OUR LEADERS

Prof. Ashok Aima, Vice-Chancellor, Central University of Jammu, J&K, India, is a distinguished Scholar and Academician of national and international repute. He is the Chairman/Coordinator Member of NAAC Peer Team of National Assessment and Accreditation Council, Bangalore since 2000 and several other.

Prof. Devanand, Dean, School of Basic and Applied Sciences, Central University of Jammu. He is the senior most professor and having more than 30 years of teaching, research, consultancy and administrative experience. His research area includes Simulation Modelling.

Dr. Yashwant Singh, Associate Professor and Head, Department of Computer Science and Information Technology, Central University of Jammu. His research areas of interest include Internet of Things, Wireless Sensor Networks, and ICS/SCADA Cyber Security.

LOOK INSIDE

Department of Computer Science and Information Technology

(AICTE Approved)

No. of Faculty Members: - 06

No. of Research Scholars: - 17

No. of Research Publications:
Journal: - 129
Conference: - 98
Book Chapter: -34
Books: - 07

Total Research Projects Grant: - 184 LACS

About the Department

The Department of Computer Science & Information Technology under the aegis of the School of Basic & Applied Sciences was established in the year 2012. The Department is well equipped with state-of-the-art laboratories of all major domains of Computer Science and Information Technology with excellent internet, servers, hardware and software support like Video-conferencing etc. Amenities like gymnasium, TT, Bus etc. are also available. Our Alumni are pursuing higher studies in most reputed Universities and Institutes. The Department is equally active in research with many quality publications each year in IEEE, ScienceDirect, ACM, Springer, Wiley etc. Different scholarships/fellowships are also available for the deserving students of the Central University of Jammu.

Vision

To become a leader in providing quality education in computer science by inculcating international standard technical skills along with core ethical values among students and prepare them to be outstanding computer technocrats and nation builders.

Mission

M1. To impart education to students through quality teaching, hands-on training, and application-oriented projects.

M2. To develop analytical and problem-solving skills using the latest technologies and techniques to help them to compete in the IT industry.

M3. To encourage innovation and research to bridge the digital divide and contribute to the growth and development of the society and country at large.

Programs of the Department

- ➢ M.Tech.
- ➢ Ph.D.

M.Tech. (Computer Science & Technology)

Programme Educational Objectives (PEOs)

We focus on the following objectives to realize our vision.

PEO-1: To gain in-depth knowledge of Computer Science and Technology and acquire capabilities to compete at the global level with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge to conduct research in theoretical, practical, and policy contexts.

PEO-2: Have in-depth knowledge and research skills to professionally practice in a variety of fields including Security, Machine Learning, Internet of Things (IoT), Natural Language Processing, and Ubiquitous Computing.

PEO-3: Acquire professional and intellectual integrity and ethics, learn independently and continuously to upgrade the knowledge and competence with enthusiasm.

Programme Outcomes (POs)

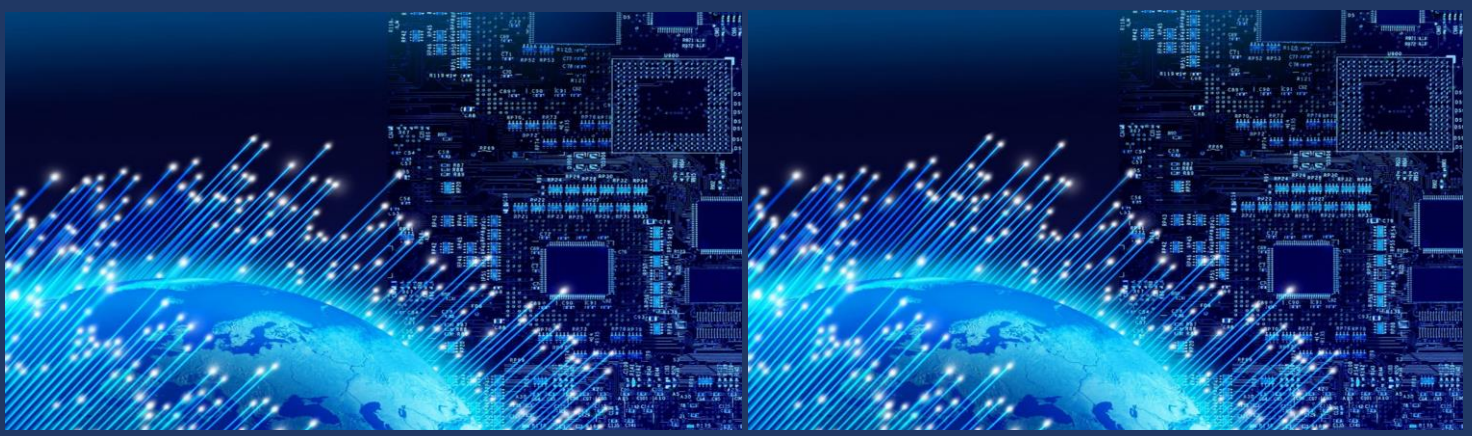A postgraduate of the Computer Science and Information Technology Program will demonstrate

