

# BEACON

## JNNCE NEWSLETTER

April 2022 - August 2023

Issue - 10



## J N N College of Engineering

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B' & NBA for a period 1.07.2022 to 30.06.2025, Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi)

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## **Message from President - NES**



It is with a sense of great pride that I like to write a message for JNNCE-Newsletter, Beacon. Being associated with the education institutions of our NES, it is always a great feeling and my heart fills with immense pleasure as I observe the institution is growing from strength to strength.

We, as the management, take utmost care to provide the required expedencies to all our stakeholders. The teachers play an important role in the progress of a college and in developing the personality of its students. JNNCE is an institution known for its academic excellence along with the co-curricular & extracurricular activities and this can be done only by the efforts of the faculty and staff.

We all know, our students are the nation builders and are the agents of change. Thus, we have a huge responsibility and accountability in not only crafting the future of the students, but also creating the future of our nation.

It's my pleasure and privilege to express a deep sense of joy and appreciation for the accomplishments contributed by the faculty and staff under the able leadership of their Principal, Dr K Nagendra Prasad. I enjoy the company of my beloved students and talented teachers who keep me enthralled during each of the visits of mine. I wish wholeheartedly, through this newsletter, the distinguished team of faculty, staff and students to carefully nurture every student and take the institution to greater heights.

**Sri G. S. Narayana Rao**



## Message from Secretary - NES



At the outset, let me commend and congratulate all the JNNCEians who have joined hands in making JNNCE a much sought-after institute for quality technical education in Karnataka through their sheer hard work and enthusiasm.

Any Academic activity for that matter, must be continuously geared up and monitored to cope-up with emerging trends of technological development and innovations. With this spirit and tempo being maintained, I am sure the College is going to occupy noticeable place among the technical intuitions of India. I am confident that through decentralization of the college activities into the departmental level, the students will get exposure to academic and professional fields which will leave a mark of their services, wherever they go, by exhibiting their sound professional knowledge, unimpeachable character, sense of discipline and commitment.

British Prime Minister Tony Blair, when being asked about his three priorities of the government, said, "Education, Education and Education." This statement reveals a statesman's worry for the present and the future. It is aphoristic rather than figurative. He knows very well how important a role education plays in building an individual as well as a nation.

NES-Management, Parents, Students and the Teaching Fraternity of all our institutions are a Team and complement each other's efforts in enhancing the quality of education. We understand that Education is not just a process of giving knowledge for a high profiled job but a lifelong process which creates an understanding of moral and ethical values to guide and make our students morally upright citizens of the country.

Congratulations to the editorial team for carefully compiling and bringing about yet another issue of the Newsletter.

**Sri S. N. Nagaraja**

## Reflections from Principal's Desk



Dear readers,

Building a healthy and sustainable world is possible only with proper education. True education drives away ignorance and through illumination it emboldens a man to a righteous thought and action. It empowers an individual and enlarges the horizon of his mind. It energizes a society and enables a man to earn his living with deference and commendation. JNNCE as an institute envisions the highest level of contribution to the society.

I remember the famous saying by Swami Vivekananda, "We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet."

We are committed to accomplish this vision and we get encouragement, looking at bright and successful academic performances, subsequently, the careers of our thousands of students, which benefit the society in a significant way. We feel proud that we are part of such an excellent institute.

I wish the best of fortune, peace and prosperity to all those who contribute to the noble task of spreading education as well as the recipients its manifest qualities, aims and objectives and pray for all the auspiciousness by quoting a mantra of Rig Veda, आ नो भद्राः क्रतवो यन्तु विश्वतः i.e., "May auspicious thoughts come to us from all over the world."

With love and affection,

**Dr. K. Nagendra Prasad**



## **Message from Dean - Academics**



It gives me immense pleasure in penning a few words on the release of our college news-letter. JNNCE is endowed with progressive futuristic outlook and aims continual growth in the quality of all academic activities with a sense of commitment to fully meet the expectations of the students, parents and society at large.

JNNCE cares for the individual development of each and every student. We accord prime importance to not only to the quality technical education, but also, the behavioural discipline, integrity and cognitive developments of our students. The co-curricular and extra-curricular activities such as Department forums, Technical events, Sports & Cultural activities, NSS etc., offer integrated services for the multi-faceted developments of our students. Our teachers strive to teach not only academic programs but also life skills needed for students' self-development with highly resourceful faculty.

I wholeheartedly congratulate the newsletter editorial team for capturing, compiling and reflecting all the major accomplishments of the institute and all the departments judiciously through this issue of newsletter.

**Dr. P. Manjunatha**

## Members of the Executive Committee – NES 2022 – 2027



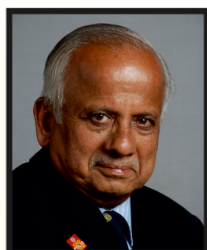
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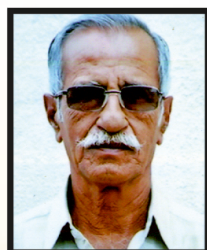
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"The ignited mind is the most powerful resource on earth" said Abdul Kalam, our former President. It gives us an immense pride to retrospect on all our accomplishments. Imbued in the high values of a well-rounded education at JNNCE, we celebrate the achievements of our students, faculty and our beloved institution in this newsletter, a bi-annual endeavour of the college.

This is a record of all our activities between April to September 2022, accolades and memorable moments that add colour and nostalgia to the multifaceted nature of life in the institution.

Beacon represents the ethos and ambience of JNNCE culture. We would like to reiterate that the challenge before us is to maintain and enhance its stature as an Institute which excels in its education and various developmental programs. We are indeed proud that with the excellent contributions of the outstanding faculty and enthusiastic students, we are on solid footing in Karnataka.

**Editorial Committee**



## MAJOR EVENTS



Alumni Meet Cultural event



Cultural event at Alumni meet



Honouring Smt. & Sri. S. N. Nagaraja, Secretary NES on the occasion of Engineers Day – 15/09/2022



Engineers Day Celebration



Felicitation to Alumni



Felicitation to Sri. Sunil 05/09/2022



Felicitation to Sri Govardhan Reddy, Alumnus & Cabinet Minister, Andhra Pradesh



Inauguration of Global Alumni Meet - 21/05/2022





**Felicitaton to Mrs. Mamatha - M. Tech 1<sup>st</sup> Rank in Power Electronics**



**NBA Compliance Visit – 09/07/2022**



**Felicitaton to Ms. Pallavi - 1<sup>st</sup> Rank in BE - Information Science**



**Presentation during NBA Compliance visit on 09/07/2022**



**Felicitaton to Dr. P Narayan, Joint Secretary, NES on 05/09/2022**



**Welcoming Honorable Chief Guest of the Global Alumni Meet  
Sri Kakani Govardhan Reddy**

# CIVIL ENGINEERING DEPARTMENT

## EVENT CONDUCTED:

- ❖ "Hydro-Geological Engineering" National level KSTA sponsored workshop was organized by the department of Civil Engineering from 22/08/2022 to 26/08/2022. The event coordinators were Mrs. Chaya D. Y., Assistant Professor, Ms. Kanchana H. J., Assistant Professor, and Mr. Ganesh Prasanna S., Assistant Professor. It was attended by Engineering faculties and students from various colleges in India.

## INVITED TALKS:

- ❖ Mr. R. Cheluvvaraju, Retired Chief Engineer, Upper Bhadra Project, Government of Karnataka has given an Outreach Program on department forum CONSTRO Valedictory Program on 1/06/2022. The event coordinators were Mr. Bhuvan Kumar V. S., Assistant Professor and Ms. Kanchana H. J., Assistant Professor, Department of Civil Engineering.
- ❖ Dr. H. N. Ramesh, Principal, UVCE, Bangalore has given special talk on "Importance of Geo-technical Investigation for Civil Engineering Constructions and Earthquake Effects" which was organized by Department of Civil Engineering for Civil Engineering students on 25/06/2022.

## PAPER PUBLICATIONS:

- ❖ Mr. Srinivasa Pandith, Assistant Professor, Mr. Rabinandan J, Assistant Professor, Ganesh Prasanna, Assistant Professor, Department of Civil Engineering has published paper in Compliance Engineering Journal Compliance Engineering Journal on "Urban Sprawl Study of Gopala Extension, Shivamogga, using RS, GIS and GPS" ISI43-55 Volume 13-5 on 07/05/2022. DOI:16.10089. CEJ.2022.
- ❖ Mr. Raghuram K Chinnabandar, Assistant Professor, Department of Civil Engineering has published paper in International Journal of Pavement Engineering Taylor and Francis on "Laboratory Evaluation of use of Areca fibers in SMA mixes" ISSN 2400-2410, 2400-241 Volume 23-9 on 26/05/2022. <https://doi.org/10.10>.

## FDP / WORKSHOP / STTP ATTENDED BY FACULTY:

- ❖ Mr. Anand B., Assistant Professor, Department of Civil Engineering has successfully completed INSDAG sponsored workshop on "Design & Construction of Steel Structure" at Vivekananda Institute of Technology, Bengaluru from 06/06/2022 to 10/06/2022.
- ❖ Mr. Arun V., Assistant Professor, Department of Civil Engineering has successfully completed DPPIIT sponsored one week FDP on "Intellectual Property Rights" at JSS Academy of Technical Education, Bangalore from 12/09/2022 to 16/09/2022.
- ❖ Mr. Shashikumar M. Hiremat, Assistant Professor, Ms. Chaya D. Y., Assistant Professor and Mr. Neeraj S. N., Assistant Professor, Department of Civil Engineering has successfully completed KSTA sponsored one week FDP on "Geospatial Analytics" at JSS Academy of Technical Education, Bangalore from 26/09/2022 to 30/09/2022.





**KSTA sponsored workshop on "Hydro-Geological Engineering" from 22/08/2022 to 26/08/2022.**



**Outreach Program by Mr. R. Cheluvaraju, Retired Chief Engineer, Upper Bhadra Project on CONSTRO Valedictory on 01/06/2022.**



**Special talk on "Importance of Geo-technical Investigation from Dr. H. N. Ramesh, Principal, UVCE, Bangalore on 25/06/2022.**

# MECHANICAL ENGINEERING DEPARTMENT

## EVENT CONDUCTED:

- ❖ Under the aegis of MEA, the department organized "Model Mania" competition for students coordinated by Mr. Jayavardhana Acharya N., Asst. Prof. and Mr. Deepankar V. K., Asst. Prof. on 08/06/2022.
- ❖ The department, under the banner of MEA, organized "MEA Debate" competition for students coordinated by Deepankar V. K., Asst. Prof and Jayavardhana Acharya N., Asst. Prof. on 08/06/2022.
- ❖ The department, under the banner of MEA, organized "Technical Paper Presentation" competition for students coordinated by Mr. Jayavardhana Acharya N., Asst. Prof. and Mr. Chetan C. G., Asst. Prof. on 08/06/2022.
- ❖ MEA and the department organized "Transient Mech General QUIZ" competition for students coordinated by Jayavardhana Acharya N., Asst. Prof. and Deepankar V. K., Asst. Prof on 08/06/2022.
- ❖ MEA and the department organized "Model Mania" competition for students coordinated by Jayavardhana Acharya N., Asst. Prof. and Deepankar V. K., Asst. Prof. on 08/06/2022.
- ❖ The department under the aegis of MEA organized valedictory function and farewell function for of final year students MEA. During the function Sri H. C. Mahabaleshwar Rao, Executive Director, M/s. Annapoorneshwari Alloy Casting Pvt. Ltd., Machenahalli, Shimoga was invited as Chief Guest of the event on 16/07/2022 at MBA Auditorium.
- ❖ Dr. Satya Prema, Asst. Prof. coordinated outreach program for 3<sup>rd</sup> semester mechanical student on "Intra Institutional Internship" from 11/10/2022 to 29/10/2022.



Sri H.C Mahabaleshwar Rao being felicitated by the department



Technical paper presentation by students at MEA competition

## FACULTY ACHIEVEMENTS:

- ❖ Dr. Amith Kumar S. J., Assistant Professor published and authored textbook titled "Polymer Based Bio-Nanocomposites: Properties, Durability and Applications" ISBN 978-981-16-8577-4 through Springer, Singapore.
- ❖ Dr. Manjunatha Achary, Assistant Professor published and authored textbook titled "Design of Machine Elements II" ISBN 978-93-5473-957-6 through Gowthami Publications.
- ❖ Dr. Amith Kumar S. J., Assistant Professor received the "Young Researcher" in Research Recognition and Listing by R Square L - Global Academicians & Researchers Network GARnet.



