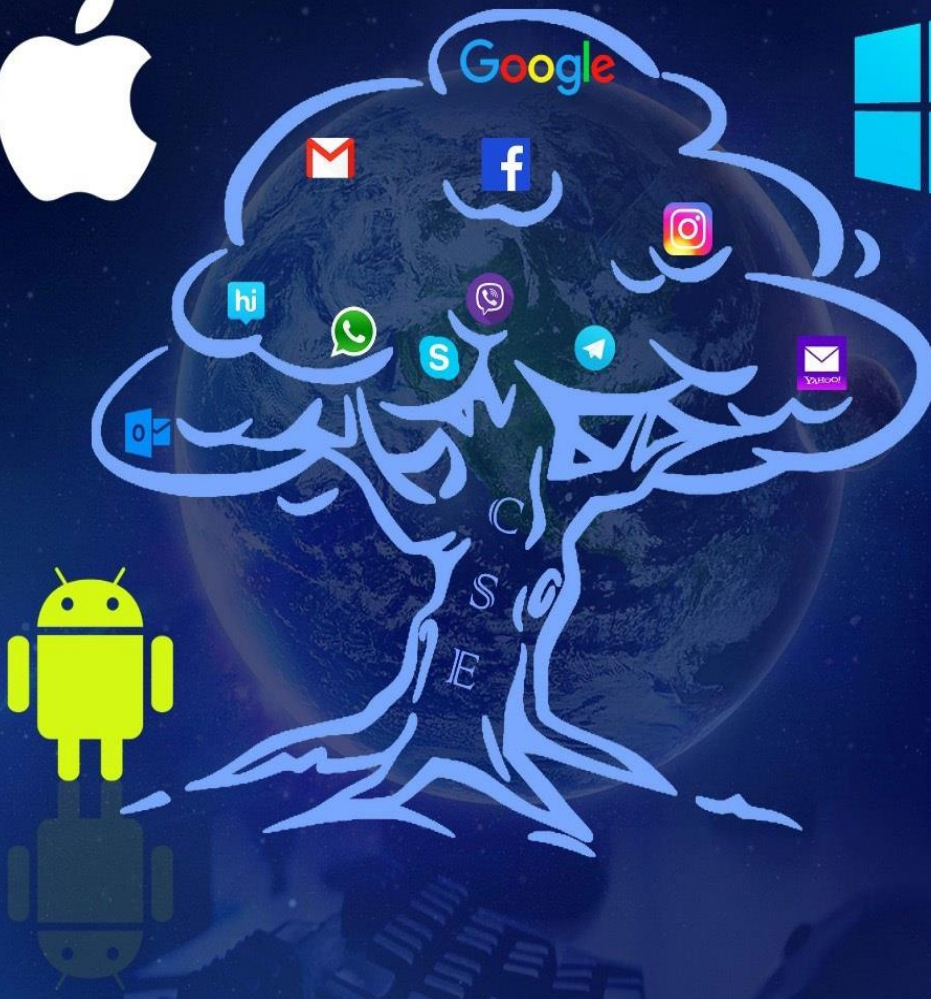




COMPUTER SCIENCE & ENGINEERING

with association of techwings



CHALAPATHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Affiliated to Acharya Nagarjuna University)

Accredited by NAAC with A Grade

ISO Certified Institute



EDITORIAL BOARD

“Every great and worthy human accomplishment which finds engraved in letters of gold in the pages of history depicting human civilization and progress, was in the first instance sprouted as a mere thought or conceived just as an idea by someone”.

It is the profound sense of gratitude and immense pleasure that we place in the hands of our well-wishers, friends and benefactors, this Year Book 2019-20. We have always felt as students of this great institution we should always endeavour to make mark in the college’s prestigious history.

Our modest endeavour to bring out this Year Book this year (2019-20) is born out of enthusiasm to provide the students an opportunity to discover their dormant talents and to give vent to their feelings and imaginations and also exhibit their creativity. This little idea of a magazine became a reality entirely due to the enthusiastic response from the students. The content of this magazine covers a range of topics which are informative, thought provoking, humorous, and imaginative.

