

1. DLD DIGITAL LOGIC DESIGN SUBJECT KNOWLEDGE TRANSFER TO THE STUDENTS FROM THE COLLEGE TEACHING STAFF at ANNAMACHARYA COLLEGE OF ENGINEERING AND TECHNOLOGY KARAKAMBADI TIRUPATI ON 08-04-2024. IBSC COMPUTERS (HONOURS), BSC MATHS(HONOURS) AND BCOM(COMPUTER APPLICATION) STUDENTS PARTICIPATED ALONG WITH COMPUTER SCIENCE INCHARGE DR.BONU SATISH KUMAR.

Dt:19-03-2024

From

Dr M.Sreelatha, Ph.D.
Principal
SVA Govt. Degree College
SRIKALAHASTI -517644

To

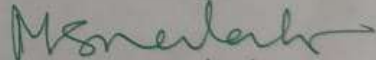
Principal
Annamacharya Engineering College
Karakambadi, Tirupati

Respected Sir,

Sub: Deputing BSc first-year students to your college for DLD lab training –regarding

I bring to your notice that we will enhance learning in the Digital Logic Design lab for first-year Computer Science Honours Degree students. In this regard, please accept our request to provide the lab and give the training for the DLD lab. Please accept our request for training and fix the date for this training for students. Thanking you

Yours faithfully


19/3/2024





Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.66396°
Long 79.49906°
08/04/24 03:23 PM GMT +05:30



Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.663976°
Long 79.499052°
08/04/24 02:17 PM GMT +05:30

GPS Map Camera



Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.663952°
Long 79.499156°
08/04/24 12:27 PM GMT +05:30



Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.664027°
Long 79.499246°
08/04/24 10:37 AM GMT +05:30

 GPS Map Camera





Tirupati, Andhra Pradesh, India

Venkatapuram Village, Renigunta Mandal, Tirupati, Andhra Pradesh 517520, India

Lat 13.663951°

Long 79.499692°

08/04/24 10:37 AM GMT +05:30

 GPS Map Camera

Google

**Annamacharya institute of
technology and sciences AITS**

Prof. C. Nadhamuni Reddy, M.Tech.,

Ph.D.,MISTE,M.O.R.I.S.I.,FIE

Principal

Mobile No.: + 91-9948149222

Email: aitstpt@gmail.com

Website: www.aitstpt.edu.in

**Address: Karakambadi Road,
tirupati – 517520**

Tirupati Dt.,

Andhra Pradesh

Phone No.: 0877 – 2285609

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Dr BONU SATISH KUMAR**, Assistant Professor, Computer Science Department at S.V.A. Government Degree College Srikalahasti attended the Students Enhancing Learning for Digital Logic Design Subject held at our institution on 08-04-2024. During this program, he actively participated in various sessions with his degree students, gaining valuable insights and knowledge in digital logic design.

We are confident that he will apply the knowledge and skills acquired during this program effectively in his teaching endeavours, contributing to the overall academic excellence of our institution. This certificate is issued at the request of the faculty, as mentioned above member, for their professional development records.

Yours sincerely



Dr. C. Nadhamuni Reddy

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (Vill.)
RENIGUNTA (M), TIRUPATI-517 520

**Annamacharya institute of
technology and sciences AITS**

Prof. C. Nadhamuni Reddy, M.Tech.,

Ph.D., MISTE, M.O.R.I.S.I., FIE

Principal

Mobile No.: + 91-9948149222

Email: aitstpt@gmail.com

Website: www.aitstpt.edu.in

**Address: Karakambadi Road,
tirupati – 517520**

Tirupati Dt.,

Andhra Pradesh

Phone No.: 0877 – 2285609

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **D. Lavanya**, Lecturer in Computer Science Department at S.V.A. Government Degree College Srikalahasti attended the Students Enhancing Learning for Digital Logic Design Subject held at our institution on 08-04-2024. During this program, he actively participated in various sessions with his degree students, gaining valuable insights and knowledge in digital logic design.

We are confident that he will apply the knowledge and skills acquired during this program effectively in his teaching endeavours, contributing to the overall academic excellence of our institution. This certificate is issued at the request of the faculty, as mentioned above member, for their professional development records.

Yours sincerely



Dr. C. Nadhamuni Reddy

PRINCIPAL
ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
VENKATAPURAM (VIII.)
RENIGUNTA (M), TIRUPATI-517 520

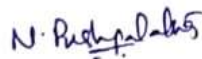
Annamacharya institute of technology and sciences AITS
Department of Electronics and Communications

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Dr BONU SATISH KUMAR**, Assistant Professor, Computer Science Department at S.V.A. Government Degree College Srikalahasti attended the Students Enhancing Learning for Digital Logic Design Subject held at our institution on 08-04-2024. During this program, he actively participated in various sessions with his degree students, gaining valuable insights and knowledge in digital logic design.

We are confident that he will apply the knowledge and skills acquired during this program effectively in his teaching endeavours, contributing to the overall academic excellence of our institution. This certificate is issued at the request of the faculty, as mentioned above member, for their professional development records.

Yours sincerely



HEAD
Dr. N. PUSTIPALATHA
Dept. of Electronics & Communication Engg.
Annamacharya Institute of
Technology & Sciences, THIRUPATI-517 520

2. Cyber security awareness program organized by the central government named “cyber hygiene” on 03-04-2024 at the college skill development lab ground floor. STAFF AND BSC STUDENTS, BCOM, AND BA STUDENTS (FIRST AND SECOND YEAR) PARTICIPATED ALONG WITH COMPUTER SCIENCE IN CHARGE DR. BONU SATISH KUMAR.

Commissionerate of Collegiate Education							
Webinar(03-04-2024) by UGC on Cyber Hygiene -Report(**Pls fill out the form after attending the webinar ie on 03-04-2024 at 2:00PM to 3:00PM**)							
SLNo	District	College Name (Degree College)	Has Your Institution Attended the Webinar on Cyber Crime	Number of Staff attended	Number of Students attended		Total
					Boys	Girls	
106	Tirupati	GDC Sullurpet					
107	Tirupati	GDC Gudur	Yes	26		43	182
108	Tirupati	GDC Venkatagiri					
109	Tirupati	GDC (W) Srikalahasti	Yes	10	0	151	161
110	Tirupati	GDC (M) Srikalahasti	Yes	20	99	43	162
111	Tirupati	GDC Puttur	Yes	23	121	82	203
112	Tirupati	GDC Pakala	Yes	6	65	42	107
113	Tirupati	GDC Satyavedu	Yes	9	42		59
114	Chittoor	GDC (W) Chittoor				205	
115	Chittoor	PVEN GDC (M) Chittoor	Yes	52	255	423	678







 **GPS Map Camera**



Srikalahasti, Andhra Pradesh, India
PPV6+94W, Srikalahasti - Pichatur Rd, Kondamitta, Srikalahasti, Basavaiahpalem, Andhra Pradesh
517644, India
Lat 13.743894°
Long 79.70982°
03/04/24 02:33 PM GMT +05:30

3. Dr Bonu Satish Kumar from the Computer Science Department has completed the NEP 2020 orientation and sensitization programme under the Malaviya mission teacher training programme(mm-ttp) of the University GRANTS Commission organized BY CENTRAL UNIVERSITY OF PUNJAB BATHINDA FROM 18TH DECEMBER TO 27TH DECEMBER.QUALIFIED EXAM IN 1ST APRIL 2024.





satish kumar <vsp.satish@gmail.com>

Certificate of MMTTC Programme - 18th December to 27th December 2023

2 messages

Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>
To: satish kumar <vsp.satish@gmail.com>

Wed, Apr 3, 2024 at 12:50 PM

Dear Sir/Ma'am,
Greetings!

We thank you and congratulate you on the successful completion of the Two Weeks Online Programme on 'NEP Orientation & Sensitisation Programme' conducted by Malaviya Mission Teacher Training Centre at Central University of Punjab, Ghudda, Bathinda from 18th to 27th of December 2023 under Malaviya Mission Teacher Training Programme of University Grants Commission, Ministry of Education, Government of India.

We will continue to seek your support and cooperation in future also.