- ❖ Dr. Amith Kumar S. J., Assistant Professor received the status of "Elsevier Reviewer Recognition" in Materials Today- Elsevier Journal.
- ❖ Dr. Ravikumar, Assistant Professor, received best project award in project exhibition from VTU for the guided project "Study Characterization and Performance Analysis of Different Used Cooking Oil with Solvent Blends as Fuel Source in IC Engines" on 12-08-2022.



**Dr. Vijayarangan Being Felicited by the HOD and Principal for Delivering Talk in the Department**



**HOD Felicitating Project Team of Dr. Ravi Kumar B N for Receiving Best Project Award From VTU**

### **INVITED TALKS:**

- ❖ The department organized an expert talk on "Gear Tooth Profile Correction" by Dr. S. Vijayarangan, former Principal PSG College of Technology, Coimbatore on 14/05/2022.
- ❖ The department under the aegis of MEA organized talk from Sri H. C. Mahabaleshwar Rao Executive Director M/s. Annapoorneshwari Alloy Casting Pvt. Ltd., Machenahalli, Shimoga on 16/07/2022 at MBA Auditorium.
- ❖ The department organized a talk on "Career Opportunities for Mechanical Engineers" by Mr. Sarja Satyodaya. Technical Director at Mechelin Supplies and Alumni of JNNCE on 17/11/2022 at Dr. Satish Dhawan Seminar Hall.

### **PAPERS PUBLICATIONS:**

- ❖ Dr. E. Basavaraj, Prof. & Head, and Mr. Mallikarjuna G. published paper titled "Preparation and Mechanical Properties Evaluation of Aluminium-Alumina Metal Matrix Composite" in International Journal of Scientific Research in Science IJSR.
- ❖ Dr. E. Basavaraj, Prof. & Head and Mr. Mallikarjuna G. published paper titled "Preparation and Mechanical Properties Evaluation of Aluminium-Alumina Metal Matrix Composite" in International Conference on Recent Trends in Mechanical Engineering Department of Mechanical Engineering, Government engineering college, K. R. Pet, Mysore.
- ❖ Dr. Sabeel Ahmed, Prof. and Dr. Manjunatha Chary G. H., Asst. Prof. published paper titled "Investigations on Drilling Characterization of Coconut Shell Particle Reinforced Epoxy (CSPE) Composites" in International Research Journal of Engineering and Technology IRJET.
- ❖ Dr. Sabeel Ahmed, Prof., and Dr. Manjunatha Chary G. H., Asst. Prof. published paper titled "Fabrication and Testing of Bio Fiber-Glass Hybrid Composites" in International Research Journal of Engineering and Technology IRJET.



- ❖ Dr. Manjunatha Chary G. H., Asst. Prof. published paper titled "Fabrication and Testing of Bio Fiber-Glass Hybrid Composites" in International Research Journal of Engineering and Technology IRJET.
- ❖ Mr. Pradeep N. B., Asst. Prof. and Dr. M. M. Rajath Hegde, Prof. published paper titled "Synthesis and Characterization of Mechanically Alloyed Nanostructured Ternary Titanium-Based Alloy for Bio-Medical Applications" in Journal of Materials Research and Technology Elsevier.
- ❖ Mr. Pradeep N. B., Asst. Prof. and Dr. M. M. Rajath Hegde, Prof. published scopus indexed International Journal titled "Investigation of Structural and Mechanical Properties of Nano-structured Ti-Mg-Sr Alloy for Biomedical Applications" in Bio interface research in applied chemistry Bio interface research in applied chemistry.
- ❖ Dr. Ravikumar B. N., Asst. Prof. published scopus indexed International Journal titled "Experimental Study of Fire-Resistant Properties of Quartz Powder Filled Areca Phenolic Composites" in Design Engineering (Toronto) Rogers media Publishing.
- ❖ Ms. Somyashree, M.Tech student with Dr. Satya Prema, Asst. Prof. and Srinivasa Murthy M. K., Asst. Prof. published paper titled "Effect of Print Speed and Build Orientation on Tensile Strength of FDM 3D Printed PLA Specimens" in 2<sup>nd</sup> International Conference on Industry 4.0 and Advanced Manufacturing IISC.
- ❖ Mr. Parameshwara S., Asst. Prof. and Mr. N. B. Pradeep, Asst. Prof. published paper titled "Synthesis of Nano-Structured Ternary Ti Based Alloy for Bio-Medical Applications" in Materials Today Science Direct on 04/04/2022.
- ❖ Mr. Parameshwara S., Asst. Prof. and Mr. N. B. Pradeep, Asst. Prof. published paper titled "Vibro-Acoustic Modeling and Analysis of Segmented Aluminum Fuselage of Transport Aircraft with Blankets" in Materials Today Science Direct on 05/04/2022.
- ❖ Mr. Shivanandappa N. D., Asst. Prof. published paper titled "Fail Safe Design of an Aircraft Stiffened Panel by Stress Intensity Factor Determination through Modified Virtual Crack Closure Integral Method" in International Research Journal of Engineering and Technology (IRJET) IRJET on 09/05/2022.
- ❖ Mr. Pradeep N. B., Asst. Prof. and Dr. M. M. Rajath Hegde, Asst. Prof. published a paper titled "Investigation of Microstructure and Mechanical Properties of Microwave Consolidated Ti-Mg-Sr Alloy Prepared by High Energy Ball Milling" SCI indexed International Journal in Powder Technology Elsevier on 13/07/2022.
- ❖ Mr. Parameshwara S., Asst. Prof., published paper titled "Mg-O Nano-Catalyzed Biodiesel Production from Waste Coconut Oil and Fish Oil Using Response Surface Methodology and Grasshopper Optimization" in Sustainability MDPI on 06/09/2022.

#### **FDP / WORKSHOPS / STTP ATTENDED BY FACULTY:**

- ❖ Dr. Manjunatha Chary G. H., Asst. Prof., Dr. Amith Kumar S. J., Asst. Prof., Srinivasa Murthy M. K., Asst. Prof., Abdul Saleem S., Asst. Prof. and Jayavardhana Acharya N., Asst. Prof. attended FDP course on "An Overview of Teaching Techniques in FDP" organized by VTU Human Resource Development Centre (VTU-HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur from 09/05/2022 to 13/05/2022.
- ❖ Mr. Pradeep N. B., Asst. Prof. and Mr. Parameshwara S., Asst. Prof., attended FDP on "Advances in Material Processing and Additive Manufacturing" from 01/09/2022 to 10/09/2022 organized by PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, sponsored by AICTE.

# **ELECTRICAL & ELECTRONICS ENGINEERING**

## **FACULTY DEVELOPMENT PROGRAMS ATTENDED:**

- ❖ Dr. H. B. Suresh, Professor attended a symposium "JNNCE - Tech Anveshan - 2022" at, JNNCE, Shimoga, from 27/05/2022 to 28/05/2022.
- ❖ Ms. Soumya K. T., Assistant Professor attended FDP "Block Chain Technology and Its Applications" sponsored by IIT, at EDUXLABS in association with Mechanica, IIT MADRAS, from 22/08/2022 to 06/09/2022.
- ❖ Mr. H. M. Maheshwarappa, Assistant Professor attended a webinar "Financial Empowerment Through Wealth Creation" sponsored by UGC, at Govt. First Grade College, Vijayapura, Karnataka, on 02/09/2022.
- ❖ Ms. Soumya K. T., Assistant Professor attended FDP "Recent Developments in Smart Grid and Applications" sponsored by IEEE, at GSSSIETW, Mysuru in association with VTU, IEEE student, from 05/09/2022 to 07/09/2022.
- ❖ Mr. H. M. Maheshwarappa, Assistant Professor, Mr. N. G. Ajanna, Assistant Professor, Ms. Soumya K. T., Assistant Professor, Ms. Supritha M. R., Assistant Professor, Mr. Vidyashankar M., Assistant Professor, Ms. Padmashree H. R., Assistant Professor and Mr. Chandan K. R., Assistant Professor attended FDP "Application of Power Electronics in Smart Grid, Renewable Energy Resource and Industrial Drives" sponsored by VGST, at PES Institute of Technology and Management-Shivamogga, from 12/09/2022 to 15/09/2022.
- ❖ Mr. Shambulinga S. J., Instructor attended a workshop "Microsoft Excel Workshop" at Ira EDU-TECH, on 13/09/2022.
- ❖ Mr. Shambulinga S. J., Instructor attended an online workshop "E-Mobility Workshop" organized by P EV Academy, Singapore on 22/09/2022.
- ❖ Ms. Padmashree H. R., Assistant Professor attended online FDP "Power System & Control" at VIT, Chennai, from 26/09/2022 to 30/09/2022.

## **CONFERENCE ATTENDED:**

- ❖ Ms. Soumya K. T., Assistant Professor attended a conference "Feedback Linearization for Siso Non-Linear Control Systems" at Vellore Institute of Technology from 23/09/2022 to 25/09/2022.
- ❖ Mr. H. M. Maheshwarappa, Assistant Professor attended a conference "Distributed Computing, VLSI, Electrical Circuits and Robotics (2022 IEEE Discover)" sponsored by IEEE, at JNNCE-Shivamogga, from 14/10/2022 to 15/10/2022.

## **SEMINAR ATTENDED:**

- ❖ Dr. Thejaswi A. H., Professor attended a seminar "Energy Efficiency and Energy Conservation" sponsored by KREDL, at JNNCE, Shimoga, from 29/04/2022 to 29/04/2022.



- ❖ Ms. Supritha M. R., Assistant Professor, Mr. Vidyashankar M., Assistant Professor and Mr. H. M. Maheshwarappa, Assistant professor attended a seminar "National Intellectual Property Awareness Mission (NIPAM)" sponsored by DST, at JNNCE-Shivamogga, from 03/06/2022 to 04/06/2022.
- ❖ Dr. H. B. Suresh, Professor attended a seminar "Workshop for Publics and Environmentalists on Pollution" sponsored by MGRID, Govt. of Karnataka, at Krushi Vignana Kendra, Agricultural and Horticultural university, Shimoga, from 07/06/2022 to 07/06/2022.

### **CERTIFICATION COURSES:**

- ❖ Mr. H. M. Maheshwarappa, Assistant Professor successfully completed NPTEL Exam on 29/10/2022 at AIT - Chikkamagaluru.
- ❖ Ms. Padmashree H. R., Assistant Professor successfully completed a NITTT certification course "Professional Ethics & Sustainability."

### **POWERTRON:**

- ❖ The Valedictory program celebrated on 30/07/2022 followed by the chief guest Ms. Ashwini B. S., AEE (Major Works - KPTCL, Shivamogga) addressed the students in the occasion, presided by the Principal Dr. K. Nagendra Prasad and Dr. P. Manjunath, Dean Academic distributed the prizes on the occasion.



**POWERTRON Valedictory function with the chief guest Ms. Ashwini B. S., AEE, KPTCL Shimoga**

### **THE POWERTRON & INSTITUTION OF ENGINEERS (INDIA):**

- ❖ Blazin Wheel (Robo-Race and Robo - Soccer) event conducted on 14/05/2022. The event Inaugurated by the Principal Dr. K. Nagendra Prasad and Dean Academic Dr. P Manjunath, Distributed the prizes to the winners.
- ❖ Mr. H. M. Maheshwarappa, Assistant Professor and Dr. K. B. Veeresh, Assistant Professor were the coordinators and the Student Coordinators were Pavan V. and Vinay H. M.





**Blazin Wheel (Robo-Race and Robo – Soccer) event inaugurated by principal Dr. K. Nagendra prasad**



**Blazin Wheel (Robo-Race and Robo – Soccer) event**

- ❖ Technical Quiz in the field of Energy efficiency and energy conservation funded by Karnataka Renewable Energy Development Limited, conducted at JNNCE, on 29/04/2022 by the coordinators Mr. Ajjanna N. G., Assistant Professor and Mr. Chandrashekhar S., Foreman.
- ❖ The events like Photography, Treasure Hunt, Circuit Puzzle and Quiz conducted on 25/05/2022 by the Coordinators Dr. K. B. Veeresh, Assistant Professor and Mr. H. M. Maheshwarappa, Assistant Professor.