PO1:- An ability to independently carry out research and development work to solve practical problems.

PO2:- An ability to write and present a substantial technical report/document.

PO3:- A degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

PO4:- An ability to use modern computational tools in modeling, simulation, and analysis with effective participation in multi-disciplinary teams and contribute towards achieving the common goals of the team.

PO5:- An ability to work with integrity and ethics in their professional practice having an understanding of responsibility towards society with sustainable development for a lifetime.

Ph.D. (Full Time and Part Time)

The doctoral research program gives an opportunity to students to demonstrate their analytical, innovative, and independent thinking abilities leading to creativity and application of knowledge. The scholars are required to deliver seminars on their research progress regularly and publish their work. They are also required to undergo some advanced-level coursework. Finally, they are required to submit the thesis embodying their research findings for the award of the Ph.D. degree. The Ph.D. programme is available in various specializations like Digital Image processing, Wireless Sensor Networks, Internet of Things, Cyber-Physical Systems, Computer Networks and Cyber Security, Machine Learning & Biometric, Data Mining, Robotics, Cloud Computing, NLP, and Simulation Modeling. The university offered both full- time and part-time Ph.D. programmes to enroll into.

Ph.D. (Intake)

Admission Year	No. of candidates
2016	3
2018	2
2019	5
2020	7

Research Thrust Areas

- **Cyber-Physical System (Internet of Things)**
  Vulnerability analysis of IoT and embedded devices, Functional programming applications, Reconfigurable computing, Embedded control units, Design and development of robots and sensor platforms, WSN, and IoT routing.

- **Network Security**
  Information and network security, Theoretical and applied cryptography, Side-channel attacks and cryptanalysis, Privacy.

- **Machine Learning**
  Data-Mining, Information Retrieval, Machine Translation, Natural Language Processing, Neural networks and Deep Learning, Pattern Recognition, Reinforcement Learning, Sentiment Analysis, Speech Recognition, Data Analytics.

International Conference on
Recent Innovations in Computing (ICRIC -2021)
4th International Conference
on 8th -9th MAY,2021

Department of Computer Science and Information Technology, Central University of Jammu organized the 4th **International Conference on Recent Innovations in Computing (ICRIC-2021)** on May 8th, 2021. The first ICRIC 2018 stood as a premier conference, organized by the Department of Computer Science and Information Technology on March 5, 2018. ICRIC 2021 kept the legacy continue by bringing new prospects for collaboration across disciplines facilitating concepts and ideas. This time the conference was held in virtual mode during 8-9 May, 2021.

Hon'ble Vice-Chancellor, Prof. Ashok Aima inaugurated the event. About 100 participants from across the globe participated. The Head of Department and General Chair, ICRIC 2021, Dr. Yashwant Singh welcomed the Chief Guest and keynote speakers, Prof. Ashok Aima, Vice-Chancellor, Central University Jammu, Mr. Amit Sharma Advisor (Cyber) and Director at the Office of Secretary, Ministry of Defence, Govt. of India and Prof. Jitender Kumar Chhabra, NIT, Kurukshetra, India and enlightened the delegates of the conference. Prof. Devanand, Dean School of Basic and Applied Sciences, Co-Patron extended a warm welcome to all the speakers and participants of the conference. The first Keynote speaker Mr. Amit Sharma spoke about 'Dark Web and Virtual Crypto Currency Contemporary Challenges to Cyber Space'. He apprised the audience of the benefits and risks of virtual currency. Another eminent speaker Prof. Jitender Kumar Chhabra acquainted the participants with cloud computing, internet of things, and futuristic computing technologies. Various parallel sessions were organized to present more than 100 conference papers from different conference tracks. Dr. Arvind Selwal, Conference Program Chair ICRIC-2021 presented a vote of thanks with a vision to organize the 5th ICRIC in 2022.