With best wishes and regards,
Dr. Vinod Arya
Director
MMTTC at Central University of Punjab

 **Dr Bonu Satish Kumar.pdf**
273K

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>

Wed, Apr 3, 2024 at 7:18 PM

Thank you sir
[Quoted text hidden]

11/04/2024, 06:52

Gmail - Attendance Shortage in the MMTTC Program - 18th to 27th December, 2023

Dear Sir,
Greetings!

Attending all the sessions is compulsory as per UGC Guidelines of MMTTC.

You can attend the missed sessions in our forthcoming programmes with prior approval and NOC from your institution.

Sincerely,
MMTTC
Central University of Punjab
[Quoted text hidden]

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>

Sat, Jan 27, 2024 at 4:25 PM

how can i get prior approval please send me process.
[Quoted text hidden]

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>

Sat, Jan 27, 2024 at 5:33 PM

i have attended regularly sir please check my presence and confirm
find the enclosed mail which shows my attendance
[Quoted text hidden]



WhatsApp Image 2024-01-27 at 4:50:58 PM.jpeg
94K

Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>
To: satish kumar <vsp.satish@gmail.com>

Sat, Jan 27, 2024 at 5:44 PM

Out of 16 sessions you have attended 10 sessions sir.
[Quoted text hidden]



satish kumar <vsp.satish@gmail.com>

Attendance Shortage in the MMTTC Program - 18th to 27th December, 2023

9 messages

Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>
To: satish kumar <vsp.satish@gmail.com>

Sat, Jan 27, 2024 at 4:01 PM

Dear Sir,
Greetings!

This is to inform you that your overall attendance for the Two-Weeks Online Programme on NEP Orientation & Sensitisation Programme' conducted by Malaviya Mission Teacher Training Centre at Central University of Punjab, Ghudda, Bathinda from 18th to 27th of December 2023 under Malaviya Mission Teacher Training Programme of University Grants Commission, Ministry of Education, Government of India is 10 out of 16 sessions. As all the sessions were mandatory to attend, therefore, you are not eligible to receive the completion certificate as per the UGC guidelines.

In order to receive the certificate, you have to attend the remaining sessions in our forthcoming programmes, with prior approvals and NOC from your institution.

Sincerely,
Dr. Vinod Arya
Director
MMTTC at Central University of Punjab

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>

Sat, Jan 27, 2024 at 4:11 PM

I have attended all the sessions without an absence. But one day I was absent from my duty.
please check my presence in the sessions.
thanks and regards
DrB. Satish Kumar
[Quoted text hidden]

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>

Sat, Jan 27, 2024 at 4:16 PM

please check the attendance, otherwise allow me for the next training session for your organization
[Quoted text hidden]

Malaviya Mission Teacher Training Centre <mmttc@cup.edu.in>
To: satish kumar <vsp.satish@gmail.com>

Sat, Jan 27, 2024 at 4:17 PM

11/04/2024, 06:52

Gmail - Attendance Shortage in the MMTC Program - 18th to 27th December, 2023

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmtc@cup.edu.in>

Sun, Jan 28, 2024 at 11:15 AM

sir
consider my request as I am working in a college in a rural area I attended all the sessions, but sometimes I used to face internet issues so that it might be the reason ...could you consider the attendance and issue a certificate.
thanks and regards

[Quoted text hidden]

satish kumar <vsp.satish@gmail.com>
To: Malaviya Mission Teacher Training Centre <mmtc@cup.edu.in>

Mon, Jan 29, 2024 at 9:10 AM

Sir when can I attend the remaining 6 classes to get the completion of the course send me approval
[Quoted text hidden]

4. Dr Bonu Satish Kumar, Government Degree College has participated in the One Day International Lecturer, SVA Webinar on “Recent Advances in Nanotechnology” organized by the Department of Physics in collaboration with IQAC, Government Degree College (Women), Srikalahasti on April 03, 2024



5. Dr Bonu Satish Kumar from the Computer Science Department has participated in the One Week Online National Faculty Development Program on “Data Visualization Using Tableau” conducted from 1st to 5th April 2024, organized by the Department of Computer Science and Engineering Mohan Babu University Tirupati, Andhra Pradesh & EXCELR Pvt. Ltd.



6. The internship program awareness “Launch of APSCHE guided internships, projects & excelR finishing school” , facilitated by a collaborative effort between EXCEL-R and APSCHE, offers SVA GDC SKHT Lecturers a platform to engage with current industry practices.. Through interactive workshops and firsthand experiences, lecturers gain invaluable insights to enrich their teaching methodologies. This initiative strengthens the bond between academia and industry, ensuring lecturers are equipped to prepare students for real-world challenges. With APSCHE's support, this program empowers SVA GDC SKHT Lecturers to stay updated and relevant in their fields. Dr Varma, Vice Principal. Dr Bonu Satish Kumar, Lecturer in charge of Computer Science , Dr A.Ravi Prasad, Lecturer in charge of Computer Application

Dr Munaiah, Lecturer in charge of Computer Applications, Dr M.Parandamaiah Lecturer of Physics, Sri T.Ramasunkanna Lecturer of Physics, and others faculty members participated on 27-4-24 at Elite Grand Hotel Tirupati.



YOUR
**PLACEMENT
GOALS,**
OUR PRIORITY!

FOR ANY QUERY
CONTACT WITH US @



8123416750; 779565458

edl@excelr.com



EXCEL R
**CRAFTING SKILLS,
BUILDING CAREERS**
OVER A DECADE!



5000+
RECRUITMENT PARTNERS



4Lakh +
LEARNERS TRAINED



30,000+
FACULTY TRAINED



+91 89041 30509

online

Forwarded

Gentle Reminder for TODAY !!

Thanks for Confirming to Attend today's session ...!!

Launch of APSCHE Guided Internships, Projects & ExcelR Finishing School !!



Date: Saturday, 27th April 2024



Time: 10:00 AM - 12:00 Noon



Venue: Hotel Elite park , padmavati Nagar , 1-60/2, near mango Mandi Tirupati, andhrapradesh, 517502

<https://g.co/kgs/CY6QMx>

Discussion Highlights:



Program Flow & Description of **APSCHE Guided Internships & Projects** !



Program Description & **Industry alignment & Mentoring**



Details on **Industry Real Life Case Study based Mentoring Approach** !



Job Oriented **ExcelR Finishing School Launch** !



*Long Term Collaboration on Placement Oriented Training! *

Activities:

1. Attend and participate with interaction at **Seminar: 10 AM to 12 Noon**
4. Please **join us for Lunch from 12:30 to 1:15 PM** at the Venue

Please join us for Tea at 9:45 AM 🙏

8:15 am















ALUMNI MEETING WAS CELEBRATED ON DECEMBER 25, 2024

The alumni meeting of SVA Government Degree College, Srikalahasti, was joyously celebrated on December 25, 2024 for the batch 1980-1983. The event brought together former students from various batches, fostering camaraderie and nostalgia as they relived cherished memories of their college days.

The program featured cultural performances, heartfelt speeches from distinguished alumni, and discussions on strengthening alumni networks. The gathering concluded with a shared vision for contributing to the college's development and supporting current students.

Our college Principal, Dr. K. Sri Narasimhavarma, along with other distinguished guests, graced the event with their presence. Notable attendees included Dr. B. Satish Kumar, Dr. T. Sudheer, Dr. Bapanaiah.







Dr. B. Satish Kumar published a paper in EAI/SPRINGER Innovations in Communications and Computing

Dr. B. Satish Kumar published a paper in EAI/SPRINGER Innovations in Communications and Computing Chapter2 in December 2024. This publication is a significant achievement, as it reflects the quality and originality of his work. The journal is known for its rigorous review process, ensuring that only high-quality research is shared with the academic community.

The paper, titled "Secure and Covert Communication Through Steganography and Encryption in Digital Images for Robust Data Protection," explores advanced techniques for protecting data. Dr. Satish Kumar's research focuses on using steganography and encryption to secure communication in digital images. Steganography involves hiding data within other data, while encryption scrambles the data to prevent unauthorized access. Together, these techniques provide a strong method for safeguarding sensitive information.