# ELECTRONICS & COMMUNICATION ENGINEERING

## EVENTS CONDUCTED:

- ❖ One day SDP on Effective Document Writing using Latex (With Hands-on training) for final year students was conducted on 11/04/2022 coordinated by Dr. S. Pramod Kumar, Assoc. Professor.
- ❖ Meeting of Trilingual Glossary of Engineering was conducted from 02/05/2022 to 06/05/2022 coordinated by Dr. S. V. Sathyanarayana, Professor & Head.
- ❖ JNNCE Tech Anveshan held from 27/05/2022 to 28/05/2022 coordinated by Mr. Abhijith N., Asst. Professor.
- ❖ SPECTRUM-2022 held from 29/05/2022 to 31/05/2022 coordinated by Mr. Abhijith N., Asst. Professor.
- ❖ PLASMA-2022 conducted from 30/05/2022 to 31/05/2022 coordinated by Mr. Sharath S. M., Asst. Professor & Ms. Shwetha H. R., Asst. Professor.



Inauguration of PLASMA-2022

- ❖ Partial delivery by Industry Expert Soundarya V. K., Senior Consultant, Mercedes Benz on "Python Application Programming" organized from 02/06/2022 to 04/06/2022 coordinated by Ms. Ujwala B. S., Asst. Professor.
- ❖ TechZone - 2022 was conducted in JNNCE from 11/06/2022 to 12/06/2022 coordinated by Ms. Shwetha H. R., Asst. Professor.
- ❖ IEEE Government School Adoption Program was conducted during 25/06/2022 coordinated by Mr. Anil Kumar J, Asst. Professor & Mr. Darshan K V, Asst. Professor.
- ❖ Partial delivery by Industry Expert Ramaprasad H C, Head - Academics & Operations at 10 Seconds on "Data Structures and Algorithms using C++" organized from 08/07/2022 to 14/07/2022 coordinated by Ms. Sumathi K, Asst. Professor.



## **PUBLICATIONS:**

- ❖ Ms. Shwetha H R, Asst. Professor published a paper titled "Thermal Analysis of Greenhouse Gases Using MEMS Based Platinum Microheater" in International Journal of Mechanical Engineering Kalahari Journals, 20/04/2022 Volume 7, ISSN 0974-5823.
- ❖ Ms. Smitha S M, Asst. Professor, Ms. Prema K N, Asst. Professor, Ms. Roopa B S, Asst. Professor published a paper titled "Application of Speech Processing for Pathological Voice Detection and Analysis" in International Journal of Innovative Science and Research Technology, 22/05/2022 Volume 7, Issue 4, ISSN 2456-2165.
- ❖ Mr. Pradeepa S C, Asst. Professor, Mr. Abhijith N, Asst. Professor published a paper titled "Ball Balancing PID System using Image Processing" in International Journal for Research in Applied Science & Engineering Technology, 25/07/2022, Volume 10, Issue 8, ISSN 2321-9653.
- ❖ Mr. Anil Kumar, Asst. Professor published a paper titled "Design of CNC Machine Based Laser Engraver with Arduino UNO" in International Journal for Research in Applied Science & Engineering Technology, 29/07/2022, Volume 10, Issue 8, ISSN 2321-9653.
- ❖ Ms. Shwetha B, Asst. Professor published a paper titled "Application of Super pixels Segmentation in Digital Image forgery Detection" in JNNCE Journal of Engineering & Management, 31/07/2022, Volume 6, Issue 1, ISSN 2582-0079.
- ❖ Ms. Shwetha H R, Asst. Professor published a paper titled "MEMS Based Metal Oxide Semiconductor Carbon Dioxide Gas Sensor" in Micro and Nano Engineering Elsevier, 01/08/2022, Volume 6, Issue 1, ISSN 2590-0072.

## **ACHIEVEMENTS OF FACULTY:**

- ❖ Dr. P Manjunatha, Professor & Dean was the resource person for National Level (Offline) Faculty Development Program on Open-Source Software and Tools for Modern Teaching during 18/04/2022.
- ❖ Dr. S. V. Sathyanarayana, Professor & Head was the IEEE ExCom Member.
- ❖ Dr. Pramod Kumar S, Assoc. Professor was Peer reviewer for IEEE Conference IEEE Bangalore Section, India from 02/05/2022 to 10/05/2022 and Reviewer for International Conference on Data Science and Information System (ICDSIS - 2022), MCE, Hassan from 23/05/2022 to 01/06/2022.
- ❖ Ms. Shwetha B, Asst. Professor was Reviewer for IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics ICDCECE- 2022.
- ❖ Dr. Pramod Kumar S, Assoc. Professor & Ms. Shwetha B, Asst. Professor were the resource persons for Effective Report writing using Latex conducted by Department of ISE, MCE, Hassan during 26/05/2022.
- ❖ Mr. Pradeepa S C, Asst. Professor was the Session chair for KSOU: Karnataka State Open University, Mysuru, Karnataka, India from 26/05/2022 to 28/05/2022.
- ❖ Dr. Pramod Kumar S, Assoc. Professor was Reviewer for Journal of Digital Image Processing - D-22-00138, 13/06/2022 to 11/08/2022.
- ❖ Mr. Sunil M D, Asst. Professor has given talk on Student and Teachers to Rotary East School students, Rajendra Nagar on 05/09/2022.

- ❖ Dr. Pramod Kumar S, Assoc. Professor was Peer reviewer for IEEE Conference International Conference on Recent Advances and Innovations in Engineering, NITK India 13/09/2022 to 21/09/2022.

### **CERTIFICATION COURSES:**

- ❖ Ms. Roopa B S, Asst. Professor successfully completed course on "Introduction to Deep Learning" by Great Learning Academy from 01/04/2022 to 22/04/2022.
- ❖ Ms. Prema K N, Asst. Professor successfully completed course on "Python Fundamentals for Beginners" by Great Learning Academy from 18/04/2022 to 31/05/2022.
- ❖ Ms. Ujwala B S, Asst. Professor & Ms. Sumathi K, Asst. Professor successfully completed course on "Creating Multitask Models with Keras" by Course Era from 23/05/2022 to 25/05/2022 and from 01/09/2022 to 10/09/2022.
- ❖ Ms. Ujwala B S, Asst. Professor & Ms. Smitha S M, Asst. Professor successfully completed course on "Basic Image Classification with Tensor Flow" by Course Era during 24/05/2022, 25/05/2022.
- ❖ Mr. Anil Kumar J, Asst. Professor successfully completed NPTEL course on "System Design through VERILOG", "Python for Machine Learning" by Great Learning Academy 27/07/2022 30/07/2022, "Creating Routing Policies to Handle Traffic with AWS Route53" by Course Era from 05/08/2022 to 06/08/2022, "Python Program from UST" by Course Era from 20/08/2022 to 22/08/2022, "Introduction to Artificial Intelligence" by Great Learning Academy from 27/08/2022 to 29/08/2022.
- ❖ Mr. Abhijith N, Asst. Professor successfully completed course "Operating Systems" by Course Era on 03/08/2022.
- ❖ Ms. Smitha S M, Asst. Professor successfully completed course on "Linear Regression with NumPy and Python" by Course Era on 06/08/2022 and "Overview of Data Visualization" by Course Era from 03/08/2022 to 04/08/2022.
- ❖ Ms. Nalina S B, Asst. Professor successfully completed course on "Create your first Python Program from UST" by Course Era.

### **WORKSHOP / WEBINAR / FDP ATTENDED:**

- ❖ Mr. Prashanth G S, Asst. Professor attended FDP on "Open-Source Software and Tools for Modern Teaching" conducted by Government Engineering College Haveri from 18/04/2022 to 21/04/2022.
- ❖ Ms. Roopa B S, Asst. Professor, Ms. Ujwala B S, Asst. Professor & Ms. Sumathi K, Asst. Professor attended FDP on "Embarking on Open-Source Software in an Engineering & Research Journey", conducted by BIET, Davanagere from 19/04/2022 to 24/04/2022.
- ❖ Ms. Shwetha B, Asst. Professor attended FDP on 'An Overview of Teaching Techniques in Data Science and Analytics' conducted by VTU, Muddenahalli, Chikkaballapur, from 25/04/2022 to 29/04/2022.
- ❖ Mr. Harish T S, Asst. Professor, Ms. Roopa B S, Asst. Professor & Ms. Nalina S B, Asst. Professor attended STTP on "Current Advancements of Machine Learning Interms of Ai & Iot (Aiot)" conducted by JSSATE, Bangalore from 25/04/2022 to 29/04/2022.
- ❖ Mr. Sunil M D, Asst. Professor attended FDP on "Mathematics for Data Science" conducted by Acharya Institution of Technology, Bengaluru from 09/05/2022 to 13/05/2022.



- ❖ Mr. Harish T S, Asst. Professor attended "Applications of applied Signal Processing, Communications and devices for IoT Driven e-health care", sponsored by Ministry of Information and technology conducted by NIT Warangal and university of Kashmir from 12/05/2022 to 21/05/ 2022.
- ❖ Mr. Pradeepa S C, Asst. Professor & Mr. Abhijith N, Asst. Professor attended FDP on "Research Methodology" organized by SRM Institute of Science and Technology Ramapuram, Chennai-89 from 06/06/2022 to 21/06/2022.
- ❖ Mr. Abhijith N, Asst. Professor attended FDP on "Emerging and innovative approach in management, IT and communication in teaching and Research", from 09/06/2022 to 15/06/2022.
- ❖ Dr. Pramod Kumar S, Assoc. Professor, Mr. Harish T S, Asst. Professor, Ms. Shwetha H R, Asst. Professor, Mr. Ajay Betur, Asst. Professor & Ms. Shwetha B, Asst. Professor participated in the Seven Day Online International Faculty Development Program on "Advanced Materials and Process for Next-Generation Nano electronic Devices: Challenges and Opportunities" organized by Department of Electronics & Communication Engineering, SRM Institute of Science & Technology, Ramapuram Campus, Chennai during 27/06/2022 to 04/07/2022.
- ❖ Dr. Pramod Kumar S, Assoc. Professor, Mr. Harish T S, Asst. Professor, Mr. Ajay Betur, Asst. Professor, Ms. Prema K N, Asst. Professor & Ms. Pradeepa S C, Asst. Professor attended 10-Days FDP on "Unleashing Emerging Research Trends and Advancements in Computer Science", organized by VIT-AP University, Amaravati from 04/07/2022 to 14/07/2022.
- ❖ Ms. Shwetha H R, Asst. Professor attended FDP "Analytical Techniques for Nanomaterials", from 18/07/2022 to 25/07/2022.
- ❖ Mr. Abhijith N, Asst. Professor attended Eight-day FDP on Research publications and patent from 22/08/2022 to 30/08/2022 and 21<sup>st</sup> century skills for teaching learning from 16/08/2022 to 20/08/2022.
- ❖ Ms. Smitha S M, Asst. Professor, Ms. Roopa B S, Asst. Professor, Ms. Prema K N, Asst. Professor, Ms. Shwetha B, Asst. Professor & Mr. Anil Kumar J, Asst. Professor attended FDP on Data Science & Networking, organized by RIT, Hassan from 25/08/2022 to 27/08/2022.
- ❖ Mr. Anil Kumar J, Asst. Professor attended FDP on Geospatial Analytics, JSSATE, Bengaluru from 26/09/2022 to 30/09/2022.
- ❖ Mr. Pradeepa S C, Asst. Professor, Mr. Anil Kumar J, Asst. Professor, Ms. Roopa B S, Asst. Professor, Ms. Shwetha B, Asst. Professor & Mr. Darshan K V, Asst. Professor attended FDP on Impact of Artificial Intelligence in the field of Engineering, conducted by VELs, Chennai, from 26/09/2022 to 30/09/2022.
- ❖ Ms. Sumathi K, Asst. Professor attended FDP on Analog and Digital IC design: Semiconductor Industry Approach from 26/09/2022 to 30/09/2022.

### **FUNDING / GRANTS:**

Under the guidance of Ms. Smitha S M, Asst. Professor, Ms. Prema K N, Asst. Professor & Ms. Roopa B S, Asst. Professor below projects got funded by KSCST for the academic year 2021-2022.

