KARNATAK LAW SOCIETY'S
GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI
An Autonomous Institution under Visvesvaraya Technological University accredited by NAAC A+ and NBA "Jnana Ganga", Udyambag, Belagavi- 590008
Estd:1939
Estd:1979

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

BITS & BYTES

NEWSLETTER

VOL.1, ISSUE 1
(JUNE - AUG 2024)

ABOUT US

KLS GIT is the flagship Institute of Karnatak Law Society, Belagavi established in the year 1979. KLS GIT is Approved by AICTE and UGC, permanently affiliated and Autonomous under Visvesvaraya Technological University (VTU), Belagavi and conferred with NAAC A+ and NBA accreditation. KLS GIT offers 10 UG including B.Sc. (Hon.) and B.Arch., 7 PG including MBA, MCA and Integrated MCA. Also runs 10 Research Programmes approved by VTU, Belagavi. KLS GIT has the honor of sheltering over 4500 students and more than 250 qualified and motivated faculty. KLS GIT has Excellent infrastructure spread over 23 acres of mango meadows comprising of excellent facilities like Flexible Manufacturing System (FMS), 3-D Printing, CAD/CAM, AI & ML, Python, Data Science & Cyber Security, Structural & Transportation Engineering, Digital Signal Processing, Network Analysis, VLSI, High Voltage Engineering, Power Systems, Aerodynamics, Aircraft propulsion and Advanced Flight Simulation and Nano Science.

PRINCIPAL'S MESSAGE

Greetings All!

I am extremely happy to see the re-launch of http://www.git.edu/, the official website of Gogte Institute of Technology. Our institute has been a hub of many activities of excellence and achievements both by students and staff. The website would provide an effective platform to showcase all such details. Also, this would serve as a motivating tool for all concerned. GIT has been known for its academic credentials coupled with holistic growth in all directions and spheres. The first decade of 21st century has been really great for GIT. The institute has achieved a series of milestones. Credit for the same undoubtedly goes to our brilliant students and dedicated staff. We are thankful to the Chairman and Members of Karnatak Law Society and Governing Council who have been always encouraging and supportive for all our endeavors.We are sure that, GIT will reach newer heights in the days to come as we believe in ourselves..

Dr. M. S. Patil
Principal

HOD'S MESSAGE

Warm Greetings!

It gives me immense pleasure to announce that the Department of Computer Science is releasing its first newsletter for the Academic Year 2023-24, Odd Semester. The purpose of this newsletter is to highlight and celebrate the activities and achievements of our dedicated faculty and talented students within the department. We take pride in providing an exceptional academic environment, driven by a team of highly qualified faculty members who inspire our students to hone their technical skills and foster a spirit of teamwork.

I would like to extend my heartfelt congratulations to the faculty coordinator and all the student members of the Editorial Team for their collaborative efforts in releasing the inaugural volume of our newsletter, "Bites & Bytes."

As the Head of the Department, I would also like to take this opportunity to express my gratitude to all the faculty members, non-teaching staff, and students for their unwavering support and sincere efforts towards the continuous betterment and development of our department.
"Keep Learning and Keep Growing."

Dr. Sanjeev S. Sannakki
Prof & Head of The Department

EDITORIAL BOARD

Dr. Sanjeev S. Sannakki
Prof & Head of The Department

Editorial Head

EDITORIAL TEAM

Prof.Sagar Pujar

Prof.Pavan Korlahalli

Mr.Aditya Math

Mr.Advay Suryavanshi

ISSUE 1 | VOL. 1 | JUNE - AUG 2024

BITS & BYTES

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

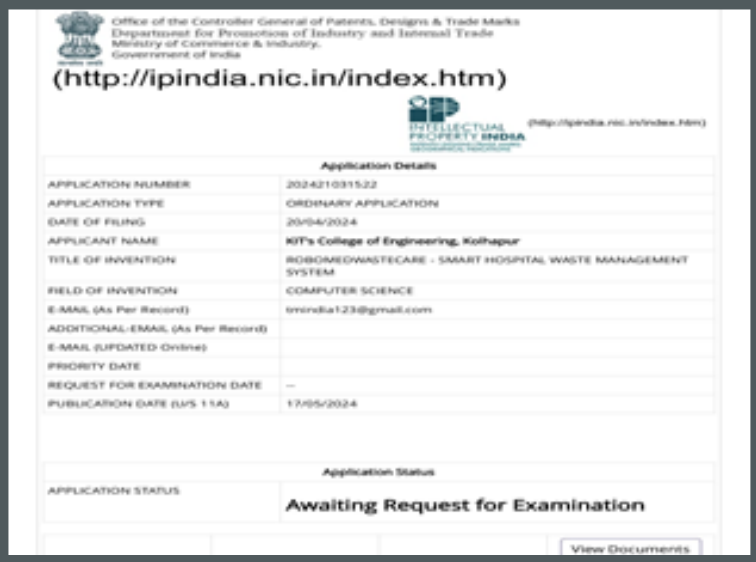
ACADEMIC EXCELLENCE

THE BEAUTIFUL THING ABOUT LEARNING IS
THAT NO ONE CAN TAKE IT AWAY FROM YOU.

ADVAY

COMPUTERS ARE MAGNIFICENT TOOLS FOR THE REALIZATION OF OUR DREAMS, BUT NO MACHINE CAN REPLACE THE HUMAN SPARK OF SPIRIT, COMPASSION, LOVE, AND UNDERSTANDING.

ACADEMIC EXCELLENCE



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202421031522
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/04/2024
APPLICANT NAME	KIT's College of Engineering, Kolhapur
TITLE OF INVENTION	ROBOMEDWASTECARE - SMART HOSPITAL WASTE MANAGEMENT SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tmindia123@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/05/2024

Application Status

APPLICATION STATUS	Awaiting Request for Examination

View Documents

Prof. Mahesh A. Kori, along with co-inventors Dr. Sharada M. Kori, Nagaraj Sheeli, Jay Sabnis, and Tushar Puranik, published a patent titled "Automated Mold Box Counting and Tracking System in Foundry using Internet of Things." Published on 17. May. 2024.

•In May 2024, Dr. Sanjeev S. Sannakki published a paper titled 'DocuAnswer' In the International Research journal -TIJER.

