Mensuration Cups with IoT	October 2020
20.	Dr. M Shahina Parveen	The severity level and early prediction of covid-19 using CEDCNN classifier	October 2020
21.	Dr. Shreekanth M Prabhu	System and Method for Implementing Trusted Digital Payment Platform	October 2020
22.	Dr. Shahina parveen	Iterative Domain Adaptation Method for Training Sentiment Classifier	December 2020
23.	Dr. Shahina parveen, Swathi.Y,Priyadarshini A,Ashwini Doke	Robo cats for surveillance and protection	December 2020
24.	Dr. Shahina parveen, Swathi.Y,Priyadarshini A,Ashwini Doke	System and method for dispensing audio through interactive podcasting	December 2020
25.	Priyadarshini A, Swathi.Y,Priyadarshini A,Ashwini Doke	Robo cats for surveillance and protection	December 2020

26.	Priyadharshini A, Swathi.Y,Priyadharshini A,Ashwini Doke	System and method for dispensing audio through interactive podcasting	December 2020
27.	Dr. Savitha Hiremath, Dr. Shahina parveen M Dr. S H Manjua	Iterative Domain Adaptation Method for Training Sentiment Classifier	December 2020
28.	Dr.M. Shahina parveen	Distance detection sensor in Mask for children safety in Covid-19 environment	January 2021
29.	Mr. Bineet Kumar Jha	System and Methods for Determining Product Performance in E-Commerce Platform using Sentiment	January 2021
30.	Dr. Shreekanth M Prabhu	A System And Method For Implementing Secure Voting In A Digital Voting System	January 2021
31.	Dr. Shreekanth M Prabhu	A System And Methods For Designing Social Information Filesystems	January 2021
32.	Dr. Shreekanth M Prabhu	System and Methods for Designing And Operating collaborative Disintermediated File Systems	January 2021
33.	Dr. Shreekanth M Prabhu	System and Method For Implementing Trusted Digital Payment Platform	January 2021

FACULTY AWARDS & ACHIEVEMENT

SL NO	FACULTY	CATEGORY OF AWARD	AWARDED BY
1	Dr. M. Shahina Parveen	Innovative Research and Dedicated Teaching Professional Award	
2	Dr. Shreekanth Prabhu	Special Mention of The Jury For The Phd Thesis	

FACULTY AS RESOURCE PERSONS

1. Dr.S.Geetha presented a Webinar on An Overview of Intellectual Property, Loyola Institute of Technology,Chennai, Dr.M.Shahina Parveen, CMRIT, Bengaluru, workshop, Design Thinking
2. Dr.M.Shahina parveen served as resource person for 3 days workshop, Patent Drafting & Filing CMRIT, Bengaluru,
3. Swathi.Y served as resource person for CMRU Orientation 2020-21, Session 1:Outcome BasedApproach-An overview Curriculum, syllabus, rationale, relevance and approach.Session 2: Student learning goals, objectives and delivery including regulatory evaluation mechanisms (NAAC/NBA) CMR University,Bengaluru,
4. Dr. Anand R served as resource person for AICTE-STTP, Proteus IoT Design and simulation CMRIT, Bengaluru,
5. Dr. Anand R served as resource person for FDP in CSE dept, LPC2148 Micro Controller simulation CMRIT, Bengaluru.