Collaborations
MoU Signed

भारतीय प्रौद्योगिकी
संस्थान जम्मू
**INDIAN INSTITUTE OF
TECHNOLOGY JAMMU**

MoU signed with Indian Institute Technology IIT JAMMU

22nd January, 2021

The MoU was signed by Dr. Yashwant Singh, HoD, (Department of Computer Science and Information Technology) Central University of Jammu and Dr. Kann N Iyer, Visiting Prof. IIT Jammu. Both the instititions have agreed to collaborate while recognizing each other's strength in research, education, administrative, faculty excellence and mutual interest in technology and engineerring. The agreement is set to pave the way for improving the state of higher education in the UT. The two institutions will also explore the possibilities of collaborative masters's programmmes.

Board of Studies (BoS) Meeting

26 FEB,2021

Completed tenure of old BoS MEMBERS

The term of office of members of the BoS has been expired on 26-12-2020. The department is thankful to the old BoS Members Prof. Manish Jindal, Punjab University Chandigarh, Prof. Rakesh Kumar, Kurukshetra University, Dr. Mukesh Negi, Wipro Technologies, Dr. Ajay Kumar Sharma, Department of Mathematics, CUJ, and Dr. Arvind Selwal, Department of Computer Science & IT for their contribution throughout the tenure in building the department and taking it to the next level of excellence.

New BoS MEMBERS

New BoS has been constituted and the department welcome the members and trust their commitment towards the student learning and departmental growth with their intellectual and management skills. The new members are:

1. **Prof. Rama Krishna Challa,** Department of Computer Science and Engineering NITTTR Chandigarh
2. **Prof. Manu Sood,** Department of Computer Science, Himachal Pradesh University Shimla, H.P.
3. **Dr. Vinay Kumar,** Department of Physics and Astronomical Sciences, Central University of Jammu
4. **Mr. Rocky Goyal,** Consultant (Microsoft Technologies), On Device IT Solutions Pvt. Ltd, Hyderabad.
5. **Dr. Neerendra Kumar,** Department of Computer Science and Information Technology, Central University of Jammu.

Board of Studies (BoS) Meeting

26 FEB, 2021

Approved agenda items of BoS meeting held on 26/02/2021

➢ To approve the detailed syllabus and new scheme of M.Tech. (Computer Science and Technology) w.e.f. session 2021.

➢ Approval of a panel of experts for evaluation of M.Tech. (Computer Science and Technology) dissertation/practical exam/theory and PhD thesis.

➢ To offer SWAYAM MOOC as optional interdisciplinary course along with courses offered by other departments in the M. Tech (Computer Science and Technology) programme w.e.f. session 2021.

➢ To approve the mandatory publication conditions in Journals as prescribed by UGC Regulations 2016 (Maintenance of Minimum standard and Procedure for award of Ph.D. degree) for Ph.D. scholars as per the UGC-Care list of Journals.

➢ To approve the one mandatory publication condition in Journals/ International conference proceedings/ Book Chapter indexed in Scopus/SCI/ESCI/SCIE database for M.Tech. students w.e.f. 2021.

➢ To propose payment of remuneration for evaluation M.Tech. dissertations by external examiner to Rs.2000. per candidate.

➢ To approve the conversion of Ms. Pooja Anand (Ph.D. Scholar Reg. No. 0250518) from JRF to SRF with approved thesis titled "Intelligent Vulnerability Assessment Framework for Internet of Things and embedded Devices"

➢ To approve the Programme Educational Objectives (PEO) and Program Outcomes (PO) of the Department.

Reporting Items:

➢ Ms. Sonam Gandotra (0250516) Ph.D. Scholar of the Department has submitted her Ph.D. thesis titled "On Automatic Extractive summarization of Dogri Text" under the supervision of Dr. Bhavna Arora on dated 28-01-2021.

➢ The AICTE has re-approved the M.Tech. (CST) programme after online Expert Visiting Committee (EVC) held on 21-01-2021.