Published in December 2024 in EAI/SPRINGER Innovations in Communications and Computing Chapter2 , this paper contributes valuable insights into the field of data protection and digital security. Dr. Satish Kumar's work highlights the importance of developing robust methods to protect data in an increasingly digital world. His research has practical applications in various areas, including secure communications, digital forensics, and privacy protection.

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EAI/Springer Innovations in Communication and Computing

Debnath Bhattacharyya
Rajib Ghosh *Editors*

EAI International Conference on Computational Intelligence and Generative AI

EAI/Springer Innovations in Communication and Computing

Series Editor

Imrich Chlamtac, European Alliance for Innovation, Ghent, Belgium

The impact of information technologies is creating a new world yet not fully understood. The extent and speed of economic, life style and social changes already perceived in everyday life is hard to estimate without understanding the technological driving forces behind it. This series presents contributed volumes featuring the latest research and development in the various information engineering technologies that play a key role in this process. The range of topics, focusing primarily on communications and computing engineering include, but are not limited to, wireless networks; mobile communication; design and learning; gaming; interaction; e-health and pervasive healthcare; energy management; smart grids; internet of things; cognitive radio networks; computation; cloud computing; ubiquitous connectivity, and in mode general smart living, smart cities, Internet of Things and more. The series publishes a combination of expanded papers selected from hosted and sponsored European Alliance for Innovation (EAI) conferences that present cutting edge, global research as well as provide new perspectives on traditional related engineering fields. This content, complemented with open calls for contribution of book titles and individual chapters, together maintain Springer's and EAI's high standards of academic excellence. The audience for the books consists of researchers, industry professionals, advanced level students as well as practitioners in related fields of activity include information and communication specialists, security experts, economists, urban planners, doctors, and in general representatives in all those walks of life affected ad contributing to the information revolution.

Indexing: This series is indexed in Scopus, Ei Compendex, and zbMATH.

About EAI - EAI is a grassroots member organization initiated through cooperation between businesses, public, private and government organizations to address the global challenges of Europe's future competitiveness and link the European Research community with its counterparts around the globe. EAI reaches out to hundreds of thousands of individual subscribers on all continents and

Chapter 2

Comprehensive Study of Algorithms for Suppressing Impulse Noise in Digital Color Images



Chukka Demudu Naidu , Prasad Kaviti, Samuel G. Pandit, and Satish Kumar Bonu

Abstract Image pre-processing is a crucial procedure employed to refine images, making them more visually appealing to humans and facilitating more effective information extraction. Several state-of-the-art methods have been proposed for the purpose of removing noise from images, particularly those afflicted by impulsive noise. This research centers on the examination and evaluation of various noise reduction algorithms, specifically those rooted in the median filter and its advanced nonlinear counterparts. The research also emphasizes the methodologies for tackling impulsive noise de-noising with machine learning techniques. Furthermore, the study sheds light on the shortcomings of one particular approach and suggests potential remedies by considering alternative methods. The evaluation of various state-of-the-art algorithms involves assessing their performance using metrics such as root mean square error (RMSE), peak signal-to-noise ratio (PSNR), and structural similarity index measure (SSIM). The Bayesian selective median filtering (BSMF) method shows a percentage increase in PSNR (average of approximately 14.48%) and a decrease in RMSE (average of approximately 0.0001) compared to other methods.

Two Students selected in TCS Company under the guidance of Dr.B.Satish Kumar

Two students from SVA Government Degree College achieved a significant milestone by securing placements in TCS Company. Their success was guided by the mentorship of Dr. B. Satish Kumar, whose dedicated efforts were instrumental in their achievement.

The principal of the college, Dr. K. Narasimha Varma, expressed his appreciation for the accomplishment, commending both the students and their mentor. This recognition highlights the college's commitment to fostering excellence and preparing students for professional success.

ఎస్వీఎస్ విద్యార్థులకు టీసీఎస్‌లో ఉద్యోగం



విశాలాంధ్ర-శ్రీకాళహస్తి:

శ్రీకాళహస్తి పట్టణంలోని శ్రీ విద్యా ప్రకాశానంద ప్రభుత్వ పురుషుల డిగ్రీ కళాశాలలో బీయస్సీ గ్రాడ్యుయేషన్ పూర్తి చేసిన సుధీర్ బాబు, జగదీష్ అనే విద్యార్థులు టీసీఎస్ లో ఉద్యోగం సాధించారు. ఈ

ఇద్దరినీ టీసీఎస్ కంపెనీ వారు గ్రాడ్యుయేట్ ట్రైనినీలుగా ఎంపిక చేసుకున్నారు. ప్రభుత్వ కళాశాలలో చదివి టీసీఎస్ కంపెనీలో ఉద్యోగం సాధించిన సుధీర్ బాబు, జగదీష్ ను మంగళవారం కళాశాల ప్రెస్సిపాల్ డాక్టర్ కె.నరసింహవర్మ సన్మానించారు. ఈ విద్యార్థులకు ప్రత్యేక తర్ఫీదు ఇచ్చిన కంప్యూటరు సైన్సు విభాగాధిపతి బి.సతీష్ కుమార్, ఆప్టిట్యూడ్, రీజనింగ్ లో శిక్షణ ఇచ్చిన జేకేసీ ఎఫ్టీఎం గిరిజను ఆయన అభినందించారు. ఈ కార్యక్రమంలో అధ్యాపకులు డాక్టర్ పరంధామయ్య, డాక్టర్ రాజేంద్రుడు, డాక్టర్ గంగారాం తదితరులు పాల్గొన్నారు.

1. Dr B.Satish Kumar, Lecturer in Computer Science Department, participated in a Faculty development program on NLP, COMPUTER VISION AND AI organized by ANDHRA PRADESH State Skill Development Corporation (APSSDC) in collaboration with ExcelR Edtech Pvt—Ltd from 4th Dec to 8th Dec 2023.



2. I went on a field trip at Annamacharya Institute of Technology and Management Science Tirupati for training or enhancing learning of IoT (Internet of Technology)subject knowledge with hands-on experience. Knowledge was shared by the faculty member from Annamacharya Institute of Technology and Management Science Tirupati on 14-12-2023 with computer science lecturer Dr. B. Satish Kumar
SVA GOVERNMENT DEGREE COLLEGE SRIKALAHASTI.

To :

Dr M.Sreelatha Ph.D.
Principal
SVA Govt. Degree College
SRIKALAHASTI -517644

Sir,

Sub: Requesting to Deputing BSc final year students to your college for IOT training- Regarding.

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I bring to your notice that we don't have the facility to train IOT labs for BSc final-year students. They will write semester exams at the end of this month. Please accept our request to permit one day for the training IOT lab on 14-12-2023 at Annamacharya College of Engineering and Technology, Tirupati. Please accept our request to attend the training.

Thanking you,

Yours faithfully

Satish Kumar

Dr.B.Satish Kumar,
Lecturer in Computer Science
SVA Govt. Degree College
Srikalahasti, Tirupati District

permitted
MS
11/12/2023



Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.663868°
Long 79.499126°
14/12/23 12:07 PM GMT +05:30

GPS Map Camera

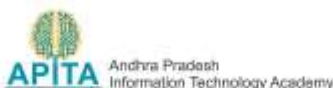


Tirupati, Andhra Pradesh, India
venkatapuram, Tirupati, Andhra Pradesh 517507, India
Lat 13.663872°
Long 79.499131°
14/12/23 10:22 AM GMT +05:30

GPS Map Camera



1. Dr B.Satish Kumar, Lecturer in Computer Science Department, successfully completed 30 hours of online facilitator Training program on AI Fluency, Digital Productivity. and Employability skills offered by Microsoft in collaboration with Andhra Pradesh Information Technology Academy under Microsoft Diversity Skilling Program with implementation partner Infispark Foundation from 18-12-2023 to 22-12-2023



Certificate of Completion

This is to certify that

BONU SATISH Kumar

has successfully completed 30 hours of online Facilitator Training Program on AI Fluency, Digital Productivity, and Employability Skills offered by Microsoft in collaboration with Andhra Pradesh Information Technology Academy under

Microsoft Diversity Skilling Program

with implementation partner Infispark Foundation from 18-12-2023 to 22-12-2023.



