



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN & MANUFACTURING KURNOOL

(An Institute of National Importance under MHRD Govt. of India)



FROM THE

HILLTOP

A Biannual Newsletter of IIITDM Kurnool

EDITORIAL

We proudly present to you another issue of the IIITDM Newsletter, **From the HILLTOP**. These last months have been very eventful for IIITDM Kurnool as our institute conducted innumerable activities with great success.

Plethora of activities – MoU with Code Tantra, IoT Challenge 2k19, Pongal/Bihu/Lohri Celebration, Republic Day, Republic Run 2k19, SOLASTA 2k19, Women's Day, Faculty Development Program on Outcome Based Education and many more took place with immense gusto.

This edition also contains consecration words of our first BOG Chairman Prof. H.A. Ranganath and the first Director Prof. DVNL Somayajulu. We hope that you will find this issue of Raconteur interesting and informative.



Dr. B. Satya Sekhar



Dr. Akhtar Khan

NEWS AT A GLANCE

Contents

BOG Chairman	3
First visit of BOG Chairman	4
Visit of Project Monitoring Unit (PMU)	4
Director's message	5
MoU with Code Tantra	6
Faculty development program at IIITDM	7
News & Events	8
• IoT Challenge 2K19	8
• Bhogi/Pongal/Lohri/Bihu/Vishu Celebration	8
• Guest Lecture on "Robotics & its Future"	9
• Republic Day Celebration	9
• Sanskruthi 2K19	9
• Republic Run 2K19	9
• SOLASTA 2K19	10
• Blood Donation Camp	11
• Women's Day Celebration	11
• Tree Plantation	11
• World NO Tobacco Day	12
• Senate Meeting	12
• International Yoga Day	12
New Faculty Members	13
Achievements	14
• Student Junction	14
• Research @IIITDM Kurnool	15



Prof. H. A. Ranganath, BOG Chairman

M.Sc., Ph.D., FASc., FNASC., FNA., FISEB.,
Visiting Professor, Indian Institute of Science, Bangalore,
Distinguished Professor (for life) of University of Mysore,
(Former Vice Chancellor, Bangalore University;
Former Director, National Assessment & Accreditation
Council -NAAC)

BOG CHAIRMAN

Hassan Annegowda Ranganath was born on 16th June 1948, Karnataka. He obtained his Ph.D. in 1975 from University of Mysore and he has post-doctoral experience in the laboratories of Germany and United Kingdom. Prof. Ranganath has served the University of Mysore for over three decades (1975 -2008) in different capacities. Since the early 1970s, Ranganath has made original contributions in the area of Genetics and Evolution and has published extensively in reputed journals. Research projects of Prof. Ranganath are funded by INSA, UGC, DBT, DST, DFG (Germany) and other funding agencies.

Prof. Ranganath was instrumental in establishing two national research facilities at University of Mysore namely "Drosophila Stock Center" and "Unit on Evolution and Genetics" funded by DBT (Govt of India) and DST (Govt. India) respectively.

After serving as Vice-Chancellor, Bangalore University (2006 -2008), Prof. H.A. Ranganath was the Director, National Assessment and Accreditation Council (NAAC) (2008-2013), an autonomous institution of UGC. Now he is recognized as the Distinguished Professor for Life of University of Mysore. At present, he is a Visiting Professor at Indian Institute of Science, Bangalore. Also, Prof. Ranganath is the Editor-in-Chief of one of the oldest and the prestigious journal, The Journal of Genetics, published by the Indian Academy of Sciences. Prof. Ranganath is the Vice President of the Indian Society of Evolutionary Biologists.

He is (was) on many committees of Government of India such as - UGC, MHRD, Planning Commission, DST, DBT, AICTE, NBA, QCI/NABET, CSR&TI; Science Academies of the country such as INSA, IASc, NASI;, Statutory Bodies of Central Universities, etc. and also in the committees of the Government of Karnataka.