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TIJER.ORG | ISSN : 2349-9249
An International Open Access, Peer-reviewed, Refereed Journal
The Board of
TIJER - INTERNATIONAL RESEARCH JOURNAL
Is hereby awarding this certificate to
Sanjeev Sannakki
In recognition of the publication of the paper entitled
DocuAnswer
Published in Volume 11 Issue 5, May-2024, | Impact Factor: 8.57 by Google Scholar
Co-Authors - Wasim Naikwade,Yashraj Vernekar,Trishala Solankure,Neha Kurli
Paper ID - TIJER2405094
Registration ID - 152769
Editor-in-Chief
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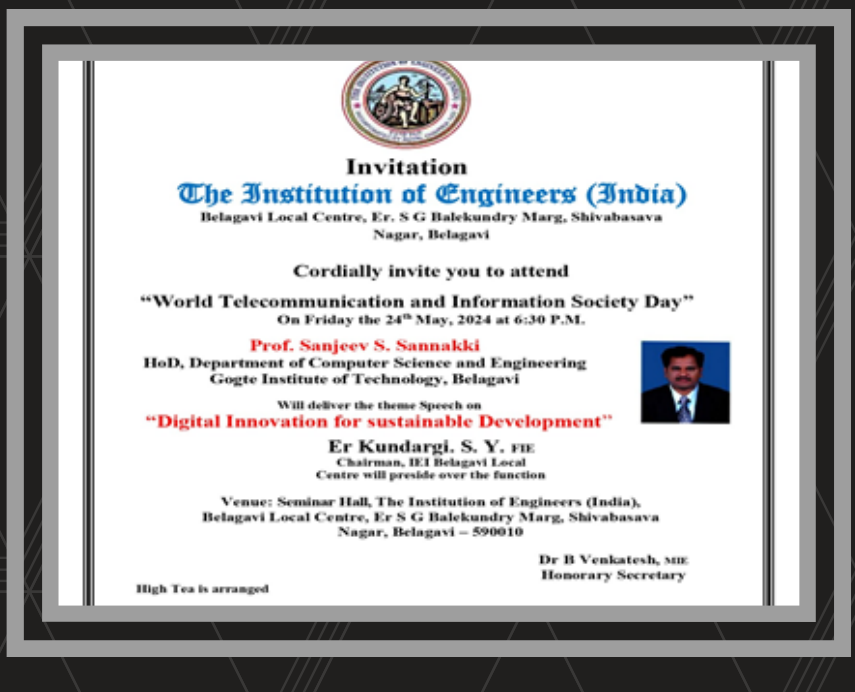
An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal
Website: www.tijer.org | Email: editor@tijer.org | ESTD: 2014
Certificate of Publication
TIJER | ISSN : 2349-9249

Springer
Sri Siddhartha Institute of Technology, Tumakuru
(A Constituent College of Sri Siddhartha Academy of Higher Education)
Certificate of Appreciation
This is to recognise the contribution of
Dr. Kavita D.Hanabaratti
KLS Gogte Instituite of Technology ,Belagavi
as REVIEWER for International Conference on Wireless Communication and Internet of Everything (ICWCIE - 2024) organized by the Department of Electronics and Communication Engineering, Sri Siddhartha Institute of Technology, Tumakuru on 21st - 22nd June, 2024.
Dr. M.N. Eshwarappa
Professor & Head,
Dept. of ECE, SSIT, Tumakuru
Dr. M. S. Raviprakasha
Principal
SSIT, Tumakuru

Dr. Kavita D. Hanabaratti selected as a reviewer for the International Conference on Wireless Communication and the Internet of Everything (ICWCIE-2024). The Department of Electronics & Communication Engineering organized the conference zandwill be held at Siddhartha Institute of Technology in Tumakuru from June 21-22, 2024.

Dr. Sanjeev S. Sannakki attended the IEI Belagavi event for "World Telecommunication and Information Society Day"! On the topic of "Digital Innovation for Sustainable Development,", on24th May 2024. Your participation in such a significant event highlights your dedication.


Invitation
The Institution of Engineers (India)
Belagavi Local Centre, Er. S G Balekundry Marg, Shivabasava Nagar, Belagavi
Cordially invite you to attend
"World Telecommunication and Information Society Day"
On Friday the 24th May, 2024 at 6:30 P.M.
Prof. Sanjeev S. Sannakki
HoD, Department of Computer Science and Engineering
Gogte Institute of Technology, Belagavi
Will deliver the theme Speech on
"Digital Innovation for sustainable Development"
Er Kundargi. S. Y. FIE
Chairman, IEI Belagavi Local
Centre will preside over the function
Venue: Seminar Hall, The Institution of Engineers (India), Belagavi Local Centre, Er S G Balekundry Marg, Shivabasava Nagar, Belagavi – 590010
Dr B Venkatesh, MIE
Honorary Secretary
High Tea is arranged

BOMBAY

CERTIFICATE OF PUBLICATION

This is to certify that the article entitled

CLOUD BASED FRAMEWORK FOR DEPRESSION DETECTION USING MACHINE LEARNING

Authored By

Published in

Industrial Engineering Journal : ISSN 0970-2555

Volume : 53, Issue 5, No.11, May : 2024

UGC Care Approved, Group I, Peer Reviewed Journal

• Dr. Sanjeev.S. Sannakki, Dr. V.S. Rajpurohit, & Dr.K.P. Sambrekar published your paper on “Cloud Based Framework for Depression Detection using Machine Learning”in the Indian Institution of Industrial Engineering Journal, Bombay On 11. May. 2024.

DrKuldeep S. and Team Successfully completed 1st event of CypherX- The Technical Odyssey under the IEEE-Information Theory Society. On 28.May.2024

KLS Gogte Institute of Technology conducted a 24-hour hackathon in the campus on the 4th & 5th. June 2024. A hackathon is an event where people engage in rapid and collaborative engineering for the period. Dr. Sharada Kori, Prof. Sagar Pujar, and the entire team of Hackathon for accomplishing the "Hack to Future 24” event grand success.

Dr. Kuldeep Sambrekar organized an Expert talk on "Journey from GIT to the United States: Mastering the art of Database Management" on 5th June 204. By Vaishnavi Kulkarni Master In Information System Northeastern University

Dr. Sharada Kori successfully supervised students in the implementation of a "Mechatronic Timer System for Melting Furnace" at AKP Foundry

• Dr. Sharada Kori has effectively mentored students in "Development of Mechanism for Commutators Slot Cutting" at CMC Commutators.

• Dr. Sharada Kori provided effective guidance to students on the "Waste Management System" project at AKP Foundry.

Indian Institution of Industrial Engineering

BOMBAY

CERTIFICATE OF PUBLICATION

This is to certify that the article entitled

PLANT SEEDLINGS CLASSIFICATION USING ENSEMBLE MACHINE LEARNING

Authored By

Dr. Sanjeev S. Sannakki

Department of Computer Science & Engineering KLS Gogte Institute of Technology Belagavi

Published in

Industrial Engineering Journal : ISSN 0970-2555

Volume : 53, Issue 6, No.2, June : 2024

UGC Care Approved, Group I, Peer Reviewed Journal

with IF=6.82

Editor in Chief

• Dr. Sanjeev Sannakki and M.Tech student co-authored a paper titled "Plant Seedling Classification Using Machine Learning", published at IIIE, Bombay in June 2024.

• In May 2024, Prof. Shubhada Kulkarni published a paper titled "Web Mining for Suspicious Keyword Prominence" in the International Research Journal (TIJER).

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TIJER.ORG | ISSN : 2349-9249

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The Board of

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Is hereby awarding this certificate to

Prof.Shubadha Kulkarni

In recognition of the publication of the paper entitled

Web Mining For Suspicious Keyword prominence

Published in Volume 11 Issue 5, May-2024, | Impact Factor: 8.57 by Google Scholar

Co-Authors - Siddesh Naik,Syuelashrat Desai,Shubadha Kulkarni,Prof.Namitha Bhat, Prof.Ranjana Battur, Prof.Umesh Kulkarni

Paper ID - TIJER2405253

Registration ID - 153610

Editor-In Chief

Certificate of Publication

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Website: www.tijer.org | Email: editor@tijer.org | ESTD: 2014

Karnatak Law Society's

GOGTE INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

" RESUME WRITING "

20 MAY, -2024

• Prof. SagarPujar and Prof. PavanKoralhalli organized a "Resume Writing" workshop on May 20, 2024, for 6th-semester students of CSE and ECE.