Scan QR code to know more about the program

Prof. D.V. Rama Koti Reddy,
Chief Executive Officer,

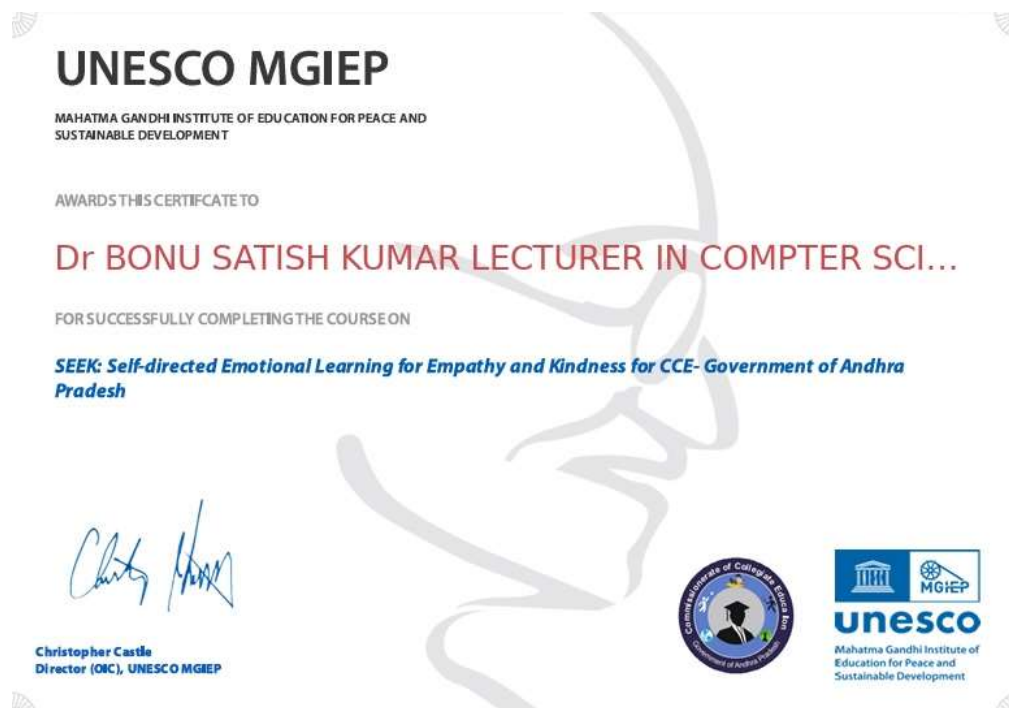
Andhra Pradesh Information Technology Academy



2. Dr B. Satish Kumar, Lecturer in the Computer Science Department, participated in ONE WEEK INTERNSHIP ON MOBILE APPLICATION DEVELOPMENT USING FLUTTER organized by Dr.Pallamsetti INNOVATIONS VISAKHAPATNAM ANDHRA 8th Jan to Jan 13th 2023.



3. Dr B. Satish Kumar, Lecturer in the Computer Science Department, participated in ONE DAY UNESCO MGIEP courses seek and sel non-residential training of trainers programme(TOT) organized by NodalResourceCentre GDC NAGARI on 24-01-2024. After completing the course, I obtained both course certificates.



UNESCO MGIEP

MAHATMA GANDHI INSTITUTE OF EDUCATION FOR PEACE AND
SUSTAINABLE DEVELOPMENT

AWARDS THIS CERTIFICATE TO

Dr B SATISH KUMAR SVA GDC COMPUTER SCIENCE

FOR SUCCESSFULLY COMPLETING THE COURSE ON

SEL for Youth Waging Peace for CCE- Government of Andhra Pradesh



Christopher Castle
Director (OEC), UNESCO MGIEP



4. Dr B. Satish Kumar, Lecturer in the Computer Science Department, participated in ONE WEEK INTERNSHIP ON GOOGLE CLOUD PLATFORM organized by Dr.Pallamsetti INNOVATIONS VISAKHAPATNAM ANDHRA 23rd Jan to Jan 27th 2023.



5. Dr B.Satish Kumar, Lecturer in Computer Science Department, with his help the following faculty of SVA Government degree college succes completed online facilitator Training program on AIFluency, Digital Productivity. and Employability skills offered by Microsoft in collaboration with Andhra Pradesh Information Technology Academy under Microsoft Diversity Skilling Program with implementation partner Infispark Foundation from 18-12-2023 to 22-12-2023



1. Dr B.Satish Kumar, Lecturer in Computer Science Department, under my SPOC for SVA Government Degree College successfully completed 3 One Week Faculty Development Programme on Generative AI organized by the Department of Electronics and Telecommunication ,DY PATIL COLLEGE OF ENGINEERING ,AKURDI,PUNE with PANTECH E LEARNING conducted on 04 February to 09 February through online mode successfully.



2. Dr B.Satish Kumar, Single Point Of Contact APSSDC ,Lecturer in Computer Science Department, under my SPOC for SVA Government Degree College successfully completed 30 hours of online facilitator Training program on Campus Recruitment and Training by APSSDC Andhra Pradesh from 06-02-2024 to 22-02-2024. On 23-02-2024 sixty students from all groups in the college have been successfully written the final exam.







నైపుణ్యంతోనే అభివృద్ధి

శ్రీకాళహస్తి, ఏప్రిల్ 24: నైపుణ్యంతోనే జీవితంలో అభివృద్ధి సాధ్యమని శ్రీకాళహస్తి ప్రభుత్వ పురుషుల డిగ్రీ కళాశాల ప్రిన్సిపాల్ శ్రీలత అన్నారు. పట్టణంలోని కళాశాలలో శనివారం ఆంధ్రప్రదేశ్ నైపుణ్య అభివృద్ధి సంస్థ ఆధ్వర్యంలో క్యాంపస్ రిక్రూట్మెంట్ ట్రైనింగ్ వరీక్ష నిర్వహించారు. ఈ సందర్భంగా ప్రిన్సిపాల్ శ్రీలత మాట్లాడుతూ విద్యార్థికి నైపుణ్యం ఎంతో అవసరమని వివరించారు. ఈ కార్యక్రమంలో అభివృద్ధి సంస్థ ప్రతినిధి సతీష్ కుమార్, వైస్ ప్రిన్సిపాల్ మురళి, అధ్యాపకులు రాజేంద్రుడు తదితరులు పాల్గొన్నారు.

సీఆర్‌టీ క్యాంపస్ లిక్చూర్‌మెంట్ ట్రైనింగ్

శ్రీకాశహస్తి: పట్టణంలోని ఎస్సీఎ ప్రభుత్వ పురుషుల డిగ్రీ కళాశాలలో శనివారం ఏపీఎస్‌ఎస్ డీసీ ఆంధ్రప్రదేశ్ స్టేట్ స్కీల్ డెవలప్‌మెంట్ కార్పొరేషన్ ఆధ్వర్యంలో



హాజరైన విద్యార్థులు

సీఆర్‌టీ పరీక్ష నిర్వహించారు. రాష్ట్ర స్థాయిలో జరిగిన ఈ పరీక్షలకు సుమారు 60మంది విద్యార్థులు హాజరయ్యారు. కార్యక్రమంలో ప్రిన్సిపల్ డాక్టర్ ఎం.శ్రీలత, వైస్ ప్రిన్సిపల్ డాక్టర్ మురళి, ఏపీఎస్‌ఎస్‌డీసీ ఎస్పీవోసీ డాక్టర్ బోను సతీష్ కుమార్ పాల్గొన్నారు.