6. Dr.R.Chinnaiyan served as resource person for AICTE-STTP, IoT Use Cases CMRIT, Bengaluru.
7. Dr. Sudhakar K. N served as resource person for VTU TEQIP Workshop, Computer Ethics and Safety Measures in Laboratories, CMRIT, Bengaluru,
8. Dr. Shahina Parveen served as resource person for 6 days STTP CMRIT.
9. Dr.S. Geetha served as resource person for Webinar at Sri Shakthi College of Engineering and Management.
10. Dr.R.Chinnaiyan served as resource person for 6 Days STTP CMRIT.
11. Prasad B S served as resource person for Creation of VTU Engineering Dictionary in Kannada,VTU.
12. Dr.Shahina Parveen M served as resource person for STTP -IDBC 2020,CMRIT.
13. Dr.S.Geetha presented a Webinar on Live use cases of Block chain over Internet, STTP -IDBC 2020,CMRIT.
14. Dr.S.Geetha served as resource person for Block chain techniques for Industrial Applications, Bharath Institute of higher education and Research
15. Dr. M Shahina parveen served as resource person for STTP :AI BASED AUGMENTED ANALYTICS FOR BI, CMRIT
16. Dr. Shreekanth M Prabhu served as a Journal Reviewer.
17. Dr. M Shahina parveen served as resource person for Healthy Life Style by Well Being club, CMRIT.
18. Dr.S. Geetha served as reviewer for IEEE International Conference.
19. Dr.S. Geetha served as reviewer for medical informatics journal.
20. Dr.S.Geetha served as resource person for AICTE Sponsored Two Weeks Faculty Development Programme at Sri Shakthi Institute of Engineering and Technology.
21. Prasad B S served as resource person for AICTE Sponsored - Six-Days Online STTP on AI enabled Augmented Analytics for Business Intelligence,CMR Institute of Technology.
22. Dr.S.Geetha conducted a Webinar from COE - Data Driven IoT on" Industrial applications on IoT based Blockchain at CMRIT
23. Dr. M.Shahina parveen as resource person for AICTE Sponsored - Six-Days Online STTP on AI enabled Augmented Analytics for Business Intelligence, CMR Institute of Technology.
24. Prasad BS as resource person for Webinar on "Various efficient online tools and best practices for effective teaching"
25. Dr. M SHAHINA PARVEEN as resource person for STTP on "Industrial applications of IOT"
26. Dr. M SHAHINA PARVEEN as resource person for Workshop on "Innovation design and drafting "
27. BINEET KUMAR JHA as resource person for LTTP on "Full Stack" [INDIA STACK]
28. Prasad BS as resource person for STTP on "Industrial applications of IOT"
29. Dr. S.Geetha as resource person for STTP on "Industrial applications of IOT"
30. Dr.M.Shahina parveen as resource person for Tagore Institute of Technology for Design Validation Through Various Models.

Ph. D STATUS UPDATES

SL. NO	DATE	FACULTY NAME	STATUS*
1.	23.7.2020	Ashwini Doke	In Computer Human interaction domain Registered
2.	20.11.2020	Bineet Kumar Jha	Big Data Analytics, Course Work Completed
3.	05.07.2020	Sheetal R	Internet of Things, Admitted
4.	04.08.2020	Savitha Hiremath	Data Mining, completed

INDUSTRY CONNECT ACTIVITIES ATTENDED BY FACULTY

SL NO.	FACULTY	EVENT/TOPIC	VENUE
1.	Savitha Hiremath	Pervasive Use Of Artificial Intelligence In Industry	Department Of Cse, Uvce, Bengaluru
2.	Bineet Kumar Jha	Web Development Using Real Time Apis	Department Of Te, Ksit, Bengaluru
3.	Bineet Kumar Jha	Latex	Department Of Cse, Amcec, Bengaluru
4.	Dhanya Viswanath	Sensor Technology In lot	Department Of Ece, School Of Engineering, Avinashilingam Institute For Home Science And Higher Education For Women, Coimbatore
5.	Dhanya Viswanath	Handgrip Between lot And MI	Arasu Engineering College, Tamil Nadu
6.	S.Geetha	The Future Of Leadership	Cisco

