

# Department of Computer Science

## Activities Register

Academic Year

2019-2020



**SRI ABR GOVERNMENT DEGREE COLLEGE**

**REPALLE, GUNTUR (DT) – 522 265**



**SRI A B R GOVERNMENT DEGREE COLLEGE  
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# Department of Computer Science

## Papers Presented / Conferences Attended

1. Smt. A. V. Kavitha, Lecturer in Computer Science has published a paper titled “Classification of land cover from remote sensing images using morphological linear contact distributions and rough sets” in International Journal of Recent Technology and Engineering, Volume 18, No 3, September 2019, pp 676-688.
2. Sri G. Raviteja, Lecturer in Computer Science has published a Paper titled "An Efficient Intrusion Detection System for IoT Network Using Pattern Matching Algorithms", accepted in KSII TIIS 2019. (SCIE)
3. Sri G. Raviteja, Lecturer in Computer Science has published a Paper titled "An Efficient Network Intrusion Detection System Using Prospective Backward Oracle Matching Algorithms: An Architectural Approach", accepted in IJCISIM , 2020. (SCOPUS)
4. Sri G. Raviteja, Lecturer in Computer Science has published a Paper titled "The Design & Evaluation of Efficient Intrusion Detection Framework for Hybrid Network", presented in I3CPE Dec 2019. (SCIE)
5. Sri G. Raviteja, Lecturer in Computer Science has published a Paper titled "An Efficient Intrusion Detection System for IoT Network Using Pattern Matching Algorithms ", presented in I3CPE Dec 2019. (SCIE)

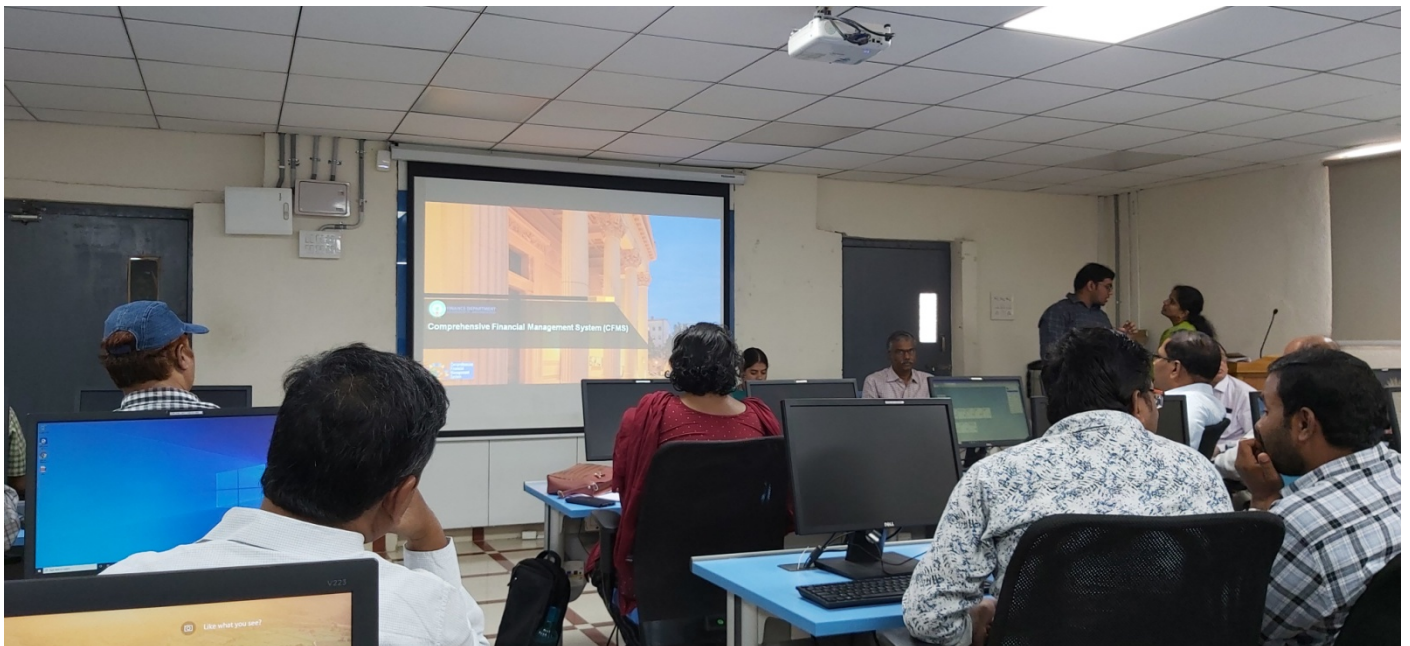


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# Department of Computer Science

## Workshops Attended

1. Sri G. Raviteja, Lecturer in Computer Science has attended Training Programme for "Operations on Green Channel PD Accounts of RUSA beneficiary institutions" @ CFMS Office, Ibrahimpatnam, Vijayawada on 25<sup>th</sup> November, 2019.





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# Department of Computer Science

## Support for Literary & Cultural Activities

1. Smt A.V. Kavitha, Lecturer in Computer Science has assisted the college students to participate in literary events at “District Level Youth Festival” organized by AP State Govt at JKC College, Guntur on 6<sup>th</sup> Jan, 2020.
2. Sri P. Arun Kumar, Lecturer in Computer Science has assisted the college students to participate in “State Level Youth Festival” at Visakhapatnam on 2<sup>nd</sup> and 3<sup>rd</sup> Jan, 2020.









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# Department of Computer Science

## Seminar Day

Department has organized a Seminar Day on 19-09-2019. All the final year students have given their presentations on various current topics of Computer Science like “Networking”, “Big Data”, “Wireless Communication”, “Software Development”, etc. This Seminar Day is organized to assist the students in improving their presentation skills, skills to prepare power points and to share their knowledge to the rest of the students of the class. All the students have presented their topics using power point presentations and few of them have included Youtube videos in their presentations.