School Board Meeting

5 March,2021

A meeting of the School Board was held under the chairmanship of Prof. Devanand, Dean, School of Basic and Applied Sciences. The Department of Computer science and IT presented recommended agenda items of the various Board of Studies (BoS) meetings that were held on 17/12/2018, 21/05/2019, and 22/06/2020. Following are the agenda items that were approved by the school board.

1. Approved agenda items of BoS meeting held on 17/12/2018.

1.1. To approval the detailed syllabus of M.Tech. (Computer Science and Technology) for the semester 2nd, 3rd and 4th w.e.f. December 2018.

1.2. To approval the panel of experts for evaluation of M.Tech. (Computer Science and Technology) dissertation/practical exam/theory.

1.3. To adopt the MOOC courses as IDC in M.Tech. programme available through SWAYAM/NPTEL platform.

1.4. To adopt the Departmental Ph.D. semester progress report form w.e.f. December 2018.

1.5. To adopt the evaluation proforma for seminar (Semester III), Dissertation Part-I (Semester III) and Dissertation Part-II (Semester IV) of M.Tech.(CST) w.e.f. December 2018.

2. Approved agenda items of BoS meeting held on 21/05/2019.

2.1 To approve the new scheme and detailed syllabus of M.Tech. (Computer Science and Technology) for the semester 1st, 2nd, 3rd and 4th w.e.f. July 2019.

2.2 To approve the panel of experts for evaluation of M.Tech. (Computer Science and Technology) dissertation/practical exam/theory.

2.3 To adopt the MOOC courses as IDC in M.Tech. programme (1st and 2nd Semester) available through SWAYAM/NPTEL platform.

2.4 To approve the new scheme and detailed syllabus of Ph.D. course work w.e.f. July 2019.

3. Approved agenda items of BoS meeting held on 21/05/2019.

3.1 To approve the Ph.D. titles and Synopses of the following Ph.D. scholars (Deep Kumar Bangotra, Pooja Anand, Amit Sharma, Bharti Rana, Niharika Sharma, Deepika Sharma, Mehak Mengi)

3.2 To approve the panel of experts for evaluation of M.Tech. (Computer Science and Technology) dissertation/practical exam/theory.

3.3 To approve the new scheme and detailed syllabus of Ph.D. course work after addition of two-credit course for awareness about publication ethics and publication misconduct entitled "Research and Publication Ethics (RPE)" which is made compulsory by UGC for research scholars.

3.4 To approve the scheme and detailed syllabus of M.Tech. Computer Science and Technology for the semester 1st, 2nd, 3rd, and 4th w.e.f. July 2020 same as approved in the last BoS.

3.5 To approve the formation of Research Advisory Committee (RAC) for individual Ph.D. candidates instead of RDC.

3.6 To approve the change in M.Tech. student's mandatory Journal (Scopus/UGC) publication to Scopus/UGC Indexed Journal/International Conference Proceedings Full Paper/Book Chapter in International Book.

3.7 To consider the case of Mr. Amit Sharma, Registration No.0150519, Ph.D. scholar for registration as a part time Ph.D. candidate as per university ordinance 6A (para 4) under the category of in-service employee in Higher Education Institution University of Jammu with minimum of two years regular service.

3.8 To consider the case of Mr. Deep Kumar Bangotra, Registration No.0150518, Ph.D. scholar in-service candidate in Higher Education Govt. of J&K for converting from full time to part-time mode of Ph.D. after completion of two years residency period in the Department during the period sanctioned leave 24-08-2018 to 23-08-2020.

4. All the agenda items of BoS meeting held on 26/02/2021 are approved in the school board.

RESEARCH PROJECTS

No research without action, no action without research

NEW PROJECT (25 FEB,2021 Sponsored by NCW- 12.19 lacs)

"**Embedded Devices Cyber Security: Challenges Under Cyber Space specially for women**" is undertaken by **Dr. Yashwant Singh.**

Ongoing PROJECTs

"**Development of Vulnerability Analysis Framework and Test Bed for IoT and Embedded devices**" is undertaken by **Dr. Yashwant Singh. (By DRDO, October 2019, 46.332 lacs.)**

"**Development of text and speech corpora for regional languages**" with the principle investigator (PI) of this project **Dr. Bhavna Arora** and other Co-PI's are **Dr. Deepti Malhotra and Dr. Vishal Goyal. (By DRDO, October 2020, 77.98 lacs)**

"**Development & Analysis of Lightweight Cryptography for Sensor Nodes & IoT**" with the principle investigator (PI) of this project **Dr. Arvind Selwal** and Co-PI **Dr. Deep Singh. (By DRDO, October 2020, 41.97lacs.)**

The department has received the significant grant support, summing to 184.462 lacs.