శ్రీసిటీలో వైభవంగా త్యాగరాజ ఆరాధనోత్సవం

3. DR.Bonu Satish Kumar Lecturer in Computer Science Department Organized One day FDP COURSE ON Mastering Research Paper Writing Co-ordination Dr A.Shanmukh Srinivas Assistant Professor GITAM University ,Visakhapatnam on 03-02-2024



Data Collection and Analysis

Data Collection Methods

- Methods of Data Collection (e.g., surveys, experiments, interviews)
- Ethical Considerations in Data Collection

Data Analysis

- Techniques for Data Analysis
- Software Tools for Data Analysis (e.g., SPSS, Excel)



The Journal of International Systems and Engineering (JISE) (2024-2025)
April 2024 (2024-04-01)

03/02/2024

 **GPS Map Camera**



Google

Srikalahasti, Andhra Pradesh, India

PPV6+94W, Srikalahasti - Pichatur Rd, Kondamitta, Srikalahasti, Basavaiahpalem, Andhra Pradesh
517644, India

Lat 13.743907°

Long 79.709818°

03/02/24 12:14 PM GMT +05:30



GPS Map Camera

Srikalahasti, Andhra Pradesh, India

PPV6+94W, Srikalahasti - Pichatur Rd, Kondamitta, Srikalahasti, Basavaiahpalem, Andhra Pradesh
517644, India

Lat 13.743908°

Long 79.709816°

03/02/24 12:13 PM GMT +05:30

Google



CERTIFICATE of Participation



This certificate is proudly presented to :

K. R. Rohith Kumar Lecturer, GDCW, SRIKALAHASTI

Participated in 1 Day Workshop on "Unlocking Excellence A research paper writing"
organized by SVA GOVT DEGREE COLLEGE, SRIKALAHASTI in
Collaboration with The Journal of Computational Science and Engineering
On 3RD FEB 2024

A. Ravi Prasad
Organizer

Dr. B. Satish Kumar
Organizer

Dr. M. Sreelatha
Principal

Dr. A. Shanmukh Srinivas
Chief Editor TJCSE

నైపుణ్యంతోనే అభివృద్ధి

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Participated Computer Department Staff and Students in CLEAN AND GREEN PROGRAMME JANUARY 31, 2025

The Computer Science Department Staff and Students of SVA Government Degree College, Srikalahasti, participated CLEAN AND GREEN PROGRAMME JANUARY 31, 2025. The event brought together former students from various batches, fostering camaraderie and nostalgia as they relived cherished memories of their college days.

The program featured cultural performances, heartfelt speeches from distinguished alumni, and discussions on strengthening alumni networks. The gathering concluded with a shared vision for contributing to the college's development and supporting current students.

.Our college Principal Dr. Y. NagaRaja Naidu and Vice Principal Dr. K. Sri Narasimhavarma, along with other lectures including Dr. B. Satish Kumar Computer Science Incharge present in the event.



Dr. B. Satish Kumar, Staff and students open day celebrations

SVA Government Degree College, Srikalahasti, Tirupati, hosted its **Open Day Celebrations** on **January 30, 2025**, to provide aspiring students with insights into the various degree programs offered by the institution. The event aimed to guide prospective students on academic opportunities, career prospects, and campus facilities. Faculty members and senior students actively participated, sharing their experiences and addressing queries regarding course structures, admission procedures, and scholarship options. The celebration also featured interactive sessions, department showcases, and lab demonstrations, giving students a firsthand experience of the learning environment at SVA GDC.

The event witnessed enthusiastic participation from students, parents, and educators, making it an engaging platform for academic exploration. Special stalls were set up to provide information on **Arts, Science, and Commerce** streams, along with extracurricular activities and placement opportunities. Motivational talks from distinguished alumni and guest speakers inspired students to make informed career choices. The **Open Day Celebrations** concluded on a positive note, with students expressing appreciation for the opportunity to explore the institution and seek guidance on their future educational paths. In town rayalaseema junior college, MGM college, Government Boys and Girls Junior college a, Vami Junior College students visited our department as well as College.

Our college Principal Dr. Y. NagaRaja Naidu and Vice Principal Dr. K. Sri Narasimhavarma, along with other lectures including Dr. B. Satish Kumar Computer Science Incharge present in the event.



Dr. B. Satish Kumar, Staff and students participated in leprosy medical camp

SVA Government Degree College, Srikalahasti, Tirupati, hosted its Leprosy Medical Camp on **January 30, 2025**. SVA GDC, Srikalahasti, in collaboration with the Medical Department of the Andhra Pradesh Government, is organizing a **Leprosy Medical Camp** on **January 30, 2025**. This initiative aims to spread awareness, provide early diagnosis, and offer free medical treatment for individuals affected by leprosy. The camp will include expert consultations, health check-ups, and distribution of essential medicines. Special awareness sessions will educate the public about leprosy, its symptoms, preventive measures, and the importance of early treatment. This event aligns with the mission to eliminate stigma and ensure accessible healthcare for all.

The camp will be conducted by a team of experienced doctors, healthcare workers, and volunteers dedicated to providing quality medical assistance. Patients will receive free screenings, counseling, and necessary medical interventions. In addition to treatment, the event will focus on educating people about personal hygiene and community health. SVA GDC and the Andhra Pradesh Medical Department encourage active participation from students, faculty, and local residents to make this initiative a success. The collaborative effort aims to strengthen public health services and contribute to a leprosy-free society.

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GPS Map Camera

Srikalahasti, Andhra Pradesh, India
Ppv6+94w, 1-279, Srikalahasti, Andhra Pradesh 517644, India
Lat 13.743938° Long 79.710063°
30/01/2025 12:02 PM GMT +05:30



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Our college Principal Dr. Y. NagaRaja Naidu and Vice Principal Dr. K. Sri Narasimhavarma, along with other lectures including Dr. B. Satish Kumar Computer Science Incharge present in the event.



YOUTH SKILL DAY WAS CELEBRATED ON JULY 15, 2024

Youth Skill Day was celebrated on July 15, 2024, at our college. This annual event focuses on celebrating and promoting the development of skills among young people across the globe. It serves as a platform to emphasize the importance of equipping the youth with essential skills that can help them succeed in their careers and contribute positively to the economy.

The event highlights the need for young people to gain the necessary tools and knowledge to thrive in the workforce. By fostering skill development, the event aims to prepare students for real-world challenges and opportunities. It underscores the critical role that education and training play in building a skilled and competent workforce, which is essential for economic growth and development.

Our college Principal, Dr. M. Sreelatha, along with other distinguished guests, graced the event with their presence. Notable attendees included ISKON Prabhuji, Ganesh, a project manager at Wipro, Dr. B. Satish Kumar, Dr. T. Sudheer, Dr. M. Paramdamaiah, Dr. A. Ravi Prasad, Dr. Bapanaiah, and T. Rama Sunkanna. The event also saw participation from lecturers, skill development executives, and students, who all gathered to support and celebrate the importance of skill development among the youth.







TREE PLANTING DRIVE

On July 16, 2024, a campus-wide tree planting drive was conducted, involving students from the II BSc Computer Science (Honours) program and the faculty of the Computer Science Department. The purpose of this initiative was to enhance the greenery on campus and create a more pleasant environment. The students and faculty worked together to plant new trees and maintain the existing gardens, showing their commitment to environmental conservation.

In addition to the tree planting drive, a campus clean-up campaign was also initiated. This campaign aimed to keep the college grounds clean and free of litter. Volunteers from various departments participated in the effort, regularly collecting trash and ensuring that the campus remained tidy and well-maintained.

These initiatives not only helped improve the physical appearance of the college but also fostered a sense of community and responsibility among the students and staff. By actively participating in these activities, everyone involved demonstrated their dedication to creating a cleaner and greener campus environment.