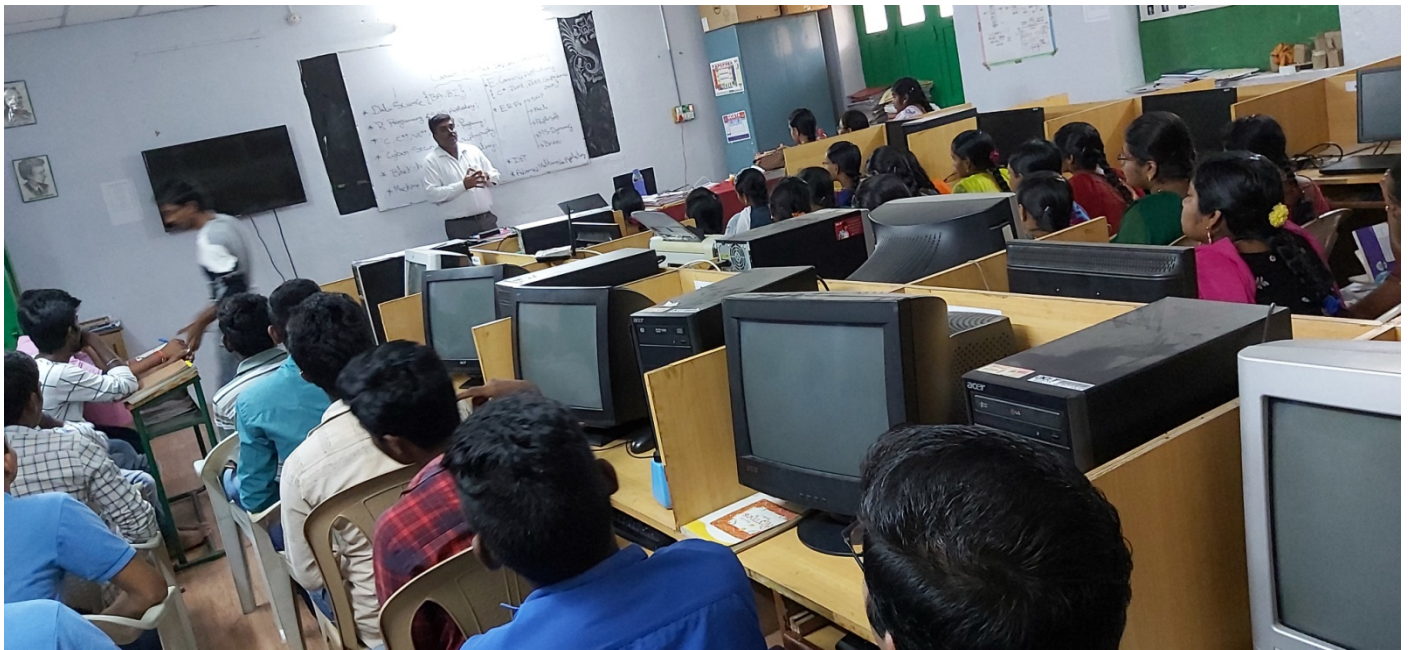


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# Department of Computer Science

## Guest Lecture

Organized a guest lecture on “Career Opportunities for Computer Science Students” by Sri G.V. Ravi Kumar, Senior Lecturer, Hindu College on 07-01-2020. All final year Computer Science Students participated in this program. He explained various channels of career opportunities in Computer Science like Big Data technologies, Cyber Security, SAP, etc. Our department faculty Smt. A V Kavitha, P Arun Kumar and G. Raviteja along with students participated in the program.







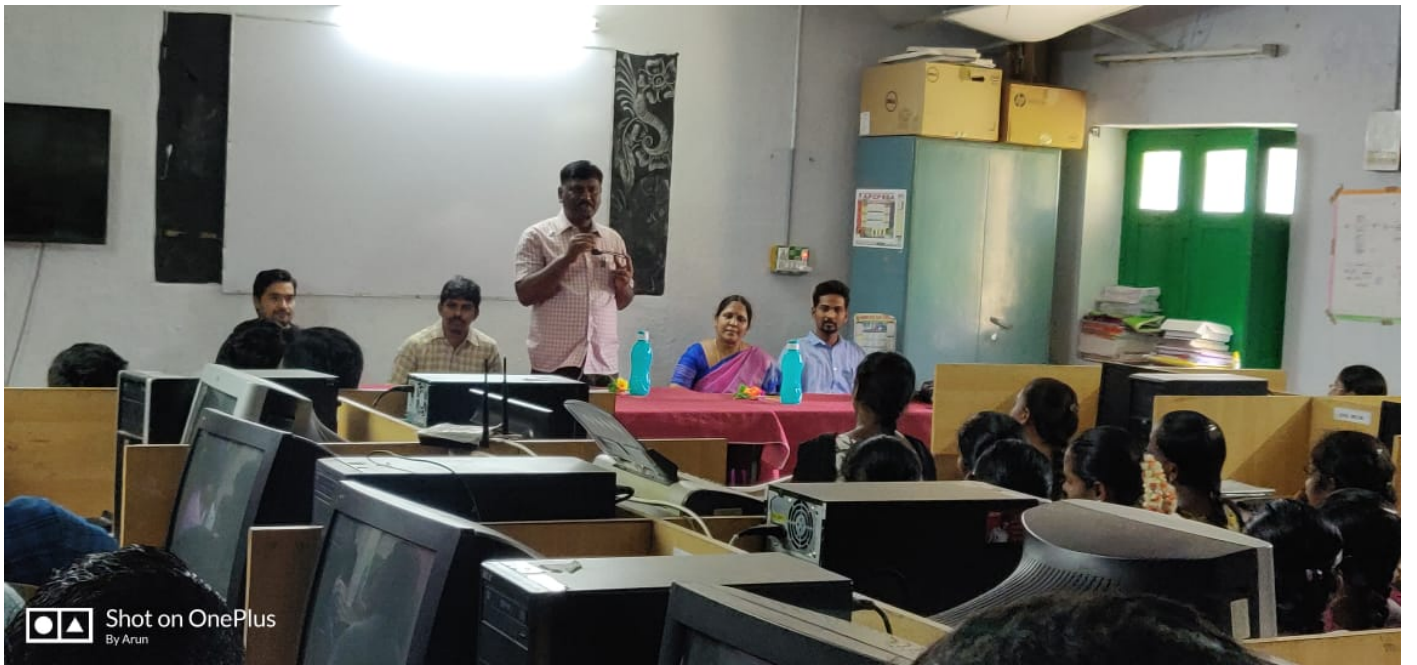
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# Department of Computer Science