•Dr. Arundhati Nelli and Dr. Ranjana Battur coordinated the college-level Orientation Program on "The Impact of Research and Development on the Education System" for faculty and research scholars of VTU-affiliated colleges (Belagavi Zonal Level). This event, organized by KLS Gogte Institute of Technology, Belagavi in association with VTU Belagavi, took place on June 8, 2024.

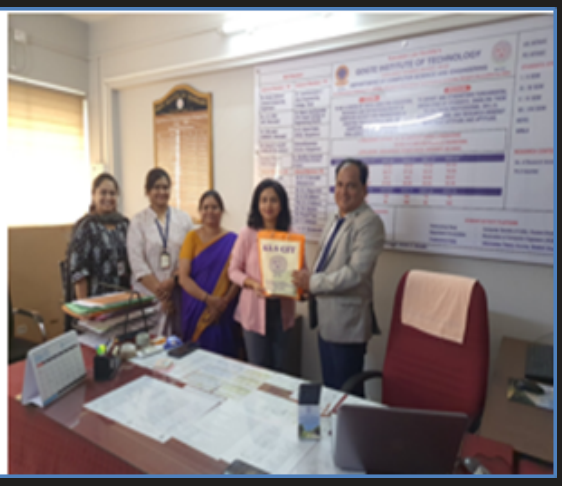
•Arranged Wonderful hands-on session on "Modern Automation tools used in Agile project management" on 14th June 2024,one of our esteemed alumnus & adjunct faculty of CSE and External BOS member Mr Sandeep Tengale , Software design engineer at VISA Bengaluru for 4th semester students. Students appreciated the deliberations n planning

•Dr. Kavita D. Hanabaratti organized the event on 24th April 2024 to provide students and faculty members with valuable insights into the importance of creativity and innovation. World Creativity and Innovation Day (WCID) celebrates the innovative spirit and creative endeavors that drive progress and shape the future. It is a day dedicated to recognizing the significance of creativity and innovation in solving challenges, driving economic growth, and fostering a better world.

THE MORE THAT YOU READ, THE MORE THINGS YOU WILL KNOW. THE MORE THAT YOU LEARN, THE MORE PLACES YOU'LL GO.

•DR. ARATI SHAHAPURKAR & N. V KAREKAR CONDUCTED A SESSION ON "HOW TO PLAN A STARTUP: LEGAL & ETHICAL STEPS". SPEAKER VINAYAK KULKARNI FOUNDER & CEO VANDYAM SOFTWARE SOLUATIONS, BELAGAVI ON 16. JUNE. 2024.

•Dr. Arati Shahapurkar, Namitha Bhat, and Amruta Deshpande organized an expert talk on "AI Landscape & Production Management." The speaker for this event was ChetanaSarang, Founder & CEO of Dattamsh. The event took place on June 19, 2024.



EDUCATION IS THE FOUNDATION UPON WHICH WE BUILD OUR FUTURE.

•Dr. Arati S. Shahapurkar Asst. Prof. Dept of Computer Science and Engineering, KLS GIT, Belagavi. I have been invited as a Resource Person for a seminar on "Project Guidelines" by SangolliRayanna First Grade Constituent College Belagavi.On 20. June. 2024

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The Board of
TIJER - INTERNATIONAL RESEARCH JOURNAL
Is hereby awarding this certificate to
Dr. Kuldeep Sambrekar
In recognition of the publication of the paper entitled
Detection of Drowsiness in Drivers using Deep Learning Techniques
Published in Volume 11 Issue 4, May-2024, | Impact Factor: 8.57 by Google Scholar
Co-Authors - Aneesh Kulkarni,Tanishka Bhise,Mehek Manjucha,Aman Latif
Paper ID - TIJER2404250
Registration ID - 152519
Editor-in Chief
TIJER - INTERNATIONAL RESEARCH JOURNAL
An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal
Website: www.tijer.org | Email: editor@tijer.org | ESTD: 2014
Certificate of Publication
TIJER | ISSN : 2349-9249

• Dr.Kuldeep Sambrekar published a paper on "Detection of Drowsiness in Drivers using Deep Learning Techniques", in Technix International Journal for Engineering Research, Published in Volume 11 Issue 4, TIJER 2404250 May-2024.

THE ROOTS OF EDUCATION ARE BITTER, BUT THE FRUIT IS SWEET.

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TIJER - INTERNATIONAL RESEARCH JOURNAL
Is hereby awarding this certificate to
Dr. Kuldeep Sambrekar
In recognition of the publication of the paper entitled
Innovative Irrigation Solutions for farmers with market driven approach
Published in Volume 11 Issue 4, May-2024, | Impact Factor: 8.57 by Google Scholar
Co-Authors - Vaishnavi Kolekar,Harshini Kulkarni,Kavya Tigadi
Paper ID - TIJER2405006
Registration ID - 152524
Editor-in Chief
TIJER - INTERNATIONAL RESEARCH JOURNAL
An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal
Website: www.tijer.org | Email: editor@tijer.org | ESTD: 2014
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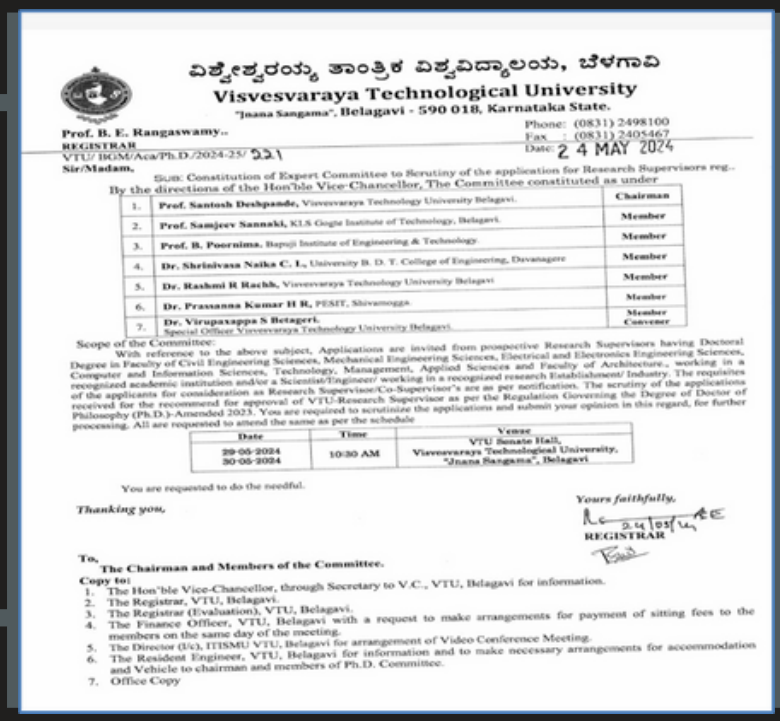
• Dr.Kuldeep Sambrekar published a paper on "Innovative Irrigation Solutions for farmers with market driven approach", in Technix International Journal for Engineering Research, Published in Volume 11 Issue 4, TIJER2405006, May-2024

THE TEACHER WHO IS INDEED WISE DOES NOT BID YOU TO ENTER THE HOUSE OF HIS WISDOM BUT RATHER LEADS YOU TO THE THRESHOLD OF YOUR MIND

FACULTY ACCOMPLISHMENTS



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
Visvesvaraya Technological University
"Jnana Sangama", Belagavi - 590 018, Karnataka State.