7.	Bineet Kumar Jha	Introduction To Machine Learning: Object Recognition And Nlp With Tensorflow	Scaler Edge
8.	Bineet Kumar Jha	Application Development Ii	Techgig
9.	Bineet Kumar Jha	Big Data Beginner	Techgig
10.	Bineet Kumar Jha	Gcp Fundamentals Core Infrastructure Ii	Techgig
11.	Dhanya Viswanath	Recent Applications In Fibre Optical Communication	Arasu Engineering College, Tamil Nadu
12.	Shilpa Pande	Ipr	Cmrit,Bangalore
13.	Priyadarshini A	Academic Writing And Publishing In Sci Journal	North Malabar Institute Of Technology, Kerala
14.	Dr. Anand R	Recent Technologies In Cloud Computing And Iot	Srm Institute Of Science And Technology, Kattankulathur, Tamil Nadu
15.	Dr. M.Shahina Parveen	How Toavoid Rejection In Sci Journal	North Malabar Institute Of Technology, Kerala
16.	Dr. M.Shahina Parveen	Intellectual Property Rights	Gopalan College Of Engienering, Bengaluru.
17.	Prasad B S	"Ieee Publication Process"	Vidyavardhaka College Of Engineering, Mysore
18.	Prasad B S	Ipr	Cmrit,Bangalore
19.	Bineet Kumar Jha	Ipr	Cmrit,Bangalore
20.	Bineet Kumar Jha	C++ Hard	Techgig
21.	Bineet Kumar Jha	C++ Medium	Techgig
22.	Savitha Hiremath	Computational Contributions Covid-19 Drug Discovery	Dept. Of Cse, Uvce, Bengaluru
23.	Ashwini R Doke	Ieee , Eleventh International Conference On Computing, Communication And Networking Technologies,	Indian Institute Of Technology, Kharagpur, India,
24.	Ashwini R Doke	Data Analytics & Visualization Using Tableau	Udemy
25.	Priyadarshini A	Internet Of Things Big Data Cloud	Cmrit,Bangalore
26.	Dr. M.Shahina Parveen	Internet Of Things Big Data Cloud	Cmrit,Bangalore
27.	Anu Jose	Recent Technologies In Cloud Computing And Iot	Srm Institute Of Science And Technology, Kattankulathur, Tamil Nadu

28.	Anu Jose	Mobile App Development And Artificial Intelligence With Mitapp Inventor	Nmamit, Nitte,Bangalore
29.	Anu Jose	Ipr	Cmrit,Bangalore
30.	Vidya U	Covid19 Data Analysis Using Python	Coursera
31.	Vidya U	“Python Programming Through Infytq Platform”	Infosys
32.	Dr. R. Joshua Samuel Raj	Internet Of Things Big Data Cloud	Cmrit,Bangalore
33.	Dr.R.Chinnaiyan	Contemporary Research Trends In Ec & Cs	Vtu-Kalaburgai
34.	Dr.R.Chinnaiyan	Sttp Idbc 2020	Cmrit,Bangalore
35.	Dr.R.Chinnaiyan	Vtu Foss	Vtu-Belgavi
36.	Dr.R.Chinnaiyan	Machine Learning	Bmsit-Bangalore
37.	Mr. Bineet Kumar Jha	Ipr- Patent Drafting Quiz	Cmrit,Bangalore
38.	Dr. Sudhakar K. N	Moodle Learning Management System	Spoken Tutorial Iit Bombay, Mhrd,Government Of India
39.	Dr. Sudhakar K. N	Symantic Web	Dyanand Sagar University
40.	Dr. Sudhakar K. N	Microfabric Technology	Jis College Of Engineering
41.	Dr. Sudhakar K. N	Challenges And Opportunities In Ai And Mi	Bheemanna Khandre Institute Of Technology, Bhalki.
42.	Dr. Sudhakar K. N	Ipr- Patent Drafting Quiz	Cmrit,Bangalore
43.	Dhanya Viswanath	Internet Of Things Big Data Cloud	Cmrit,Bangalore
44.	Dhanya Viswanath	Ipr- Patent Drafting Quiz	Cmrit,Bangalore
45.	Swathi.Y	Ipr	Cmrit,Bangalore
46.	Dr.R.Chinnaiyan	Aicte Sttp On Block Chain Fundamentals	Sttp
47.	Dr.S.Geetha	Leaderboard Winners Of Et Datacon Virtual Summit,Region’s Biggest Data & Ai Event – The Economic Times Datacon Virtual Summit	Ibm
48.	Vidya U	Workshop	Turnip Innovations Pvt. Ltd.
49.	Vidya U	Iirs	Isro
50.	Vidya U	Fdp	Atal
51.	Priyadarshini A	Webinar	Cmrit
52.	Ashwini Doke	Fdp	Atal Aicte
53.	Ashwini Doke	Fdp	Atal Aicte
54.	Dr. Sudhakar K. N	Fdp	Energy Swaraj Foudation
55.	Dr.S.Geetha	Et Data Conclave...	Microsoft Azure