## Workshop

To give awareness on mobile apps development to the students, a workshop is conducted on “App Development using Tools” on 12<sup>th</sup> September, 2019. Sri Ch. Sambasivarao, Asst Prof, LRBRCE, Mylavaram acted as resource person for this workshop. Our department faculty Smt. A V Kavitha, P Arun Kumar and G. Raviteja along with students participated in the program.









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# **Department of Computer Science**

## **UGC Minor Research Project**

Smt. A V Kavitha is having and undergoing UGC sponsored Minor Research Project titled “Identification of Land Use and Land Cover Structures from Remote Sensing Images” with a financial assistance of Rs. 2,33,000 ( Two Lakh Thirty Three Thousand Rupees only).



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# Department of Computer Science

## Video Presentations

Video Lessons on “Introduction to Big Data” and “Web Designing” are shown to Final Year students on 14-11-2019. In the video “Introduction to Big Data” , the concepts of big data explosion, big data definition, technologies of big data are explained. In the video “Web Designing”, the concepts of Internet, WWW, tools to design websites, technologies in web designing are explained.





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# Department of Computer Science

## Syllabus Review Committee Nominated by APSCHE

APSCHE has constituted a committee of subject experts to review the present syllabus of Under Graduate Courses (CBCS Syllabus). Smt. A.V. Kavitha of Computer Science Department of this college has been nominated as one of the two members in the syllabus review committee for B.Sc. – Computer Science and for Foundation Courses.





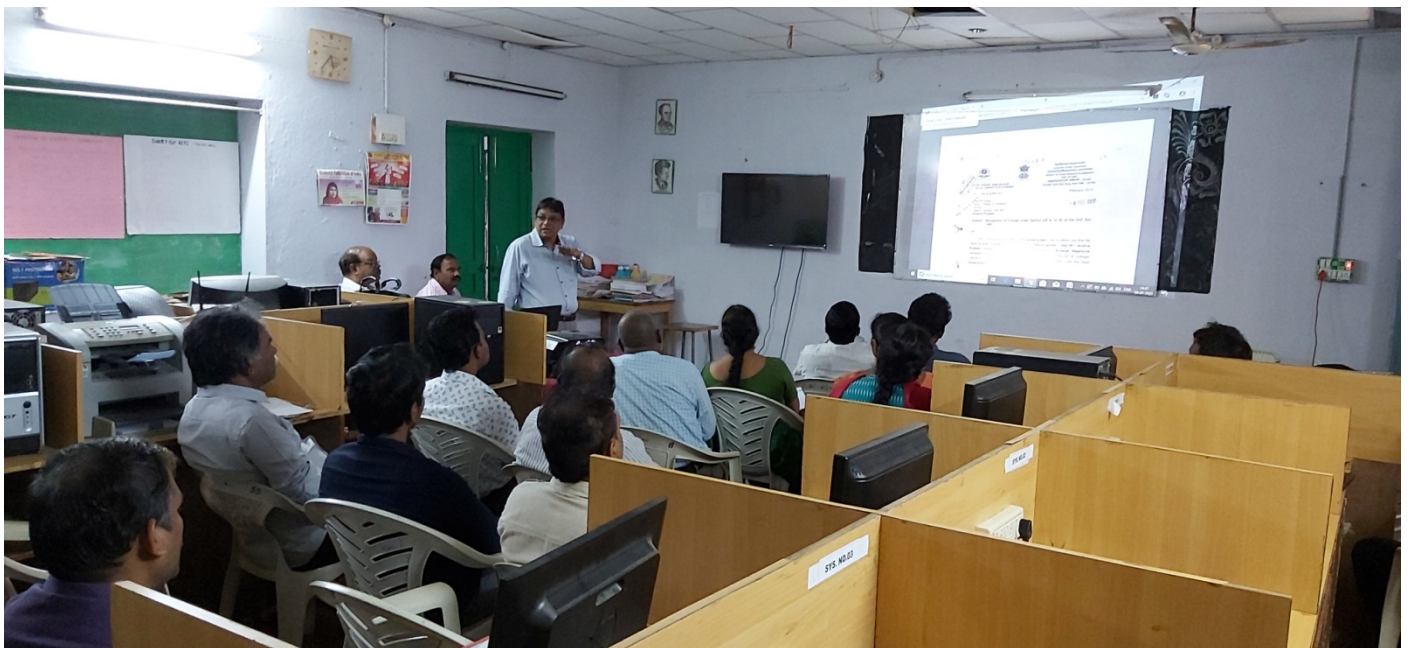


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# Department of Computer Science

## Faculty Orientation Session on NAAC Accreditation

Organized one day workshop for faculty at college level on NAAC Accreditation on 09<sup>th</sup> January, 2019. Sri Vijaya Babu garu, Prof & IQAC coordinator, GCW - Guntur acted as resource person and has given some insights on various criteria's of NAAC and uploading procedures . All the faculty members of the college participated in the workshop.