- ❖ Hand gesture to Speech and Text Conversion System.
- ❖ AI Trainer for Activity Detection through HPE and HPC by deep Learning Networks.
- ❖ Automatic Packing Control Machine.

### **STUDENT'S ACCOMPLISHMENTS:**

- ❖ Many of our students successfully completed their certification courses on different areas like "Programming in JAVA", "Python Basics", "Web Application using Python with Flask" etc.
- ❖ Many of our students actively participated in TechZone, JNNCE Tech Anveshan-2022, Innovation Project Exhibition, Quizzes, PLASMA 2022 and JNNCE Sports.
- ❖ Few of our students attended workshops on Programming in C, C++ and Microcontroller, Six days technical workshop by IIES, Hand on Session on Git & GitHub, 7 days boot camp on real estate price prediction.
- ❖ Few of our students participated Project Exhibition held at Mangalore "I2CONNECT IEEE" on 18/06/2022.



# Department of Electronics & Telecommunication Engineering

## JOURNAL PUBLICATIONS:

- ❖ Dr. Usha Devi M. B., Professor published a paper in International Journal of Computer Networking, Wireless and Mobile Communications on "Optimizing Maximum Link Utilization in Multicast Network" Vol. 12, Issue 1, April 2022, ISSN 2278-9448.
- ❖ Ms. Rashmi M. Hullamani, Asst. Professor published a paper in Gradiva Review Journal Gradiva on "CRICLYTICS – Cricket Prediction using Machine Learning" Vol. 8, Issue 5, May 2022, ISSN 0363-8057.
- ❖ Mr. Harisha S. B., Asst. Professor published a paper in the International Research Journal of Engineering and Technology (IRJET) IRJET on "Smart Wheelchair with Trolley for Elderly People" Vol. 9, Issue 6, June 2022, ISSN 2395-0056.
- ❖ Ms. Rashmi M. Hullamani, Asst. Professor published a paper in Neuro-Quantology on "Corona Virus, its Effects and Solution-A Review" Vol 20. Issue 10, August 2022, ISSN 1303-5150.

## PROJECT GRANTS:

- ❖ Dr. Ashwini S. R., Asst. Professor received a grant of Rs. 6,000 for the KSCST-sponsored project "Integrated smart Pole" on 11/5/2022.

## EVENTS CONDUCTED:

- ❖ Department organized an online webinar on "Introduction to Linear Algebra" by Dr. Vipula Singh, Professor & Head, E&C RNSIT, Bangalore and Mr. Sanjay M Belgaonkar, Asst. Professor, E&C RNSIT, Bangalore for 4<sup>th</sup> sem E&TE students on 07/6/2022. The Event was coordinated by Mrs. Rashmi M. Hullamani, Asst. Professor, Department of E&TE.
- ❖ Department organized an invited talk on "Emerging Trends in Cloud Computing and Career Opportunities" by Mr. Srivathsa M. A., System Integrator, Intel Technologies, Bangalore for 4<sup>th</sup> sem E&TE students on 10/6/2022. The Event was coordinated by Mr. Harisha S. B., Asst. Professor and Ms. Rashmi M. Hullamani, Asst. Professor, Department of E&TE.
- ❖ Department organized an invited talk on "Artificial Neural Network" by Dr. Sridhar Murthy S. K., Professor and Head, E&C Dept., UBDTCE, Davaangere for E&TE students on 21/6/2022. The Event was coordinated by Mr. Harisha S. B., Asst. Professor and Mr. Shashi Kiran S., Asst. Professor, Department of E&TE.
- ❖ Department organized an invited talk on "Internship and Placement opportunities in VLSI and allied Industries" by Ms. Tejaswini Mahalingam, Analog Layout Engineer, Texas Instruments, Bangalore on 20/09/2022 for 7<sup>th</sup>-semester students of ETE, ECE & EEE departments. The Event was coordinated by Dr. Ashwini S. R., Asst. Professor, Department of E&TE.



**Invited Talk on Artificial Neural Network by  
Dr. Sridhar Murthy S. K.**



**Invited Talk on Internship and Placement opportunities in VLSI and allied  
Industries by Ms. Tejaswini Mahalingam**

### **OUTSIDE WORLD INTERACTION:**

- ❖ Dr. Ashwini S. R., Asst. Professor was the subject expert of Trilingual Glossary of Engineering Words conducted by MHRD Government of India from 2/5/2022 to 6/5/2022.

### **CERTIFICATION COURSES:**

- ❖ Ms. Aparna, Asst. Professor has completed a certification course on "Introduction to Artificial Intelligence" by Coursera from 19/4/2022 to 19/5/2022.
- ❖ Ms. Rashmi M. Hullumani, Asst. Professor has completed a certification course on the "Basics of Machine Learning" by Great Learning Academy from 22/04/2022 to 23/04/2022.
- ❖ Ms. Aparna, Asst. Professor has completed a certification course on the "Basics of Machine Learning" by Great Learning Academy from 02/05/2022 to 07/05/2022.
- ❖ Ms. Rashmi M. Hullumani, Asst. Professor has completed a certification course on "Python for Machine Learning" by Great Learning Academy on 10/05/2022.
- ❖ Mr. Nuthan Kumar M. U., Asst. Instructor has completed a certification course on "Python Fundamentals" by Great Learning Academy from 09/05/2022 to 13/05/2022.
- ❖ Mr. Nuthan Kumar M. U., Asst. Instructor has completed a certification course on "Introduction to Deep Learning" by Great Learning Academy on 06/06/2022.
- ❖ Dr. Usha Devi M. B., Professor has completed a certification course on "Python for Machine Learning" by Great Learning Academy on 04/08/2022.
- ❖ Mr. Shashi Kiran S., Asst. Professor, has completed a certification course on "Cryptography" by Coursera 30/08/2022.

### **FDP / WORKSHOP / STTP ATTENDED BY FACULTY:**

- ❖ Ms. Rashmi M. Hullumani, Asst. Professor, Ms. Aparna, Asst. Professor and Mr. Benak Patel M. P., Asst. Professor attended a one-week FDP on "An Overview of Teaching Techniques in Data Science and Analytics" organized By VTU Human Resource Development Cell (VTU - HRDC) Centre for Post-Graduation Studies, VIAT, Muddenahalli, Chikkaballapura from 25/04/2022 to 29/04/2022.
- ❖ Mr. Madhusudhan G., Asst. Professor has attended a one-week FDP on "Emerging Wireless Communications: 6G and Beyond" organized by the Department of Electronics and Communication Engineering, National Institute of Technology Rourkela from 09/05/2022 to 13/05/2022.



- ❖ Mr. Sanjay R. K., Asst. Instructor has attended a workshop on "National IP Awareness Mission" organized by JNNCE, Shimoga from 03/06/2022 to 04/06/2022.
- ❖ Mr. Madhusudhan G., Asst. Professor has attended a webinar on "Latest Research in Communication, Biomedical Innovations & the applications of Metal Catalysis" organized by Educare Taiwan with "National Sun Yet-Sun University" Online mode on 12/06/2022.
- ❖ Mr. Harisha S. B., Asst. Professor has attended a one-week FDP on "Recent Algorithms. for Remote Sensing Applications" organized by NITK Surathkal in Online mode from 12/07/2022 to 16/07/2022.
- ❖ Mr. Harisha S. B., Asst. Professor attended a one-week online FDP on Emerging Trends in VLSI Design & Practical Approach organized by Aditya College of Engineering, Madanapalle, Andhra Pradesh from 01/08/2022 to 06/08/2022.
- ❖ Dr. Usha Devi M. B., Professor has attended a one-week FDP on "Geospatial Analytics" organized by JSS Academy of Technical Education, Bengaluru from 26/09/2022 to 30/09/2022.
- ❖ Dr. Ashwini S. R., Asst. Professor has attended a webinar on "All about Drones" organized by IITB on 16/08/2022.

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## EVENTS ORGANIZED:

- ❖ Mr. Nandish M. and Mrs. Namitha H. V., Asst. Professor organized seminar on "Emerging Trends and Technology" on 28/04/2022.
- ❖ Dr. Jalesh Kumar K., Professor and Mr. Hiriyanna G. S., Asst. Professor, organized webinar on "Dream your Career" on 28/04/2022.
- ❖ Dr. Raveendra S., Assoc. Professor and Mr. Sandeep S. B., Asst. Professor organized placemat / Training activity for students and faculties during 27/05/2022 to 28/05/2022.
- ❖ Dr. Poornima K. M., Professor and Head, Mr. Sathyanarayana S., Asst. Professor organized "AVISHKAAR-22", under IEEE during 19/05/2022 to 20/05/2022.
- ❖ Dr. Poornima K. M., Professor and Head and Mr. Hiriyanna G. S., Asst. Professor organized SDP on "Mobile Application Development with Kotlin" during 14/05/2022 to 16/05/2022.
- ❖ Ms. Pushpa R. N., Asst. Professor and Mrs. Sreedevi S., Asst. Professor organized parents meet on 27/08/2022.
- ❖ Ms. Sowmya D., Asst. Professor organized STTP on "Computer Hardware Assembly and Software Installation" during 01/08/2022 to 03/08/2022.

## PAPER PUBLICATIONS:

- ❖ Dr. Raveendra S., Assoc. Professor, published paper in International Journal of Science and Research IJRASET on "A Survey on Multidimensional Chaotic Maps and Genetic Operator" on 30/04/2022.
- ❖ Dr. Manjula G. R., Professor published paper in International Journal of Science and Research IJRASET on "VOICE AND TEXT BASED VIRTUAL PERSONAL ASSISTANT FOR DESKTOP" on 01/05/2022.
- ❖ Dr. Prabhudeva S., Director Dept. of MCA, Mrs. Ganavi M., Asst. Professor and Dr. Sankhya Nayak N., Assoc. Professor published paper in International Journal of Computer Networks and Applications (IJCNA) Ever Science Publications on "A Secure Image Encryption and Embedding Approach using MR.SA and RC6 with DCT Transformation" on 30/06/2022.
- ❖ Dr. Prabhudeva S., Director Dept. of MCA, Mrs. Ganavi M., Asst. Professor published paper in JNNCE Journal of Engineering & Management (JJEM) JNNCE on "An Approach to Achieve Message Integrity Using SHA-256 and Elliptic Curve Cryptography with Salting" on 30/06/2022.
- ❖ Dr. Jalesh Kumar K., Professor and Mr. Chakrapani D. S., Asst. Professor published paper in JNNCE Journal of Engineering & Management (JJEM) JNNCE on "Securing the Information Contents in Images Based on Cellular Automata and Genetic Operations – a Parallel Approach" on 01/06/2022.
- ❖ Dr. Manjula G. R., Professor published paper in International Conference on Advances in Data Science and Computing Technologies (ADSC-2022) Kazi Nazrul University, Asansol, West Bengal, India 713340 on "Survey of various machine learning techniques for Analyzing IoMT based Remote Patient Monitoring System" on 23/06/2022 to 24/06/2022.



- ❖ Mr. Hiriyanna G .S., Asst. Professor published paper in International Journal for Research in Applied Science & Engineering Technology International Journal for Research in Applied Science & Engineering Technology on "Pneumonia Detection in X-Ray Chest Images Based on CNN and Data Augmentation" on 30/07/2022.
- ❖ Mr. Sandeep B., Asst. Professor published paper in International Journal of Advanced Research in Computer and Communication Engineering IJARCCCE on "Medical Data Classification for Prediction of Early Chronic Kidney Disease" on 07/07/2022.
- ❖ Dr. Poornima K. M., Professor and Head published paper in International Journal for Research in Applied Science & Engineering Technology (IJRASET) IJRASET on "Malicious Websites Classification using Machine Learning Techniques: A Survey Paper" on 01/07/2022.
- ❖ Ms. Sowmya D., Ms. Namitha M. V. and Ms. Sushma R. B., Asst. Professors published paper in International Journal of Engineering Applied Sciences and Technology IJEAST on "An Approach to Monitor Covid-19 SOP" on 09/08/2022.
- ❖ Ms. Sowmya D., Asst. Professor, Ms. Namitha M. V., Asst. Professor and Ms. Sushma R. B., Asst. Professor published paper in International Journal of Engineering Applied Sciences and Technology on "Detection of Pedestrian and Vehicles for Road Safety" on 07/08/2022.
- ❖ Mr. Benakappa S. M., Asst. Professor published paper in International Journal - Computer Network and Information Security MECS on "Energy Aware Stable Multipath Disjoint Routing Based on Accumulated Trust Value in MANETs" on 02/08/2022.
- ❖ Dr. Prabhudeva S., Director, Dept. of MCA, Ms. Ganavi M., Asst. Professor published paper in I. J. Computer Network and Information Security MECS Press on "An Efficient Image Steganography Scheme Using Bitplane Slicing with Elliptic Curve Cryptography and Wavelet transform" on 01/08/2022.
- ❖ Dr. Jalesh Kumar K., Professor published paper in Journal of Emerging Technologies and Innovative Research IJ Publication on "Object Detection Using YOLO Technique" on 01/09/2022.