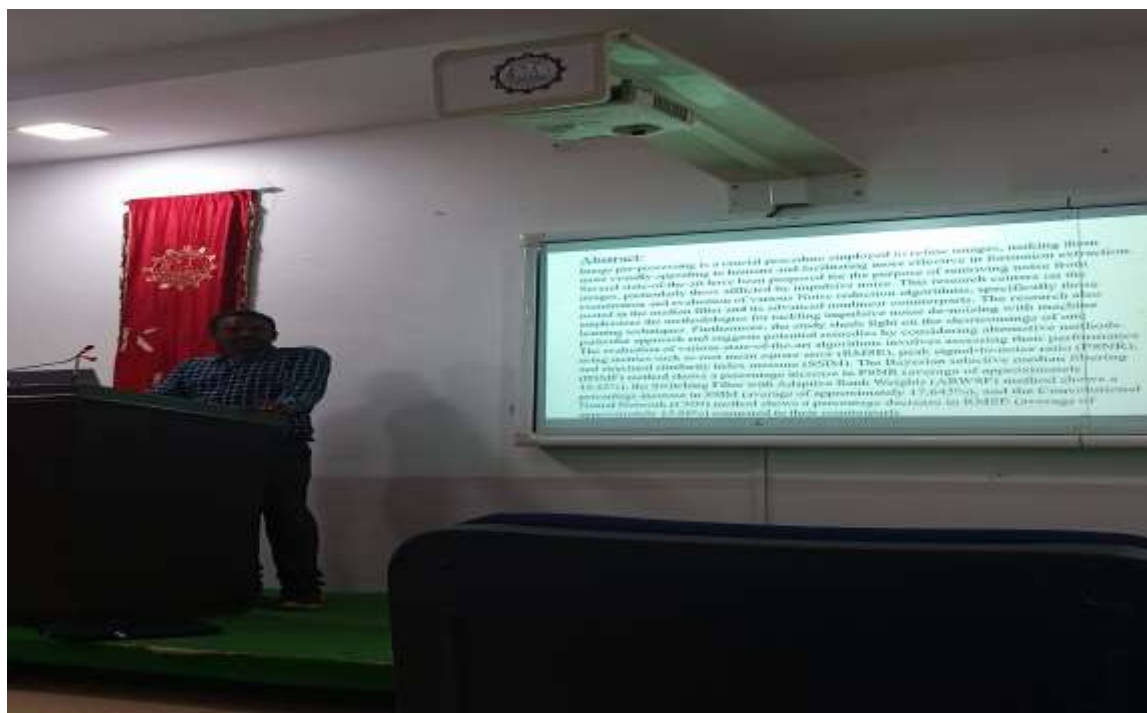
Dr. B. Satish Kumar presented a paper on impulse noise suppression algorithms.

Dr. B. Satish Kumar, a Lecturer in the Computer Science Department, recently took part in an international conference. He participated in the SERB-sponsored EAI International Conference on Computational Intelligence and Generative AI (EAI ICCIGAI-2024). This conference was held at the Koneru Lakshmaiah Education Foundation in India from July 18th to 20th, 2024.

During the conference, Dr. Satish Kumar presented a research paper titled “Comprehensive Study of Algorithms for Suppressing the Impulse Noise in Digital Color Images.” His paper focused on exploring various algorithms designed to reduce impulse noise in digital color images, a common issue that can affect image quality. The study provided a detailed analysis of these algorithms and their effectiveness in improving image clarity.

Dr. Satish Kumar's participation in this conference highlights his active engagement in cutting-edge research and his dedication to advancing knowledge in the field of computer science. His work contributes to the broader understanding of how to enhance digital image processing, which is essential for many applications in technology and media.







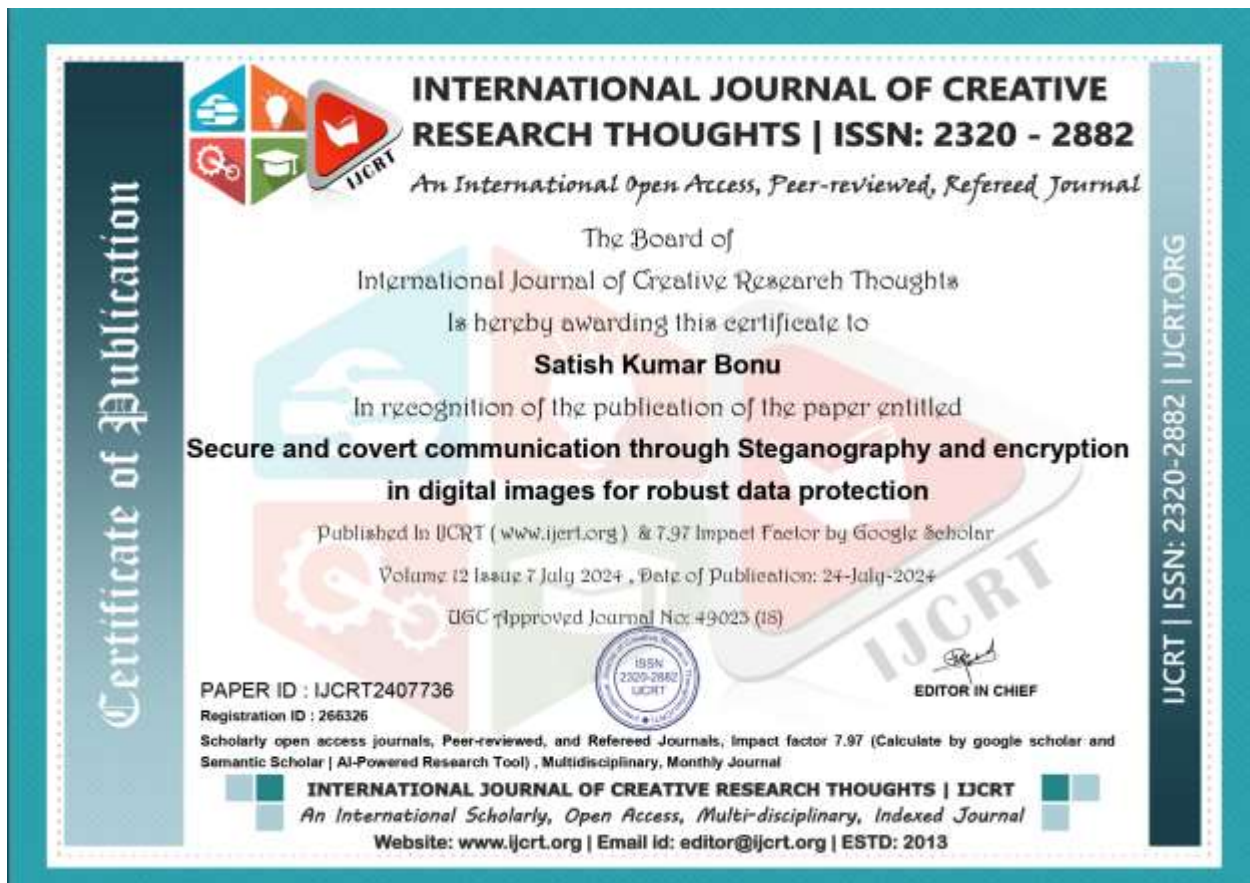


Dr. B. Satish Kumar published a paper on secure communication in July 2024.

Dr. B. Satish Kumar recently published a research paper in the International Journal of Creative Research, a peer-reviewed and open-access journal. This publication is a significant achievement, as it reflects the quality and originality of his work. The journal is known for its rigorous review process, ensuring that only high-quality research is shared with the academic community.

The paper, titled "Secure and Covert Communication Through Steganography and Encryption in Digital Images for Robust Data Protection," explores advanced techniques for protecting data. Dr. Satish Kumar's research focuses on using steganography and encryption to secure communication in digital images. Steganography involves hiding data within other data, while encryption scrambles the data to prevent unauthorized access. Together, these techniques provide a strong method for safeguarding sensitive information.

Published in July 2024, this paper contributes valuable insights into the field of data protection and digital security. Dr. Satish Kumar's work highlights the importance of developing robust methods to protect data in an increasingly digital world. His research has practical applications in various areas, including secure communications, digital forensics, and privacy protection.