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# Department of Computer Science

## Formative Assessment using Plickers

To enhance the learning capabilities and to assess the understanding of students, our department conducted Quizzes using Plickers at the end of every unit. All the faculty of Computer Science department followed this practice.







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# Department of Computer Science

## Live Telecast Presentations on Education Channel (MANA TV)

1. Smt. A V Kavitha has acted as State Level Coordinator for Computer Science Live Telecast Programs.
2. Sri G Raviteja has given MANA TV Live Telecast Lecture on “Applet Programming” at SAPNET Studio, Vijayawada on 19<sup>th</sup> June, 2019



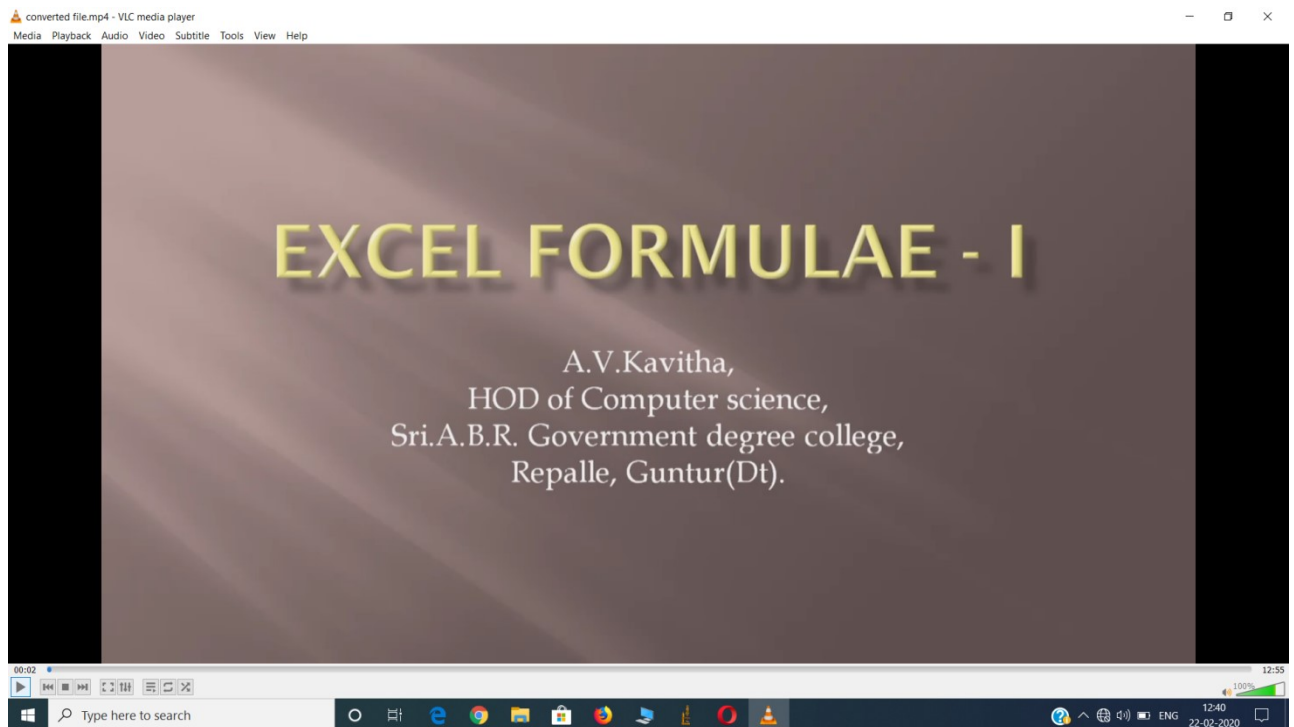


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# Department of Computer Science

## Video Lessons and Content Generation for LMS

1. Smt. A V Kavitha has given video lessons on “Excel Basics, Excel Formulae – 1 and Excel Formulae – 2” for CCE LMS .



converted filemp4 - VLC media player

Media Playback Audio Video Subtitle Tools View Help

ims2 - Microsoft Excel

Emp id	Name	Designation	Basic pay	HRA	DA	Gross salary	Deductions	Net salary
1	Kiran	Programmer	30,000					
2	Kumar	Data base administrator	68000					
3	Sumana	Software engineer	72000					
4	Krishna	Programmer	35000					
5	hareesh	Programmer	42000					
6	KartEEK	Data base administrator	55000					
7	Navya	Data base administrator	58000					
8	Vanitha	Data base administrator	60000					
9	Sri latha	Software engineer	76000					
10	Sireesha	Software engineer	82000					
			HRA	10%				
			DA	20%				

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12:41 22-02-2020



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# Department of Computer Science

## Student Projects

Faculty of Computer Science department guided the following student study projects.

- Sentimental Analysis on Maruti Swift Car Reviews
- Sentimental Analysis on Citizenship Amendment Act from Twitter Data



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# Department of Computer Science

## Fit India Movement

As per the proceedings of State Government & CCE, faculty and students of the department participated in Fit India Movement on 29<sup>th</sup> August 2019 and conducted a rally with the students up to Municipal Office, Repalle. Our department faculty Smt. A V Kavitha, P Arun Kumar and G. Raviteja along with students participated in the program.





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# Department of Computer Science

## Orientation Program for First Year Students

Organized an orientation program on “First Steps in College – Learning Methods of 21<sup>st</sup> Century” for all first year students on 22 August, 2019. Dr. T.D. Vimala, Psychologist and Professor, Acharya Nagrajuna University, Guntur acted as resource person. She concentrated on the students behavioral patterns in general and explained how to fruitfully utilize the time spent in the college. She explained various digital and non-digital learning methods.







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# Department of Computer Science

## Resource Person for Guest Lecture

Smt. A.V. Kavitha acted as resource person for invited lecture on “Internet of things” at VJ Degree College, Mangalagiri on 22-08-19. Faculty and computer science students of the college have participated in the program. Explained the concepts of IOT, applications of IOT and various case studies of IOT.