A heartfelt thanks to all the contributors of articles and coordinators and most appropriately all the generous hearts, without whose support, we could not have undertaken this monumental work.

As a team, we dedicate this magazine to the well wishing and beloved seniors 2016-2020 batch, who here been the strength and are part of its plans and actions, guiding throughout their times with us. We expect the same guiding, cooperation and support from them throughout their lives.

All the data presented in the magazine is of **2019-20** academic year only.

EDITORIAL BOARD



CHALAPATHI
INSTITUTE OF ENGINEERING AND TECHNOLOGY

ABOUT COLLEGE

CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY was established in the month of June, 2007. The college is **Affiliated to Acharya Nagarjuna University** and recognized by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE), New Delhi. It offers four year B.Tech courses in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering. These courses are started right from the beginning of the college i.e. from 2007. Recently in the year 2009 B.Tech Course in Civil Engineering also started.

From the Academic Year 2012-13 onwards B.Tech course in Mechanical Engineering, an additional intake in B.Tech Computer Science , and M.Tech courses in Computer Science and Engineering, Electronics and Communication Engineering were introduced B.tech course in computer science and information technology is started .

At this the burning objective of the college is to promote flowery education which is indispensable and useful for the society with professional and ethical values through the divine centres of excellence. Unique in its structure, amazing methods and goals, the college is strongly rooted in a philosophy of training and research that emphasizes the intimate relationship between knowledge and its application and seeks to promote the creation of an ideal society.

It is packed up with green belt, free from pollution and it is very near to the Historical place Amaravati at the banks of river Krishna where Kalachakra was held and this is the place where we got sculptures of Buddha, Situated in Chalapathi Nagar, Lam, Guntur. An ideal place for higher learning, it is just a stone's throw away from the heart of Guntur town. The taught are exposed to congenial atmosphere for diligent academic pursuit in Chalapathi Institute of Engineering and Technology.

INSTITUTE VISION

To emerge as an Institute of Excellence for Engineering and Technology and provide world-class education and research opportunities to the students catering the needs of society.

INSTITUTE MISSION

Establishing a state-of-the-art Engineering Institute with continuously improving infrastructure and produce students with innovative skills and global outlook.

ABOUT DEPARTMENT

The commencement of the department of CSE was accomplished in 2007-08 and had successfully integrated the years of excellence and still incomparable.. The Department offers, B.Tech Program in Computer Science and Engineering with an annual intake of 180 and B.Tech Program in Computer Science and Engineering information technology with an annual intake of 60, M.Tech program in Computer Science and Engineering with an annual intake of 18.

The department has strategically gained experienced faculty members who expertise in various subjects makes academic excellence.

The department has engaged in training students towards industry needs with necessary software exposure right from the day of its establishment. The department has acquainted in conducting guest lectures, workshops, student paper presentation and conferences.

The department of CSE encourages students to participate in various extra-curricular activities and competitions held by other universities and colleges within the state and outside the state. The students also have won laurels to the college by winning prizes in various competitions

Department of CSE forms an association named CSE TECHWINGS for new environment and changes in students.

DEPARTMENT VISION

To produce professionally competent, research oriented and socially sensitive engineers and technocrats in the emerging technologies.

DEPARTMENT MISSION

DM 1: State of art laboratories to meet the needs of the continuous change.

DM 2: Provide a research environment to meet the societal issues.

DM 3: Facilitating collaborations/MOU'S towards emerging technologies.

TECHWINGS ASSOCIATION

CIET

CHALAPATHI INSTITUTE OF ENGINEERING & TECHNOLOGY
CHALAPATHI NAGAR, LAM, GUNTUR -522034



We Create
Simulate
Emulate

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Techwings is a student association in the department of CSE. The main objective of the association is to serve the society and to bring out internal talent of the students.