SECURE AND COVERT COMMUNICATION THROUGH STEGANOGRAPHY AND ENCRYPTION IN DIGITAL IMAGES FOR ROBUST DATA PROTECTION

¹Bonu Satish Kumar, ²A Sumati, ³T Suneetha, ⁴Rohith Kumar kr, ⁵D Lavanya

¹Lecturer, ²Lecturer, ³Lecturer, ⁴Assistant Professor, ⁵Lecturer

¹Computer Science,

¹SVA Government Degree College, Srikalahasti, India

Abstract: The need for secure and covert communication has become paramount in the digital age. This project presents a method for hiding messages within digital images using a combination of steganography and encryption techniques. The process begins with the user inputting a secret message, which is then encrypted using a Caesar cipher with a user-defined shift key. This encrypted message is further secured by embedding it into an image, leveraging the pixel values as carriers. The embedding process uses a user-provided security key to XOR the ASCII values of the encrypted message with the key, ensuring an additional layer of security. The resultant stegano image retains its visual integrity while concealing the secret message within its pixel data. The extraction process reverses these steps, requiring the correct security key to retrieve and decrypt the hidden message. This method balances simplicity and security, making it accessible while providing robust protection against unauthorized access. Experimental results demonstrate the technique's effectiveness in preserving the visual quality of the carrier image and securely embedding and retrieving hidden messages. Future work will explore enhancing the algorithm's robustness against various image processing attacks and optimizing the embedding capacity without compromising image quality. These qualities make it suitable for various applications, from personal privacy to secure communication in sensitive fields. This paper details this combined technique's methodology, implementation, and evaluation. The results demonstrate its effectiveness in securely embedding and retrieving messages while maintaining the integrity of the carrier image. Future improvements will focus on enhancing the method's robustness against attacks and optimizing the embedding capacity for different types of images.

Index Terms - Cipher, steganography, attacks, encrypt, caesar.

I. INTRODUCTION

Securing sensitive information in the digital age is vital. While traditional encryption methods are effective, they can sometimes signal the presence of confidential data. Steganography, which hides information within ordinary files, offers a more subtle approach by concealing the existence of the hidden message [1]. This project explores a method that combines image steganography with encryption to achieve secure communication. The process involves two key steps: encrypting the secret message and embedding it into a digital image [2]. First, the secret message is using a Caesar cipher. This technique shifts each letter of the message by a user-defined number of positions in the alphabet, ensuring that the message is not easily readable if discovered. Next, the encrypted message is embedded into an image. Each character of the encrypted message is converted to its ASCII value and XORed with a user-provided security key. This modified ASCII value is then embedded into the

Job Drive by Sreeja Milk Dairy on 24-06-2024

Sreeja Milk Limited recently conducted a highly successful job drive at our degree college in collaboration with the Jawahar Knowledge Center and Placement & Guidance Cell on 24-06-2024. This initiative was tailored to offer final-year students a prestigious chance to secure employment with a prominent player in the dairy industry. The comprehensive job drive comprised rigorous interviews and skill assessments, designed to identify and onboard talented graduates suitable for various pivotal roles within the company.

A total of 25 students from our college enthusiastically participated in the placement drive, showcasing their skills and potential. We are proud to announce that 10 deserving students emerged victorious and were offered positions within Sreeja Milk Limited. This achievement reflects not only their hard work but also the dedication and guidance provided by our esteemed Principal, Dr. Sreelatha, who extended her heartfelt appreciation to the selected students.

This successful collaboration between Sreeja Milk Limited and our college reaffirms our commitment to nurturing and facilitating promising career opportunities for our students, ensuring they embark on a path of professional success and fulfillment.



నూతన విజ్ఞానం, విజ్ఞానం, అభివృద్ధికి కొరతలేదు.

క్యాంపస్ ఇంటర్వ్యూలో 10మంది ఎంపిక

తొట్టండేడు, జూన్ 24 ప్రభాతవార్త : ఎస్సీఎ ప్రభుత్వ డిగ్రీ కళాశాలలో జెకెసె విభాగం సారథ్యంలో సోమవారం నిర్వహించిన ఉద్యోగమేళా నిర్వహించారు. శ్రీజమహిళా మిల్క్ ప్రొడ్యూసర్ కంపెనీ లిమిటెడ్ మరియు ఎన్ఎస్ ఇన్స్టిట్యూట్స్ ఇండియా ప్రైవేటు లిమిటెడ్ ఆటోమేటెడ్ కంపెనీ ఆధ్వర్యంలో క్యాంపస్ ఇంటర్వ్యూలు నిర్వహించారు. ఈ ఉద్యోగ మేళాలో 25మంది హాజరుకాగా వరీఇల్లో 10మందిని ఎంపికచేయడం జరిగింది. ఎంపికయిన వారికి రూ.16వేల నుంచి రూ.25వేల వేతనం మరియు ఇతర అలెవెన్సులు ఇవ్వడం జరుగుతుందన్నారు. ఎంపికైన వారిని ప్రిన్సిపల్ డాక్టర్ శ్రీలత ఆభినందలు తెలిపారు.

Date: 25/06/2024, Edition: Tirupathi(Chittooru Dist), Page: 3

Source : <https://epaper.vaartha.com/>

సాక్షి

ఉద్యోగమేళాలో 10మంది ఎంపిక



ఉద్యోగాలకు ఎంపికైన అభ్యర్థులు

శ్రీకాశహస్తి: పట్టణంలోని పురుషుల డిగ్రీ కళాశాలలో సోమవారం జేకేసీ ఆధ్వర్యంలో ఉద్యోగ మేళా నిర్వహించారు. ఇందులో 10 మంది వివిధ పోస్టులకు ఎంపికయ్యారు. శ్రీజ మహిళా మిల్క్ ప్రొడ్యూసర్ కంపెనీ, ఎన్ఎస్ ఇన్స్ట్రుమెంట్స్ ఇండియా ప్రైవేట్ లిమిటెడ్ ప్రతినిధులు నిర్వహించిన ఇంటర్వ్యూలకు 25మంది అభ్యర్థులు హాజరయ్యారు. వారిలో 10మందిని ఎంపిక చేశారు. వీరికి రూ.16వేల నుంచి రూ.25వేల వరకు జీతం, ఇతర అలవెన్సులు లభిస్తాయని ప్రిన్సిపల్ ఎం.శ్రీలత తెలిపారు. కార్యక్రమంలో జేకేసీ కో-ఆర్డినేటర్ సతీష్కుమార్, అధ్యాపకులు గిరిజమ్మ పాల్గొన్నారు.

ఉద్యోగ మేళాలో పదిమంది ఎంపిక

శ్రీకాళహస్తి, జూన్ 24: పట్టణంలోని ప్రభుత్వ పురుషుల డిగ్రీ కళాశాలలో సోమవారం జేకేసీ నిర్వహించిన ఉద్యోగ మేళాలో పదిమంది ఎంపికైనట్లు ప్రిన్సిపాల్ డాక్టర్ ఎం.శ్రీలత తెలిపారు. 25మంది హాజరయ్యారన్నారు. శ్రీజ మహిళ మిల్క్ ప్రొడ్యూసర్ కంపెనీ, ఎన్ఎస్ ఇన్స్ట్రుమెంట్స్ ఇండియా ప్రైవేట్ లిమిటెడ్ ఆధ్వర్యంలో ఇంటర్వ్యూలు నిర్వహించారు. ఎంపికైన వారిని ఆమె అభినందించారు. రూ.16వేలు నుంచి రూ.25వేలతో పాటు ఇతర అలవెన్సులు లభిస్తాయన్నారు. జేకేసీ కోఆర్డినేటర్ సతీష్ కుమార్, జేకేసీ ఎఫ్టీఎం గిరిజమ్మ, అధ్యాపకులు తదితరులు పాల్గొన్నారు.



ఎంపికైన వారితో ప్రిన్సిపాల్

ప్రొడ్యూసర్ కంపెనీ, ఎన్ఎస్ ఇన్స్ట్రుమెంట్స్ ఇండియా ప్రైవేట్ లిమిటెడ్ ఆధ్వర్యంలో ఇంటర్వ్యూలు నిర్వహించారు. ఎంపికైన వారిని ఆమె అభినందించారు. రూ.16వేలు నుంచి రూ.25వేలతో పాటు ఇతర అలవెన్సులు లభిస్తాయన్నారు. జేకేసీ కోఆర్డినేటర్ సతీష్ కుమార్, జేకేసీ ఎఫ్టీఎం గిరిజమ్మ, అధ్యాపకులు తదితరులు పాల్గొన్నారు.

Inauguration of Book on C Programming Language on 10-06-2024

Our esteemed Principal, Dr. M. Sreelatha, officiated the inauguration of "The C Programming Language" book authored by Dr. Ravi Prasad, a distinguished lecturer in the Computers Department. The ceremony took place in the Principal's chamber on June 10, 2024, with faculty members from various departments attending to celebrate.