### **EXPERT TALK DELIVERED / AWARDS / ACHIEVEMENTS:**

- ❖ Dr. Sankhya Nayak N., Assoc. Professor Interacted with students as a Student Branch Counsellor under IEEE during 23/04/2022.
- ❖ Dr. Manjula G. R., Professor, attended the certification course on "Tensor Flow Developer Certificate in 2022: Zero to Mastery" on 27/04/2022.
- ❖ Mr. Vedananda D. E., Asst. Professor attended the certification course on "Data Encryption using AWS KMS. From UST" during 02/04/2022 to 27/07/2022.
- ❖ Ms. Namitha M. V., Asst. Professor attended the certification course on "Foundations of Project Management" during 01/04/2022 to 15/04/2022.
- ❖ Ms. Ayeesha Siddiqua, Asst. Professor received Rs. 6,000 for project "Medical Image Security Through Feature Based Watermarking" by KSCST on 11/05/2022.
- ❖ Dr. Raveendra S, Assoc. Professor, Dept. of CS&E, was Session Chair and Reviewer for Editorial Board – ICMEETS on 28/05/2022.

- ❖ Mr. Vedananda D. E., Asst. Professor attended the certification course on "Introduction to Bash Shell Scripting" during 02/05/2022 to 29/07/2022.
- ❖ Dr. Manjula G. R., Professor sanctioned with Rs.10,00,000 for "Design and Implementation of Steganographic Techniques in Live Multimedia" under VGST on 30/06/2022.
- ❖ Dr. Sankhya Nayak N., Assoc. Professor and Mr. Sandeep B. Asst. Professor organized expert talk on "How to Enhance Skills for Better Placement Opportunities" on 30/06/2022.
- ❖ Dr. Raveendra S., Assoc. Professor and Mr. Hiriyanna G. S. Asst. Professor organized SDP on "Hybrid App Development with Flutter" under IEEE during 04/06/2022 to 05/06/2022.
- ❖ Mr. Manohar Nelli V., Asst. Professor attended the certification course on "Introduction to Bash Shell Scripting" under CourseEra during 18/06/2022 to 18/07/2022.
- ❖ Mr. Hiriyanna G. S., Asst. Professor attended the certification course on "Build a Mobile App with Google Sheets on Glide and no coding" under CourseEra during 17/06/2022 .
- ❖ Mr. Manohar Nelli V., Asst. Professor attended the certification course on "Build a Mobile App with Google Sheets on Glide and no coding" under CourseEra during 17/06/2022.
- ❖ Mrs. Ganavi M., Asst. Professor attended the certification course on "Build a Mobile App with Google Sheets on Glide and No Coding" under CourseEra during 17/06/2022.
- ❖ Mr. Sandeep B., Asst. Professor attended the certification course on "Introduction to Bash Shell Scripting" under CourseEra during 18/06/2022 to 18/07/2022.
- ❖ Mr. Sandeep B., Asst. Professor attended the certification course on "Decentralized Finance (DEFI) Primitives" under CourseEra during 01/06/2022 to 02/07/2022.
- ❖ Mr. Manohar Nelli V., Asst. Professor organized expert talk on "Sorting Algorithms" for students on 20/07/2022.
- ❖ Mrs. Sowmya D., Asst. Professor attended certification course on "Master Modern Security and Cryptography by Coding in Python" during 04/07/2022 to 31/07/2022.
- ❖ Mr. Chakrapani D. S., Asst. Professor organized STTP on "Technical Training on C And C++" during 28/08/2022 to 15/09/2022.
- ❖ Dr. Sankhya Nayak N., Assoc. Professor organized STTP on "Technical Training on C and C++" during 28/08/2022 to 15/09/2022.
- ❖ Ms. Thaseen Bhashith, Asst. Professor attended certification course on "Full Stack Web Development Using Word Press" under CourseEra during 18/08/2022:08/09/2022.
- ❖ Mr. Ganavi M., Asst. Professor attended certification course on "Practical Encryption" on 06/08/2022 to 16/08/2022.
- ❖ Mr. Chakrapani D. S., Asst. Professor attended certification course on "Introduction to Bash Shell Scripting" during 03/08/2022.
- ❖ Dr. Sankhya Nayak N., Assoc. Professor attended certification course on "Front End Development - HTML" under CourseEra during 01/08/2022 to 31/08/2022.



### **FDP / WORKSHOP / TRAINING ATTENDED:**

- ❖ Ms. Thaseen Bhashith, Asst. Professor attended one week FDP on "Current Advancements of Machine Learning in Terms of AI & IoT" sponsored by NIT, Warangal during 25/04/2022 to 29/04/2022.
- ❖ Ms. Pushpa R. N., Asst. Professor attended one week FDP on "Current Advancements of Machine Learning in Terms of AI & IoT" sponsored by NIT, Warangal during 25/04/2022 to 29/04/2022.
- ❖ Dr. Ravindra S., Assoc. Professor attended one week FDP on "Current Advancements of Machine Learning in Terms of AI & IoT" sponsored by NIT, Warangal during 25/04/2022 to 29/04/2022.
- ❖ Dr. Ravindra S., Assoc. Professor attended FDP on "Green IoT for Sustainable Development" under IIT, Noida during 13/06/2022 to 17/06/2022.
- ❖ Mr. Sathyanarayana S., Asst. Professor attended one week FDP on "JAVA Full Stack Top Up" under Wipro TalentNext during 13/06/2022: 24/06/2022.
- ❖ Dr. Ravindra S., Assoc. Professor attended FDP on "Blockchain Technology and Its Applications" during 25/07/2022 to 30/07/2022.
- ❖ Ms. Thaseen Bhashith, Asst. Professor attended one week FDP on "National Level Workshop on Amazon Web Services" in association with Sri Venkateshwara College of Engineering, Bengaluru, during 22/08/2022 to 27/08/2022.
- ❖ Mr. Sandeep B., Asst. Professor attended one week FDP on "National level workshop on Amazon Web Services" in association with Sri Venkateshwara College of Engineering, Bengaluru, during 22/08/2022 to 27/08/2022.
- ❖ Ms. Pushpa R. N., Asst. Professor attended one week FDP on "National level workshop on Amazon Web Services" in association with Sri Venkateshwara College of Engineering, Bengaluru, during 22/08/2022 to 27/08/2022.
- ❖ Ms. Ganavi M., Asst. Professor attended one week FDP on "Outcome Based Education" in association with Shri Krishnaswamy College for Women, Chennai-600 040 during 08/08/2022 to 13/08/2022.
- ❖ Ms. Pushpa R. N., Asst. Professor attended one week FDP on "Cyber Security Analytics" BIT during 27/09/2022 to 01/10/2022.
- ❖ Dr. Sankhya Nayak N., Assoc. Professor attended STTP on "Python Programming for Artificial Intelligence" NIT Warangal during 26/09/2022 to 30/09/2022.
- ❖ Mr. Sandeep B., Asst. Professor attended STTP on "Python Programming for Artificial Intelligence" NIT Warangal during 26/09/2022 to 30/09/2022.
- ❖ Mr. Nandish M., Asst. Professor attended STTP on "Python Programming for Artificial Intelligence" NIT Warangal during 26/09/2022 to 30/09/2022.
- ❖ Mr. Mohan H. G., Asst. Professor attended STTP on "Python Programming for Artificial Intelligence" NIT Warangal during 26/09/2022 to 30/09/2022.
- ❖ Ms. Pushpa R. N., Asst. Professor attended one- week FDP on "Art of Research Paper Writing and IPR Level 2", SKIT, Bangalore (Online) during 20/09/2022 to 24/09/2022.
- ❖ Ms. Thaseen Bhashith, Asst. Professor attended one-week FDP on "Trends in Cyber Security and Data Analytics" during BIT, Bangalore during 04/09/2022 to 06/09/2022.

## STUDENTS ACHIEVEMENTS:

- ❖ Radhika J. G. participated Two- day camp-School Bell by NSS, on 27/05/2022.
- ❖ Sinchana S. Noole participated and won III prize on Just a Minute activity on 27/05/2022.
- ❖ Apeksha S. and Mandara M. participated workshop on IIES on 13/05/2022.
- ❖ Rohith Adiga H. R. and Sudhan J. attended workshop on "Programming in C, C++ & Microcontroller" on 07/05/2022.
- ❖ Murali Venkat J. attended certification course on "IoT (internet of things)" on 06/05/2022.
- ❖ Amith Ayer attended certification course on "Java programming" on 15/06/2022.
- Apeksha C. attended workshop on "Terminator-like object detection using python and CNN" on 02/06/2022.
- ❖ Manikya R. K. attended webinar on "Cyber security and Ethical Hacking Internship" on 15/07/2022.
- ❖ M. Shanon Akaksha attended certification course on "Artificial Intelligence (Verzeo Company-Smartknower)" on 07/07/2022.
- ❖ Harshitha Pengoria attended certification course on Har Gar Tiranga on 02/08/2022.
- ❖ Deeksha A. H. attended certification course on "Tata Imagination Challenge 2022" on 22/09/2022.
- ❖ Manikya R. G. attended sport on KUDO state level championship and got 1<sup>st</sup> place on 17/09/2022.
- ❖ Deeksha A. H. attended certification course on "MongoDB Basics by Great Learning Academy" on 08/09/2022.



Parents Meet on 27/08/2022.



SDP on "Mobile Application Development with Kotlin" during 14/05/2022 to 16/05/2022.



AVISHKAAR-22, under IEEE during 19-05-2022 to 20/05/2022.



# DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

## DEPARTMENT EVENTS CONDUCTED / FDP ORGANIZED:

- ❖ Department of Information Science and Engineering organized an online webinar on the topic "Block Chain Technology in Health Care Sector". The resource person for this workshop was Mr. Deepak S. N, Validation Analyst Lead, Claria (BioClinica) Bangalore on 29/04/2022. The event was coordinated by Mr. Akshay M. J., Assistant Professor and Mr. Pavan M., Assistant Professor of ISE department.
- ❖ A two-day placement training program organized from our department on the topic "C Programming Skills" from 20/5/2022 to 21/5/22. The resource persons are Dr. Deepa V. B., Assistant Professor and Mr. Sudeep Manohar, Assistant Professor of ISE department.
- ❖ Department organized a one-week Student development program on "Data Science with Maths Skills and Data Visualization" from 23/05/22 to 27/05/22. The resource person for this workshop was Dr. Deepa V. B., Assistant Professor, Department of ISE, JNNCE.
- ❖ Department forum INSIGHT arranged a one-week Student Development program on "Hands on session on Operating System and Hardware Components" from 06/06/2022 to 11/06/2022 for 2<sup>nd</sup> semester students. The resource person for this event was Mr. Anil Kumar, Instructor, Department of ISE.
- ❖ Department organized a one-day workshop on "How to Create Java Package" on 22/07/2022. The resource person for this workshop was Prof. Pradeep H. K, Associate Professor and Prof. Sathyanarayana K.B, Assistant Professor of ISE department.
- ❖ Department organized a nine-day Student development program on "Computer Networks and Microcontroller & Embedded Systems" from 11/08/2022 to 19/08/2022. The resource persons were Mr. Girish Mantha, Assistant Professor and Mr. Chethan G S, Assistant Professor of ISE department.