# ఈనాడు అమరావతి

మంగళవారం 27 ఆగస్టు 2019

★ 16 పేజీలు

## సాంకేతికతతోనే ప్రగతికి బాట

**మంగళగిరి, న్యూస్ టుడే:** విద్యార్థులు సాంకేతికతను వినియోగించుకుని ప్రగతికి బాటలు వేసుకోవచ్చని రేపల్లె ప్రభుత్వ కళాశాల కంప్యూటర్ సైన్సు విభాగ అసోసియేట్ ప్రొఫెసర్ అనుబ్రోలు కవిత అన్నారు. స్థానిక వీజే డిగ్రీ కళాశాలలో సోమవారం 'అంతర్జాల ఆధారిత విషయాలు' అంశంపై ఆమె

విద్యార్థులను ఉద్దేశించి మాట్లాడారు. రానున్న దశాబ్దంలో అంతర్జాలాన్ని ఎలా వినియోగించబోతున్నారనే అంశాన్ని వివరించారు. కళాశాల కరస్పాండెంట్ ప్రగడ రాజశేఖర్, ప్రిన్సిపల్ నాదెళ్ల శ్రీనివాసరావు, జూనియర్ కళాశాల ప్రిన్సిపల్ అవ్వారు సత్యనారాయణ, ఎన్.ఎస్.ఎస్. ప్రోగ్రాం అధికారి శిఖాశంకర్ పాల్గొన్నారు.



ప్రసంగిస్తున్న అసోసియేట్ ప్రొఫెసర్ అనుబ్రోలు కవిత

**వజ్రాశక్తి**  
**గుంటూరు**  
మంగళవారం  
ఆగస్టు - 27  
2019  
16 పేజీలు



మాట్లాడుతున్న ప్రొఫెసర్ కవిత

### సాంకేతికతను సద్వినియోగం చేసుకోవాలి

**మంగళగిరి:** సాంకేతికతను సద్వినియోగం చేసుకోవాలని రేపల్లె ప్రభుత్వ కళాశాల కంప్యూటర్ సైన్సు విభాగ అసోసియేట్ ప్రొఫెసర్ ఎ.కవిత అన్నారు. స్థానిక వీజే డిగ్రీ కళాశాలలో సోమవారం అంతర్జాల ఆధారిత విషయాలు అనే అంశంపై నిర్వహించిన కార్యక్రమంలో ఆమె పాల్గొని ప్రసంగించారు. 10 సంవత్సరాల తరువాత ప్రపంచం మొత్తం ఇంటర్నెట్ను ఏవిధంగా ఉపయోగించబోతున్నారో తెలియజేసి పరిస్థితులకు అనుగుణంగా సాంకేతికతను వినియోగించుకొని అభివృద్ధిపథంలో కొనసాగాలని అన్నారు. కరస్పాండెంట్ పి.రాజశేఖర్ మాట్లాడుతూ అంతర్జాలాన్ని అవసరం మేరకే వినియోగించుకోవాలని సూచించారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ ఎన్.శ్రీనివాసరావు, జూనియర్ కళాశాల ప్రిన్సిపల్ ఎ.సత్యనారాయణ, ఎన్ఎస్ఎస్ ప్రోగ్రామ్ అధికారి శిఖా శంకర్, అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.