		Reimagine Decision Making With Faster Analytics With Microsoft Azure	
56.	Bineet Kumar Jha	Motilal Nehru National Institute Of Technology (Mnnit)	Artificial Intelligence
57.	Dr. Shreekanth M Prabhu	Virtual - Jis College Of Engineering Kalyani	locer 2020
58.	Dr. Shreekanth M Prabhu	Organized By Softcomputing Research Society	Cis 2020
59.	U.Vidya	Virtual Fdp Given By Ibm	Ibm-Gurucool
60.	U.Vidya	Project Submission Online	MI- Hackathon
61.	Dr.R.Chinnaiyan	Ise Cmrit	Aicte Sstp
62.	Dr.R.Chinnaiyan	Aicte	Aicte Atal
63.	Dr.R.Chinnaiyan	Sirmvit	Kscst Cell
64.	Bineet Kumar Jha	Motilal Nehru National Institute Of Technology (Mnnit)	Artificial Intelligence
65.	Dr. Shreekanth M Prabhu	Virtual - Jis College Of Engineering Kalyani	locer 2020
66.	Dr. Shreekanth M Prabhu	Organized By Softcomputing Research Society	Cis 2020
67.	U.Vidya	Virtual Fdp Given By Ibm	Ibm-Gurucool
68.	U.Vidya	Project Submission Online	MI- Hackathon
69.	Dr.R.Chinnaiyan	Ise Cmrit	Aicte Sstp
70.	Dr.R.Chinnaiyan	Aicte	Aicte Atal
71.	Dr.R.Chinnaiyan	Sirmvit	Kscst Cell
72.	S.Geetha	Reimagine The Next	Online - Webcasting
73.	Dr.R.Chinnaiyan	Data Science And Technologies	Pec - Namakkal
74.	Dr.R.Chinnaiyan	lot	Aicte Atal Fdp @ Gec , Rajkot
75.	S.Geetha	Fdp,Uhv -I -Aicte ,5 Days Program	Aicte ,5 Days Program
76.	Ashwini Doke	Fdp,Uhv -I -Aicte ,5 Days Program	Aicte ,5 Days Program
77.	Bineet Kumar Jha	Aicte Sponsored - Six-Days Online Short Term Training Programme	Cmrit, Bengaluru
78.	Priyadharshini A	Atal Academy	Online
79.	Bineet Kumar Jha	One Week Teqip-3 Sponsored Faculty Development Program	Regional College For Education Research & Technology, Jaipur [Online]
80.	Dr. Shreekanth M Prabhu	Fdp On Indian Knowledge Systems	Sri Sri University (Virtual)
81.	Dr.M Shahina Parveen	Atal Academy	Shiv Nadar University.

82.	Bineet Kumar Jha	Aicte Sponsored - Six-Days Online Short Term Training Programme	Cmrit, Bengaluru
83.	Priyadharshini A	Atal Academy	Online
84.	Bineet Kumar Jha	Regional College For Education Research & Technology, Jaipur [Online]	One Week Teqip-3 Sponsored Faculty Development Program
85.	Dr. Shreekanth M Prabhu	Sri Sri University (Virtual)	Fdp On Indian Knowledge Systems
86.	Dr.M Shahina Parveen	Shiv Nadar University.	Atal Academy
87.	Dr. M .Shahina Parveen	Dat Science	Aicte-Atal(Cochin University Of Science And Technology.)
88.	Priyadharshini A	Cyber Security	Aicte-Atal(Thangal Kunju Musaliar College Of Engineering)
89.	Priyadharshini A	Nurture Your Ideas Through Incubation	Cmrit
90.	Bineet Kumar Jha	Computational Thinking In India	Indian Institute Of Technology, Roorkee (IIT, Roorkee)
91.	Shilpa Pande	Crop Weather Modelling: Tools For Climate Smart Agriculture	Mahatma Phule Krishi Vidyapeeth Rahuri, Maharashtra
92.	Dr. M .Shahina Parveen	Ar/Vr	Aicte-Atal(Hindustan University Of Science And Technology.)
93.	Dr. M .Shahina Parveen	Dat Science	Aicte-Atal(Cochin University Of Science And Technology.)