Sri. Y.V.ANJANEYULU
FOUNDER & CHAIRMAN,
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.

MESSAGE

I am greatly honoured to serve the society as **President** of CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY. Students of CSE are doing a good job in keeping the students involved in academics as well in co-curricular and extra curricular activities. It helps them to get knowledge beyond academics.

As production, software and service industries are shifting to India, our country needs lakhs of Engineers to fulfil the demand. These Engineers need to be creative in thinking, innovative in execution, proficient in oral and written communication, able to work for longer hours effectively in teams, on multi - disciplinary projects.

In fact, these are our core teaching values at our CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY.



Sri. Y. SUJITH KUMAR, B.Tech., M.B.A.(USA)
SECRETARY & CORRESPONDENT
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.

MESSAGE

I am greatly honoured to serve the society as **Secretary & Correspondent** of CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY. This magazine is the desire of CSE students to share their creations, articles and views among themselves. This magazine is a perfect blend of information.

The best environment we can provide for our students are the ones that lead them to take responsibility for their learning. What a difference it makes in a student's mind knowing that they've discovered the answer for themselves, or been able to create it if it wasn't there.

I congratulate the editors for their efforts in bringing out the magazine.



**Sri. D. VINAY KUMAR,
DIRECTOR
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.**

MESSAGE

It is great pleasure to note that the Department of Computer Science & Engineering is releasing an Annual Magazine which briefs the activities of the association, brings out the hidden talents of the students of CSE.

Any teacher can awaken a student's belief themselves. Frost encourages the idea of inspiring curiosity and sparking the desire for knowing in students. As a teacher, you are the best guide for your students in the move towards this kind of illumination. Get students curious about discovering knowledge for themselves, and focus on their interests and inherent skills and natural talents.



**Dr. B. RAVEENDRA BABU,
PROFESSOR & CEO
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.**

MESSAGE

A college magazine is a mirror of the college life. It reflects the literary, educational and sports activities going on in the college. It projects the important events celebrated in the college during a certain month or year. It also contains news about the college.

As a teacher, you're the most important part of a young student's life. Your love of learning can be infectious and inspiring to any student you teach. Remember how you nurture the courage in a pupil's heart. You are a tutor, an enabler, a caregiver combined, you can and will make a difference.

I congratulate the team for bringing an excellent magazine.



**Dr. M. CHANDRASHEKHAR B.E, M.Tech, Ph.D, MISTE
PRINCIPAL
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.**

MESSAGE

It is great pleasure to note that the Department of Computer Science & Engineering is releasing an Annual Magazine. The college magazine is a comprehensive magazine as it contains valuable articles from the college professors and from the ex-students, who want to convey about their successful career and about their interesting experiences. Thus a college magazine plays an important role in the life of college students. For old students, it revives their memories.

Teaching & learning process is effective, unparallel and effectively implemented by the dynamic Head of the Departments with the support of the respective faculty members.

We provides amenities like training for placement, internet, hostel for boys and girls, medical facility, additional training to the hostel students, transport from every corner of the district, canteen and parent interaction cell for continuous information and guidance.



Dr. K. KIRAN KUMAR
HOD, Dept of CSE,
CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
GUNTUR.

MESSAGE

It is great pleasure to note that the Department of Computer Science & Engineering is releasing an Annual Magazine which briefs the activities of the association, brings out the hidden talents of the students of CSE.

It gives me immense pleasure to lead the department of CSE. The department offers B.Tech CSE and M.Tech CSE. The aim of the department is to provide high quality education along with training the students with all the new advancements in computer science. The excellent infrastructure, the teaching faculty of the best kind of the department institutes quality education.