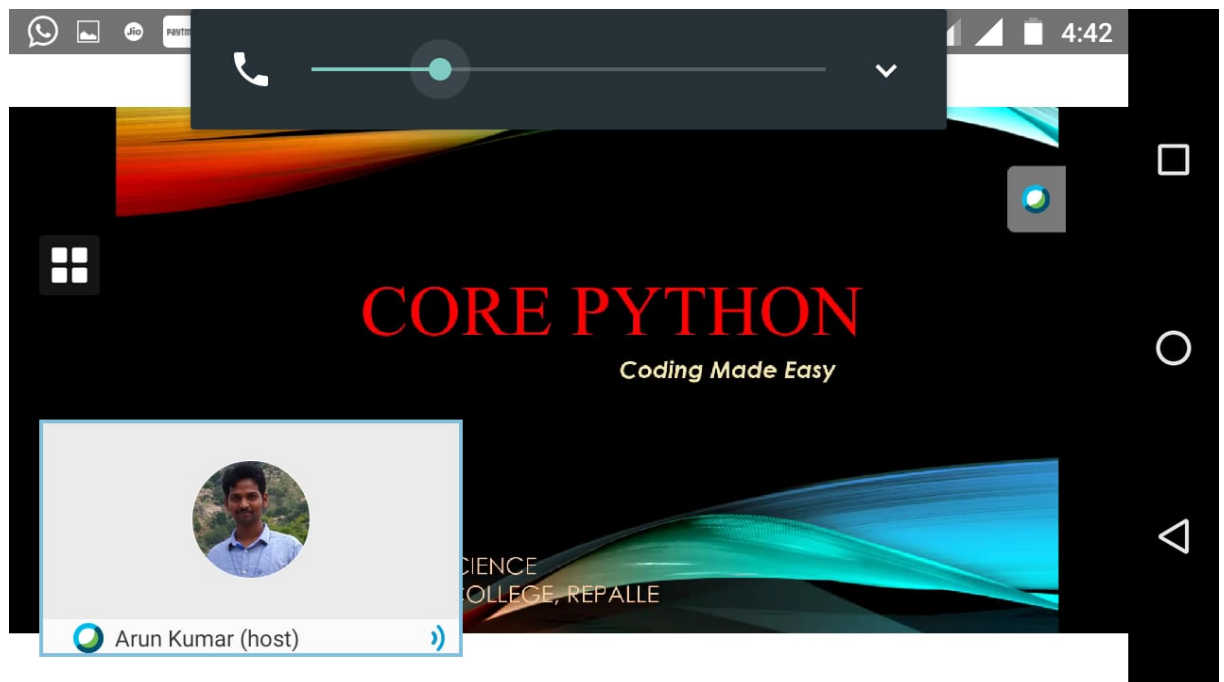
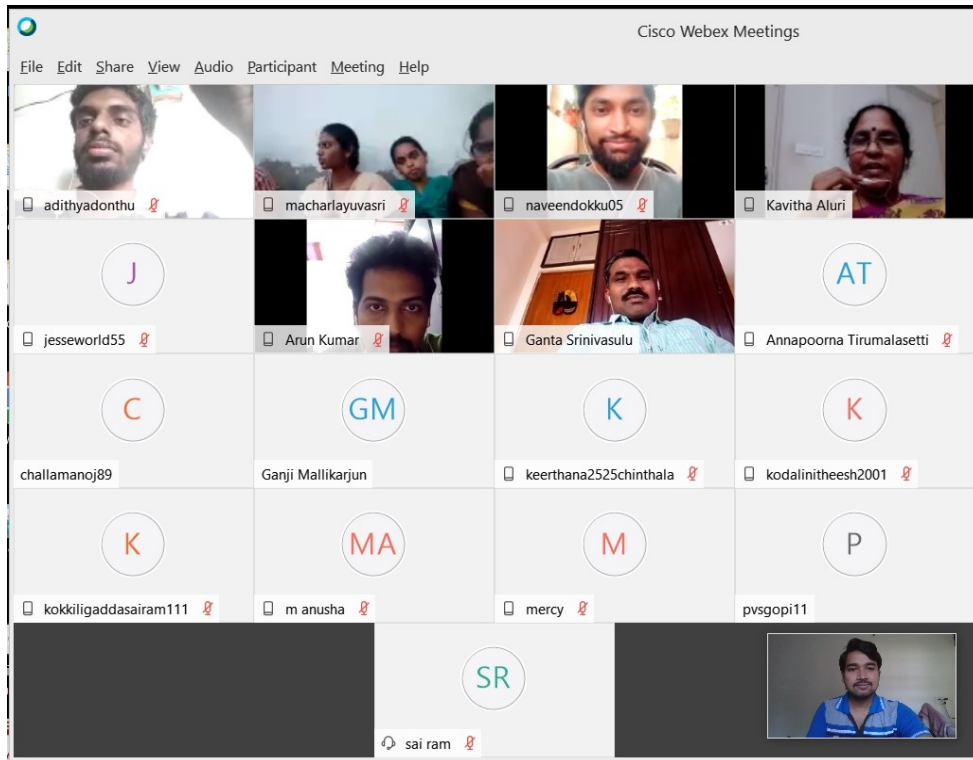
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# Department of Computer Science

## Online Certificate Courses

1. Sri G. Raviteja, Lecturer in Computer Science has organized a Two Week Online Certificate Course on “**Cyber Security Essentials**” for the II B.Sc Students.
2. Sri P. Arun Kumar, Lecturer in Computer Science has organized a Two Week Online Certificate Course on “**Core Python Programming**” for the B.Sc Students.

The image shows a Zoom meeting in progress. The main content is a slide with a purple background. The slide title is "Cyber Security Essentials" in large white and yellow font, with "Network Security Concepts" below it in a smaller yellow font. Underneath, it says "PREPARED BY G. RAVITEJA, LECTURER IN COMPUTER SCIENCE, SRI A B R GOVERNMENT DEGREE COLLEGE, REPALLE". The slide is numbered "1" in the top right corner. On the right side of the screen, there is a video call interface showing several participants in small windows. The names visible are macharlayuvasri, Rupa Divya, MAHAMMAD BAAJI, and adithyadonthu. A small window at the bottom right shows a participant in a blue shirt. At the top of the screen, there is a status bar that says "You're sharing your screen." and a "You're sharing your screen." button.





## SRI A B R GOVERNMENT DEGREE COLLEGE REPALLE, GUNTUR (DT) – 522 265

# Department of Computer Science

## Online National Webinars

1. Our Department has organized an Online National Webinar on **“Internet of Things”** on 6<sup>th</sup> June, 2020. Eminent resource persons like Dr. E. Sreenivasa Reddy, Prof & Dean, ANU College of Engg & Tech Acharya Nagarjuna University, Guntur, Andhra Pradesh and Mr. Sd. Parvez Hussain, Technical Lead Developer, Microsoft, Hyderabad, Telangana, explained the basics of IoT, applications of IoT and demonstrated the building a small IoT device.
2. Our Department has Technically Supported the Online National Webinar on **“Effective Use of COVID Days for Future Success : Psychological Perspective”** organized by the Department of Social Sciences & IQAC on 30<sup>th</sup> June, 2020. Dr. T.D. Vimala, Retd. Principal, Psychologist, Acharya Nagarjuna University, Guntur, Andhra Pradesh has acted as resource person and illustrated various stress reduction techniques and deliberated the fruitful usage of COVID-19 lockdown period.

The screenshot shows a Zoom meeting in progress. The main content area displays a slide with the following text:

**Sri ABR Government Degree College**  
Repalle, Guntur Dt., Andhra Pradesh – 522 265  
Affiliated to Acharya Nagarjuna University  
Accredited by NAAC with 'B' Grade

**NATIONAL WEBINAR**  
ON  
**Internet of Things**

Date: 6<sup>th</sup> June, 2020 Time: 10.30AM to 12.30PM

Webinar Proceedings are being Recorded

The Zoom interface includes a top bar with a 'Recording Paused' indicator, a grid of five participant video thumbnails, and a right-hand sidebar with a 'Participants (142)' list and a 'Zoom Group Chat' window. The Windows taskbar at the bottom shows the time as 10:33 on 06-06-2020.