The event highlighted Dr. Ravi Prasad's scholarly achievement and his significant contribution to computer science education. It underscored the college's commitment to fostering academic excellence and promoting research-driven learning initiatives.

The book, a valuable resource for students and professionals alike, symbolized the college community's ongoing pursuit of knowledge and innovation. Congratulations were extended to Dr. Ravi Prasad for this notable accomplishment, and there is anticipation for further scholarly contributions from our dedicated faculty members.

Principal Dr. M. Sreelatha inaugurating the book on C Programming Language 10-06-2024



National Conference on “Artificial Intelligence, Cyber Security & Research”

Four lecturers from the Department of Computers actively participated in the National Conference on "Artificial Intelligence, Cyber Security & Research" hosted by the Department of Computer Science at S.V. University, Tirupati, on June 14th and 15th, 2024. They presented a pioneering paper titled "Detecting Microplastic Ingestion in the Human Body through Deep Learning."

Their involvement underscored their commitment to cutting-edge research in the realm of artificial intelligence and its applications in addressing contemporary challenges like cyber security and environmental health. The conference provided a platform for sharing insights and exchanging ideas with peers and experts in the field, fostering collaboration and advancing knowledge in these critical areas.



SRI VENKATESWARA UNIVERSITY : TIRUPATI

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DEPARTMENT OF COMPUTER SCIENCE

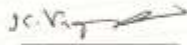
National Conference

Certificate

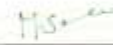
This is to certify that Prof./ Dr./ Mr./ Ms. D. LAVANYA has participated 2 days National Conference on "Artificial Intelligence, Cyber Security & Research" held at Department of Computer Science, S.V. University, Tirupati on 14th & 15th June, 2024.

Title of the Paper _____

DETECTING MICROPLASTIC INGESTION IN THE HUMAN BODY
THROUGH DEEP LEARNING



Co-Convener



Convener

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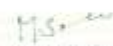
This is to certify that Prof./ Dr./ Mr./ Ms. Dr. A. RAVI PRASAD has participated 2 days National Conference on "Artificial Intelligence, Cyber Security & Research" held at Department of Computer Science, S.V. University, Tirupati on 14th & 15th June, 2024.

Title of the Paper _____

DETECTING MICROPLASTIC INGESTION IN THE HUMAN BODY
THROUGH DEEP LEARNING



Co-Convener



Convener

SRI VENKATESWARA UNIVERSITY : TIRUPATI

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S.V.U. COLLEGE OF CM & CS

DEPARTMENT OF COMPUTER SCIENCE

National Conference

Certificate

This is to certify that Prof./ Dr./ Mr./ Ms. A. VISWANADHAM has participated 2 days National Conference on "Artificial Intelligence, Cyber Security & Research" held at Department of Computer Science, S.V. University, Tirupati on 14th & 15th June, 2024.

Title of the Paper _____

**DETECTING MICROPLASTIC INGESTION IN THE HUMAN BODY
THROUGH DEEP LEARNING**

Handwritten signature of the Co-Convener.

Co-Convener

Handwritten signature of the Convener.

Convener

Session Chaired by Dr. B. Satish Kumar at National Conference on "Artificial Intelligence, Cyber Security & Research"

Dr. B. Satish Kumar, a dedicated Lecturer in the Department of Computer Science, actively contributed as a Session Chair at the National Conference on "Artificial Intelligence, Cyber Security & Research" hosted by the Department of Computer Science at S.V. University, Tirupati, on June 14th and 15th, 2024.

In this pivotal role, Dr. Satish Kumar facilitated discussions and guided sessions focused on cutting-edge topics in artificial intelligence and cyber security. His participation underscored his deep expertise and commitment to advancing research and knowledge in these critical fields. By chairing sessions, Dr. Satish Kumar not only contributed significantly to the success of the conference but also enhanced the academic discourse and collaboration among peers and experts in attendance.



1. Dr B.Satish Kumar, Lecturer in the Computer Science Department, has published two papers in The Journal of Computational Science and Engineering[ISSN 2583-9055] volume 2 issue 1, march 2024, with the collaboration of lecturers in GDC(Ravulapalem), GDC(W) Srikalahasti and other lecturers. With Titles ” **Performance Analysis of Prophet Routing Protocol Of Delay Tolerant Networking under Random Mobility Model**” and” **Enhancing Spam Detection: Leveraging Deep Convolutional Neural Networks and Transfer Learning for Image-Based Spam Identification**”.

The screenshot displays the homepage of 'The Journal of Computational Science and Engineering [ISSN: 2583-9055]'. The navigation bar includes links for Home, Editorial Board, Author, Review, Archive, Current, Indexing, Membership, Login, and Contact Us. Below the navigation bar, there are two announcements regarding collaborations with Amrutabini College of Engineering and Gayatri Vidya Parishad. The 'Current Issue' section highlights 'Volume 2 Issue 1, March 2024' and lists two manuscripts. The 'Important Links' section provides buttons for Manuscript Template, Copyright Form, Login and Submissions, Become a Reviewer & Login, and Become a Member. The 'Contact Person' section identifies the Editor-in-Chief.

Sno	Author(s)	Title of the Manuscript	Download	DOI
1.	B Satish Kumar, A Sumathi, Saija Vishrubhala, Rohith Kumar KR	Performance Analysis of Prophet Routing Protocol Of Delay Tolerant Networking under Random Mobility Model	Click To Download	DOI 10.13140/RG.2.2.32436.77124
2.	Bons Satish Kumar, Kopasani Shankar, Saija Vishrubhala, A Sumathi	Enhancing Spam Detection: Leveraging Deep Convolutional Neural Networks and Transfer Learning for Image-Based Spam Identification	Click To Download	DOI 10.13140/RG.2.2.15629.55526

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Enhancing Spam Detection: Leveraging Deep Convolutional Neural Networks and Transfer Learning for Image-Based Spam Identification

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Received on: 17-12-2023

Accepted on: 28-02-2024

Keyword:

Image Spam Detection,
Cyber Security,
Deep Convolutional networks,
Transfer Learning

ABSTRACT

In modern cyber threats, attackers increasingly utilize image-based spam techniques as conventional methods primarily target textual content and hyperlinks. Addressing this challenge, our research employs Deep Convolutional Neural Networks (DCNNs) in conjunction with pre-trained architectures for image classification, a field that has seen rapid advancement in recent years. However, the computational demands of training robust image classification models pose significant challenges. Leveraging transfer learning, we mitigate these constraints by fine-tuning pre-trained models on specific image datasets. Our proposed approach demonstrates superior performance to existing state-of-the-art models in identifying image-based spam content, achieving both heightened accuracy and efficiency.

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Performance Analysis of Prophet Routing Protocol Of Delay Tolerant Networking under Random Mobility Model

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Received on: 25-12-2023

Accepted on: 28-02-2024

Keyword:

Delay Tolerant Network,
Probability routing,
Network protocol,
Wireless Sensor network.

ABSTRACT

Delay-tolerant networking (DTN) and disruptive-tolerant networking (DTN) are categories of networks that interact with the TCP/IP architecture. DTN can establish communication by enrolling both Stationary and mobile routers mutually. The Delay-Tolerant Network is a communication network that intermittently stores packets within intermediate nodes until a complete end-to-end route can be reconstructed or regenerated. The primary challenge in DTNs lies in assessing the appropriateness of a routing protocol across various situations and contexts. The central objective of this endeavour is to contrast the efficiency of two commonly employed routing protocols, specifically assessing standard prophet routing protocols across a range of placement scenarios. The experimental assessment employs the ONE simulator. Performance is gauged through quality-of-service metrics such as jitter, end-to-end delay, and overhead ratio. The outcomes of the simulation indicate that analyzing the performance of the prophet routing protocol in a random waypoint mobility model is significantly influenced by parameters such as the number of nodes and transmission range.

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2) Dr B.Satish Kumar, Lecturer in Computer Science Department, successfully completed One Week Faculty Development Programme on Generative AI organized by the Department of Electronics and Telecommunication ,DY PATIL COLLEGE OF ENGINEERING ,AKURDI,PUNE with PANTECH E LEARNING conducted on 04 March to 09 March through online mode successfully.