STAFF

S.NO	NAME OF THE FACULTY	DESIGNATION	QUALIFICATION
1	Prof. B.Raveendra Babu	Professor & CEO	M.E, Ph.D
2	Prof. K.Kiran Kumar	Professor & HOD	M.E, Ph.D
3	Prof P.SubbaRao	Professor	MS
4	Prof. K.Raja Rammohanrao	Professor	M.Tech,Ph.D
5	Prof. K.Lakshmi Prasad	Professor	M.Tech,Ph.D
6	Dr B.V.V.S.Prasad	Associate Professor	M.Tech,Ph.D
7	Sri B.Hari Krishna	Assistant Professor	M.Tech(Ph.D)
8	Sri T.Venkateswarlu	Assistant Professor	M.Tech(Ph.D)
9	Smt K.Aruna Kumari	Assistant Professor	M.Tech(Ph.D)
10	Sri G.Bharath Kumar	Assistant Professor	M.Tech(Ph.D)
11	Sri G.RamaChandra Rao	Assistant Professor	M.Tech
12	Sri A.Naga Raju	Assistant Professor	M.Tech
13	Sri N.JagaJeevan	Assistant Professor	M.Tech
14	Sri J.Bhargav	Assistant Professor	M.Tech
15	Sri N.Srikanth	Assistant Professor	M.Tech
16	Smt G.Pavani	Assistant Professor	M.Tech
17	Sri P.Venkata Siva	Assistant Professor	M.Tech
18	Sri SK.John Sydulu	Assistant Professor	M.Tech
19	Smt M.Asha Aruna Sheela	Assistant Professor	M.Tech
20	Sri K.Madhu Kiran	Assistant Professor	M.Tech
21	Sri K.Sasikanth	Assistant Professor	M.Tech
22	Sri A.Sri Harsha	Assistant Professor	M.Tech
23	Ms K.Venkata Sumathi	Assistant Professor	M.Tech
24	Sri Nagaseshu	Assistant Professor	M.Tech
25	Mrs Y.Saraswathi	Assistant Professor	M.Tech
26	Mrs B.Rajya Lakshmi	Assistant Professor	M.Tech
27	Ms.Sk.RaziyaSultana	Assistant Professor	M.Tech
28	Sri B.Lakshmi Narayana	Assistant Professor	M.Tech

STAFF ACHIEVEMENTS

FUNDING PROJECTS SANCTIONED

S. No	Name of the faculty	Name of the Grant	Amount	Agency
1	Prof. K.Kiran Kumar	National Conference Grant (F.No. 67-11/IDC/GOC/POLICY-5/2019-20)	Rs.1,66,667/-	AICTE

PATENTS PUBLISHED

S. No	Name of the faculty	Patent topic	Publishing No	Date
1	Prof. K.Kiran Kumar	An operators of information gathering Smart Spectacles based on Artificial Intelligence	202041014807	2/4/2020
2	Dr B.V.V.S. Prasad	Bottle with LID	322846-001	22/10/2019
3	Prof. K. Kiran Kumar Dr B.V.V.S. Prasad Prof. K.Lakshmi Prasad	Multiple Socket in single plug	322674-001	18/10/2019

AWARDS RECEIVED

S. No	Name of the faculty	Name of the Award	Agency
1	Prof. K.Kiran Kumar	Uttam Acharya Puraskar Award	Indian Servers
2	Prof. K.Kiran Kumar	Academic Leadership Award 2019	International Institute of Organized research
3	Dr B.V.V.S. Prasad	Seva Puraskar Award	Police View
4	Dr B.V.V.S. Prasad	Distinguished Professor Award	Amravati Research Academy
5	Dr B.V.V.S. Prasad	Outstanding Contribution & Praiseworthy Achievement Award	Friendship Forum

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

S. No	Name of the faculty	No. of Papers Published
1	Prof. K. Kiran Kumar	6
2	Sri. G. Rama Chandra Rao	3
3	Prof. K.R.R. Mohan Rao	2
4	Prof. K. Lakshmi Prasad	2
5	Dr B.V.V.S. Prasad	2
6	Sri. P. Venkata Siva	2
7	Sri. B.Hari Krishna	1
8	Sri. T.Venkateswarlu	1
9	Sri. K.Aruna Kumari	1
10	Sri. G.Bharth Kumar	1
11	Sri. A.Naga Raju	1
12	Sri. J. Bhargav	1
13	Sri. Sk. John Sydulu	1
14	Sri. M.Asha Aruna Sheela	1