FIRST VISIT OF BOG CHAIRMAN

Prof. H A Ranganath, Honorable Chairman, Board of Governors (BOG) of IIITDM Kurnool visited IIITDM Kurnool during March 25-26, 2019. This was his first visit to IIITDM Kurnool after he took over as the chairman of our Institute. He had a very interactive and courteous interaction with the faculty members of the institute and left a positive aura amongst them. He had also interacted with students and visited construction sites of hostel buildings and imparted himself on the progress and activities happening there. IIITDM Kurnool wishes to see a very prosperous future ahead under his Chairmanship.

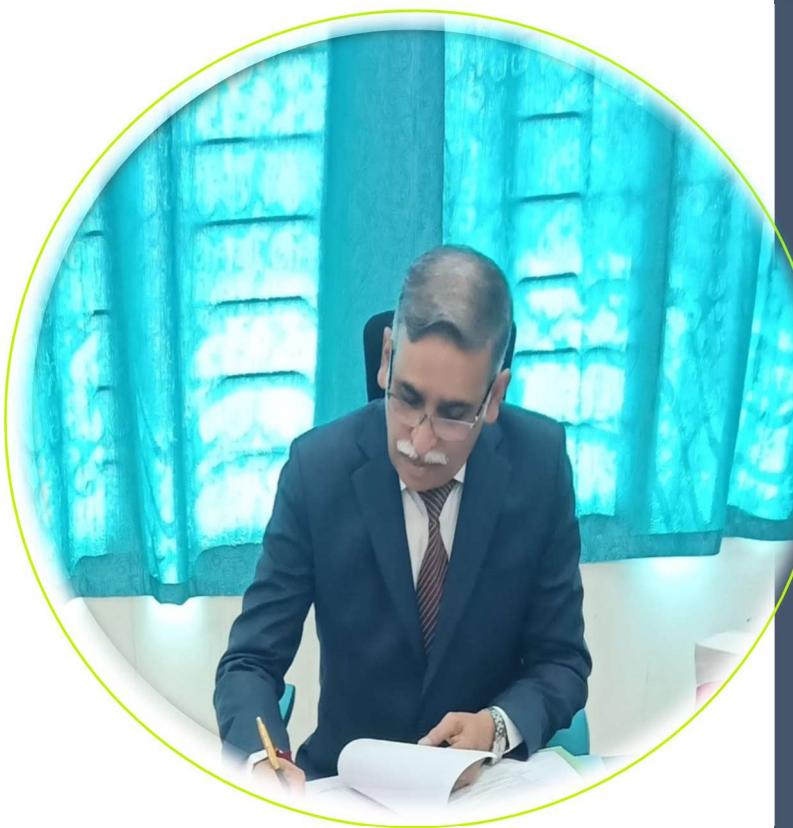
VISIT OF PROJECT MONITORING UNIT (PMU)

With a view to avoid time and cost overruns in executing the infrastructure projects in IITs/IITs/IIMs/NITs/IISERs/Central Universities/SPAs and such other premier institutions funded by the Ministry, by systematic monitoring of the quality and speed of execution, a Project Monitoring Unit (PMU) has been constituted consisting of experts in the field of construction with wide experience in handling large projects initially for a period of one year with effect from 1st December 2017.

Two members of the Project Monitoring Unit visited IIITDM Kurnool during March 25-26, 2019.

Shri. B. Majumdar, Former Director General, CPWD and **Shri A.K. Jain**, Former Special DG, CPWD visited our campus to suggest various measures for improving the overall system consisting of guidelines, specifications, standards, and processes.





DIRECTOR

Prof. DVLN Somayajulu received his Ph.D from Department of Computer Science & Engineering, **Indian Institute of Technology, Delhi** in 2002 and M. Tech. from **Indian Institute of Technology, Kharagpur** in 1987.

He is having around 30 (thirty) years of experience in the profession of Teaching, Research, Consultancy and Outreach activities at National Institute of Technology, Warangal. Currently, he took charge as **Director, Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kurnool on 28.02.2019**. Prior to joining this position, he served as **Chair for MeitY Sponsored Project Electronics & ICT Academy** and Professor of Computer Science and Engineering at NIT Warangal. Under his leadership, the academy has conducted **225 FDPs/Workshops**, signed **30 MoUs** with institutions/industries and organised one **BOSSMOOL** training in association with IITM.

