Department of Computer Science & Engineering

STAFF ACTIVITIES & ACIEVEMENTS

Academic Year 2022-23

Staff Recognition & Awards:

1. Mr. Shrikant Jogar (Asst. Prof. Dept. of CSE) received a **"Most Accomplished Spoken Tutorial Educator Resource – MASTER"** Award 2023 from IITB on 4th March 2023 in the award ceremony held at VMCC, IIT Bombay for his exemplary contribution in implementing Spoken Tutorial Project of IITB.

2. Prof. Shrikant Jogar has received a certificate of appreciation from NPTEL IITM for his instrumental role as SPOC for SWAYAM-NPTEL Local Chapter for the period Jan –April 2023.

3. Prof. Arunkumar Joshi has received a certificate of appreciation from NPTEL IITM in recognition of his role as a Mentor for the NPTEL Online Certification Course "Computer Networks & Internet Protocol" for the period Jan-April 2023.

Projects Recognition / Awards:

1. Four final year students' projects have got selected for KSCST Sponsorship for the AY 2022-23 from CSE Dept with a total grant of Rs. 19,000/-.

Sl. No.	Project Name	Project Guide	Students Name	Amount
1	CHATURA SURAKSHA KAVACHA - THE SMART SAFETY HELMET FOR MINE WORKERS	MR. NAGARAJ TELKAR	JAGADISH K ARALI BHUVANESHWARI B S RAVINDRAGOUDA B SHANTVEERESH V S	4,000.00
2	ABHINAVA SINCHANAM	MR. ANEEL NARAYANPUR	MEGHARAJ BENTUR AISHWARYA VIJAPUR MALLIKARJUN GODI PRIYANKA KALE	5,000.00

3	IOT BASED SMART BILLING AND THEFT DECTION	MR. ANEEL NARAYANPUR	GURUPRASAD SHARANAPPA ULIGER SNEHA S B CHAITRA GURUNATH	5,000.00
4	VINETRA PARIJANA - SMART CANE AND GLASS FOR VISUALLY IMPAIRED PEOPLE	MR. NAGARAJ TELKAR	MS. AMBIKA MS. KAVERI M RYAVANAKI MR. PRATHAP M MR. RAHUL HARASHETTI	5,000.00

2. Final year project proposal entitled "KRISHIVANAM" carried out by Ms. Anjali, Ms. Sheetal, Mr. Manikantha & Mr. Vinayak under the guidance of Prof. Vikram Shirol, was shortlisted for IFERP - Project Competition and also participated in offline demonstration held at SRMIST, Ramapuram Campus Chennai held on 17th April 2023.

3. Awarded with State Level Best Project in 46th Series of KSCST Students Project Exhibition held at Alvas Engineering College Moodbidri on 11th & 12th Aug 2023, for the Project entitled: "Chatura Suraksha Kavach - The smart safety Helmet for mine workers" carried out by Mr. Jagadish Arali, Ms. Bhuvaneshwari, Mr. Ravendragouda & Mr. Shantaveeresh under the guidance of Prof.Nagaraj Telkar.

Workshops / FDPs / STTP Attended:

1. Mr. Shrikant Jogar, Mr. Basavaraj K M, Mr. Prakash Hongal, Mrs. Rajeshwari S G attended one week online FDP on "Incorporating Universal Human Values in Education" joint initiative of UGC & AICTE from 26th to 30th Sept 2022.

2. Mr. Shrikant Jogar attended 5 days online FDP on "IPR, Patents & Trademarks" organised by JSS Academy of Technology, Bangalore in association with CIPAM Ministry of Commerce & Industry, GoI from 12th to 16th Sept 2022.

3. Mr. Vikram Shirol succeffuly completed 8 weeks NPTEL certification course on "Computer Graphics" with Elite (Topper 5%) by clearing the proctored exam conducted by IIT Guwahati

4. Mr. Vikram Shirol attended One Day Unnat Bharat Abhiyan workshop on "Role of Higher Education Institutes in Rural Development" held on 26th Dec 2022 organised by Karnataka University Dharwad.

5. Mr. Aneel Narayanpur attended 5 Days National Level online FDP on "Patent Drafting & Filling Procedures" from 17th to 21st April 2023 organised by CMRIT Bangalore.

6. Mr. Nagaraj Telkar, Mr. Arunkumar Joshi, Mr. Vikram Shirol, Mr. Shrikant Jogar, Mrs Rajeshwari S G, Mr. Prakash Hongal, Mr. Basavaraj K M attended 5 Days online FDP on "Leveraging Research Challenges in Information Technology for Teaching Learning Process" during 3rd to 8th April 2023 organised by Presidency University Bangalore.

7. Mr. Nagaraj Telkar attended Google Educator Conclave held at Google, Bangalore Campus on 17th & 18th July 2023.

NPTEL Certification Courses done by Staff Members:

1. Prof. Shrikant Jogar has successfully cleared 12 weeks NPTEL Certification Course on "Computer Networks & Internet Protocol" for the period Jan-July 2023.

2. Mr. Vikram Shirol succeffuly completed 8 weeks NPTEL certification course on "Computer Graphics" with Elite (Topper 5%) by clearing the proctored exam conducted by IIT Guwahati

Seminar / Talks Delivered:

1. Mr. Aneel Narayanpur delivered a Technical Talk on "Machine Learning with Digital Fluency" at Uma Mahavidyalaya Degree College Laxmeshwar on 13th Feb 2023. More than 60 students participated in this event.

2. Awareness session on NPTEL courses & LinkedIn was delivered by Prof. Shrikant Jogar on 8th June 2023 for 2nd semester CSE students.

3. Prof. Shrikant Jogar delivered an informative session on NPTEL Course Awareness & Mentoring for Students on 3rd Aug 2023. More than 40 faculties / mentors of various departments attended this interactive session.

CSE Research Center / PhD Updates:

1. Mr Arunkumar Joshi successfully completed Open Seminar II as a part of his Ph. D degree on 28th Oct 2022 at SDMCET Dharwad (Research Center).

2. Mr. Vikram Shirol has registered for PhD program at Presidency University Bangalore in the department of computer science & engineering.