## BOOKS, JOURNALS, ARTICLES, PAPER PUBLISHED:

- ❖ Dr. R. Sanjeev Kunte, Professor & Head and Dr. Raghavendra R. J., Associate Professor published a paper titled "DOG-ADTCP: A New Feature Descriptor for Protection of Face Identification System", in Journal of Expert Systems with Applications, Elsevier (DBLP, Scopus, Web of Science indexed), vol. 201, pp. 1-16, 2022.
- ❖ Dr. Raghavendra R. J., Associate Professor published a paper titled "A Survey on Anti-Spoofing Methods for Facial Recognition", in International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 8, Issue 2 in the month of April 2022.
- ❖ Dr. Deepa V. B., Assistant Professor, published a paper titled "Optimizing Maximum Link Utilization in Multicast Network" in International Journal of Computer Networking, Wireless and Mobile Communications (IJCNWMC) in the month of April 2022.
- ❖ Ms. Suchethana H. C., Assistant Professor and Mr. Arun Kumar P, Assistant Professor published a paper titled "Virtual Talk Assistance for Dumb and Deaf" in International Journal of Scientific Research in Science Engineering and Technology in the month of May 2022.

- ❖ Dr. Samara Mubeen, Assistant Professor published a paper titled "Find\_S Algorithm: To Detect Node Behavior in Ad Hoc Network" in International Journal of Knowledge Based Computer Systems Publishing India in the month of June 2022.
- ❖ Mr. Pavan M, Assistant Professor, published a paper titled "Survey on Feature Extraction Approach for Human Action Recognition in Still Images and Videos" in International Journal of Scientific Research in Computer Science, Engineering and Information Technology Techno Science Academy, in the month of June 2022.
- ❖ Mr. Sayed Aftab Ahamed, Assistant Professor, Mr. Sharath Kumar S. R., Assistant Professor and Mr. Girish Mantha, Assistant Professor has published a paper titled "A Review: Plant Disease Detection Using Image Processing and Deep Learning" in proceedings International Journal of Research and Analytical Reviews, in the month of July 2022.

### **INVITED TALKS**

- ❖ Mr. Sudeep Manohar, Assistant professor invited as a resource person for the Faculty Development Program on "What makes Drone fly - Cyber Physical Systems" on 28/09/2022. The FDP was hosted by NMAMIT College Nitte, Mangalore.

### **FDP / WEBINARS / STTP / ATTENDED BY FACULTY:**

- ❖ Ms. Suchethana H. C., Assistant Professor attended Faculty Development Program on "Android Application Development Using Kotlin" during 18/04/2022 to 22/04/2022 organized by HKBK college of Engineering, Bangalore.
- ❖ Dr. Sanjeev Kunte R, Professor and Head attended one week Faculty Development Program on 5-Day Live Bootcamp on "Google Cloud Platform" 04/05/2022 to 08/05/2022.
- ❖ Dr. Deepa V. B., Assistant Professor attended one week Faculty Development Program on "Mathematics for Data Science" organized by Acharya Institute of Technology, Bangalore, during 09/05/22 to 13/05/2022.
- ❖ Dr. Sanjeev Kunte R., Professor and Head attended one week Faculty Development Program on "Mathematics for Data Science" organized by Acharya Institute of Technology, Bangalore, during 09/05/2022 to 13/05/2022.
- ❖ Mr. Sathyanarayana K. B, Assistant Professor participated in training program on "Java Full Stack Top Up" by Talent Next organized by Wipro talent next, held during 13/06/2022 to 24/06/2022.
- ❖ Ms. Rashmi R., Associate Professor and Dr. Pavan Kumar M. P., Associate Professor attended one week Faculty Development Program on "Applications of Machine Learning" held at Yashoda Technical Campus, Faculty of Engineering, Department of Computer science and Engineering, in association with ISTE, New Delhi, held during 22/08/2022 to 26/08/2022.
- ❖ Dr. Samara Mubeen, Assistant Professor, attended one week Faculty Development Program on "Applications of Machine Learning" held at Yashoda Technical Campus, Faculty of Engineering, Department of Computer science and Engineering, in association with ISTE, New Delhi, held during 22/08/2022 to 26/08/2022.



- ❖ Mr. Sayed Aftab Ahamed, Assistant Professor, Mr. Akshay M. J., Assistant Professor, Mr. Chethan G. S., Assistant Professor and Mr. Pavan M., Assistant professor successfully completed one week Faculty Development Program on “Designing and Modelling of IoT, AI & ML Systems” organized by Arm Education and ST Microelectronics held at 01/08/2022 to 05/08/2022.
- ❖ Mr. Vishwas C. G. M., Assistant Professor attended one week Faculty Development Program on the topic “Smart Tools and Methodologies for Academic Research” held at Mahatma Gandhi Institute of Technology, Hyderabad (ONLINE) during 01/08/2022 to 05/08/2022.
- ❖ Mr. Sayed Aftab Ahamed, Assistant Professor, Mr. Akshay M. J., Assistant Professor, Mr. Chethan G. S., Assistant Professor, Ms. Suchethana H. C., Assistant Professor and Ms. Prathima L., Assistant Professor successfully completed one week Faculty Development Program on “Applications of Machine Learning” held during 22/08/2022 to 26/08/2022, held at Yashoda Technical Campus, Faculty of Engineering, Department of Computer Science and Engineering, in association with ISTE, New Delhi.
- ❖ Mr. Sathyanarayana K. B, Assistant Professor participated in training program on “AI & ML” conducted by Talent Next, organized by Wipro talent next, held during 05/09/2022 to 09/09/2022.
- ❖ Ms. Sowmya G. V., Assistant Professor, attended Short Term Training Program on “An Overview of Teaching Techniques in Data Science and Analytics” organized by VTU Human Resource Development Cell (VTU - HRDC) Centre for Post-Graduation Studies, VIAT, Muddenahalli, Chikkaballapur during 25/09/2022 to 29/09/2022.

### **STUDENTS ACHIEVEMENTS:**

- ❖ Mr. Suraksha S. Nayak of 5<sup>th</sup> semester has participated in Technical Paper presentation event secured 2<sup>nd</sup> place under the banner of SPECTRUM- 2022, the event was hosted by ECE department, JNNCE, Shivamogga during the month of May 2022.
- ❖ Ms. Yashaswini K. J. of 5<sup>th</sup> semester actively participated in Technical Quiz event as a part of TECH-ARORA-2022 A division level technical fest held at PES Institute of Technology and Management, Shivamogga during 22/06/2022 and 23/06/2022.
- ❖ Ms. Yashaswini K.J. and Mr. Suraj S M of 5<sup>th</sup> semester participated in Yuva Dasara-2022 and won 1<sup>st</sup> prize in District level Dance competition held on 29/09/2022. The event was organized by Mahanagara Palike, Shimoga.
- ❖ Ms. Yashaswini K. J. of 5<sup>th</sup> semester participated in classical solo Dance event and secured 1<sup>st</sup> place organized by Cultural Crew of Jawaharlal Nehru New College of Engineering, Shivamogga held in the academic year 2021-2022.
- ❖ Ms. Yashaswini K. J. and Mr. Suraj S. M. of 5<sup>th</sup> semester participated in group dance event and secured 1<sup>st</sup> place organized by Cultural Crew of Jawaharlal Nehru New College of Engineering, Shivamogga held in the academic year 2021-2022.
- ❖ Mr. Suraj S. M. of 5<sup>th</sup> Semester participated in Western Solo event and secured 1<sup>st</sup> place organized by cultural crew of Jawaharlal Nehru New College of Engineering, Shivamogga held in the academic year 2021-2022.

- ❖ Ms. Sindhu M. R. of 3<sup>rd</sup> semester secured 2<sup>nd</sup> prize in throw ball competition held in connection with first year Inter-sports meet for the year 2021-2022.
- ❖ Mr. Pannaga P. Raj of 3<sup>rd</sup> semester participated in Freestyle (Dance) event and secured 3<sup>rd</sup> place organized by Cultural Crew of Jawaharlal Nehru New College of Engineering, Shivamogga held in the academic year 2021-2022.



Webinar on "Block Chain Technology in Health Care Sector" on 29/04/2022. The resource person for this workshop was Mr. Deepak S. N., Validation Analyst Lead, Claria (BioClinica) Bangalore.



Placement Training Program on "C programming skills" held on 20/5/2022 to 21/5/2022. The resource persons for this training program were Dr. Deepa V. B., Assistant Professor and Mr. Sudeep Manohar, Assistant professor, Department of ISE.



Nine days Student Development Program on "Computer Networks and Microcontroller & Embedded Systems" from 11/08/2022 to 19/08/2022. The resource person for this workshop was Mr. Girish Mantha, Assistant Professor and Chethan G. S., Assistant Professor, Department of ISE.



One day workshop on "How to create Java Package" on 22/07/2022. The resource person for this workshop was Mr. Pradeep H. K., Associate Professor and Mr. Sathyanarayana K. B., Assistant Professor, Department of ISE.



One week Student Development program on "Hands on session on Operating System and Hardware Components" From 06/06/2022 to 11/06/2022. The resource person for this workshop was Mr. Anil Kumar, Instructor, Department of ISE.



Mr. Sudeep Manohar, Assistant Professor, invited at NMAMIT College, Nitte, Mangalore, as a resource person for the Faculty Development Program "What makes Drone fly - Cyber Physical Systems" on 28/09/2022.



## DEPARTMENT OF PHYSICS

### EVENTS CONDUCTED:

- ❖ Department of Physics successfully completed the student induction program for 2<sup>nd</sup> Sem students of 2021-22 batch.

### PAPER PUBLICATIONS:

- ❖ Dr. Ananth S. Nayak, Asst. Professor presented the paper entitled "Measurement of Rn222 Concentration in Soil Gas in the Environs of Shivamogga Taluk, Karnataka, India" in the National Conference on "Recent Trends in Applied Science" organized by Department of Basic Science, PES Institute of Technology and Management, Shivamogga, India, in association with IQAC & ISTE held on 8/06/2022.
- ❖ Dr. Anandaram B. N., Professor & Head presented the paper entitled "Ambient Gamma Radiation level around Tail end of Kaveri River Basin, Karnataka" in the National Conference on "Recent Trends in Applied Science" organized by Department of Basic Science, PES Institute of Technology and Management, Shivamogga, India, in association with IQAC & ISTE held on 8/06/2022.
- ❖ Dr. Rajprakash H. G., Assoc. Professor presented the paper entitled "Synthesis, Characterization, and AC Studies of Magnesium Ferrite / Niobium Oxide (MgFe<sub>2</sub>O<sub>4</sub>-Nb<sub>2</sub>O<sub>5</sub>) Nano Composite at Room Temperature", in the National Conference on "Recent Trends in Applied Science" organized by Department of Basic Science, PES Institute of Technology and Management, Shivamogga, India, in association with IQAC & ISTE held on 8/06/2022.
- ❖ Dr. Rajprakash H. G., Assoc. Professor presented the paper entitled "Studies on Linear and Nonlinear Optical Properties of Metal Doped Vanadium Pentoxide Semiconductor Nanostructured Thin Films", in the National Conference on "Recent Trends in Applied Science" organized by Department of Basic Science, PES Institute of Technology and Management, Shivamogga, India, in association with IQAC & ISTE held on 8/06/2022.

### FDP / WORKSHOP / STTP ATTENDED BY FACULTY:

- ❖ Dr. Ananth S. Nayak, Asst. Professor participated as a resource person and delivered a Talk on "The Amazing World of Science", at D.R.M. Science Degree College, Davaangere, on 16/08/2022.
- ❖ Dr. Ananth S. Nayak, Asst. Professor, Dept. of Physics, completed a four-month online course titled "Classical Electromagnetism-2", offered by IIT Kanpur, during 1/08/2022 to 30/12/2022.

## DEPARTMENT OF CHEMISTRY

### EVENTS CONDUCTED:

- ❖ Department has organized two-day workshop on "How to Crack CET/COMED-K" for PU students from Shimoga district, during 6/7/2022 to 7/7/2022.
- ❖ Mr. Guruprasad A. M., Research Scholar, Dept. of Chemistry, completed his Ph.D. degree under the guidance of Dr. Sachin H. P., Assoc. Professor on 23-07-2022.