DIRECTOR'S MESSAGE

Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kurnool is youngest among five centrally funded IIITs and established as part of Andhra Pradesh Reorganization act in the academic year 2015-16 at the historical city of Kurnool in Rayalaseema region. Our institute is also recognized as an Institution of National Importance by an act of Parliament. Presently, the institute is having a permanent campus at Jagannathagattu, Dinnedevrapadu, Kurnool. The institute has started initially B. Tech. programs in Computer Engineering, Electronics and Communication Engineering and Mechanical Engineering with a total annual intake of 120 students.

I am sure that our students and faculty will carry the flagship of IIITDM Kurnool to greater heights by applying their knowledge in an inter-disciplinary manner to provide solutions for various industrial, and research and development projects and will stand as responsible and dedicated technocrats in the nation building.

I congratulate the entire team of "**From the HillTop**" for their palpable efforts in presenting the second issue of the institute biannual newsletter. The newsletter highlights the major academic session, research work, extra-curricular activities and collaborations at the institute.

I would welcome your comments and suggestions in making this more interactive.

Warm regards

Prof. DVLN Somayajulu

Director, IIITDM Kurnool



MOU WITH CODE TANTRA

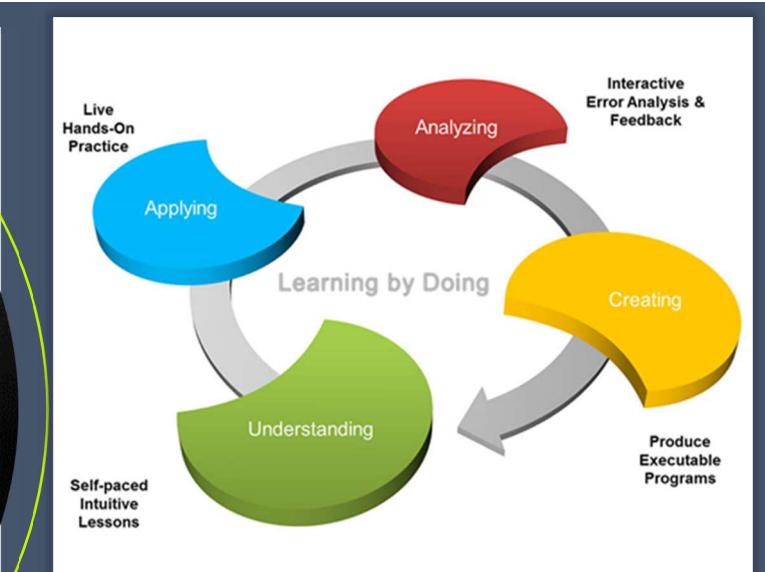
IITDM Kurnool has signed MoU with Code Tantra on 11.03.2019.

Code Tantra is an interactive learning software solution which enable engineering students across the globe to learn and master the latest IT technologies.