PAPERS PRESENTED IN CONFERENCE

S.No	Name of the faculty	Name of the Conference & Venue	Venue & Date
1	Prof. K.R.R. Mohan Rao	DRDO Sponsored National Conference on Wireless Communications and Wireless Sensor Networks	KL University & 7 th & 8 th March 2020
2	Prof. K.Lakshmi Prasad	National Conference on Recent Advancements in Information Technology (NCRAIT-2020)	QISCET & 18-03-2020

NPTEL COURSES COMPLETED BY FACULTY

S. No	Name of the Faculty	No. of courses Completed
1	Prof. B. Raveendra Babu	4
2	Prof. K. Kiran Kumar	6
3	Dr.B.V.V.S.Prasad	5
4	Prof. K.L.Prasad	3
5	Sri G. RamaChandraRao	2
6	Sri B. Hari Krishna	1
7	Sri A Nagaraju	1
8	Sri SK.JohnSydulu	1
9	Mrs P. Venkata Siva	1
10	Smt M.AshaArunaSheela	1
11	Miss Sk. RaziyaSultana	1

FDP/STTP/WEBINAR/TRAININGS ATTENDED

S.No	Name of the Faculty	FDPs		Training activities		STTPs	Webinar
		Inside	Outside	Inside	Outside		
1	Prof. B.Raveendra Babu	1	2	1	2	1	5
2	Prof. K.Kiran Kumar	-	47	-	3	1	70
3	Prof. P.SubbaRao	-	4	-	-	1	2
4	Prof. K.R.R.Mohan Rao	-	13	-	1	1	16
5	Prof. K.L.Prasad	-	8	-	-	1	18
6	Sri B. Hari Krishna	2	14	-	-	1	12

7	Dr B.V.V.S Prasad	2		1	2	2	-
8	Smt K. ArunaKumari	-	5	-	-	1	5
9	Sri G. Ramachandra Rao	1	18	1	3	1	25
10	Sri T. Venkateswarlu	-	1	1	-	-	-
11	Sri N.JagaJeevan	-	-	2	-	-	-
12	Sri A Nagaraju	1	34	1	2	1	56
13	Sri J.Bhargav	-	16	-	1	2	24
14	Sri N. Srikanth	-	8	-	3	-	15
15	Sri G. Bharath Kumar	1	9	-	7	-	11
16	Sri SK.JohnSydulu	1	10	1	2	1	13
17	Mrs P. Venkata Siva	-	25	-	4		13
18	Smt M.AshaAruna Sheela	1	6	-	2	3	7
19	Mrs MadhuKiran	-	10	-	1	1	3
20	Mrs K. Sasikanth	-	10	-	1	1	3
21	Sri K. Nagaseshu	-	-	-	-	1	-
22	Smt G.Pavani	-	9	-	-	-	4
23	Mrs B.Lakshmi Narayana	-	1	-	-	-	-
24	Sri. A.Sri Harsha	1	1	-	2	1	-
25	Ms. K.Venkata Sumathi	1	1	-	2	1	-
26	SmtY.Saraswathi	1	3	-	-	1	10
27	Smt B.Rajyalakshmi	1	3	-	-	1	10
28	Miss Sk.Raziya Sulthana	1	5	-	-	1	14

COURSES COMPLETED BY FACULTY

S.No	Name of the Platform	No. of Faculty completed Courses
1	Coursera	39
2	NPTEL	20
3	Bit-Degree	39
4	TCS ION	15
5	Udemy	13
6	360DigiTMG	10
7	Google courses	3
8	Saylor.org Academy	2
9	Spoken Tutorial IIT –Bombay	13
10	ELSEVIER	13
11	Research Academy	9
12	Plural Sight	5
13	CISCO	1
14	EDUONIX Learning Solutions	1
15	Edx	1
16	Skilzcafe learning Solutions pvt.ltd	1
17	All India Council For Technical Education(AICTE)	1
18	ICSI	1