3. Mr. Vikram Shirol has successfully completed his 1st Doctoral Committee Meeting (as a part of his PhD program of Presidency University, Bangalore) on 23rd March 2023 in online mode.

4. Ms. Kavyashree admitted as a 1st research scholar to the Research Centre of CSE under the guidance of Dr. Parashuram Baraki for the AY 2022-23.

5. Prof. Arunkumar Joshi successfully completed pre-submission colloquium of his PhD work on 3rd May 2023 at SDMCET Dharawad Research Centre.

6. Mr. Arunkumar Joshi, Asst Professor, Dept of CSE has submitted his PhD Thesis at SDMCET Dharawad Research Centre under VTU.

7. 2nd Research Scholar has taken admission to CSE Research Centre under the guidance of Dr. Parashuram Baraki, Professor, Dept of CSE. Research Scholar Name: Mr. Prashant K, Asst Prof. PDIT, Hospet.

Papers Published & Presented in Journals & Conferences:

1. Dr. Parashuram Baraki has published paper entitled "A comparative analysis of paddy crop biotic stress classification using pre-trained deep neural networks" in Journal of Artificial Intelligence in Agriculture-6 (Sept 2022) pp: 167-175, 2589-7217 supported by Elsevier, available in ScinceDirect.

2. Dr. Parashuram Baraki has published paper entitled "FPGA – Based Secure & Noiseless Image Transmission Using LEA & Optimised Bilateral Filter" in Journal of Computer Science (Open Access Publication) 23(4) 2022, PP: 451-466.

3. Dr. Parashuram Baraki [4] has published a paper entitled "Deep Learning Techniques for Early Detection of Autism Spectrum Disorder – Systematic Study" in International Journal of Scientific Research in Science & Technology, ISSN: 2395-6011 / Online ISSN: 2395-602X (www.ijsrst.com), Volume 10, Issue 1, Jan-Feb 2023, Page No: 446-450.

4. Dr. Parashuram Baraki [4] has published a paper entitled "Machine Learning based Feature Selection Approaches for Early Prediction of Autism Spectrum Disorder – Review" in International Journal of Scientific Research in Science & Technology, ISSN: 2395-6011 / Online ISSN: 2395-602X (www.ijsrst.com), Volume 10, Issue 1, Jan-Feb 2023, Page No: 451-455

5. Prof. Arunkumar Joshi, Ms. Priyanka K M, Ms. Nanda H C, Ms, Meghana M M, Mr. Mohomadkhif Yalavagi presented a paper entitled "Pest Detection on Leaf using Image Processing" under, in International Conference IC-ICIC-2023, organized by SIET - Tumakur held on 5th May 2023

6. Mr. Nagaraj Telkar, Ms. Jyoti Warad, Ms. Bhuvaneshwari, Mr, Jagadish A, Mr. Ravindragouda B, Mr. Shantaveeresh V S have published a Project paper entitled Chatura Suraksha Kavacha - "The Smart Safety Helmet for Mine Workers" at IJSCSEIT-International Journal of Scientific Research in Computer Science, Engineering and

Information Technology, Ref: IJSRCSEIT/Certificate/Volume 9/Issue 3/8664 ISSN - 2456-33017, PP: 89-94, on 10th May 2023.

7. Mr. Shrikant Jogar, Mr. Nagaraj Telkar, Ms. Anusha R Y, Ms. Jayashree K S, Ms. Kavya S M, Mr. Mallikarjun S N have published a Project paper entitled Bharat Dal Suraksha - " To Aware the Life of Soldier" at IJSCSEIT-International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Ref: IJSRCSEIT/Certificate/Volume 9/Issue 3/8663 ISSN - 2456-3307, May 2023.

8. Mr. Shrikant Jogar, Mr. Nagaraj Telkar, Ms. Divyashree M S, Ms. Shridevi S M, Ms. Tanusha M L, Ms. Megha S K have published a Project paper entitled "ATEYA ANVESHANAM - Vehicle Crook Discoverer" at IJSCSEIT-International Journal of Scientific Research in Computer Science, Engineering and Information Technology", Ref: IJSRCSEIT/Certificate/Volume 9/Issue 3/8662 ISSN - 2456-3307, PP:16-22, May 2023.

9. Mr. Arun Kumbi, Ms. R Ruchita, Ms. Sangeeta M, Ms. Shreelaxmi Hebbar, Ms. Shweta S K have published a Project paper entitled "Vehicle Pollution Detection and Speed Reduction System Using RFID Technology" at IJSCSEIT-International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, Ref: IJSRCSEIT/Certificate/Volume 9/Issue 3/8662 ISSN - 2456-3307, PP: 95-102, on 11th May 2023.

10. Mr. Nagaraj Telkar, Mrs. Pallavi Hiremath, Ms. Ambika, Ms. Kaveri R, Mr. Pratap M, Mr. Rahul H have published a Project paper entitled " Vinetra Parijana - The Smart Cane and Smart Glasses for Visually Impaired People" at IJSCSEIT-International Journal of Scientific Research in Computer Science, Engineering and Information Technology*, Ref: IJSRCSEIT/Certificate/Volume 9/Issue 3/8662 ISSN - 2456-3307 on 10th May 2023.

11. Prof. Rajeshwari S G, Ms. Aishwarya Amargol, Ms. Pushpa D C, Ms. Varsha Pattanad, Ms. Kavya G K have published a paper entitled "Solar Vacuum Cleaner and Floor Cleaner" in International Journal of Research Publication& Reviews, Volume-4, Issue-5, ISSN: 2582-7421, May 2023.

12. Prof. Vikram Shirol, Mr. Vinayak M, Ms. Anjali M, Mr. Manikanth H & Ms. Sheetal K have published a paper entitled "Krishivanam – An Innovation to Prevent the Damages Caused by Fire & Wild Animals to the Agricultural Land" in International Journal of Scientific Research in Computer Science, Engineering & Information Technology, Volume-9, Issue-3, May-June 2023, ISSN: 2456-3307, UGC Journal No: 64718, PP: 121-127

13. Mr. Basavaraj K M, Mr. Nagaraj Telakr, Ms. Pooja B, Ms. Raksha Shet, Ms. Sheetal Naik, Mr. Vinay L P have published a paper entitled "Video Summarization using Deep Learning" in International Journal of Scientific Research in Computer Science, Engineering & Information Technology, Volume-9, Issue-3, ISSN: 2456-3307, May-June 2023.