STUDENT ACHIEVEMENTS

SL NO.	STUDENT NAME	EVENTS
1.	Habiba Ahmed	Python Quiz Series-1
2.	Habiba Ahmed	Python Quiz Series-2
3.	Habiba Ahmed	National Level online Technical Quiz on "Fundamentals of Electrical Engineering"
4.	Shrish Saxena	Java(Basic)
5.	KUNAL KISHORE	Got..that..Job with CMR Institute of Technology
6.	Rohan Raj	Data Science & Machine Learning Complete Course
7.	Rohan Raj	Machine Learning

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
10.	Rohan Raj 1CR18IS120	ApttIOTonic
11.	JIGYASA & 1CR18IS069	Phi Quiz
12.	Kunal Kishore & 1CR18IS080	Photoshop event pixels
13.	Varsha K & 1CR18IS071	ApttIOTonic
14.	JIGYASA & 1CR18IS069	Machine Learning
15.	JIGYASA & 1CR18IS069	Data Science
16.	Charukshini S 1CR18IS038	internship
17.	Dhanish Thacker 1CR18IS046	Pattern Enigma
18.	Durgesh Kumar 1CR18IS049	Spot the bug
19.	Rohan Raj 1CR18IS120	Semicolon; Hackathon 4.0

RESULTS - EVEN SEMESTER

SEMESTER	RESULT PERCENTAGE
4 TH	100
6 TH	100
8 TH	100

ACADEMIC TOPPERS

Chaithanya M
1CR16IS026
8 TH SEMESTER



KAVYA M SHANBHOG
1CR17IS046
6 TH SEMESTER



MYLAVARAPU SAI
GANESH
1CR18IS094
4 TH SEMESTER



PLACEMENTS

COMPANY IN WHICH PLACED	STUDENT COUNT	PACKAGE
Deloitte	3	7.6LPA
SAP	1	7LPA
Ellucian	2	5.78LPA
Capgemini	10	3.8 LPA
PWC	2	6LPA
KOCH Technology Center	5	6LPA
Epsilon	1	6LPA
Practo Technologies	1	8.4 LPA
Bridge Solutions Groups	2	5.5 LPA
Infosys	4	3.6lac
Mindtree	1	2.97lac
Cognizant	5	4.02lac
Tcs Ninja	6	3.96LPA

Article

TECHNICAL ARTICLES BY FACULTY & STUDENT

An IoT device for Intellectually Disabled Women for detecting Overflow Identification Cycles

Dr. S.Geetha

Head of Center of Excellence, Data-Driven IoT,

Associate Professor,

Department of ISE,

CMR Institute of Technology

Ladies and individuals with cycles can confront obstructions to satisfactory medical care and having an incapacity can include another layer of difficulty. The Managing period can be trying for certain individuals with restricted mind work. Each month women struggle with the mensuration periods. As an alternate solution, we can find a few products like tablets, napkins, and tampon and mensuration cups. The remedy can be provided for Intellectually Disabled Women with IoT. Intellectually Disabled Women are not in the position to express the periods and overflow. A monthly problem of normal women can be addressed by mensuration cups. But the overflow notification about the mensuration cups from the intellectually disabled women is not possible for the care takers. This invention helps to generate an overflow identification signal through electronic chip attached with the mensuration cups and a notification message can be provided for care takers. This invention is completely connected with cloud using IoT components and it helps the woman or care takers to get her a health chart as a message notification. Intellectually disabled people and/or their parent(s) or guardian(s) may consider this novel approach as a solution for their period's problem.

Internet of Things (IoT)

Harshitha N

1CR17IS039



The Internet of things (IoT) refers to the billions of physical devices around the world that are now connected to the Internet. Imagine being able to switch on or off a light bulb using a smartphone app or tracking our health with a smart-watch! So many devices around us are models of IoT, such as phones, laptops, refrigerators, cars, and the list goes on. Aren't we living in a smart world since the evolution of IoT? It has indeed made our lives effortless, allowing us to operate everything at our fingertips. It is a revolutionary approach for future technology as it provides innovative solutions to challenges and issues related to various business, government, and public/private industries across the world.

The question arises how does IoT work? It has sensors and actuators that collect data from the surroundings and communicate it via networks or cloud-based platforms connected to the IoT. Next, the data is analyzed to get meaningful insights and patterns; then, a decision is made. This decision is then conveyed to our device. However, IoT development is in trouble with various security concerns regarding privacy, hardware issues, side-channel attacks, and insecure software. These should be addressed by including built-in security features and studying possible threats before building IoT apps.