Ph.D. defense of Mr. Guruprasad A. M., Research Scholar, Dept. of Chemistry under the guidance of Dr. Sachin H. P. on 23/07/2022

### ACHIEVEMENTS OF FACULTY:

- ❖ Dr. Moinuddin Khan M. H., Professor & Head nominated as BOS member for Department of Science and technology, Kuvempu University for the academic year 2021 to 2023.
- ❖ Mr. Kaveesha S. S., Research Scholar completed his Ph.D. Degree under the guidance of Dr. Moinuddin Khan M. H., Professor & Head on 24/06/2022.
- ❖ Mr. Chethan S. G., Asst. Professor has been awarded with best project of the year August 2022 by KSCST.

### PUBLICATIONS:

- ❖ Ms. Bindu Pavan V., Asst. Professor, Dr. Manjappa S., Professor, Dr. Moinuddin Khan M. H., Professor & Head, Dr. Sachin H. P., Assoc. Professor and Dr. Suresh B. Assoc. Professor published a paper titled "Cyclic Dissimilarity in Physico-Chemical Variables in Groundwater Quality of Honnali Taluk, Davanagere District, Karnataka, India", in International Journal of Multidisciplinary Research and Growth Evaluation, 10/04/2022, ISSN 2582-7138.
- ❖ Ms. Jyothi C. Abbara, Research Scholar, Ms. Swetha G. A., Research Scholar, Dr. Sachin H. P., Assoc. Professor published a paper titled "Impact of an Expired Hemorheological Drug on The Mitigation of Zinc Corrosion In Acidic Environment: Insights from Chemical, Electrochemical, and Surface Evaluation", in Colloids and Surfaces A: Physicochemical and Engineering Aspects, 20/06/2022, <https://doi.org/10.1016/j.colsurfa.2022.129518>.



## DEPARTMENT OF MATHEMATICS

### EVENTS CONDUCTED:

- ❖ Dr. Nirmala T., Professor & Head and Pandith Giri Mohan Das P. K., Asst. Professor organized SDP on "Numbers, Mixtures, Ages, Simple Interest and Compound Interest", during 23/07/2022 to 24/07/2022.
- ❖ Dr. Nirmala T., Professor & Head and Pratham Gujjar, student organized the SDP on "Applications of Mathematics" for students on during 10/08/2022.
- ❖ Mr. Anil S. C., Asst. Professor and Sri. Sridhar Adiga, Assoc. Professor organized the "Parent Teacher Meeting" for first year students on 27/08/2022.

### CERTIFICATION COURSES BY THE FACULTY:

- ❖ Dr. Nirmala T., Professor & Head and Dr. Krishnamurthy M. R., Asst. Professor attended the One-Week Online Teachers Training Program on "An Overview of Teaching Techniques in Computational Fluid Dynamics" organized by VTU during 09/05/2022 to 13/05/2022.
- ❖ Mr. Anil S. C., Asst. Professor attended the certification course on "Game-Theoretic Solution Concept with Spread Sheets" under CourseEra held on 21/05/2022.
- ❖ Dr. Gurupadavva Ingalahalli, Asst. Professor attended the certification course on "Game-Theoretic Solution Concept with Spread sheets" under CourseEra held on 01/06/2022.
- ❖ Mr. Anil S. C., Asst. Professor, Ms. Shaila S. Bhat, Asst. Professor and Dr. Gurupadavva Ingalahalli, Asst. Professor attended the certification course on "Introduction to Data Analysis using Microsoft Excel" under CourseEra held on 17/06/2022.

### FDP / WORKSHOPS / STTPS ATTENDED BY FACULTY:

- ❖ Ms. Bhagyalakshmi K., Asst. Professor attended the 5 days FDP on "Technology Management in Education" Online Mode during 6/05/2022 to 12/05/2022.
- ❖ Mr. Anil S. C., Asst. Professor, Ms. Shaila S. Bhat, Asst. Professor, Ms. Bhagyalakshmi K., Asst. Professor and Dr. Gurupadavva Ingalahalli, Asst. Professor attended the 5 Days Online FDP on "Mathematics for Data Science" organized by the Department of Mathematics and Artificial Intelligence & Machine Learning, Acharya Institution of Technology, Bengaluru from 09/05/2022 to 13/05/2022.
- ❖ Ms. Shaila S. Bhat, Asst. Professor attended the FDP on "Ramanujan's Contribution to Number Theory and its Application" at Puttur, sponsored by VGST, KSTEPS during 3/8/2022 to 6/08/2022.
- ❖ Ms. Bhagyalakshmi K., Asst. Professor attended the National Level 21 Days FDP On "Technology Management in Education" Online Mode organized by SCROLLWELL during 12/09/2022 to 02/10/2022.
- ❖ Mr. Anil S. C., Asst. Professor, Ms. Bhagyalakshmi K., Asst. Professor and Dr. Gurupadavva Ingalahalli, Asst. Professor, attended the One Week Online Faculty Development Program on "Taking Research to Next Level" organized by Department of Mechanical Engineering & Department of Basic Science, Sri Venkateshwara College of Engineering, Bengaluru during 26/09/2022 to 30/09/2022.

### **PAPER PUBLICATIONS:**

- ❖ Dr. Nirmala T., Professor & Head published paper in international journal for Computational Methods in Engineering Science and Mechanics (Taylor and Francis) on "Carbon Nanotubes Suspended Dusty flow over Stretching Porous Rotating Disk with non-uniform Heat Source", Volume 21, Issue 3, Pages 11-19 on 8/8/2022.



## DEPARTMENT OF MANAGEMENT STUDIES

### EVENTS ORGANIZED:

- ❖ A One Day Management Event, 2nd "Malenadu Mela"- "Rural is Real" was held on 29/06/2022. The chief guests were Sri. Vishwanath Kuntavalli and Sri Nagabhushan. The Department had given a platform for rural entrepreneurs to market their products on the occasion. A conspectus documenting the interviews by the student teams with rural entrepreneurs was released on the occasion.
- ❖ The Department had organized its annual prestigious event, 6<sup>th</sup> Utthana-2K22, a State-level Intercollegiate UG Fest held on 13/07/2022. More than 1400 students from 42 UG colleges participated in 10 Management and Cultural events. Utthana-2K22 was inaugurated by the Chief Guest, Shamanth (Bro Gowda)
- ❖ A Student Paper Presentation Program on Business Management and Entrepreneurship 'Anveshan-2022' was held on 27/08/2022. Under the guidance of faculty as many as fifty-one students presented research papers and the proceedings was published with ISBN 978-81-95508-2-1.

### PAPER PUBLICATIONS:

- ❖ Dr. C. Srikanth, Director published a paper "Beta Analysis of Selected Indian Companies Shares- An Empirical Evaluation" in International Journal of Advance and Innovative Research, 2394-7780 (UGC)
- ❖ Dr. C. Srikanth, Director published a paper, "The Evaluation of Physical Evidences in Virtual Learning System" in International Journal of Advance and Innovative Research, 2394-7780(UGC)
- ❖ Dr. C. Srikanth, Director published a paper, "A Study on Online Teaching-Learning Experience" in International Journal of Advance and Innovative Research, ISSN 2394-7780(UGC)
- ❖ Dr. C. Srikanth, Director published a paper, Traversing the Pandemic: A Study of Competitive Advantage Gained with Sustainable Management Practices, in International Journal of Advance and Innovative Research, ISSN 2394-7780 (UGC)
- ❖ Dr. C. Srikanth, Director published The Evaluation of Physical Evidence in Virtual Learning System in International Journal of Advance and Innovative Research, ISSN 2394-7780 (UGC)
- ❖ Dr. Santosha, Associate Professor published a paper, "Role of Seva Prathinidhis as Informed Intercessories towards Asset Formation in the Post Covid Era" in International Journal of Advance and Innovative Research, Indian Academicians and Researchers Association, on 05-04-2022, 9-2 61-73, ISSN 2394 -7780 (UGC)
- ❖ Dr. Santosha, Associate Professor published a paper, A Conceptual Study on Role of Farmer Producer Organization in Measurement, Evaluation and Enhancement of Sustainable Agricultural Effectiveness in International Journal of Advance and Innovative Research Indian Academicians and Researchers Association on 05-04-2022 9-2 111-114, ISSN 2394 -7780. (UGC)
- ❖ Smt. C. K. Anuradha, Assistant Professor & Dr. Santosha, Associate Professor published a paper, "A Conceptual Study on Role of Farmer Producer Organization in Measurement, Evaluation and Enhancement of Sustainable Agricultural Effectiveness, International Journal of Health Sciences", ISSN 2990-2995. (Scopus)

- ❖ Dr. D. K. Vikrama, Assistant Professor & Dr. Subhadra P. S., Assistant Professor published a paper, "A Study on Rural Tourism Problems and Prospects in Malnad Region of Karnataka State". Journal of The Asiatic Society of Mumbai, ISSN:0972-0 766 Vol. XCV, No.11, 2022. (UGC)
- ❖ Dr. D. K. Vikrama, Assistant Professor & Dr. Subhadra P. S., Assistant Professor published a paper, Problems and Prospects of Digital Marketing in Rural Tourism with Special Reference to Karnataka State, India. Kanpur Philosophers, ISSN 2348-8301 International Journal of humanities, Law and Social Sciences Published biannually by New Archaeological & Genological Society Kanpur India, Vol. IX, Issue I No.6: 2022, (UGC)
- ❖ Dr. Subhadra P. S., Assistant Professor & Dr. D. K. Vikrama, Assistant Professor published a paper, "A Critical Insight into the Art and Science of Spirituality and Management in Bhagavad Gita" Webology (ISSN: 1735-188X) Volume 18, Number 6, November 2021, Pages- 4967-4974 (Scopus).
- ❖ Dr. Srinivasa Murthy B. V., Assistant Professor published a paper, "Role of MSMEs in Propelling Economic Development - A Case Study of Shivamogga District, Karnataka, India.", International Journal of Mechanical Engineering, Kalhari Journals (Scopus) ISSN 0974-5823.
- ❖ Dr. Srinivasa Murthy B. V., Assistant Professor published a paper, "Growth and Effectiveness of Digital Food Services on Restaurants Business in Bengaluru" in International Journal of Advance & Innovative Researc, ISSN 2394-7780(UGC)
- ❖ Dr. V. Vikram, Assistant Professor published a paper, "A Conceptual Study on Traditional Supply Chain Management and Green Supply Chain Management" in International Journal of Advance and Innovative Research, ISSN 2394 -7780. (UGC)
- ❖ Dr. V. Vikram, Assistant Professor published a paper, "A Study on Newspaper Industry Supply Chain Risk, Challenges and Control Needed to Sustain in the Digital Era", International Journal of Research in Business Studies, ISSN 2455-2992. (UGC)
- ❖ Mr. Praveen Kumar B. H., Assistant Professor published a paper, "Impact of Digital Technology on Performance of Public and Private Sector Banks in India" in International Journal of Advance and Innovative Research , ISSN 2394 -7780. (UGC)
- ❖ Mr. Praveen Kumar B. H., Assistant Professor published a paper, "An Analysis of Financial Performance of Selected Cooperative Banks of Malnad Region, Karnataka" International Journal of Advance and Innovative Research, ISSN 2394 -7780. (UGC)

#### **CONFERENCE PAPER PRESENTED:**

- ❖ Dr. Subhadra P. S., Assistant Professor "The Effect of Artificial Intelligence on the Job Base in the Banking Sector", at One Day National Level Conference on "Digi Banking Trends - 2022" organized by Department of Commerce, Sona College of Arts and Science, Salem on 29th April 2022.

#### **BOOK PUBLISHED:**

- ❖ Smt. Anuradha C. K., Assistant Professor authored a book titled "Management and Organizational Behavior" published by Himalaya Publishers with ISBN 978-83-5435-181-4.