Delivered Talks

Dr. Yashwant Singh,

Head of Department, Computer Science and Information Technology, was invited as a resource person for Faculty Development Programme on ICT Tools in Education on "Cyber Crime: Alarming Issue for Digital World" held on 02-02-2021 organised by Department of Educational Studies, Central University of Jammu.

Dr. Yashwant Singh, Head of Department of Computer Science and IT, was invited as a resource person for Faculty Development Programme on ICT Tools in Education on "The Technological Challenge Facing Higher Education Professors: Perceptions of ICT Tools for Developing 21st Century Skills" held on 05-02-2021 organised by Department of Educational Studies, Central University of Jammu.

Dr. Yashwant Singh, Head of Department of Computer Science and IT, was invited as a keynote speaker for International Indo-Hungarian Conference on Recent Innovations in Computing on "Internet of Things: Intelligent Vulnerability Assessment Framework" held on 09-06-2021.

Dr. Neerendra Kumar,

Assistant Professor, Department of Computer Science and IT, was invited as a resource person for Faculty Development Programme on ICT Tools in Education on "Google Form Attendance sheet e-certificates" held on 03-02-2021 under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Central University of Jammu.

Also, was invited as a resource person for Faculty Development Programme on ICT Tools in Education on "Hosting G-Meet/Zoom Designing Brochure/Flyer/pamphlet" held on 05-02-2021 under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Central University of Jammu.

And as a resource person for Faculty Development Tools in Education on "Hands-on sheet, E-certificates, G-Meet/Zoom, Designing Brochure/Flyer/pamphlet" held on 05-02-2021 under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Central University of Jammu.

Delivered TALKS

Dr. Arvind Selwal,

Assistant Professor, Department of Computer Science and IT, was invited as a resource person for one week Faculty Development Programme on ICT Tools in Education on "Online Assessment Applications (Apps): An overview", and "How to Critically appraise an article?" held from Feb 1, 2021 – Feb 7,2021 under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Jammu.

Dr. Arvind Selwal, Assistant Professor, Department of Computer Science and IT, was invited as a resource person for one week Faculty Development Programme on Emerging trends in Assessment and Evaluation for Teaching and Learning on "ICT Computer Hardware: An overview", and "BIOMETRICS: AN ICT TOOL" held from March 16, 2021 – March 22,2021 under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Jammu.

Dr. Arvind Selwal, Assistant Professor, Department of Computer Science and IT, was invited as a resource person for Short Term Course on Advances in Biometric Security and Image Processing on "Security issues and Countermeasures in Fingerprint Biometric Systems" held from March 15, 2021 – March 19, 2021 organised by Department of Computer Science and Applications, Kurukshetra University, Kurukshetra.

Dr. Arvind Selwal, Assistant Professor, Department of Computer Science and IT, was invited as a resource person for Short Term Course on Cyber Crimes & Cyber Security: Preventive & Reactive Measures on "Attacks, Countermeasures on fingerprint biometrics and detection mechanisms in facial biometrics systems" held from Jan 7, 2021 – Jan 13, 2021 organised by Dr. Hari Singh Gour Central University, Sagar - 470 003, Madhya Pradesh, India.

Dr. Bhavna Arora,

Assistant Professor, Department of Computer Science and IT was invited as a resource person under DHE Project (GOI) to deliver a lecture on "Computer Fundamentals" held on 18-03-2021 organised by MAM College, Jammu.

Also invited as a resource person under DHE Project (GOI) to deliver a lecture on "MS Office and Cyber Crime" held on 19-03-2021 organised by MAM College, Jammu.