Prof. B. E. Rangaswamy..
REGISTRAR
VTU/ BGM/Aca/Ph.D./2024-25/ 22.1
Sir/Madam,

Phone: (0831) 2498100
Fax : (0831) 2405467
Date: 24 MAY 2024

Sub: Constitution of Expert Committee to Scrutiny of the application for Research Supervisors reg..

By the directions of the Hon'ble Vice-Chancellor, The Committee constituted as under

1.	**Prof. Santosh Deshpande,** Visvesvaraya Technology University Belagavi.	**Chairman**
2.	**Prof. Sanjeev Sannakki,** KLS Gogte Institute of Technology, Belagavi.	**Member**
3.	**Prof. B. Poornima,** Bapuji Institute of Engineering & Technology	**Member**
4.	**Dr. Shrinivasa Naika C. L.,** University B. D. T. College of Engineering, Davanagere	**Member**
5.	**Dr. Rashmi R Rachh,** Visvesvaraya Technology University Belagavi	**Member**
6.	**Dr. Prasanna Kumar H R,** PESIT, Shivamogga	**Member**
7.	**Dr. Virupaxappa S Betageri,** Special Officer Visvesvaraya Technology University Belagavi.	**Member Convener**

Scope of the Committee:
With reference to the above subject, Applications are invited from prospective Research Supervisors having Doctoral Degree in Faculty of Civil Engineering Sciences, Mechanical Engineering Sciences, Electrical and Electronics Engineering Sciences, Computer and Information Sciences, Technology, Management, Applied Sciences and Faculty of Architecture., working in a recognized academic institution and/or a Scientist/Engineer/ working in a recognized research Establishment/ Industry. The requisites of the applicants for consideration as Research Supervisor/Co-Supervisor's are as per notification. The scrutiny of the applications received for the recommend for approval of VTU-Research Supervisor as per the Regulation Governing the Degree of Doctor of Philosophy (Ph.D.)-Amended 2023. You are required to scrutinize the applications and submit your opinion in this regard, for further processing. All are requested to attend the same as per the schedule

Date	Time	Venue
29-05-2024 30-05-2024	10:30 AM	VTU Senate Hall, Visvesvaraya Technological University, "Jnana Sangama", Belagavi

You are requested to do the needful.

Thanking you,

Yours faithfully,
REGISTRAR

To,
The Chairman and Members of the Committee.

Copy to:
1. The Hon'ble Vice-Chancellor, through Secretary to V.C., VTU, Belagavi for information.
2. The Registrar, VTU, Belagavi.
3. The Registrar (Evaluation), VTU, Belagavi.
4. The Finance Officer, VTU, Belagavi with a request to make arrangements for payment of sitting fees to the members on the same day of the meeting.
5. The Director (I/c), ITISMU VTU, Belagavi for arrangement of Video Conference Meeting.
6. The Resident Engineer, VTU, Belagavi for information and to make necessary arrangements for accommodation and Vehicle to chairman and members of Ph.D. Committee.
7. Office Copy

Dr. Sanjeev S. Sannakki, being part of the Expert Committee Scrutiny for Research Supervisors at VTU, Belagavi This recognition reflects your expertise and dedication to advancing research

• Dr. Sanjeev S. Sannakki, being selected as a member of the BOS-CS/IS in VTU, Belagavi. This honor highlights your significant contributions and expertise in the field.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Revised-NOTIFICATION

Subject: Constitution of Board of Studies (BoS) in Computer Science & Engineering (CSE/ ISE) for 2022-2025

Reference: Revised Notification No.VTU/BGM/Aca/Boc/2023/238 dated 08-04-2024
BOS CSE / ISE Chairperson's email letter dated 01-05-2024
Hon'ble Vice Chancellor's order dated 03-05-2024

1	Dr. H A Sanjay, Principal, BMS Institute of Technology and management Bengaluru Mobile: +91 9342560303 email_id: sanja.snge@gmail.com	Chairman
2	Dr. Srinivas Naika C. L, Professor, Department of CSE, UBDT College of Engineering , Davangere – 577004, email- naika2s6@gmail.com	Member
3	Dr.K.C. Ravishankar, Professor & Head, Department of CSE, Govt. Engineering College , Moolehosahalli, Shanthigrambeholi, Hassan Dist.573212. email:id: kcrshankar@gmail.com	Member
4	Dr.Prasanna Kumar, Professor, Department of ISE, PES institute of Technology & Management, Cuddalabara Village, Kotenagar Post, Shivamogga Dist. - 577204 email- hrpilstat@gmail.com, email- hrpilstat@gmail.com	Member
5	Dr. Shivamurthy R C, Professor, Department of CSE, Maharaja Institute of Technology, Mysuru, Belawadi, Srirangapattan Tq., Mandya -571 438. Contact: +91 9620220801 0, email: shivamurthyrc@gmail.com	Member
6	Dr.Asha T, Professor, Department of CSE, Bangalore Institute of Technology, K.R.Road, V V Puram, Bengaluru-560 004, Contact: +91 9880511358, email: asha.nsathi@gmail.com	Member
7	Dr.Jalesh Kumar, Professor, Department of CSE, JNN College of Engineering, Navule, Shivamogga – 577 204, Contact: +91-9449423361, email: jaleshkumar@jnnce.ac.in	Member
8	Dr. Demian Antony D'Mello, Professor, Department of CSE,Canara Engineering College, Benjanapadavu, Amminje Village, Bantwal Taluk, Mangaluru – 574219, Contact: 9448216791 , email: demian.antony@gmail.com,	Member
9	Dr. Sanjay Kumar C. Gowre, Professor, Department of CSE, Bheemanna Khandre Institute of Technology, Bhalki – 585 328, Contact: 8951855685, email: sanjaygowre@gmail.com	Member
6	Mr.P.B. Kotur, General Manager & Global Head, Freshers' Engagement Programs & Higher Education , Talent Information, Wipro Ltd., Bangalore,	Member Industry
1	Dr. Dinesh R., Principal Engineer, Samsung Electro -Mechanics, World Trade Centre, Brigade Gateway, Dr.Rajkumar Road, Malleshwaram, Bangalore - 560055	Member Industry
2	Dr. Sumana M, Asso. Professor, Department of ISE, M.S. Ramaiah Institute of Technology, Bangalore – 560054. Email: sumana.m@msrit.edu, Mobile:8861763345	Member
13	Dr. Ravikumar V, Professor & Head, Department of ISE, Vidyavardhaka College of Engineering, Gokulam, Mysuru – 5700002, E-Mail: ravikumarv@vvce.ac.in, Mobile : 9900501968	Member
14	Dr.Sudheer shetty , Professor & Head, Department of ISE, Alva's Institute of Engineering & Technology, Moodbidri – 574 225, Email: sudheershetty06@gmail.com, Mobile : 9980030597	Member
15	Dr. Sheenath Acharya, Professor & Head, Intelligent Computing and Business Systems Department, St Joseph Engineering College (Autonomous), Vamanjoor, Mangaluru – 575028. Email: shreenatha@sjec.ac.in, Mobile : 9964025120	Member
16	Dr.Prakash K Somwanshi, Associate Professor, Department of CSE, Jain College of Engineering & Research, Belagavi-590014. Email : prakashsomwanshi@gmail.com , Mobile : 9731495555	Member
17	Dr.Sanjeev S Sannakki, Professor, Department of CSE, Gogte Institute of Technology, Belagavi – 590006. Email: sannakkisanjeev@git.edu, Mobile : 9448053277	Member
18	Dr. Pradeep N, Dean Academic and Professor, Department of CSE, BIET, Davangere. Email: nsnpradeep@gmail.com, Mobile : 9986086840	Member