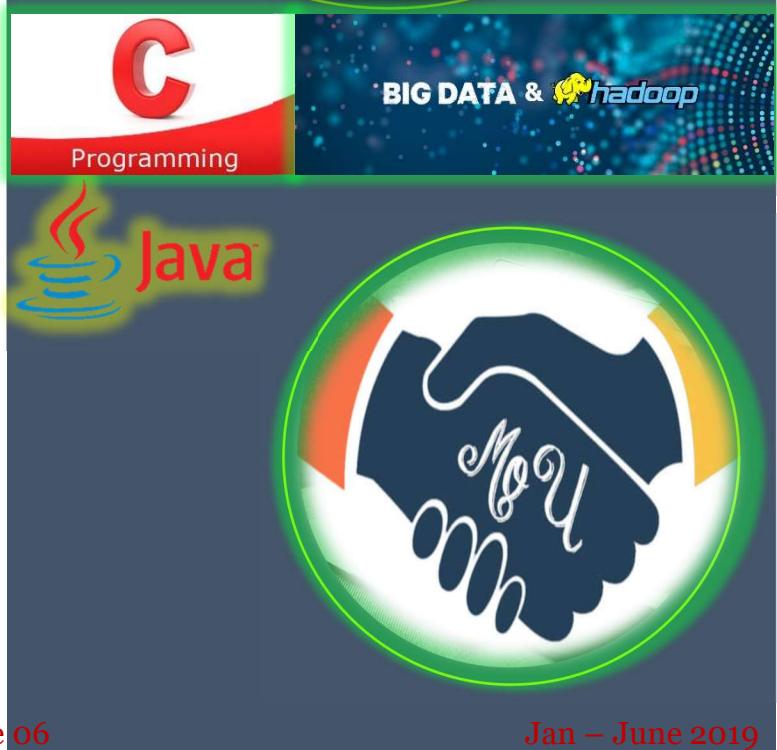
The purpose of this agreement is to promote cooperation in learning emerging IT tools between the two aforesaid bodies.

Dr. Renjith P of the Computer Science & Engineering department will serve as the primary liaison between the two firms to facilitate the development of future activities.

This agreement is active from the date of signature (11.03.2019) by both parties. It shall remain valid for a period of one (1) year.



“Measuring programming progress by lines of code is like measuring aircraft building progress by weight.” – Bill Gates



FACULTY DEVELOPMENT PROGRAMME ON “OUTCOME BASED EDUCATION”



One week first Faculty Development Programme on “**Outcome Based Education**” was organized by IIITDM Kurnool in association with E & ICT Academy, NIT Warangal from May 6 -11, 2019.

All the sessions were handled by eminent speakers Prof. DVLN Somayajulu (Director, IIITDM Kurnool), Prof. SDK Mandal (CET, IITKGP), Prof. IAK. Reddy (TLC, NIT Warangal), Prof. A. Venu Gopal (NIT Warangal), Prof. K Srinivas (Head ICT, NIEPA). The FDP programme received an overwhelming response with 65 participants from various engineering and degree colleges in Andhra Pradesh. Prof. N. Ramana Rao, Director of NIT Warangal was the chief guest for the Valedictory function. Prof. DVLN Somayajulu, Director of IIITDM Kurnool welcomed and felicitated the Chief Guest and Guest speakers. The following topics are covered during this FDP.

Major Course Contents Covered:

- Class handling
- Teaching/Learning Tools
- Outcome Based Education
- Pedagogy Tool Demo
- Creating Learner centric environment
- Assessment Tools
- Active Learning Methods
- Essence of effective teaching
- OBE/NBA Guidelines
- Learning Taxonomies
- Digital Technologies
- Moodle/MOOCs

News & Events



IoT Challenge 2k19

IIITDM, Kurnool has organized Zonal Round Workshop & Competition of IoT Challenge 2019 during January 5-6, 2019 in collaboration with Indian Institute of Technology, Bombay and i3indya Technologies.

The following groups of students have been selected to participate for the Final Round of IoT Challenge 2019 at IIT Bombay.

Group 1: Prediction of dam overflow using IoT

- 1) Lasya Ganapathi (EDM - 2nd Year)
- 2) Kolahal Akhila (EDM - 2nd Year)
- 3) Mukesh Chander (MDM - 2nd Year)
- 4) Aakash Singh (EDM - 2nd Year)

Group 2: EasyGo

- 1) Harshit Prajapati (MDM - 1st Year)
- 2) Akash Murali B. (EDM - 1st Year)
- 3) Nikhil Anandam Gajangi (EDM - 1st Year)
- 4) Ayush Saxena (COE - 1st Year)

Group 3: Advanced monitoring system to save energy and water

- 1) Harsha Martha (EDM - 3rd Year)
- 2) P. Adithya (EDM - 3rd Year)
- 3) G. Deepika (EDM - 3rd Year)
- 4) B. Surya Teja (EDM - 2nd Year)
- 5) V. Sai Nath (EDM - 2nd Year)

Bhogi/Pongal/Lohri/Bihu/Vishu Celebrations

Pongal festival in India coincides with other designated state festivals such as 'Bhogali Bihu' in Assam, Lohri in Punjab, 'Bhogi' in Andhra Pradesh and 'Makar Sankranti' all over the country. The Pongal festivities in India are spread over four days of worship, starting from January 14 till January 17. The first day is called 'Bhogi' and the day is spent burning or discarding old and useless items of clothing as well as household items.