Webinar on
IoT Protocols: How Data Exchange Happens (12 MAY, 2021)

The Head of Department, Computer Science and Information Technology, Dr. Yashwant Singh has successfully commenced a one-day webinar titled "IoT Protocols: How Data Exchange happens", organized by IEEE and Department of Computer Science and IT, CUJ on May 12,2021. Mr. Shrikrishna, who has been leading training activities at C-DAC Bangalore in the areas of embedded systems design and IoT was the speaker of the event. He gave insights on the two most popular IoT protocols namely CoAP – Constrained Application Protocol and MQTT – MQ telemetry and transport. He shared the importance of IOT Technology Stack and its benefit in IOT solutions. Webinar has given exposure of various IOT protocols needed by IOT devices to work efficiently in constrained environment. It also offered better understanding of some of the unique features exhibited by IOT application layer protocols designed to meet IOT specific use cases. Over 90 participants from various institutions participated in the event. Many attendees sent in their questions which were addressed by the Speaker making the overall webinar interactive and informative.

Organized by:

Dr. Yashwant Singh
Associate Professor & Head
Department of Computer Science and IT.
Central University of Jammu

Ph.D. Snapshots

Ph.D. Spotlights

Department of Computer Sciences and Information Technology

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Ph.D. Completed

Sonam Gandotra

Topic: On Automatic Extractive Summarization of Dogri Text.

Supervision of

Dr. Bhavna Arora

on April 19, 2021

Rohini Mahajan

Topic: A Real Time System for detecting Gestures of Body Motion using Machine Learning Techniques.

Under the supervision of

Prof. Devanand Padha

On June 21, 2021

Activities

Progress presentations of PhD. Scholars are conducted after ever six months. The last progress presentation of batch 2019 was held on March 26, 2021.

JOURNAL PUBLICATIONS

Parushi Malhotra, Yashwant Singh, Pooja Anand, Deep Kumar Bangotra, Pradeep Kumar Singh, Wei-Chiang Hong, (2021), "*Internet of Things: Evolution, Concerns and Security Challenges*", Sensors (Basel, Switzerland), 21(5), 1809 ISSN:1424-8220, DOI: https://doi.org/10.3390/s21051809 **SCI, IF-3.275.**

Deep Kumar Bangotra, Yashwant Singh, Arvind Selwal, Nagesh Kumar, Pradeep Kumar Singh (2021), "*A Trust Based Secure Intelligent Opportunistic Routing Protocol for Wireless Sensor Networks*". Wireless Personal Communications, ISSN: 1572-834X, DOI: https://doi.org/10.1007/s11277-021-08564-3,**SCI, IF-1.6.**

Mohsin Khan, Bhavna Arora (2021), "*Traffic Congestion Reduction and Accident Circumvention System via Incorporation of CAV and VANET*", International Journal of Ambient Computing and Intelligence (IJACI), 12(1), 53-72. ISSN: 1941-6237, DOI: https://doi.org/10.4018/IJACI.2021010103, **Scopus.**

Deepika Sharma, Arvind Selwal (2021), "*HyFiPAD: a hybrid approach for fingerprint presentation attack detection using local and adaptive image features*", The Visual Computer, 1-27. ISSN:1432-2315, DOI: https://doi.org/10.1007/s00371-021-02173-8, **SCI, IF-1.456.**

PUBLICATIONS IN CONFERENCE PROCEEDINGS & BOOK CHAPTERS:

Pooja Anand, Yashwant Singh, and Arvind Selwal (2020, March) "Internet of Things (IoT): Vulnerabilities and Remediation Strategies", In the International Conference on Recent Innovations in Computing ,(pp. 265-273)" LNEE Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-15-8297-4_22

Deep Kumar Bangotra, Yashwant Singh, and Arvind Selwal (2020, March) "Intelligent Opportunistic Routing Protocol in Wireless Sensor Networks: A Security Perspective", In The International Conference on Recent Innovations in Computing ,(pp. 221-233) LNEE Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-15-8297-4_19

Niharika Sharma, Bhavna Arora (2020) "Review of Machine Learning Techniques for Network Traffic Classification" Available at SSRN 3747605, Scopus DOI: http://dx.doi.org/10.2139/ssrn.3747605

Deepika Sharma, Arvind Selwal (2020, March) "On Data-Driven Approaches for Presentation Attack Detection in Iris Recognition Systems" In The International Conference on Recent Innovations in Computing , LNEE Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-15-8297-4_38