The undergraduate Programmes of the constituent and all the Affiliated Colleges of VTU, are covered under this Board of Studies. This Board of Studied replaces the existing Board of Studies and functions until further orders. The new Members of Board of Studies are requested to accept their nomination.

By Order
REGISTRAR

• A special congratulations goes out to Dr. Sharada Kori, Prof. Amruta D., and Prof. JyotiA. for organized a workshop focused on "Coding, mergers, and collaboration" speaker Sarvesh Patil on 6th May 2024.

• Dr. Sharada Kori, Prof. Amruta D., and Prof. Jyoti organized a 5-day Workshop on Revolutionizing Healthcare from 13th - 17th May 2024.

• Dr. Sharada Kori organized a workshop on Programming Hardware: A Software Perspectiveon 02. May 2024 to 22 May 2024

• DR. V.S. RAJPUROHIT CONDUCTED A SESSION ON "RESEARCH PAPER WRITING AND PUBLISHING" AT THE IEEE EVENT 'RESEARCH TO RECOGNITION' ON MAY 3, 2024.

• Dr. Manjula R. presented a paper titled "Big Data Analysis using Semantic and Advanced Analytic Approaches" at the 9th AWM-24 on March 2, 2024.

VENUS INTERNATIONAL FOUNDATION

(Regd. Trust in India dated 20 January 2015 | GSTIN: 33AABTV9686L1ZH | ISO 9001:2008 Certified)
No.1, Ganesh Nagar Main Road, Adambakkam, Chennai – 600088, Tamilnadu, India
Phone: 044 – 22531502 | Web: www.venusinfo.org | Email: contact@venusinfo.org

CENTRE FOR WOMEN DEVELOPMENT

This is to certify that **Dr. Manjula Ramannavar**, KLS Gogte Institute of Technology, Belagavi, India has presented a paper in the title of **"Big Data Analysis using Semantic and Advanced Analytic Approaches"** in the 9th Annual Women's Meet – AWM 2024 (Scientific Conference ISBN: 978-81-969897-4-3 | Theme: To Cultivate Research Spirit and Create a Vibrant Community of Women in Science and Technology) organized by the Centre for Women Development of Venus International Foundation on Saturday 2nd of March 2024 at Green Park Chennai, India.

Director

Further information: https://venusinfo.org/women2024.html

• Dr. Pavan K. and Prof. SudhaS. completed the Project Expo on 11th May 2024.

• Prof. Sudha V.S. published paper in International Research Journal TIJER on the "Optimum approach for building network attached storage system" in April 2024.

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• Prof. SudhaV.S. published paper in the International Research Journal TIJER entitled 'Brain Tumor C: An ML/DL Approach'.

• Congratulations to Dr. Arati Shahapurkar and Dr. Sanggeta S. for completing Ph.D. under the direction of Dr. R.S.Patil.

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Filing Date :NA

(71)Name of Applicant :
1)DR. ARUNDHATI NELLI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, KLS GOGTE INSTITUTE OF TECHNOLOGY, UDHYAMBAG, BELAGAVI, PIN: 590008, STATE: KARNATAKA, COUNTRY: INDIA
2)PROF. SUSHANT MANGASULI
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR. ARUNDHATI NELLI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, KLS GOGTE INSTITUTE OF TECHNOLOGY, UDHYAMBAG, BELAGAVI, PIN: 590008, STATE: KARNATAKA, COUNTRY: INDIA
2)PROF. SUSHANT MANGASULI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, S.G BALEKUNDRI INSTITUTE OF TECHNOLOGY, SHIVABASAV NAGAR, BELAGAVI, PIN: 590010, STATE: KARNATAKA, COUNTRY: INDIA

(57) Abstract :
Presented herein is a method implemented within a server end station of a cloud environment to evaluate the occurrence or likelihood of service level agreement (SLA) breaches. The method entails receiving insight models generated by an insight model builder, each model derived from metrics previously collected from a virtualized infrastructure, and representing specific behaviors within said infrastructure. Additionally, the method involves obtaining real-time metrics from the virtualized environment. Subsequently, for each insight model, the method determines, based on the received real-time metrics, whether one or more services within the virtualized infrastructure are experiencing abnormal states or are anticipated to transition into such states. These abnormal conditions are identified when the insight model detects a deviation from predefined indicators.

No. of Pages : 17 No. of Claims : 10

The Patent Office Journal No. 14/2024 Dated 05/04/2024 33757

•Dr. Arundhati Nelli Published Patent on "Adaptive SLA driven Scheduling System for MultiCloud Architecture with Soft Computing Intelligence " on May 2024.

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•Dr.Arundhati Nelli and Dr. Ranjana Battur for the Appreciation for the role of Session Chair in 5th INCET-2024 on 26.May.2024.

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This is to certify that the article entitled

DEVELOPMENT OF AUTOMATED DOCUMENT IMAGE CLASSIFICATION AND DATABASE REPORT GENERATION SYSTEM

Authored By

Dr.Prashant.Y.Niranjan,
Assistant Professor, Dept.Of Computer Science, KLS Gogte Institute of Technology, VTU University

Published in

Industrial Engineering Journal : ISSN **0970-2555**

Volume : 53, Issue 5, No.10, May : 2024

UGC Care Approved, Group I, Peer Reviewed Journal

with IF=6.82

Editor in Chief

• Dr. Prashant Niranjan. published paper in IIIE, Bombay "Advancement of mechanized record picture classification and database report era" on 10. May. 2024.

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BOMBAY

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This is to certify that the article entitled

ENHANCING FLEET MANAGEMENT EFFICIENCY THROUGH REAL-TIME TRAFFIC PREDICTION: AN HMM-BASED APPROACH

Authored By

Veena Kangralkar
Assistant Professor, Department of Computer Science and Engineering, KLS Gogte Institute of Technology, Belagavi, Karnataka, India

Published in

Industrial Engineering Journal : ISSN **0970-2555**

Volume : 53, Issue 5, No.8, May : 2024

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Editor in Chief

• Prof. Veena K. published paper in IIIE, Bombay, Title: "Enchanting Fleet Managements Efficiency Through Real-time Predication: An HMM Based Approach" on 08. May. 2024 '.