Following the above culture, the students of IIITDM Kurnool celebrated the festival with great enthusiasm in their hostel premises. Pongal celebrated togetherness and acknowledges community effort in farming.





Guest Lecture on “Robotics & its Future”

According to new research, almost two thirds (60%) of British people believe there will be a robot in every home within the next 50 years and only a quarter of them can't imagine a life where a robot wouldn't be part of their family. Dean of Faculty Affairs, IIITDM Kancheepuram, **Dr. Sreekumar (Associate Professor, Department of Mechanical Engineering)** delivered a Guest lecture on "Robotics and its future"

The 69th Republic Day Celebration

The 69th Republic Day of India was celebrated by the Indian Institute of Information Technology Design & Manufacturing, Kurnool, in high spirits. The national flag was hoisted at 8 am in the institute by one of the faculty members, and gave a moving address to all those present. He urged students to be committed and disciplined and always bear in mind our efforts will contribute to the nation's progress.

The celebrations for the day continued at the IIITDM Kurnool with a tree plantation drive by staff and students.



Sanskrithi 2k19

“Diversity makes the world more beautiful...!”

Going traditional.... Students of IIITDM Kurnool celebrated Ethnic Day in full pomp and splendor.

In the era of modernization and westernization when most of the people are moving away from their own culture and history, events like Ethnic day enable the young generation to revive love and respect for their own culture and history.

Republic Run 2k19



"Hum fit, to India fit"

The first edition of the IIITDM "Republic Run" was held on January 27 2019. A 5000 meters short distance running race, the first step towards healthy and balanced lifestyle. The starting point of the race was Vinayak Ghat and the end point was G. Pulla Reddy Engineering College.



SOLASTA 2K19

SOLASTA 2K19 is the annual Techno-cultural fest of IIITDM Kurnool organized by the student community during 8-10 March 2019.

The theme of SOLASTA 2K19 was *Wanderlust*.

SOLASTA is an inter-college Techno-cultural fest, aimed to bring out the creativity as well as technical skills of the participants in the various technical and non-technical events. IIITDM Kurnool strives to spread the message of art amongst the youth and doing everything to ensure the glorious future for art.



WOMEN'S DAY



On 8th March 2019, IIITDM Kurnool celebrated International Women's Day holding an event at the institute Seminar Hall. The event was organized by Cultural Team with great enthusiasm and effort.

BLOOD DONATION CAMP



The *Social Service Group (SSG)* of "IIITDM Kurnool" organized a blood donation camp in association with **Indian Red Cross Society** on 19th of March, 2019 (Tuesday).

The healthy participation by students, staff, and faculty in the event is highly appreciated. During the camp, the total 53 donors reported for blood donation and 53 units of blood was collected.

TREE PLANTATION BY VISITORS





WORLD NO TOBACCO DAY



On 31st May, 2019, IIITDM Kurnool organized a session to make aware the faculty members and other non-teaching staffs about harmful effects of tobacco use along with a Pledge ceremony led by honorable director Prof **DVLN Somayajulu**. He highlighted the current year theme of World No Tobacco Day 2019 “**Tobacco and Lung Health**” to increase the awareness on the negative impact that tobacco on people’s lung health, from cancer to chronic respiratory disease. During his speech, he discouraged the use of tobacco in any form inside the institute premises.

SENATE MEETING

First Senate meeting of the IIITDM Kurnool was held at **CDAC Hyderabad** on 13th June 2019.