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 Accredited by NAAC with 'B' Grade

**ONE DAY NATIONAL WEBINAR**  
**For Students**

**Effective Use of COVID Days for**  
**Future Success : Psychological Perspective**

Please Mute your Audio and Video to save the band width

**Date: 30<sup>th</sup> June, 2020**    **Time: 10.30AM to 12.00PM**

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ON

Recording

142 Participants

Unmute Stop Video Chat Share Screen Pause/Stop Recording Reactions Leave

RAVITEJA GADDAM

Principal GDC Repalle

Yesupadamu Rayinuthala

Dr.G.Mallikarjun

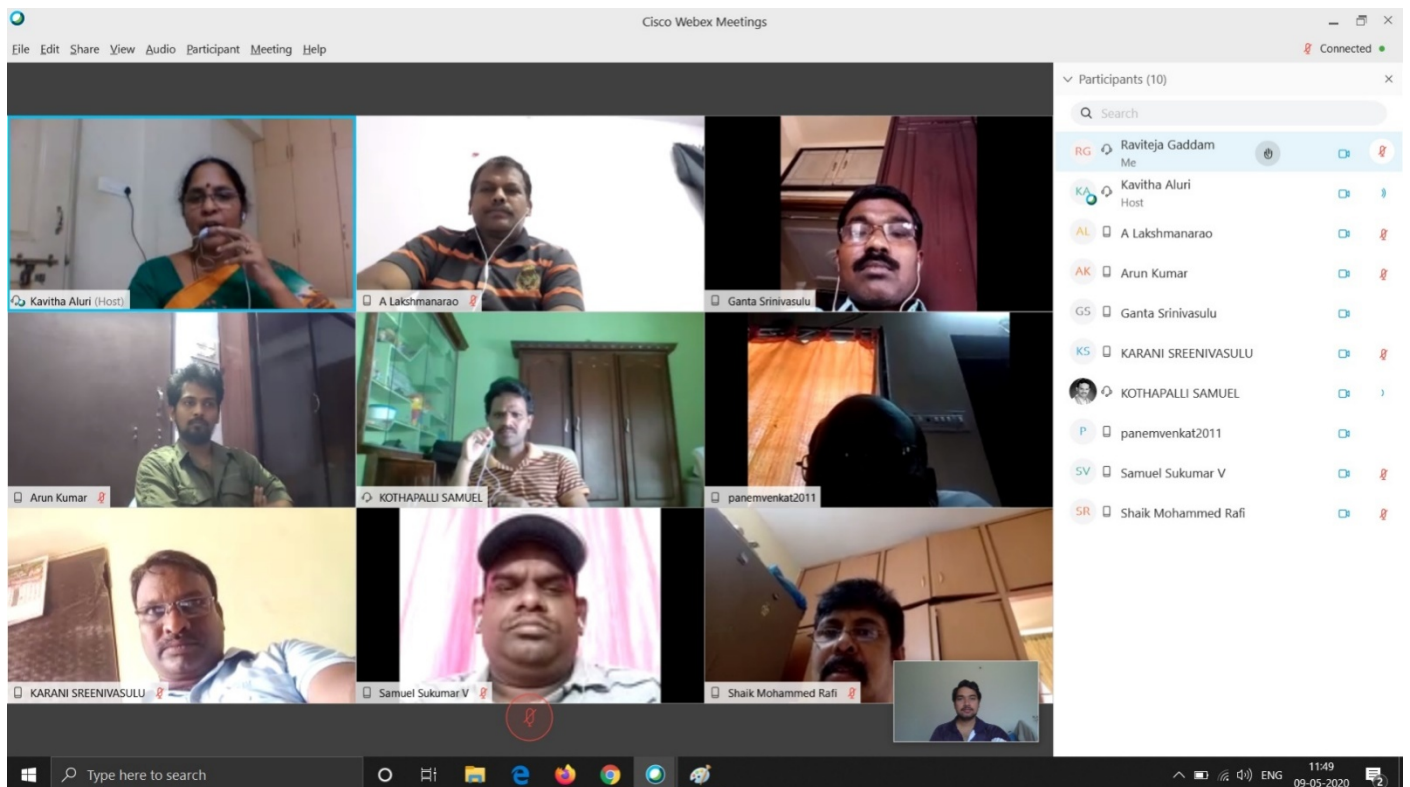
GANTA SRINIVASULU



# Department of Computer Science

## Online Faculty Development Programs

1. Our Department has organized an Online FDP on **“Google Quiz Creation & Certificate Linking”** for the faculty of our college on 20<sup>th</sup> June, 2020.
2. Our Department has organized an Online FDP on **“Online Teaching & Learning Resources”** for the faculty of our college on 9<sup>th</sup> May, 2020.
3. Our Department has organized Online Faculty Orientation Sessions on **“E-Teaching Tools”** for the faculty of our college on 18<sup>th</sup> & 19<sup>th</sup> April, 2020.



Cisco Webex Meetings

File Edit Share View Audio Participant Meeting Help

Participants (10)

- Raviteja Gaddam Me
- Kavitha Aluri Host
- A Lakshmanarao
- Arun Kumar
- Ganta Srinivasulu
- KARANI SREENIVASULU
- KOTHAPALLI SAMUEL
- panemvenkat2011
- Samuel Sukumar V
- Shaik Mohammed Rafi

Viewing Kavitha Aluri's applic...

docs.google.com/forms/d/1DG6S9gLNMAQXeLVXK78biKWrs5ibxleXxRj9No3KZnA/edit

Quiz on e-learning and Precautions during anc

Questions Responses 142 Total points: 15

Sri ABR Government Degree College  
Repalle, Guntur(Dt), Andhra Pradesh  
Department of Computer Science