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• Prof. Veena K for completing of NPTEL course "Topics of Selected Algorithms" & "Introduction to Machine Learning".

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for successfully completing the course

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with a consolidated score of 53 %

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ORIGINAL RESEARCH

Efficient algorithm for error optimization and resource prediction to mitigate cost and energy consumption in a cloud environment

Sangeeta Sangani[1] · Rudragoud Patil[2] · R. H. Goudar[3]

Received: 11 November 2023 / Accepted: 2 January 2024 / Published online: 24 February 2024
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Abstract As cloud computing continues to grow, the energy consumption of cloud-edge resources has become a concern, particularly in terms of cost of energy and environmental effects. Therefore, reducing energy consumption in cloud-edge environments is an important issue that needs to be addressed to ensure sustainable and cost-effective cloud services. The existing approaches face challenges in achieving optimized energy consumption and workflow execution delay while maintaining reliability. Therefore, there is a need for a novel approach that can address these challenges and provide an effective solution for managing scientific workflows in a hybrid cloud environment. This paper introduces Resource Prediction and Scheduling Error Optimization (RPSEO), a novel approach for optimizing energy consumption and workflow execution delay in cloud-edge environments. The proposed method leverages a task-ordering web server management system and a soft-computing-based searching algorithm. Evaluation of Epigenomics and SIPHT workflows demonstrates significant improvements, surpassing existing methods Reliability-Aware Cost-Efficient Scientific (RACES), Delay Aware and Performance Efficient Energy Optimization (DAPPEO), and Reliable and Efficient Webserver Management (REWM) with better average energy consumption performance (up to 43.92% and 35.93% for Epigenomics and SIPHT) and cost efficiency (up to 44.53% and 73.50% for Epigenomics and SIPHT). RPSEO emerges as a promising solution for reliable and efficient scientific workflow management in hybrid cloud settings.

Keywords Hybrid cloud · Workload · Energy consumption · Epigenomics · SIPHT

1 Introduction

Cloud computing is a model for delivering computing resources, including storage, servers, networking, databases, analytics, software, and intelligence, over the Internet on a pay-per-use basis. Instead of owning and maintaining their physical infrastructure, companies can use a provider's cloud computing services to access computing resources on demand. Cloud computing has many advantages, such as scalability, low operating costs, and adaptability. It enables organizations to effortlessly adjust the quantity and quality of their computer resources in response to fluctuating demands while incurring only the expenses related to their actual usage. [1]. The cloud has introduced edge servers or data centers as a way to improve the performance of applications and services by moving computing resources closer to end-users or Internet of Things (IoT) devices [2]. Edge servers are a type of distributed computing architecture that enables data processing and analytics to occur closer to where the data is generated. This reduces network latency and improves the overall performance of applications and services. Edge servers typically run on lightweight hardware and are optimized for specific workloads [3]. They can work in conjunction with cloud-based computing resources,

✉ Sangeeta Sangani
sangani.sangeeta@gmail.com

Rudragoud Patil
rspatil@git.edu

R. H. Goudar
rhgoudar@vtu.ac.in

[1] K. L. S. Gogte Institute of Technology, Belagavi, Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, India

[2] Department of CSE, Visvesvaraya Technological University, Belagavi, Karnataka, India

Springer

• DrR. S. Patil sir & Dr. Sangeeta Sangani published paper "Efficient algorithm for error optimization & resource prediction to mitigate cost & energy consumption in a cloud environment" in Q2 publication.

EDUCATION IS THE MOST POWERFUL WEAPON WHICH YOU CAN USE TO CHANGE THE WORLD.

Prof. Namitha B. published paper in the International Journal (IRJMETS) on "Employee Exit Prediction Using Machine Learning Models" on 5th May 2024

IRJMETS

International Research Journal Of Modernization in Engineering Technology and Science

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Certificate of Publication

*This is to certify that author "**Asst. Prof. Namitha Bhat**" with paper ID "**IRJMETS60500197221**" has published a paper entitled "EMPLOYEE EXIT PREDICTION USING MACHINE LEARNING MODELS" in **International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 05, May 2024***

Editor in Chief

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• Prof. Girish Deshpande published a paper in the International Research Journal (TIJER) on "Hand Gesture Recognition Robot using IoT Technique" on 5th May 2024.

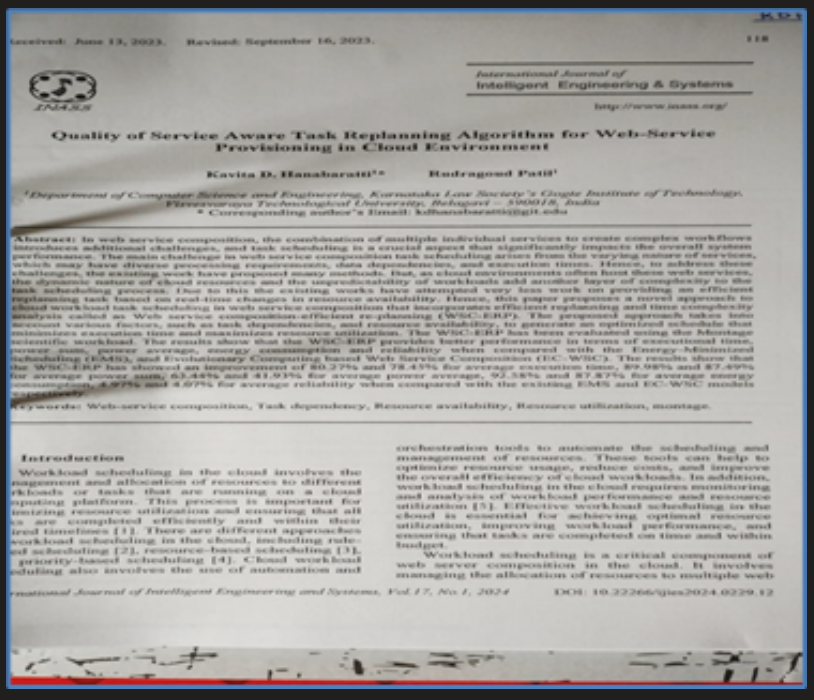
• Dr. Kavta D. Hanabaratti published a paper in the International Journal of Innovation Research in Technology on "Ensemble Learning For Diabetes Prediction: A Comprehensive Approach" on 1st June 2024.

• Prof. Girish Deshpande attended Educationexpo at Hospet on 18th & 19th May 24

• Prof. Shubhada K. and Prof. Raghavendra J. and total of 46 students from various branches in college attended Srishti 2024 in Bengaluru from 24-26 May 24.

EDUCATION IS NOT PREPARATION FOR LIFE; EDUCATION IS LIFE ITSELF.

• Dr. Kavta D. Hanabaratti & Dr. Rudragoud Patil for paper published in the International Journal of Intelligent Engineering & Systems on "Quality of Service Aware Task Replanning Algorithm for Web-Service Provisioning in Cloud Environment" on13h June 2024.