INTERNATIONAL YOGA DAY

Fifth International Yoga Day was celebrated with lots of enthusiasm on June 21, 2019 at IIITDM Kurnool. Besides group yoga there were several other programs including health talk and meditation.



ACHIEVEMENTS

Student Junction

Academic year 2018-19 was a fruitful year for IIITDM Kurnool in which various companies approached us in their hunt for fresh talent for their organizations. The placement cell aimed at making available quality placement opportunities for the students of the institute. It acts as an interface between the students of the institute and various companies that come for recruitment. The placement cell maintains a constant contact with its students through its Blog, Facebook page and also sends the students regular mails notifying them about the companies that would be visiting thereby encouraging them to apply for the recruitment procedure.

A number of companies visited the campus for placements that started in the month of August with the arrival of **Virtusa**. Following suit were big organization names such as Wipro, IBM, L & T, PayPal, Cyber Security, PPO ENTRAYN, GAVS Tech, Shriram Value, NAVIS, Viasat, WABCO, KRISAM among others.

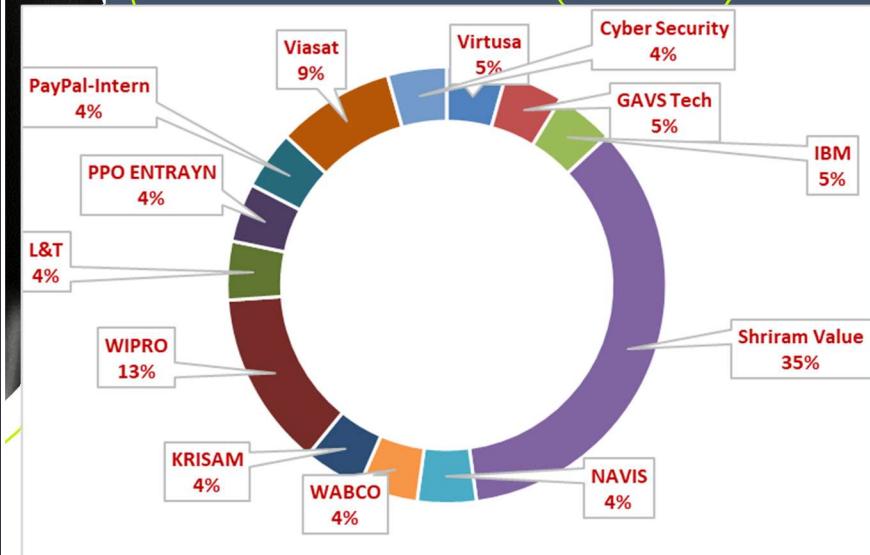
Several companies visited our institute for placements during the afore-mentioned academic session. Companies offering **regular jobs** as well as paid and unpaid **internships** were in bountiful this year. Students have been placed through on-campus and off-campus interviews across various departments with an annual CTC ranging from Rs. 3.5 to 10.5 lakhs.

A Fourth year student **Mr. Ashwin Bhatt** of Computer Science & Engineering Department has been selected for the **Google Summer of Code Internship**. Ashwin Bhatt is among 1,276 students selected for this course from over the world. Google would train them in web development for three months and pay each **student USD 3,000 per month**, which is about **Rs. 2.1 Lakh per month**.