14. Mr. Prakash Hongal, Mr. Arunkumar Joshi, Mr. Prasad Dani, Ms. Keerthi Jyoti, Mr. Sandeep Koravar have published a paper entitled "Smart City Automation Using IOT" in International Journal of Progressive Research in Engineering Management & Science, ISSN: 2583-1062, Vol-3, Issue-5, May 2023, pp: 894-898.

Staff Outside Interactions:

1. Mr. Arunkumar Joshi attended 19th Academic Board Committee meeting of Computer Science Engineering Department on 28th Sept 2022 held at BVVS Polytechnic (Autonomous) Bagalkot to implement C-21 Curriculum of 3rd & 4th Semester Syllabus as a member of BOS representative.

2. Dr. Parashuram Baraki, Vice Principal attended Inauguration of AI & ML Lab with IoT at PDIT Hospet as Special Invitee on 30th Dec 2022. Also got facilitated by Management of PDIT Hospet for his contribution as a Principal Investigator in getting a grant of Rs. 11 Lakhs from AICTE MODROB Scheme

3. Dr. Parashuram Baraki had given a session on "Modern Pedagogy for Industry 4.0 Perspective" as a resource person as a part of FDP on "Modern Teaching Pedagogy & Trends in ICT Based Learning with Advances in Technology & Industry 4.0 Perspective" organized by Association of Indian Universities & Presidency University, Bengaluru held during 20th to 27th Feb 2023.

Projects Recognition / Awards:

KSCST, Bengaluru Sponsorship – Total Rs. 16,000/-

1. Project entitled "IOT ENABLED SMART AGRO-SPRAYER USING SOLAR ENERGY", carried out by Ms. Poornima Medar, Ms. Annapurna Belamkar, Ms. Megha Malali & Ms. Preeti Patil under guidance of Mr. Nagaraj Telkar – Rs. 4,000/-

2. Project entitled "ACHAKSHUS-AN INNOVATIVE TECHNOLOGY FOR VISUALLY CHALLENGED AND BLIND PEOPLE", carried out by Ms. Vinaya Chekki, Ms. Madhu Goudar, Ms. Pallavi Beli & Ms. Varsha Matur under the guidance of Mr. Nagaraj Telkar – Rs. 4,000/-

3. Project entitled "KRISHI YANTRARORA - A MODERN AGRO-ROBOT" carried out by Ms. Radha Mati, Mr. Vijaykumar Kotur, Ms. Megha Ronad & Ms. Madhu Badiger under the guidance of Mr. Shrikant Jogar & Mr. Nagaraj Telkar. – Rs. 4,000/-

4. Project entitled "SMART CAR PARKING" carried out by Ms. Kavya, Ms. Ruchita S, Ms. Suman R H & Ms. Sushma Nekar under the guidance of Mrs. Rajeshwari S G. – Rs. 4,000/-

Selected for VTU Financial Assistance – Total Rs. 10,000/-

1. Project entitled "RAKSHA – The Smart Security System" carried out by Mr. Kirankumar B K, Mr. Prasad Salimath, Ms. Sahana Dodawad, Mr. Vishalkumar M B under the guidance of Mr. Arun Kumbi – Rs. 5,000/-

2. Project entitled "Hand Gesture Wheel Chair for Disabled" carried out by Ms. Jnaneshwari A Doddmani, Ms. Manikya H Hansabhavi, Ms. Preeti S Hiremath under the guidance of Mr. Prakash Hongal. – Rs. 5,000/-

Selected for KSCST State Level Project Exhibition

➢ Project entitled "Achakshus – An Innovative Technology for Visually Challenged and Blind People" has got selected for KSCST State Level Exhibition to be held at VTU Belagavi on 12th & 13th Aug 2022, carried out by Ms. Vinaya Chekki, Ms. Madhu Goudar, Ms. Pallavi Beli, Ms Varsha Mathur under the guidance of Mr. Nagaraj Telkar.

Project Exhibition

1. Institute level, Project Exhibition conducted with the support of IQAC on 15th July 2022. 16 Final year projects demonstrated before the Judges Dr. Rajashekhar (Assoc Prof, Dept ECE) & Mrs.   .

    Best two projects got selected are;

    ➤ Project entitled "IOT Based Smart Safety Wearable for Small Fry and Alzheimer's Patients" secured 1st prize, carried out by Ms. Nikhligouda, Mr. Girish K, Ms. Priyanka Hooli, Ms. Kavita Jakkali under the guidance of Ms. Priyanka M & Mr. Arunkumar Joshi.

    ➤ Project entitled "Rakshak - The Smart Security System" secured 2nd prize carried out by Mr. Kirankumar B K, Mr. Prasad S, Mr. Vishalkumar B, Ms. Sahana Dodawad under the guidance of Mr. Arun Kumbi.

FDP / STTPs Organised:

1. Organized 5 days online STTP on "Atma Nirbhar Bharat – Opportunities & Challenges" on 23rd to 27th May 2022 in collaboration with NITTTR Chandigarh. STTP Coordinator: Mr. Shrikant Jogar, Technical Coordinators: Ms. Jyoti Warad & Ms. Pallavi H.

Workshops / FDPs / STTP Attended:

1. Mr. Nagaraj Telkar & Mr. Aneel Narayanpur attended 5 Days online FDP on "Mathematics in Artificial Intelligence, Machine Learning & Deep Learning" from 1st to 5th Sept 2021 organised by KLEIT Hubballi.

2. Mr. Arunkumar Joshi, Mrs, Rajeshwai S G, Mr. Prakash Hingal & Mr, Vikram Shirol attended 5 days AICTE ATAL online FDP on "Outcome Based Education Curriculum & Examination Reforms" organised from 25th to 29th Oct 2021 by BVVS Polytechnic Bagalkot.