International Journal of Intelligent Engineering & Systems

Quality of Service Aware Task Replanning Algorithm for Web-Service Provisioning in Cloud Environment

Kavita D. Hanabaratti*, Rudragoud Patil

Introduction

• Dr.Kuldeep Sambrekar published a paper on “Privacy-Preserving and Ranked Search Using Advanced Multi-Keyword Scheme Over the Encrypted Cloud Environment”, in the Journal of Electrical Systems, ISSN: 1112-5209.

J. Electrical Systems 20-1s (2024): 353 - 365

[1]Narendra Shyam Joshi

[2]Dr. Kuldeep P. Sambrekar

Privacy-Preserving and Ranked Search Using Advanced Multi-Keyword Scheme Over the Encrypted Cloud Environment

JES Journal of Electrical Systems

Abstract: - In order to enable users to extract useful insights on demand, this paper presents a unique approach for secure and privacy-preserving ranked search in cloud environments. There is a rising need for strong systems that strike a balance between data utility and individual privacy as cloud-based data processing and storage become more and more prevalent. Our suggested methodology makes use of sophisticated multi-keyword operators and encryption methods to offer a safe and effective solution for cloud-based ranked search that protects privacy. Our methodology's essential component is the combination of a safe encryption technique and sophisticated multi-keyword search operators. With this combination, users can do ranked searches on encrypted data while maintaining the privacy of the underlying data. Our approach leverages strong cryptography protocols and an advanced indexing mechanism to provide rapid retrieval of relevant results while protecting confidential information from unauthorized individuals. Secure query processing techniques and encryption are added for added privacy protection. This guarantees that throughout the ranking search operations, the decrypted data cannot be accessed by the cloud service provider or any other parties participating in the data processing pipeline. Users don't have to compromise the privacy of their stored data or expose the exact text of their queries to obtain ranked results based on several keywords. Our technology is especially useful in situations when customers need instantaneous insights from data stored in the cloud without compromising privacy. Our technology protects the secrecy of the underlying datasets while enabling customers to obtain secure insights on demand in a variety of sensitive sectors, including financial analysis and medical research. The suggested method offers a strong and adaptable way to achieve privacy-preserving ranked search in cloud environments. Through the incorporation of sophisticated multi-keyword operators and encryption strategies, our approach guarantees users may effectively obtain pertinent data while maintaining personal privacy. With its ability to provide safe, anytime access to insights stored in cloud-based data repositories, this breakthrough has enormous potential for a variety of applications.

Keywords: Privacy-Preserving, Ranked, Search, Advanced, Multi-Keyword, Operators.

I. INTRODUCTION

Over the last few years, Cloud Computing has dramatically transformed the way data is stored, processed, and accessed across different sectors. The scalability, versatility, and low cost of cloud computing are three of the main reasons why cloud is becoming increasingly popular in both consumer and business settings. However, a major concern is that the data stored on to the cloud server might be unsecure.

The protection of sensitive information by any organization in the cloud from being stolen, lost, or compromised in any other way is an essential component of cloud computing. The cloud environment poses new challenges and dangers, and while classic security solutions such as encryption and access control have been widely adopted, it is possible that they are not sufficient. As a result, innovative approaches are necessary in order to enhance the cloud's data security. This research proposes a hybrid approach that tackles the problem of securing data stored in the cloud by combining Greedy Depth-First Search (DFS) with Ranked searching. We make use of the Greedy DFS algorithm, which is particularly well-suited to searching and traversing large databases, with the goal of achieving the highest possible retrieval efficiency and minimizing the amount of time spent waiting. By utilizing this technology, the solution that is being offered is able to improve the efficiency with which data is retrieved from the cloud. Ranked Searching is incorporated into the hybrid approach so that users' privacy and safety can be improved even more. We can lessen the likelihood of sensitive information getting into the wrong hands if we encrypt it and index it using Ranked Searching. This will help lower the risk of it being stolen.

This method is utilized by the proposed method in order to add an additional layer of protection to safeguard the confidentiality of cloud-based information. The hybrid strategy, which combines quick data retrieval with greater security, is to solve key concerns regarding the safety of cloud computing. A reduction in the likelihood of data breaches, illegal access, and data leaking can be achieved by the optimization of data access and implementing

[1]Department of Computer Science and Engineering, KLS Gogte Institute of Technology, Affiliated to Visvesvaraya Technological University, Belagavi Karnataka, India,joshinarendra50@gmail.com,

[2]Department of Computer Science and Engineering, KLS Gogte Institute of Technology, Affiliated to Visvesvaraya Technological University, Karnataka, India, ,kuldeep.git@gmail.com

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KLS Gogte Institute of Technology, Belagavi, organized "Arohana" through its IEEE Student Chapter. The event featured Dr. Thittaporn Ganokaratanaa, Secretary of the IEEE Thailand Section, as the Chief Guest, and

Dr. Mardeni Roslee, Chair of the IEEE Malaysia Section, as the Guest of Honour. The inaugural and installation of the Board of Directors took place on June 22, 2024, in the Silver Jubilee Auditorium.

KLS Gogte Institute of Technology Hosts Alumni Meet 2024

The Department of Computer Science and Engineering at KLS Gogte Institute of Technology organized a memorable Alumni Meet on 13th July 2024. The event, held at the MBA Seminar Hall, saw a vibrant gathering of alumni from various batches, reuniting to celebrate the cherished moments of their college days.

STUDENTS ACCOMPLISHMENTS

•Dept. of CSE (ACE-CSI) at KLS GIT Successfully Conducts "Insight into Software Testing" Workshop for 2nd Semester Students! On 29.May.24, Ms. SrushtiKadalagia dedicated 4th-semester CSE student, led an engaging and informative workshop titled "Insight into Software Testing" for 2nd-semester students under the prestigious CSI KLS GIT banner. The workshop covered an in-depth overview of the Software Development Life Cycle (SDLC) and testing, providing attendees with critical knowledge and skills. We extend our heartfelt thanks to all the enthusiastic participants for their active involvement, making the workshop a resounding success. Special gratitude goes to: Workshop Coordinators: Prof. PankajaPatil and Dr. KavitaHanabaratti CSI Coordinator: Dr. Sharada Kori for their invaluable support and coordination.Also,lthanks to our HOD, Dr. Sanjeev Sannakki and our Principal, Dr. M. S. Patil, for granting this wonderful opportunity to contribute to our students' learning journey.

• Mr. Harsh Bhandage and Mr. Parth Narvekar secured 1st place in the Paper Presentation competition at Vencer-24, a national-level techno-cultural fest held at Angadi Institute of Technology on May 31 and June 1, 2024.