STUDENT PLACEMENTS

COMPANY NAME: TCS

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1215	CHEKURI GAYATRI
2	Y16CS1209	BANDI SAI SRIRAM

COMPANY NAME: HCL

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1270	NUTHAKKI RAMYA
2	Y16CS1215	CHEKURI GAYATHRI
3	Y16CS1280	POTHARLANKA NAGAPAVANI
4	Y16CS1304	TULASI PRASANNA
5	Y16CS1203	ALLAM YAMINI DIVYA

COMPANY NAME: CTS

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1296	SHAIK PEDA BAJI
2	Y16CS1208	BACHINA SRI VIDYA

COMPANY NAME: INFOSYS

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1208	BACHINA SRI VIDYA
2	Y16CS1304	TULASI PRASANNA
3	Y16CS1249	MALAPATI SRIREKHA

COMPANY NAME: ZENSAR TECHNOLOGIES

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1237	KOLAKANI SHANTHI

COMPANY NAME: MAL TECH SOLUTIONS PVT LTD

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1262	MUNAGA VENKATA NAGAMALLESWARARAO
2	Y16CS1316	VUYYURU JITHENDRA
3	Y16CS1220	DONEPUDI RAJESH
4	Y16CS1256	MANOJ GOPISETTI

COMPANY NAME: EFFTRONICS

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1267	NALLURI VINAY KUMAR
2	Y16CS1300	TAMMINA SAI VAMSI

COMPANY NAME: SRAYA IOT TECHNOLOGIES PVT LTD

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1308	VANKA MAHIJA
2	Y16CS1310	VEERAVALLI MANJULA
3	Y16CS1296	SHAIK PEDA BAJI
4	Y16CS1313	VEMPATI SUSMITHA
5	Y16CS1303	TIRUMALASETTY GAYATHRI

COMPANY NAME: WIPRO

S.NO	REGD. NO	NAME OF THE STUDENT
1	Y16CS1296	SHAIK PEDA BAJI

2016-2020 BATCH GROUP PHOTO



STUDENT ACHIEVEMENTS

- G.Sowmya II/IV CSE Won 2nd Prize in Tennicoit at R.V.R & J.C. College of Engineering , Guntur, on the occasion of Sports Fest 2020
- J. Joharika III/IV CSE Won 2nd Prize in Tennicoit at R.V.R & J.C. College of Engineering , Guntur, on the occasion of Sports Fest 2020
- G.Madhuri II/IVCSE Won 3rd Prize in Dance during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-2020
- B.Nandini Lakshmi II/IV CSE Won Runner of Chess Women during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-2020
- Priyanka III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Maneesha II/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Hema III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Sudheera III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Poojitha III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- S. Seshagiri III CSE Won 2nd Prize in CHEC SPOORTHY 2020(PPT) during 6th-7th Feb 2020 at Chebrolu Engineering College.
- P. Nageswara rao IV CSE Won 2nd Prize in CHEC SPOORTHY 2020(PPT) during 6th-7th Feb 2020 at Chebrolu Engineering College.
- S. Ramu CSE Won 1st prize in Paper presentation in BIONIC EYE at Usha Rama College of Engineering and Technology.
- B. Prasanthi, L. Ramya Tejaswi CSE won 1st prize in Block Chain at Vignan Nirula Intitute of Technology & science for women.
- P. Sai sumath CSE 1st Prize at KITS Engineering College
- B.Prasanthi CSE 2nd Prize at Vignan Nirula Intitute of Technology & science for women.