3. Mr Arunkumar Joshi, Mr. Shrikant Jogar & Mr. Vikram Shirol attended 5 days online AICTE ATAL FDP on "IOT & Human Computer Interface" from 8th to 12th Nov 2021 organised by NIT Goa.

4. Ms. Priyanka Mathapati attended 5 dyas on line ATAL AICTE FDP on "Smart City & IOT" organised by Tripura University, Agartala from 22nd to 26th Nov 2021.

5. Mr. Shrikant Jogar & Mr. Raghavendra Satpute attended NPTEL Awareness Workshop on 24th Nov 2021 organised by NSHM Knowledge City, Durgapur, West Bengal.

6. Mr. Nagaraj Telkar & Mr. Vikram Shirol attended 5 days online AICTE-VTU Joint Training program on "An Overview of Teaching Techniques in Innovation & Design Thinking" organised by VTU-HRDC PG Centre Muddenahalli from 27th to 31st Dec 2021.

7. Ms. Priyanka M & Mr. Aneel Narayanpur attended 3 days online FDP on "Outcome Based Education & Its Roadmap" organised by JIT Davanagere from 5th to 8th Jan 2022.

8. Mr. Nagaraj Telkar & Mr. Basavaraj K M attended One week online AICTE ATAL FDP on "Quantum Computing" organised by MIT Bhujbal Nashik from 3rd to 7th Jan 2022.

9. Mr. Aneel Narayanpur attended one-week online course on "Deep Learning" conducted by Simplilearn India (P) Ltd, Delhi from 31st Jan to 5th Feb 2022.

10. Mr. Basavaraj K M attended one week online FDP on "Research Essentials" organised by Chandigarh University from 31st Jan to 5th Feb 2022.

11. Mr. Aneel Narayanpur attended 1-week online course on Python for Machine Learning Hand-On conducted by GeateLearning Academy Delhi from 7th to 12th Feb 2022.

12. Mr. Aneel Narayanpur attended online certification course on "Excel for Beginners" from 14th to 19th Feb 2022 conducted by Great Learning Academy Delhi (from 6 pm to 7 pm daily).

13. Mr. Shrikant Jogar completed online courses on "Python Project for Beginners", "Introduction to R" and "Python for Beginners" from Great Learning Academy.

14. Ms. Priyanka Mathapati & Mr. Nagaraj Telkar attended one week online AICTE-VTU Joint Teachers Training Program on "An Overview of Teaching Techniques in Mathematics Laboratory Using Python Programming" organised by VTU-HRDC, PG Centre Muddenahalli from 21st to 25th Feb 2022.

15. Mr. Aneel Narayanpur attended online certification course on "Data Science with Python" conducted by Great Learning Academy, from 21st to 26th Feb 2022 (Daily 6 pm to 7 pm session).

16. Mr. Shrikant Jogar & Mr. Vikram Shirol attended online training on AZ-900: Microsoft Azure Fundamentals conducted by KOENIG Solutions from 17th to 19th Feb 2022 (3.00 pm to 5 pm sessions)

17. Mr. Nagaraj Telkar, Mr. Basavaraj K M, Ms. Priyanaka M, Mrs. Rajeshwari S G, Mr. Prakash Hongal & Mr. Vikram Shirol, attended NAAC sponsored national workshop on "Understanding the Revised Assessment and Accreditation Process" organised by IQAC – Sangola College on 10th March 2022.

18. Mr. Shrikant Jogar attended 6 days online AICTE – ISTE sponsored refresher course on "Design Thinking" organised by e-Learning Centre & VVCE Mysuru from 7th to 12th March 2022.

19. Mr. Aneel Narayanpur attended 5 days online FDP on "Artificial Intelligence & Edge Computing" organised by GIT Belagavi from 7th to 11th March 2022.

20. Mr. Aneel Narayanpur attended online training on "Neural Network with data Science "conducted by Great Learning Academy from 28th Feb to 5th March 2022 (Daily sessions from 6 pm to 7 pm)

21. Mr. Aneel Narayanpur attended one-month Python Programming Internship Course of Pantech e-Learning Chennai from 1st March to 30th March 2022 (at 7 pm to 8 pm daily)

22. Mr. Vikram Shirol successfully completed 4 weeks NPTEL Course on "Software Testing" (Equivalent to AICTE approved ½ Week FDP) with Elite Certification held during Jan-Feb 2022 conducted by IIT Kharagpur.

23. Mr. Nagaraj Telkar & Mr. Aneel Narayanpur attended two days' workshop on "RPA for Academic Leaders" held on 26th & 27th April 2022 organised by GIT Belagavi.

24. Mr. Aneel Narayanpur completed 30 days Internship on JAVA Programming conducted by Pantech e Learning from 11th April to 10th May 2022.

25. Mr. Mr. Vikram Shirol, Mr.Prakash Hongal, Mr. Nagaraj Telkar, Mr. Arun Kumbi, Mrs. Rajeshwari S G, Mr. Aneel Narayanpur, Mr. Basavaraj Muragod and Mr. Aditya D P attended 5 days online STTP on "Atma Nirbhar Bharat – Opportunities & Challenges" on 23rd to 27th May 2022 organized by NITTTR Chandigarh.

26. Prof.. Nagaraj Telkar attended one week online FDP (ID: MGITIOT189) on "Recent Trends in IOT" organised by Mahatma Gandhi Institute of Technology, Hydarabad from 6th to 10th June 2022.

27. Mr. Nagaraj Telkar & Mr. Arunkumar Joshi attended 5 days VGST Sponsored FDP on "Mathematical Foundation for Machine Learning" held at TCE Gadag from 1st to 5th Aug 2022.

28. Mr. Shrikant Jogar, Mrs. Rajeshwari S G, Mr. Prakash Hongal, Mr. Arun Kumbi, Ms. Jyoti Warad, Mrs. Pallavi Hiremath & Mr. Vikram Shirol attended 1 week AICTE recognised online STTP on "MATLAB & SIMULINK basics for Hardware Projects" organised by NITTTR Chandigarh, at remote centre SKSVMACET Laxmeshwar from 1st to 5th Aug 2022.