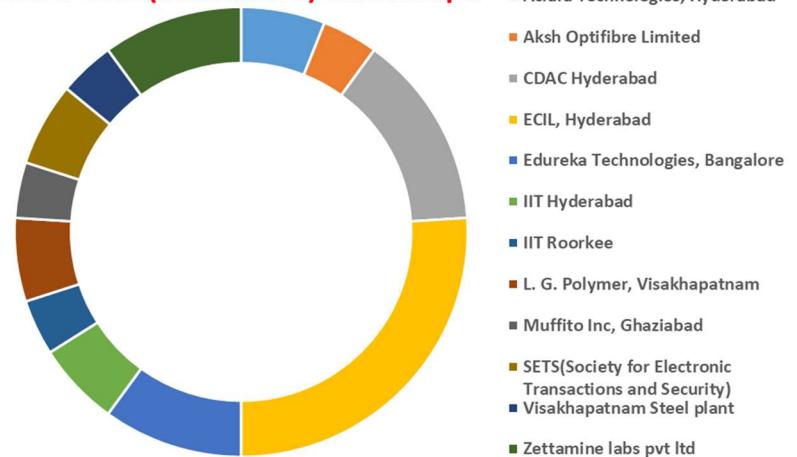
Ashutosh Hathidara (Team Leader), Nischay Pandey, Amit Sharma, Vibhor Srivastava, Prasoon Mishra, Milton Kumar participated in Smart India Hackathone Grand Finale, 2019 at IIT Roorkee.

PLACEMENTS FIRST BATCH (2015-2019)



Academic Year	No. of Companies	No. of Students Registered for placement	No. of Students Placed in Companies	%
2018-19	13	36	26	72.22%
Highest Package offered (In LPA): 10.5				
Average Package offered (In LPA): 4.77				

Third Year (2016 Batch) Internships



Academic Year	No. of Companies/ Institutes	No. of Students Registered for Internship	No. of Students Placed in Companies	%
2018-19	31	69	69	100%

Conferences/Workshops

1. **Mohamed Asan Basiri M**, "Flexible Adaptive FIR Filter Designs Using LMS Algorithm", 23rd International Symposium on VLSI Design and Test (**VDAT**), Communications in Computer and Information Science, Springer, July 4-6, 2019, IIT Indore, Indore.
2. **Mohamed Asan Basiri M**, "Asynchronous Hardware Design for Floating Point Multiply-Accumulate Circuit", 23rd International Symposium on VLSI Design and Test (**VDAT**), Communications in Computer and Information Science, Springer, July 4-6, 2019, IIT Indore, Indore.
3. **Mohamed Asan Basiri M** and Sandeep K. Shukla, "Formal Hardware Verification of InfoSec Primitives", **IEEE Computer Society Annual Symposium on VLSI**, July 2019, Miami, Florida, USA.
4. Mishra R., Barnwal S.K., Malviya S., **Mishra Prasoon**, Tiwary U.S., "Prosodic Feature Selection of Personality Traits for Job Interview Performance". International Conference on Intelligent Systems Design and Applications, Advances in Intelligent Systems and Computing, pp. 673-682, 2018.
5. **R.Srilakshmi**, M.Vedanth Rao, "Finite element analysis of bonded patch repair of a panel with multiple cracks"**ERACAM-2019**, July 25 – 26, 2019, NMIT, Bangalore.
6. A.Sai Kaushik, R.Sanjay kumar and **R. Srilakshmi**, "Fracture analysis of Gear drive using FEA", **ICMPT 2019**, July 11-13, 2019, IIT Madras, Chennai.

Journals

1. K Kaur, **D Murali**, BRK Nanda, Stretchable and Dynamically Stable Promising Two-Dimensional Thermoelectric Materials: ScP and ScAs, **J. Mater. Chem. A**, 7 12604 (2019).
2. **B. Satya Sekhar** and H. Niyas, "Design of a Hydrogen Compressor for Hydrogen Fueling Stations". **Int. J. Hydrogen Energy** 2019 (In Press).

Book Chapters

1. **Akhtar Khan**, Kalipada Maity and Durwesh Jhodkar, "An Integrated Fuzzy-MOORA Method for the Selection of Optimal Parametric Combination in Turing of CP-Ti Grade 2", **Optimization of Manufacturing Processes**, Springer International Publishing, Cham-Switzerland in early 2020. (In Press).

Awards

1. **Dr. B. Satya Sekhar** received Department of Science and Technology Travel grant award (Rs. 1,09,815.00) for attending 16th International Symposium on Metal-Hydrogen Systems held in Guangzhou, China, 2018.



IIITDM KURNOOL

NEWSLETTER

Vol. 1, Issue No. 2, January-June 2019



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