Miss Srushti Kadalagi (CSE) secured 1st place in UTSARG 2024, an event organized by the IEEE Student Branch on June 8, 2024, at KLS Gogte Institute of Technology, Belagavi

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This Certificate is Proudly Awarded To
Srushti Kadalagi
USN: 2GI22CS162 for securing the First place in UTSARG.
This outstanding achievement was accomplished during the event organized by the IEEE Student Branch on 8th June 2024 at KLS Gogte Institute of Technology, Belagavi.
Your dedication and hard work are truly commendable.
Khushi Patil — IEEE Chair
Prof. Abhishek Deshmukh — Branch Counselor - IEEE Student Branch
Dr. Supriya Shanbhag — HOD - ECE
Prof. S. P. Deshpande — Dean - Student Affairs
Dr. M. S. Patil — Principal

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This certificate is proudly presented to
Mr./Miss. Dhananjay Dharne.
for his/her active participation in the Hackathon event and having secured 3rd place, conducted on the occasion of "ODYSSEY" organized by Student Engagement Cell on 8th and 9th May 2024.
Dr. Uttam Patil — HOD-Computer Science Engineering
Dr. Praveen Y. Chimi — Convenor
Dr. J. Shivakumar — Principal & Director
599/2, T.S.Nagar, Hunchanatti Road machhe, Belagavi - 590014. website: www.jce.ac.in

• Mr. DhananjayDharne secured 3rd place in the Hackathon event of ODYSSEY-24, organized by Jain College of Engineering, Belagavi on 9th May 2024.

• Second-year students from KLS GIT (CSE and ISE), SrushtiKadalagi (CSE), BansidharPatil (ISE), ShivaniRaddi (CSE), and DikshaGunaji (CSE), participated in the 'Code for Green' Hackathon organized by the IEEE AESS Society at BEC College Bagalkote and won first place on June 9, 2024.

• Mr. Om Vasudev secured 2nd place in the National Level 12-Hour TCE Hackathon 2024, organized by Tontadarya College of Engineering, Gadag, on May 2, 2024.

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This Certificate is proudly presented to

Mr./Ms. Om Vasudev

of C.S.E Department, KLS, GOGTE INSTITUTE OF TECHNOLOGY.

for having participated and secured II place in National Level 12 Hrs TCE-Hackathon-2024 organised by Department of CSE & CSD in association with Eyesec Cyber Security Solutions, Belagavi & EIIC, TCE Gadag held on 2nd May 2024.

Mr. Gajendra Deshpande, Chief Guest, Founder, Eyesec Cyber Security
Prof. Trupti K., Convener
Prof. Vijayakumar S. M., HoD CSD
Dr. Ramesh B., HoD CSE
Dr. M. M. Awati, Principal

PLACEMENTS

Palo Alto Networks	45.00 LPA
Ittiam	16.00 LPA
Rakuten	14.00 LPA
TCS (Prime)	9.00 LPA
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STUDENT NAME	L.P.A	COMPANY NAME
Abdul Kalal	9.01	Prime
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Chinmay Rayappa Varur	8.57	Ninja

Danish Sajan	8.51	Tejas
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Harsh Hemant Dalal	8.76	TATA Elxsi
Harshini Deepak Kulkarni	9.57	Mercedes Benz
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Jubedabi Dilawar Sarakhwas	9.14	UNBXD
Kavya Tigadi	9.54	Incture
Khushi Satish Patil	9.35	Mercedes Benz

Kishor Mukund Balgi	9.69	Accenture
Koushalya Venkanagouda Gudadannavar	8.3	Ninja
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Maithili Timmanayakar	8.34	ITC Infotech
Maniprasad V Kadlaskar	9.67	TATA Elxsi
Manjucha Mehek Dhirendra	8.34	Ninja
Megha Ningappa Bannad	8.25	TATA Elxsi
Mohammad Sifan Tofiqahmad Bagsiraj	7.99	Mistral Solutions

Navjeet Singh Kohli	9.64	Accenture
Nikita Shantinath Bhillawade	8.68	TATA Elxsi
Nimisha G J	8.55	Accenture
Omkar Umadi	7.35	Dynalog
Parishkar Singh Rajawat	7.64	Esko
Paritosh Kumar	6.96	Ninja
Patil Omkar Anant	7.09	Ninja
Philbert Dsouza	7.61	
Piyush Shashirkumar Airani	8.38	Maple Labs

Pragnya Santosh Deshpande	9.73	Principal
Prajwal Ghotage	8.96	PwC
Pranav Kulkarni	7.28	Dynalog
Praveen Jugal	9.3	Maple Labs
Pritham Baswani Giryalkar	9.85	Tejas
Prithvi Ashok Shirur	7.45	UNBXD
Priya Mallappa Laddi	9.05	TATA Elxsi
Priyanka Maruti Nilajakar	8.7	TATA Elxsi
Puneet Satish Joshi	8.0	Harman

Rahul Malagouda Patil	9.28	Maple Labs
Reecha Sanjiv Topinkatti	9.72	Comviva
Rishabh	6.92	ninja
Rohan S Shinde	8.37	Ninja
Rohini Prakash Khot	8.97	TATA Elxsi
Rohit Jotiba Khandekar	8.65	Ninja
Rohit Satish Nagmoti	9.63	Infraspec
Rushab Shirish Ganamukhi	7.83	Ninja
Sachi Sadanand Bhat	9.32	Mercedes Benz
Sachinagouda S Patil	7.69	Harman

Sahana Jagadeesh Tavari	9.1	TATA Elxsi
Sahana Sunkad	8.23	TATA Elxsi
Sahil Halgekar	9.85	Esko
Saidarshan Benagi	8.79	Maple Labs
Sanat Kallappa Shankargouda	9.12	TATA Elxsi
Sanjana Surendra Kalyankar	8.11	TATA Elxsi
Sanket Shivaji Patil	9.07	Visteon
Saumitra Bharat Topinkatti	7.38	Infraspec
Shamant Basavaraj Myageri	8.43	TATA Elxsi

Shambhavi Prafull Shirgurkar	8.51	Mercedes Benz
Shivam Arun Karamudi	6.85	Dynalog
Shivani Sunil Patil	7.72	TATA Elxsi
Shivani Vikas Banke	9.69	Infraspec
Shivu Mallikarjun Hiremath	7.74	Dynalog
Shradha Mallikarjun Patil	8.82	Ninja
Shreya	7.91	Mercedes Benz
Shreyakar Ayush	8.96	Maple Labs
Shreyas Hiremath	8.14	Ninja

Shreyas Hiremath	8.14	Ninja
Siddu Koligudd	8.26	TATA Elxsi
Snehal Kallappa Patil	8.82	TATA Elxsi
Someshwar Shidlingappa Kumbari	8.19	Accenture
Sourabh R Patil	8.53	Accenture
Spoorti Anantapur	8.9	Mercedes Benz
Srushti B Mudennavar	8.69	Bosch
Stuti S Kulkarni	8.14	Harman
Sudeep Kulkarni	8.33	Infraspec

Sushmita G Kulali	9.23	Accenture
Sutej S Kulkarni	8.6	Accenture
Swati Shivaji Koli	9.06	IAST
Tanishka Nilesh Bhise	7.7	Dattamsh
Vaibhav P	8.99	DTICI
Varad V Shanbhag	9.31	Ninja
Varun Bogulla	9.26	Accenture
Vedika Naik	9.04	Mu Sigma
Veena S Entettinavar	9.3	Incture
Vijaya Jagadeesh Sakri	9.27	Accenture

Vinit Gunaki	8.25	TATA Elxsi
Yash Basavaraj Herekar	8.11	Vayavya Labs
Yashraj Manjunath Vernekar	9.29	Digital

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