29. Mr. Vikram Shirol, Ms. Aishwarya Benni, Ms. Abhilashini Salimath, Ms. Kaver M, Ms. Bhargavi have presented a paper entitled "A Smart Kitchen Automation and Grocery Management System using IOT" in International Conference on Advances in Mechanical and Digital Technologies (ICAMDT 2022) organised by Sansnow's Nobel Professional Foundation, Approved by MSME & Ministry of Corporate Affairs, GOI, on 5th Aug 2022.

30. Mr. Aneel Narayanapur attended one week Online FDP on Research Methodology and Tools (RMT-2022). From22nd to 26tb August 2022 at ABES Engineering College, Ghaziabad, UP, India

NPTEL Certification Courses done by Staff Members:

Sl. No.	Staff Name	Dept	Course Title	Certification
1	Ms. Priyanka Mathapati	CSE	Database Management Systems – 8 Weeks	Elite
2	Mr. Shrikant Jogar	CSE	Design Thinking a Primer – 4 Weeks	Elite
		CSE	Enhancing Soft Skills and Personality – 8 Weeks	Elite
3	Mr. Vikram Shirol	CSE	Software Testing – 4 Weeks	Elite

Technical Talks Delivered:

1. Mr. Shrikant Jogar delivered an Informative talk on "Importance of NPTEL MOOC in Technical Education" organised by BVVS Polytechnic (Autonomous) Bagalkot on 11th Dec 2021 through Facebook Live in online mode from 10.30 to 11,30 am.

2. Mr. Vikram Shirol delivered a talk on VTU Regulations 2021 Draft Copy for 1st year students as a part of Induction Program on 21st Dec 2021 at 2.30 PM in Civil Seminar Hall.

3. On the occasion of National Girl Child Day, Ms. Priyanka Mathapati delivered a webinar on "Empowering Girls for a Brighter Tomorrow" on 24th Jan 2022 at 3 pm.

4. Mr. Shrikant Jogar delivered a talk on "Importance of MOOC in Higher Educational Institutions" as a part of awareness workshop organised by SKSVMACET NDLI Club on 19th Aug 2022 at 3.30 PM.

5.

PhD Updates:

1. Mr. Aneel Narayanpur has been registered for the part-time PhD under VTU at REC Hulkoti Research Centre under the guidance of Dr. S B Ullagaddi for the AY 2020-21.
2. Mr. Arunkumar Joshi Completed Open Seminar-1 for his Ph.D Work entitled "Development of Vehicle Recognition Technique for Traffic Monitoring" at SDMCET-Dharwad on 26th Aug 2022.

Papers Published & Presented in Journals & Conferences:

1. Mr. Vikram Shirol, Mr. Arunkumar Joshi, Mr. Shreekant Jogar, & Mrs. Rajeshwari S G have presented a research paper entitled "AI based Navigation System for Blind Person" in the 2nd International Conference on Emerging Trends in Materials, Computing and Communication Technologies (ICETMCCT) held on 9th & 10th Dec 2021 organised by Annai Vailankanni College of Engineering, Tamil Nadu. Also the paper has been published in International Journal of Scientific Research in Science, Engineering & Technology (IJSSET), Print ISSN: 2395-1990, Online ISSN: 2394-4099 (www.ijsrset.com), Volume 9, Issue 8, Page:854-871, 10th Dec 2021.

2. Mr. Prakash Hongal, Mr. Vikram Shirol, Ms. Manikya H (8th Sem CSE) published paper entitled "Secure ATM Transaction Using Face Recognition and OTP" in International Journal of Advance Research and Innovation Ideas in Education (IJARIIE), ISSN(O): 2395-4396, Paper Id:16900, Volume-8, Issue-3, 2022.

3. Technical paper entitled "Motion Capture Technology" has been published in International Journal IJARIIE by Mr. Prakash Hongal, Mr. Arunkumar Joshi, Ms. Jnaneshwari Doddamani (8th sem CSE), ISSN (O): 2395-4396, Volume-8, Issue-5, 2022, PP: 4347-4356

4. Prof. Nagaraj Telkar, Ms. Jyoti Warad, Ms. Madhu Goudar, Ms. Pallavi Beli, Ms. Varsha Mathur, Ms. Vinaya Chikki published paper entitled "Achakshus – An Innovative Technology for Visually Challenged and Blind People" in International Journal IJSRCSEIT, ISSN – 2456 – 3307, Volume-08, Issue-3, PP: 370-377, May-June 2022.

5. Prof. Nagaraj Telkar, Ms. Annapurna Belamkar, Ms. Megha Malali, Ms. Poornima Medar, Ms. Preeti Patil published paper entitled "IOT Enabled Smart Agro-Sprayer using Solar Energy" International Journal IJSRCSEIT, ISSN: 2456–3307, Volume-08, Issue-3, PP: 394-401, May-June 2022.

6. Prof. Shrikant Jogar, Prof. Nagaraj Telkar, Ms. Radha Meti, Ms. Megha Ranod, Ms. Madhu Badiger, Ms. Vijaykumar Kotur published paper entitled "Krishi Yantrarora – A Modern Agro Robot" in International Journal IJSRCSEIT, ISSN: 2456–3307, Volume-08, Issue-3, PP: 386-393, May-June 2022.

7. Prof. Nagaraj Telkar, Ms. Annapurna Belamkar, published paper entitled "Apache Spam Assassin" in International Journal IJSRCSEIT, ISSN: 2456–3307, Volume-08, Issue-3, PP: 378-385, May-June 2022

8. Mr. Vikram Shirol , Mr. Arunkumar Joshi, Ms. Poornima Gadavi Published a journal paper entitled "User A Survey on Role of 3D Printing in Medical Field " in the International Journal of Advanced Research in Science, Communication and Technology, ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022, P.no 662

9. Mr. Arunkumar Joshi, Mr. Prakash Hongal , Mr. Vikram Shirol , Ms. Arpita Kembhavi Published a journal paper entitled "5G Technology Architecture " in the IJARSCT, ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022, P.no 928

10. Mr. Arunkumar Joshi, Mr. Prakash Hongal , Mr. Vikram Shirol , Ms. Arpita Kembhavi Published a journal paper entitled "Significance of Virtual Reality in Knowledge

Transfer " in the International Journal of Advanced Research in Science, Communication and Technology, ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022, P.no 873

11. Mr. Arunkumar Joshi, Mr. Vikram Shirol , Ms. Aishwarya K, Published a journal paper entitled "User Behaviour Analysis of Volumetric Video in Augmented Reality " in the International Journal of Advanced Research in Science, Communication and Technology, ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022, P.no 9

12. Paper entitled "Smart Energy Meter for Efficient Energy Utilization and Billing" published by Mrs Rajeshwari S G, Ms. Kavya N K , Ms. Neelam Patil, Ms. Soumya Jalihal, Ms. Soundarya Barigali in International Journal IJARIIE, Volume 8, Issue 4, July 2022, ISSN(O) – 2395-4396, PP: 648-652.