### **FDP ATTENDED & CERTIFICATION COURSES COMPLETED:**

- ❖ Dr. Vikrama D. K., Assistant Professor completed AICTE Approved 8-week ATAL - FDP on Introduction to Marketing Essentials from 25/08/2022 to 25/09/2022.
- ❖ Dr. Vikrama D. K., Assistant Professor completed AICTE Approved 8-week ATAL - FDP on Developing Soft Skills and Personality from 25/08/2022 to 25/09/2022.
- ❖ Dr. Vikrama D. K., Assistant Professor successfully completed a Certification Course, "Getting Started with Power BI Desktop" Course Era on 31/05/2022.
- ❖ Dr. Vikrama D. K., Assistant Professor completed Certification Course on "Overview of Data Visualization" in Course Era on 07/06/2022.
- ❖ Dr. Vikrama D. K., Assistant Professor completed Certification Course on "Building a Business Presence with Facebook Marketing" in Course Era 01/06/2022 to 02/06/2022.
- ❖ Dr. Vikram V., Assistant Professor successfully completed Part One of the online UHV Refresher FDP organized by All India Council for Technical Education (AICTE) Online from 25/04/2022 to 29/04/2022.
- ❖ Mr. Praveen Kumar B. H., Assistant Professor successfully completed an eight-day FDP on "Techniques for Research and Publishing in Management and Social Sciences" organized by Reva University, Bangalore Department for Promotion of Industry and Internal Trade, Ministry of Commerce on 22/08/2022 to 30/08/2022.
- ❖ Mr. Praveen Kumar B. H., Assistant Professor completed FDP on "Two Week Interdisciplinary Refresher Course on Research Methodology and Data Analysis" from 16/09/2022 to 30/09/2022.
- ❖ Dr. G. P. Nagesh, Assistant Professor attended an online FDP on "Understanding Cryptocurrency and Blockchain Technology" Bengaluru-Virtual FDP jointly organized by Stockbyte and Research Foundation of India from 23/05/2022 to 27/05/2022.
- ❖ Dr. G. P. Nagesh, Assistant Professor participated in FDP, "Art of writing Research paper- Methods and Solutions" from 24/09/2022 to 30/09/2022.
- ❖ Dr. G. P. Nagesh, Assistant Professor participated Case writing Workshop in Nitte Meenakshi Institute of Technology, Bengaluru on 18/06/2022.
- ❖ Dr. Harsha C. Mathad, Assistant Professor attended an online FDP on Cryptocurrency, Blockchain & Cyber Security from 12/09/2022 to 16/09/2022.

### **OUTSIDE WORLD INTERACTION:**

- ❖ Dr. C. Srikanth, Director delivered an expert talk on "Customer Relationship Management" and "Financial Modelling" in GFGC Rippanpet on 07/06/2022.
- ❖ Dr. Subhadra P.S, Assistant Professor has been the Member of Editorial Committee, Journal of Gender Education and Society (ISSN: 2957-4137). Center for Academic & Professional Career Development and Research (CAPCDR).
- ❖ Dr. Santosha, Associate Professor took part as the Session Chair at a Conference organized by GFGC, Rippanpet held on 05/04/2022 & 05/04/2022.
- ❖ Dr. Subhadra P. S., Assistant Professor delivered an expert talk on "Effective Communication for Effective Teaching" at Vishnugupta Vishwa Vidyapeetham, Gokarna, Uttara Kannada.

- ❖ Dr. Subhadra P. S., Assistant Professor Expert Talk Resource Person for National level Teachers' Training organized by NIOS National Institute of Open Schooling 01/07/2022 to 02/07/2022.
- ❖ Dr. Vikram V., Assistant Professor delivered a talk on "Research, Innovation and Start Ups" in "Impact Lecture Series" organized by Sheshadripuram Institute of Management Studies held on 27/07/2022.
- ❖ Dr. Vikram V., Assistant Professor delivered Expert Talk on Research Innovation & Startups in Institution Innovation Cell JNNCE Shimoga on 27/07/2022.
- ❖ Dr. Subhadra P. S., Assistant Professor has been the Resource person, delivered on "Effective Communication for Effective Teaching" for a National level Training Program NIOS-National Institute of Open Schooling, 01/07/2022 & 02/07/2022.
- ❖ Dr. Vikram V., Assistant Professor delivered a talk on "Research & Report Writing: Project Preparedness for BBA Students" at NESIAS, Shivamogga.

### **STUDENT PUBLICATIONS:**

- ❖ Mr. Jayanth, under the guidance of Dr. G. P. Nagesh presented a paper, "A Study of GST Relief on Health Care Sector and Performance Analysis of Selected Industries in India during Covid-19" at National level conference, ESPLORO-2022, RNSIT, Bengaluru held on 07/07/2022.
- ❖ Mr. Shakir, under the guidance of Dr G.P Nagesh presented a paper, "Impact of Foreign Exchange Fluctuations on Indian Stock Market: A Study", at National level conference, ESPLORO-2022, RNSIT, Bengaluru held on 07/07/2022.

### **TRAINING AND PLACEMENT:**

- ❖ A Special Placement Training was administered to 4th Semester students delivered by Seventh Sense Talent Solutions, Bangalore. from 10th, 11th & 12th May A Special Training Program on Personality Development was delivered by Ms. Deepika, San Diego, an alumna of the department was held 13-05-2022.
- ❖ No. of Students placed through campus recruitment is 65 and the Top Recruiters are Indiamart, Practo, ICICI Prudential, SKLR Edutech Pvt. Ltd., Seven Sense, Piramal, Venus, Airtel, Pinclick, Intellipat, Workforce Logiq, Upskills, HFFC, Cloud Analogy

### **STUDENT PAPER PUBLICATION:**

- ❖ Ms. Chitra K.B, IV Semester MBA, presented a paper, "Employees' and Customers' Adaptability of Digital Banking in Rural India: A Study with Special Reference to Shivamogga District, Karnataka" in One Day National Level Conference on "Digi Banking Trends - 2022" Department of Commerce, Sona College of Arts and Science, Salem, 29/4/2022.
- ❖ Ms. Harshitha K.M, IV Semester MBA, presented a paper, "Employees' and Customers' Adaptability of Digital Banking in Rural India: A Study with Special Reference to Shivamogga District, Karnataka" in One Day National Level Conference on "Digi Banking Trends - 2022" Department of Commerce, Sona College of Arts and Science, Salem, 05/29/2022.



- ❖ Ms. Nityashree H.S, IV Semester MBA presented a paper, Employees', and Customers' Adaptability of Digital Banking in Rural India: A Study with Special Reference to Shivamogga District, Karnataka in One Day National Level Conference on "Digi Banking Trends – 2022" Department of Commerce, Sona College of Arts and Science, Salem, 05/29/2022.
- ❖ Ms. Ranjitha Prasad, IV Semester MBA, presented a paper, in "The Perceived Satisfaction and Work Life Balance among the Bank Employees in the Era of Digital Banking: A Study with Special Reference to Shivamogga District." in One Day National Level Conference on "Digi Banking Trends – 2022" Department of Commerce, Sona College of Arts and Science, Salem, 05/29/2022.
- ❖ Shwetha M.S, IV Semester MBA presented a paper, "The Perceived Satisfaction and Work Life Balance among the Bank Employees in the Era of Digital Banking: A Study with Special Reference to Shivamogga District." in One Day National Level Conference on "Digi Banking Trends – 2022" Department of Commerce, Sona College of Arts and Science, Salem, 05/29/2022.
- ❖ Soniya S, IV Semester MBA, presented a paper, "The Perceived Satisfaction and Work Life Balance among the Bank Employees in the Era of Digital Banking: A Study with Special Reference to Shivamogga District." in One Day National Level Conference on "Digi Banking Trends – 2022" organized by Department of Commerce, Sona College of Arts and Science, Salem, 05/29/2022.
- ❖ Mr. Deepak P. participated in a webinar, "How to Prepare for Software Interviews Bootcamp" on 02/04/2022.



Inauguration of Utthana-2K22 by Shamanth (Bro Gowda)



Cultural Events-Utthana-2K22



Inauguration of Malenadu Mela-2022 by the dignitaries



## DEPARTMENT OF MCA

### EVENTS CONDUCTED:

- ❖ Department has Organized two-day online PG CET Workshop on 29/09/2022 to 30/09/2022. The event was coordinated by Dr. Raghavendra S. P., Assistant Professor. It is a student's development program for MCA Aspirants to crack PG CET 2021 and to secure lower rank and can excel their carrier in Post-Graduation.

### RESOURCE PERSONS:

- ❖ Dr. Sankhya Nayak, Associate Professor delivered a talk on "Analytical Ability and Logical Reasoning" on 29/09/22.
- ❖ Dr. Prabhudeva S., Professor delivered a lecture on "Boolean Algebra on 29/09/22.
- ❖ Sandhya R, Associate Professor delivered the talk on "Probability and Statistics "on 29/09/2022.
- ❖ Mr. Manjunatha H. T., Assistant Professor delivered a lecture on "Binary Arithmetic and Trigonometry" on 30/09/2022.
- ❖ Mr. Arun Kumar K. L., Assistant Professor delivered the talk on "Programming Languages" on 30/09/2022.
- ❖ Mr. Prashanth A., Assistant Professor delivered the talk on "General English "on 30/09/2022.

### ONLINE CERTIFICATION COURSES:

- ❖ Mrs. Sandhya. R., Associate Professor has done certificate course on Python for Data science NPTEL.
- ❖ Dr. Sunitha G. P., Associate Professor has completed the certificate course and topper on IOT NPTEL.
- ❖ Mr. Prashanth, Ankalkoti, Assistant Professor has completed online course on Programming for Everybody (Python)" from 05/03/2022 to 31/03/2022 in CourseEra certifying authority.
- ❖ Mr. Prashanth Ankalkoti, Assistant Professor has completed online course on "Programming for Everybody (Python)" from 05/03/2022 to 31/03/2022 in CourseEra certifying authority.

### FDP / WORKSHOPS / STTPS ATTENDED BY FACULTY:

- ❖ Mr. Prashanth Ankalkoti, Assistant Professor has attended ATAL FDP on "Introduction to Deep Learning" conducted by UVCE, Bangalore, from 20/12/2021 to 24/12/2021.
- ❖ Dr. Sunitha G. P., Associate Professor has completed UHV - Refresher Part - I FDP in 02/03/2022.
- ❖ Mr. Prashant Ankalkoti, Assistant Professor has completed Training Program on "Education Exchange E2: Educators Track" conducted by Microsoft Education Learn from 15/3/2022 to 16/03/2022.
- ❖ Mr. Prashanth Ankalkoti, Assistant Professor has attended ATAL FDP on "Introduction to Deep Learning" conducted by UVCE, Bangalore, from 20/04/2022 to 24/04/2022.
- ❖ Mr. Prashant Ankalkoti, Assistant Professor has completed Course on "Introduction to Research Methodology" sponsored by UpGrad on 01/05/2022 to 09/05/2022.
- ❖ Mr. Prashant Ankalkoti, Assistant Professor has completed Course on "Software Engineering and Agile Software Development" sponsored by Infosys Springboard from 05/07/2022 to 12/07/2022.
- ❖ Mr. Prashant Ankalkoti, Assistant Professor has attended Webinar on "Open-Source Tools for Research & Development" conducted by Dept. of CSE, SJCIT, Chikkaballapur on 05/08/2022.



# DEPARTMENT OF SPORTS

## SPORTS ACHIEVEMENT



Throw ball Women team participated at VTU Central Karnataka zone Throw ball tournament held at KIT, Tiptur, during 7th & 8th June 2022. Secured Third place.



Cricket Men team participated at VTU Central Karnataka zone Cricket tournament held at CIT, Gubbi during 18th & 20th June 2022. Secured First place.



Handball Men team participated at VTU Central Karnataka zone Handball tournament held at AIT, Chikkamagaluru during 22nd & 23rd June 2022. Secured Third place.



Chess Women team participated at VTU Rest of Bengaluru zone Chess tournament held at SJMIT, Chitradurga during 22nd & 23rd June 2022. Secured 5th place.



Chess Women team participated at VTU Rest of Bengaluru zone Chess tournament held at SJMIT, Chitradurga during 22nd & 23rd June 2022.



Athletic Men & Women team participated at VTU Single zone Athletic Meet held at SJBIT, Chikkaballapura, 27th to 30th Jun 2022.



## EVENTS ORGANIZED



First year inter section sports meet 2022 was organized during 1<sup>st</sup> April to 30<sup>th</sup> April 2022 & First year PG Sports Meet 2022 was organized during 4<sup>th</sup> Mat to 7<sup>th</sup> May 2022



Staff Sports meet 2022 was organized during 11<sup>th</sup> May to 27<sup>th</sup> May 2022



JANVEY Sports Day, first year inter section sports meet, PG Sports meet & Staff Sports meet prize distribution function was organized on 2<sup>nd</sup> July 2022