- T. Sai Vamsi, P.Chalama Rao CSE won 1st Prize in Hacking Books at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Md. Sheema CSE won 1st Prize in Agriculture Bot at RISE ongle.
- V.L.N.Hari Chandana CSE won 2nd prize in Agriculture Bot at RISE ongle.
- Sushma III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Lavanya III/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Divya IV/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Sujatha IV/IV CSE Won 2nd Prize in Throw ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Bhavya III/IV CSE Won 1st Prize in Tennicoit during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- K.Ruchitha I/IV IV CSE Won 2nd Prize in chess during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- S.Sufina Sultana II/IV CSE Won 1st Prize in Chess during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Sudheer Babu III/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Bhuvan Chandra III/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Venkata Manikanta III/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.

- G. Narendra II/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Chaitanya IV/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- M. Teja IV/IV CSE Won 2nd Prize in Volley ball during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur
- M. Gowthami I/IV CSE Won 1st Prize in Mime during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- S.Gopi Nath I/IV CSE Won 1st Prize in Mime during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Krishna Chaitanya II/IV CSE Won 1st Prize for Novum Poster designing during 13th-14th March - 2020 A National Level Techno Cultural & Sports event at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Shanmukh I/IV CSE Won 1st Prize in Mimicry during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Sai sindhu I/IV CSE Won 1st Prize in Carroms during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- G.Madhuri II/IV CSE Won 1st Prize in Rangoli during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- T. Gopi Chand I/IV CSE Won 1st Prize in Carroms - boys during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Y.Sai Venkata Mani Kishore I/IV CSE Won 1st Prize in Mime during 13th-14th March - 2020 A National Level Techno Cultural & Sports event (NOVUM) at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Naveen Narala III/IV CSE Participated in Quiz during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-2020
- Yaswanth Kumar M III/IV CSE Participated in Quiz during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-2020

- Sd. Arshya Bhanu II/IV CSE Participated in Quiz during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-2020
- Sk.Nazma II/IV CSE Participated in Quiz during 6th-7th March 2020 at Chalapathi Institute of Technology, Guntur, on the occasion of UDGHOSH-20
- M.Manideep I/IV CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering , Guntur, on the occasion of Youth Fest 2020
- M.Akhil I/IV CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering ,Guntur, on the occasion of Youth Fest 2020
- P.Tirupathi Naidu I/IV CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering , Guntur, on the occasion of Youth Fest 2020
- L.Kiran I/IV CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering ,Guntur, on the occasion of Youth Fest 2020
- Venkatesh M CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering ,Guntur, on the occasion of Youth Fest 2020
- Yaswanth Muppavarapu CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering, Guntur, on the occasion of Youth Fest 2020
- Adinarayana Maddineedi CSE Participated in SCINTILLA - 2020 at R.V.R & J.C. College of Engineering, Guntur, on the occasion of Youth Fest 2020
- Venkatesh Marnedi CSE Participated in NIRULOSTAV-2020 (Query Cracking) During 29th-29th FEB at Vignan Nirula Institute of Technology & Science for women's
- M.Maneesha Venkata Sai CSE Participated in NIRULOSTAV-2020(Paper Presentation) during 29th-29th FEB at VignanNirula Institute of Technology & Science for women's
- K.Jitha Priya CSE Participated in NIRULOSTAV-2020(Group discussion) during 29th-29th FEB at VignanNirula Institute of Technology & Science for women's
- Anil Kumar Vasantha CSE Participated in Workshop during 22nd-23rd Feb 2020 at JNTU Kakinada
- G Venkateswara rao CSE Participated in GNAAN-2020(Kho-Kho) during 18th-19th Feb 2020 at Guntur Engineering College
- D Jagadeesh Chandra Babu CSE Participated in GNAAN-2020(Technical Quiz) during 18th-19th Feb 2020 at Guntur Engineering College
- K L Jaswanth CSE Participated BECTAGON 2020(code revelry) during 14th-15th Feb 2020 at Bapatla Engineering College
- K L Jaswanth CSE Participated BECTAGON 2020(polyglot) during 14th-15th Feb 2020 at Bapatla Engineering College