13. Paper entitled "Pneumonia Detection using Convolutional Neural Network" by Mr. Arunkumar Joshi, Ms. Nikhita Kulkarni, Ms. Ranjita H L, Ms. Roopa Radder, Ms, Priya Doddamani in international journal IJARSCT, Volume 2, Issue 2, July 2022, ISSN(O) – 2581-9429, PP: 440-445

14. Paper entitled "Smart Car Parking" published by Mrs Rajeshwari S G, Ms. Kavya Shamanur, Ms. Ruchita S, Ms. Suman R H, Ms. Sushma Nekar in IJARIIE, Volume 8, Issue 4, July 2022, ISSN(O): 2395-4396, PP: 648-652.

15. Mr. Aneel Narayanpur, Mr. Rajabaxi Y Y, Mr. Rohit S J, Ms. Sabreentaj M A, Mr. Vishnureddy published paper entitled "Aeroqual Using IoT" in IJARSCT International Journal, ISSN: 2581-9429, Volume 2, Issue 2, July 2022, PP: 18-22

16. Mr. Basavaraj K M, Ms. Soumya Alagodi, Ms. Shilpa Hulgurmath, Ms. Megha Pashupatihal, Ms. Varsha Teekappanavar published paper entitled "Pest Detection & Crop Prediction" in Internatinal Journal IJARIIE, e-ISSN: 2395-4396, Volume 8, Issue 4, July 2022, PP: 849-856

17. Mr. Arun Kumbi, Mr. Kirankumar B K, Mr. Prasad Salimath, Ms. Sahana Dodawad, Mr. Vishalkumar B published paper entitled "Raksha-The Smart Security System" in International Journal IJARSCT, ISSN: 2581-9429, Volume 2, Issue 2, July 2022, PP:

18. Mr. Arun Kumbi, Ms. Anita Ugargol, Ms. Anusha Neelgund, Ms. Bibiayesha Mullur, Ms. Vidyashri Dulappanavar published paper entitled "Smart Driver Assistance System Using IoT" in Intarnational Journal IJARIIE, ISSN(O):2395-4396, Volume 8, Issue 4, July 2022, PP:1102-1113.

19. Mr. Aneel Narayanpur, Ms. Pooja G V, Ms. Vandana N P, Ms. Minaz S A, Ms. Pooja N C published paper entitled "Wen Enabled Documentation o NAAC" in International Journal IJARIIE, e-ISSN: 2395-4396, Volume 8, Issue 4, July 2022, PP:

20. Mr. Arunkumar Joshi, Ms. Priyanka Hooli, Mr. Girish Karadi, Ms. Kavita Jakkali, Mr. Nikhilgouda S published paper entitled "IOT Based Smart Safety Wearable for Small Fry & Alzheimer's Patients" in International Journal IJARSCT, ISSN (O):2581-9429, Volume 2, Issue 02, July 2022, PP:

21. Mr. Shrikant Jogar, Mr. Darshan Handral published paper entitled "Secure File Storage on Cloud Using Hybrid Cryptography" in International Journal IJARSCT, ISSN: 2581-9429, Volume 2, Issue 2, July 2022, PP:

22. Dr. Parashuram Baraki presented paper entitled "Integrating Crop Decider to Farmers Portal" in the International Conference 0n Emerging Trends in Engineering, Management & Technology (ICETEMT-2022) organised during 21st & 22nd June 2022 at Rajarajeshwari College of Engineering, Bangaluru.

Academic Year 2020-21

Projects Recognition / Awards:

1. Two final year students' projects from CSE department have got selected for KSCST Bengaluru sponsorship.
   - ➢ Project entitled "SMART IOT GLOVES FOR FIREFIGHTERS" carried out by Ms. Supriya GuggariI, Ms. Akshata Hatti. Ms. Aparna Rati & Ms. Chetana Desai under the guidance of Mr. Nagaraj Telkar – Rs. 5000/-
   - ➢ Project **entitled "IKSHANA - AN** INTELECTUAL EYE" carried out by Ms. Bhagyalaxmi Pujar, Ms. Chaitra Soratoor, Ms. Deepa Guled & Ms. Sahana Mahant under the guidance of Mr. Pavankumar Naik / Mr. Vikram Shirol – Rs. 3500/-

2. Two final year projects have got selected by the Project Selection Committee for the VTU Financial Assistance for AY 2020-21 from the Computer Science Branch with Rs. 5000/- each.
   - ➢ Project entitled "Surakshit Indhan, Behtar Jeevan (Automatic LPG gas monitoring and booking system using load cell)" carried out by Ms. Akshata Shevalakar, Ms.

Kajal Badi, Ms. Mandara Odanavar & Ms. Sudha Purad under the guidance of Mr. Prakash Hongal.

> Project entitled, "yog 'AI'" carried out by Mr. Akashgouda Hiregoudar, Mr. Parvez Mulla, Mr. Raghavendra Kshatriya & Mr. Rohit Shirur under the guidance of Mr. Arunlumar Joshi.

3. Following final year projects have got selected & given demo at 5th National Level IEEE Project Competition (Virtual) Organised by GSSSIETW, Mysusru on 26th June 2021

> Project Entitled "Surakshit Indhan, Behatar Jeeven" carried out by Ms. Akshata Shevelkar, Ms. Kajal Badi, Ms. Mandara Odannavar & Ms. Sudha Purad under the guidance of Mr. Prakash Hongal.