Another unique technology is IOTA, "the backbone of IoT" is an open-source distributed ledger designed to support frictionless data and value transfer between humans and machines. It has no blocks, no miners hence enabling low resource requirements. It also allows overcoming the cost and scalability limitations of blockchain. The tangle is IOTA's network; it ensures that the information is trustworthy and cannot be tampered with or destroyed. Overall, IOTA is posed to play a central role in the next industrial revolution.

The Centre of excellence organization by ISE is top-notch self-sustained research to solve societal problems in the field of IoT and Data Science. The projects undertaken by our faculty are; Development of Automated Table Cleaner for college canteen, Design of Smart water resource management, Development of Monitoring System and Development of Low-cost device for toxic air detection in manhole, water sumps, and mining, which was approved nationally and was funded by the Texas instruments.



IoT offers an unprecedented degree of control and efficiency that no industry can ignore. It is a lucrative field with lots of potential for careers.

NONTECHNICAL ARTICLES BY STUDENTS

Bharatnatyam

M Jagapreetha

ICRI17IS051



India is a land of Tradition and Culture. We can see a lot of left backs of our ancestors that makes us feel proud of our country. One such great symbol of our culture is the classical dances of India. India has 8 major cultural dances. One among them is Bharatnatyam. Bharatnatyam originated from Tamil Nadu and we can see many sculptures in the temples that have Bharatnatyam Postures. Bharatnatyam in simple can be called the “Dance of Fire”. The cultural dances of India are considered the dances of the 5 major elements of life (Odissi – Water, Kuchipidi – Earth, Kathakali – Sky, Mohiniyatam – Air, Bharatnatyam – Fire). We can see the dance resembling a dancing flame when we watch it closely. Bharatnatyam is generally performed in solo. But nowadays, it is performed by two or more people. Bharatnatyam is practiced both men and women. Contemporarily, the dance was practiced more by women. The dance involves split character that is beautifully depicted by the dancer. To make it easier to understand, Bharatnatyam is divided into 3 categories:

- ✓ Nirutham
- ✓ Niruthiyam
- ✓ Natyam

The costume for Bharatnatyam has been changing from time to time. The jewels used for Bharatnatyam are very famously called Temple jewelry. An important thing all Bharatnatyam dancers wear is anklets. The anklet is made of rope or leather with lot of bells on it. A perfect dancer knows how to dance and coordinate the sounds of the bells too. The talent of a Bharatnatyam dancer is judged by the number of ringing he or she can make with the use of bells. Bharatnatyam is accompanied generally using Carnatic Music and the languages used for singing are generally Tamil, Telugu, Kannada and Sanskrit. Musical Instruments like Flute, Mirudhangam, Violin, Veena and Nagaswaram are used in the ensemble.

CHANGE THE WORLD BY CHANGING OURSELVES

Guru Prasad R,
7th Semester ISE



Change is a process through which something becomes different than usual. We look for change in anything and everything and this is by nature, which is encapsulated in human. “Getting good results may not necessarily be the only cause of a change, but change can be a cause for getting good result.” We can see the change only when we feel the change. But ‘change’ make sense only when we feel that. We feel the change only when we adopt it. There is no need to wait for a change, because there is no one to bring the change except you. It’s you who will be the change of yourself and hence the change you see. I believe that our nation’s father - Mahatma Gandhi had understood this and believed strongly in this and hence he said, “Be the change you want to see”. Change is independent of everything but not oneself. If one is not able to see their vision of change in themselves, then expecting to see that in someone will end up being a dream. It’s fruitless to look for something that change the people around you, instead you make yourself a change to see that in people around you. Change in you would slowly be the change in people around you whom you inspire. That change will slowly populate and will one day reach everyone. So, believe that a change in you can slowly changes the world someday but trying to change the world alone will never happen. We must feel the change to see it, so if you are feeling it then be assured that someday people around you will also show the change that you wanted to see. Having said that, “dream the change, adopt the change, continue the change, you will see the change”. If everyone feels and see the change, then that is a clear indication of change in the community which slowly will be the change in our world.