Syed Umaya Anayat, Arvind Selwal (2020, March). "Template Attacks and Protection in Multi-biometric System: A Systematic Review" In the International Conference on Recent Innovations in Computing (pp. 831-843) LNEE Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-15-8297-4_67

Mahapara Mahak, Yashwant Singh (2021) "Threat Modelling and Risk Assessment in Internet of Things: A Review" In Proceedings of Second International Conference on Computing, Communications, and Cyber-Security,LNNS Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-16-0733-2_21

Zakir Ahmad Sheikh, Yashwant Singh (2021). "Lightweight De-authentication DoS Attack Detection Methodology for 802.11 Networks Using Sniffer" In Proceedings of Second International Conference on Computing, Communications, and Cyber-Security,LNNS Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-16-0733-2_5

Neerendra Kumar, Zoltán Vámossy (2020, March). "Obstacle Avoidance in Robot Navigation Using Two-Sample T-Test-Based Obstacle Recognition" In the International Conference on Recent Innovations in Computing ,LNEE Springers, Singapore, Scopus DOI: https://doi.org/10.1007/978-981-15-8297-4_37

Shagun Verma, Neerendra kumar (2020, October). "Path Planning for Autonomous Robot Navigation: Present Approaches" In International Conference on Futuristic Trends in Networks and Computing Technologies ,CCIS Springer, Singapore, Scopus DOI: http://dx.doi.org/10.1007/978-981-16-1483-5_25

Mahvish Bijli, Neerendra Kumar (2020, March). "Autonomous Navigation of Mobile Robot with Obstacle Avoidance: A Review" In The International Conference on Futuristic Trends in Networks and Computing Technologies,CCIS Springer, Singapore, Scopus DOI: http://dx.doi.org/10.1007/978-981-16-1483-5_28

Bhavna Arora. (2021, June). "Review of Machine Learning Techniques for Network Traffic Classification" In International E-Conference on Recent Advancements in the Areas of Management, Social Sciences ,Technology and Tourism, Indian Academicians and Researchers Association, IARA, Scopus (Accepted)

Varsha Suri, Bhavna Arora (2021)"A Review on Sentiment Analysis in Different Languages" In 2nd International Conference on Electronics and Sustainable Communication Systems, Hindusthan Institute of Technology, Coimbatore, India, IEEE Explore, Scopus (Accepted)

Sunil Kumar, Bhavna Arora (2021)"A Review Of Fake News Detection Using Machine Learning Techniques" In 2nd International Conference on Electronics and Sustainable Communication Systems, Hindusthan Institute of Technology, Coimbatore, India, IEEE Explore, Scopus (Accepted)

Suksham Sharma, Deepti Malhotra (2021)" A Systematic Study of Intelligent Face Scanning in Rare Disease Detection," In 2nd International Conference on Artificial Intelligence: Advances and Applications, LNEE Springers, Scopus (Accepted)

Mehak Mengi, Deepti Malhotra (2021)"Anatomy of Various Biomarkers for the diagnosis of Socio-behavioral Disorders," In Fourth International Conference on Recent Innovations in Computing, LNEE Springers, Scopus.

Samridhi Gupta, Bhavna Arora (2021) "Stemming techniques on English language and Devanagari script: a review," In Fourth International Conference on Recent Innovations in Computing, LNEE Springers, Scopus (Accepted)

Sourabh, Bhavna Arora (2021) "A Review of Credit Card Fraud Detection Techniques", In Fourth International Conference on Recent Innovations in Computing, LNEE Springers, Scopus (Accepted)

Deepika Sharma, Arvind Selwal (2021) "Feature Engineering for Presentation Attack Detection in Face Recognition: A Paradigm Shift from Conventional to Contemporary Data-driven Approaches", In Data Science and Innovations for Intelligent Systems: Computational Excellence and Society 5.0, Taylor and Francies, Scopus (Accepted)

Amit Chadgal, Arvind Selwal (2021) "Light-Weight Cryptography using Trust Based System for Internet of Things (IoT)", In Data Science and Innovations for Intelligent Systems: Computational Excellence and Society 5.0, Taylor and Francies, Scopus (Accepted).

BOOK PUBLICATIONS:

Gaurav Gupta, Nagesh Kumar, Yashwant Singh, Varun Jaiswal (April,2021), editors. "Mobile Health: Advances in Research and Applications", Nova Science Publishers ISBN: 978-1-53619-468-5, Vol.1, pp 1-321.