> Project Entitled "Web Application on NLP Techniques: Case Study – Civil Services" carried out by Ms. Megha K, Ms Aunha M, Ms Tejaswini & Ms. Varsha under the guidance of Ms. Priyanka Mathapati

4. Following two projects have participated in KSTA Symposium cum Project Exhibition in Virtual Mode on Recent Advances in Engineering Science on 19th July 2021 organised by SJCE Chikbalapur.

> Project entitled "AI Chotbot for Mental Health Care System" carried out by Ms. Shrinidhi V G, Ms. Goutami M B, Ms. Vanishree M A & Ms. Soudarya N A under the guidance of Mr. Shrikant Jogar

> Project entitled "Smart IOT Gloves for Fire Fighter" carried out by Ms. Akshata Hatti, Ms. Supriya G, Ms. Chetana Desai & Ms. Aparna Rati under the guidance of Mr. Nagaraj Telakr

5. Three final year projects have been shortlisted for the FKCCI MANTHAN – 2021 Business Plan presentation for Round-1

> Project entitled "Surakshit Indhan, Behtar Jeevan Automatic LPG Gas Monitoring and Booking System Using Load Cell " carried out by Akshata P Shevalakar, Kajal Badi, Mandara Odanavar & Sudha C Purad under the guidance of Mr. Prakash Hongal.

> Project entitled "AUTOMATIC IMAGE CAPTION GENERATION" carried out by Nivedita Aladakatti, Sanchita S Mahant, Seemakousar Baroodkha and ShaharBanu Dhalayat under the guidance of Mrs. Rajeshwari S G.

Got selected for Round-2

> ➤ Project entitled "Yog'AI" carried out by Akashgouda Hiregoudar, Parvez Mulla, Raghavendra Kshatriya & Rohit Shirur under the guidance of Mr. Arunkumar Joshi

6. KSCST 44th Series Student Project Program – Got selected for State Level Best Project Award for the AY 2020-21. Project entitled "SMART IOT GLOVES FOR FIREFIGHTERS"carried out by Ms. Supriya GuggariI, Ms. Akshata Hatti. Ms. Aparna Rati & Ms. Chetana Desai under the guidance of Mr. Nagaraj Telkar.

Workshops / FDPs / STTP Attended:

1. Mr. Vikram Shirol attended 5 Days AICTE (ATAL) online FDP on "Leadership & Excellence conducted by GEC Haveri from 7th to 11th Sept 2020.
2. Ms. Jyoti Warad successfully completed 4 weeks Coursera certification on "Programming Fundamentals" with 92%.
7. Mr. Prakash Hongal successfully completed AICTE ATAL Academy Online FDP on "Sensors Technology" from 21st to 25th Sept 2020 conducted by NIE Mysuru.
8. Mr. Prakash Hongal successfully completed AICTE ATAL Academy Online FDP on "Data Science" from 7th to 11th Sept 2020 conducted by Prthyusha Engineering College.
9. Mr. Prakash Hongal attended 5 days online STTP on "Research Trends in Computer Science & Engineering" organised by SDMCET Dharawad, from 14th to 19th Dec 2020
10. Ms. Priyanka M attended 5 days online AICTE ATAL FDP on "Cyber Security" from 28th Dec to 1st Jan 2021 conducted by TKMCE Kerala.
11. Nagaraj Telkar & Pavan Naik attended one week Online AICTE ATAL FDP on "Machine Learning & Pattern Recognition" conducted by MET Bhujabul Nasik from 18th to 23rd Jan 2021.
12. Mrs Rajeshwari S G attended 5 Days Online FDP on Universal Human Values (UHV) for Deeksharambha (Student Induction Program) organised by NIT Patna from 23th to 27th Nov 2020.
13. Mr. Vikram Shirol attended online AICTE ATAL FDP on "Data Science" conducted by KLECET Belagavi from 1st to 5th Feb 2021.

14. Ms. Priyanka M attended online one week FDP on "Data Science & Data Analytics" organised by Dr AIT Bengaluru from 1st to 5th Feb 2021.

15. Ms. Jyoti Warad (Asst Instructor) completed 5 days online FDP on "Data Science" from 1st to 5th Feb 2021 organised by Sri Sai Ram Institute of Technology, Chennai

16. Mr. Nagaraj Telkar (Asst. Prof) has successfully completed 4 weeks Coursera online certification course on "Programming for Everybody (Getting started with Python)" on 11th Feb 2021.

17. Mr. Vikram Shirol & Mrs Rajeshwari S G attended seminar on "Teacher's Role in Implementing NEP" on 26th Feb 2021 held at VTU Belagavi organised by VTU & NEETI Aayoga.

18. Mr. Nagaraj Telkar & Mr. Arun Kumbi attended 5 Days online ATAL FDP on "Photography & Media Communication" organised by Dayalbagh Educational Institute Agra from 23rd to 27th Feb 2021.

19. Mr. Shrikant Jogar attended 5 Days online ATAL FDP on "Augmented Reality / Virtual Reality" organised by KLESCET Belagavi from 22nd to 26th Feb 2021.

20. Mr. Shrikant Jogar attended 5 Days AICTE online ATAL FDP on "Visual Communication" organised by SR University Warangal from 1st to 5th March 2021.

21. Ms. Pallavi Hiremath successfully completed 4 weeks online course on "Big Data" conducted by Coursera on 4th March 2021.

22. Ms. Pallavi Hiremath attended 5 Days AICTE online ATAL FDP on "Human Centre Computing" organised by Gauhati University Institute of Science & Technology from 15th to 19th Feb 2021.

23. Mr. Nagaraj Telkar completed online courses on "Python Programming" & "Java Programming" provided by Great Learning Academy.

24. Priyanka Mathapati successfully completed 4 weeks online certificate course of Coursera on "Programming Foundations with JavaScript, HTML and CSS" on 17th March 2021.