Section 1 of 3

Quiz on e-learning and Precautions during

Individual Information

Email address \*

Valid email address

11:58 09-05-2020

5:29

P VENKATESWARLU

Kavitha Aluri (host, me)

callryp@gmail.com

drntrajudl2011

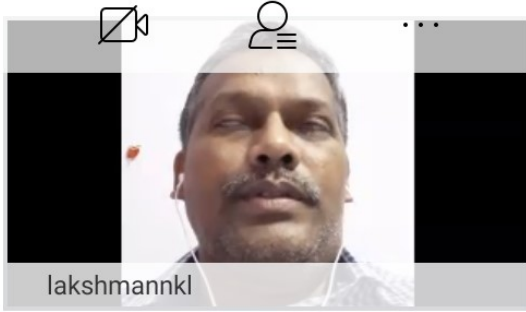
Speaking: Kavitha Aluri, drntrajudl2011



VOLTE 11:09



Raviteja Gaddam



lakshmannkl



Arun Kumar (host)



Ganji Mallikarjun

Speaking: Raviteja Gaddam, lakshmannkl





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# **Department of Computer Science**

## **Content Generation for LMS**

1. Smt. A V Kavitha is acting as the in-charge for the AP CCE LMS - Computer Science Subjects Four Quadrant Content Generators.
2. Sri G. Raviteja is acting as Content Generator and also as Paper in-charge for Software Engineering subject , AP CCE LMS.



## SRI A B R GOVERNMENT DEGREE COLLEGE REPALLE, GUNTUR (DT) – 522 265

# Department of Computer Science

### Resource Person for Subject Experts

1. Smt. A V Kavitha acted as a Resource Person to create awareness on “Open Educational Resources” for the Degree College LMS Subject Experts.
2. Smt. A V Kavitha acted as a Resource Person for the Five Day FDP in Online Teaching Tools for the Junior College Lecturers of State Govt. of AP to create awareness on “Open Educational Resources” & “Virtual Labs”.

The screenshot shows a Webex meeting interface. The main content is a presentation slide with a blue background. The slide title is "What is OER?" in yellow. Below the title, there are two bullet points: "Open Educational Resources are teaching and learning materials that you may freely use and reuse, without charge." and "OER often have a Creative Commons or GNU license that state specifically how the material may be used, reused, adapted, and shared." To the right of the text is a white globe icon. At the bottom of the slide, there are two small icons of people sitting at a table. The meeting interface includes a top menu bar with "Share", "View", "Audio", "Participant", "Meeting", and "Help". On the right side, there is a "Speaking:" section with a video feed of a woman in a purple sari. Below the video feed is a grid of participant thumbnails, including "Kavitha Aluri", "Commissionera... (Host...)", "Kavitha Aluri", "RI", "RG", "Rokkala Indira", "RAVITEJA G", "1", "RKMEDURI", and "1662642009". The bottom of the screenshot shows a Windows taskbar with a search bar and various application icons. The system tray shows the time as 15:47 on 27-08-2022.



Smt. M.M. NAYAR, I.A.S.  
Hon'ble Special Commissioner,  
C.C.E. A.P., Vijayawada



Smt. V. RAMAKRISHNA, I.R.S.  
Hon'ble Special Commissioner & Secretary  
Intermediate Education - A. P., Amaravathi

## A 5-DAY FACULTY DEVELOPMENT PROGRAMME IN ONLINE TEACHING TOOLS FOR JUNIOR COLLEGE LECTURERS OF STATE GOVERNMENT OF ANDHRA PRADESH

Organised by

Commissionerate of Collegiate Education, Govt. of Andhra Pradesh  
ANR Towers, Prasadampadu, Vijayawada



SEP | 2020  
14<sup>th</sup> - 18<sup>th</sup>  
10:30 AM - 1:30 PM



SESSION-1  
10:30 am - 12:00 pm

SESSION-2  
12:00 pm - 01:30 pm



**Smt. A.V. Kavitha**

Lecturer in Computer Science,  
GDC, Repalle

Open Educational Resources



**Smt. A.V. Kavitha**

Lecturer in Computer Science,  
GDC, Repalle

Virtual Labs



YouTube  
LIVESTREAM

<https://youtu.be/4Yu3qP47GEE>



**Dr. m. nagaRaju**

Professional Teacher Trainer  
Hyderabad

Presentation Skills



**Sri. P. Sreedhar**

Academic Cell,  
O/o CCE, A.P., Vijayawada

Basic needs for  
Online Teaching



YouTube  
LIVESTREAM

<https://youtu.be/-SZcKxyBJLg>



**Dr. A. Vimala Rodhe**

Lecturer in Microbiology,  
Silver Jubilee GDC(A), Kumool

Google Classroom for Blended Learning



**Dr. A. Vimala Rodhe**

Lecturer in Microbiology,  
Silver Jubilee GDC(A), Kumool

Hands on Training



YouTube  
LIVESTREAM

<https://youtu.be/EydWh-8jdDs>



**Dr. G. Rajasekhar**

Lecturer in Zoology,  
GDC (M), Anantapuramu

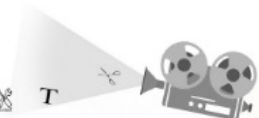
Video making Tools  
(OBS, Screen Recorder & Camtasia)



**Dr. G. Rajasekhar**

Lecturer in Zoology,  
GDC (M), Anantapuramu

Hands on Training



YouTube  
LIVESTREAM

<https://youtu.be/2KS8QgjqMbK>



**Dr. G. Sreenivasa Rao**

Lecturer in Commerce  
GDC, Narsipatnam

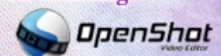
Video Editing Tools  
(Kinemaster) with Hands on Training



**Dr. G. Samuel David Raj**

Lecturer in Zoology  
GDC, Araku

Video Editing Tools (Openshot)  
with Hands on Training



YouTube  
LIVESTREAM

[https://youtu.be/TerLospR\\_wc](https://youtu.be/TerLospR_wc)

VALEDICTORY FUNCTION on 18<sup>th</sup> Sept at 01:30pm