News Clippings

DRDO team visits CUJ for setting of Kalam Centre for Science & Technology

Excelsior Correspondent

JAMMU, Nov 11: To select the site for Kalam Centre for Science & Technology (KCST) and to recommend the submitted research projects for execution, a DRDO team visited the Central University of Jammu.

The team of ten members was led by Dr Sudhir Kamath, OS & DG, DRDO. The other members of the DRDO team were Dr Shiv Kumar, Dr K K Pathak, Dr Renu Tyagi, Dr GSBS Rawat, Dr Padmavathi, Dr Rajesh Pillai, SAG, Dr Saibal Pal, Amit Sharma, Advisor Cyber and Mohd Ikram.

ects under vertical 2 (Sensors), only four research proposals have been recommended for execution by DRDO experts.

Earlier, DRDO and CUJ had entered into a Memorandum of Understanding (MoU) for establishment of Kalam Centre of Science and Technology (KCST)...

CUJ VC Prof Ashok Aima presenting memento to DRDO team head, visiting the University.

FDP on 'Artificial Intelligence' begins at CUJ

Excelsior Correspondent

JAMMU, Nov 18: The Department of Computer Science and Information Technology, University of Jammu, is organising a Faculty Development Programme (FDP) in collaboration with AICTE Atal Academy Learning (ATAL) of AICTE, New Delhi.

CUJ VC presenting memento to a resource person during inaugural of Faculty Development Programme on Monday.

Two-day Intl Conference begins at CUJ

Excelsior Correspondent

JAMMU, May 8: Two-day 4th International Conference on Recent Innovations in Computing (ICRIC-2021) commenced today in Central University of Jammu (CUJ) in online mode.

The conference is being organized by Department of Computer Science and Information Technology, Central University of Jammu through Google meet. The inaugural ceremony of the Conference was attended by more than 100 participants across India and abroad.

Amit Sharma, Advisor Cyber,

of Basic and Applied Sciences, Central University of Jammu emphasized the need for such events to share the research and innovations in computer applications.

Earlier, Dr Yashwant Singh, General Chair and Head of the Department, while presenting welcome address, informed that this year ICRIC-2021 received a total of 165 paper submissions from 12 countries and 17 states of India. He said after reviewing, ICRIC-2021 finalized papers out of which for oral presentation...

DRDO signs MoU with CUJ for setting up of Kalam Centre for Science & Technology

Excelsior Correspondent

NEW DELHI, Sept 26: Defence Research & Development Organisation (DRDO), Ministry of Defence and Central University of Jammu (CUJ) have entered into a Memorandum of Understanding...

Union Minister for Defence, Rajnath Singh witnessing the exchange of an MoU for setting up of Kalam Centre for Science & Technology at the University between DRDO and Central University of Jammu (CUJ), in New Delhi on Thursday. The Secretary, Department of Defence R&D and Chairman, DRDO, Dr. G Satheesh Reddy, the Chancellor of CUJ, Ambassador G Parthasarathi and the Vice Chancellor of CUJ, Prof. Ashok Aima are also seen.

Week long FDP commences at Central University of Jammu

Excelsior Correspondent

JAMMU, Feb 1: Week long Faculty Development Programme (FDP) on "ICT Tools in Education" commenced today at Central University of Jammu.

The FDP is being organized by the School of Education under the aegis of the prestigious PMMMNMTT scheme, Ministry of Education, Government of India.

CUJ organizes seminar on transforming teacher education

Excelsior Correspondent

JAMMU, Feb 25: One-day national seminar on "Communicating Indian knowledge through transforming NEP-2020" was organized by the Department of Educational University of...

CUJ Vice Chancellor Prof Ashok Aima addressing seminar Central University Jammu.

Workshop on Research Methodology for PhD scholars begins at CUJ

Excelsior Correspondent

JAMMU, Apr 10: A two week long National level Research Methodology workshop under capacity building for research scholars in Social Sciences was inaugurated today at Temporary Academic Block (TAB) of Central University of Jammu.

The workshop, sponsored by ICSSR, will benefit researchers in their early stages of career and also the faculty members engaged in social sciences across country. The programme would also provide practical training about the application of latest software techniques in social science research.

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