25. Mr. Arunkumar Joshi, Ms Jyoti Warad, Mr. Arun Kumbi, Mr. Nagaraj Telkar & Ms. Pallavi Hiremath attended One week AICTE sponsored online STTP on "Outcome Based

Pedagogical Initiatives for Effective Teaching and Learning" organised by NRIIT Agiripalli,Vijayawada, AP from 22nd to 27th March 2021.

26. Ms Priyanka Mathapati completed online course on "Python for Data Science" powered by IBM Developer Skills Network issued by Cognitive Class on 24th March 2021.

27. Mr. Basavaraj K M attended Six Days STTP on "Emerging Trends and Research Challenges in Next Generation Wireless Networks" organised by Kongunadu College of Engineering & Technology, Trichy, from 29th March to 3rd April 2021.

28. Mrs Rajeshwari S G attended 5 Days Online FDP on "Mobile Application Development Using Android OS" organised by BMS Institute of Technology & Management Bangaluru from 6th to 10th April 2021.

29. Mr. Aneel Narayanpur, Mr. Arunkumar Joshi, Mr. Nagaraj Telkar & Ms Pallavi Hiremath attended one week online FDP on "Machine Learning for All", organised by KSRM College of Engineering & Technology, Kadapa, from 5th to 10th April 2021.

30. Mr. Aneel Narayanpur & Mr. Basavaraj K M attended one week AICTE-ISTE sponsored online Induction Program on "Accreditation: An Accelerator for Quality Improvement in Engineering Education" organised by SDMCET Dharawad from 22nd to 28th April 2021.

31. Mr. Aneel Narayanpur attended 5 Days Online FDP on "Artificial Intelligence" organised by Kings Engineering College, Chennai from 24th to 28th May 2021.

32. Mr. Basavaraj K M attended One Week FDP on "Artificial Intelligence" organised by Easwari Engineering College, Chennai from 25th to 29th May 2021.

33. Mrs Rajeshwari S G & Mr. Prakash Hongal attended 5 Days National level Virtual FDP on "Revised NAAC Accreditation Guidelines 2020" organised by School of Computer Science & IT, Jain Deemed-To-Be-University Bangalore from 1st to 5th June 2021.

34. Mr. Aneel Narayanpur attended 5 days online AICTE ATAL FDP on "Emerging Trends in IOT" organised by AITR Indore from 7th to 11th June 2021.

35. Ms Priyanka M attended 5 days online ATAL FDP on "Principles of AI, ML and DL" organised by University of Mysuru, from 21st to 25th June 2021.

36. Mr. Aneel Narayanpur, Mr. Arun Kumbi, Mr. Basavaraj K M attended 5 days online workshop on Zero Coding: Data Analytics & Machine Learning for IOT Automation" organised by VIT from 21st to 25th June 2021.

37. Ms. Jyoti W, Ms. Pallavi Hiremath attended 3 days' workshop on "Design & Development of Web Resources" organised by SRM Easwari Engineering College from 12st to 23rd June 2021.

38. Ms Jyoti W, Ms. Pallavi Hiremath attended NPTEL awareness online workshop in association with Gandhinagar Institute of Technology, Gandhi Nagar, on 25th June 2021.

39. Mr. Aneel Narayanpur attended One week online ATAL FDP on "NBA Accreditation Process" organised by JNTU Anatpur from 28th June to 3rd July 2021.

40. Mr. Vikram Shirol, Mr. Prakash Hongal, Mr. Shrikant Jogar, Mrs. Rajeshwari S G, Mr. Aneel N, Mr. Basavaraj K M & Mr. Arunkumar Joshi attended 5 days online STTP on "Recent Trends and Challenges in Computer Science & Engineering" organised by Tirumala Engineering College Guntur from 5th to 9th July 2021.

41. Ms. Priyanka M attended 5 Days online AICTE-ATAL FDP on "A Pedagogy for Effective Use of 5G Communication Networks for Cloud Applications" organised by JNNCE Shivamogga from 13th to 17th July 2021.

42. Mr. Prakash Hongal, Mrs Rajeshwari S G, Mr. Aneel N, Mr. Arunkumar Joshi & Mr. Vikram Shirol attended 5 days online AICTE ATAL FDP on "NEP 2020 Implementations – Insight into US Baldridge Education Performance Excellence Framework" organised by BVV's Polytechnic, Bagalkot from 2nd to 6th Aug 2021.

43. Mr. Aneel Narayanpur attended NPTEL e-Workshop on 18th Aug 2021organised by NPTEL IIT Madras.

44. Mr. Arunkumar Joshi attended 5 Days Online International STTP on Block-Chain for Digital Transformation from 12th to 16th Aug 2021, organised by CBIT (A) Hyderabad, Telangana.

Papers Published & Presented in Journals & Conferences:

1. Mr. Arunkumar Joshi has been nominated as scientific committee member for 2nd International Conference on Emerging Trends in Science, Engineering & Management 2021 (July) organised by GMIT Davanagere.

2. Prof. Vikram Shirol, Prof. Pavankumar Naik, Mr. Abhishek Aradhyamath, Mr. Channabasu Huded, Mr. Manojkumar Arepalli & Mr. Kotragouda Kenchanagoudra have published paper entitled "Prediction of Automatic Lung Tumour Segmentation using X-Ray Images" in the International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 6, Issue 4, Online ISSN: 2456-3307, July-Aug 2020, pp: 370-375, Journal URL: http://ijsrcseit.com/CSEIT206471

3. Prof. Nagaraj Telkar, Prof. Shrikant Jogar, Ms. Akshata Hatti, Ms. Aparna Rati, Ms. Chetana Deasi, & Ms. Supriya Guggari have published paper entitled "Smart IoT Gloves for Fire Fighter" in the International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 7, Issue 4, Online ISSN: 2456-3307, July-Aug 2021, pp: 277-285, Impact Factor = 6.135, UGC Journal No: 64718

4. Prof. Prakash Hongal, Mrs Rajeshwari G, Ms. Kajal Badi, "Bitcoin & Blockchain Technology", International Journal of All Research Education & Scientific Methods (IJARESM), Volume 9, Issue 08, Aug 2021, ISSN: 2455-6211, pp: 1829-1834, Impact factor: 7.429