- Y Dheeraj Chowdary CSE Participated BECTAGON 2020 during 14th-15th Feb 2020 at Bapatla Engineering College
- P Vamsi Krishna CSE Participated BECTAGON 2020 during 14th-15th Feb 2020 at Bapatla Engineering College
- K Prudvi Raj CSE Participated BECTAGON 2020 during 14th-15th Feb 2020 at Bapatla Engineering College
- K Sumanth CSE Participated BECTAGON 2020 during 14th-15th Feb 2020 at Bapatla Engineering College
- K Preetham CSE Participated BECTAGON 2020 during 14th-15th Feb 2020 at Bapatla Engineering College
- V MadhuKrishna CSE Participated in CHEC SPOORTHY 2020(PPT) during 6th-7th Feb 2020 at Chebrolu Engineering College.
- P Rohith CSE Participated in CHEC SPOORTHY 2020(PPT) during 6th-7th Feb 2020 at Chebrolu Engineering College.
- P.Ramana Reddy CSE Participated in CHEC SPOORTHY 2020(PPT) during 6th-7th Feb 2020 at Chebrolu Engineering College.
- V.Chaitanya CSE Participated in Swecha Freedom Fest during 27th-28th Jan 2020 at Swecha AP, KLEF.
- K L Jaswanth Participated in Winter Internship Training Program during 09th-21st Dec 2019 at SMART BRIDGE.
- Akarapu Bhargavi, Bachala Naga Kavya CSE won Elite Certificate in NPTEL Sept 2019 end Examination held on 29th September 2019 in online.
- Paladugu Chalama Rao, Suryadevara Sai Adarsh,Nuthakki Ramya, Cherukuri Gayathri CSE Participated in Hack SRM-2019 held on 28th Sep 2019 at SRM University-AP.
- K.L.Jaswanth CSE Participated in WAC/2019 during 7th-8th,17th-18th, and 21st-22nd Sep 2019 at IIT,Hyderabad
- Y.Dheeraj Chowdary , K .Y .S .S. V. Prasad, K. Preetham, K. Sai Teja Reddy, M Revanth Sai, V.Madhu Krishna, P.Vamsi Krishna , K.Prudhvi raj CSE Participated in Tekhack-2019 during 10-12th Aug 2019 at JNTU College of Engineering, Hyderabad.
- A.Bhargavi, B.Naga Kavaya Participated in APSSDC-2019-Workshop”AWST Technical Essential Services” during 29th-30th Aug 2019 at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- R.Kalyani, P.Sireesha CSE Won 1st prize in Tennikoit at Chalapathi Institute of Engineering and Technology, Lam, Guntur.

- Sk.Madharbi , J.Mounika CSE won runner prize in Tennikoi at Chalapathi Institute of Technology.
- P.Jyothirlatha CSE Got wineer prize in Chess at Vignans Nirula.
- A Menaka sri harshini CSE won runner prize in Chess at Hindu College.
- Sk Riffath Afreen,K.Gayatri CSE won runners prize in Carroms at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- V.Charmina, M.Sushma,G.Jyothi, P.Prasanna, Ch.Sravani, B.Madhavi, V.Moulika, B.Jhanmi, P.Keerthhi, M.Nandini got winners prize in Throw ball at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- A Menaka Sri Harshini, K.Sri Harshitha, M Danika Keerthi, M Ganga Bhavani, K Pushpalatha, D Vasavi, B Reeha, Y Lasya, R Swathi Thanmai, P Srujana CSE won runners prize in Throw Ball at Hindu college
- G. Prakash Rao, CSE won Winner prize in Chess at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- Ch Narendra CSE won Runner prize in Chess at MasterMinds
- G Nani, J Purna Chathuranan CSE won Winners prize in Carroms at R.V.R & J.C. College of Engineering , Guntur
- T.GopiChand, P. Pavan Kumar CSE won Runner prize in Carroms at Chalapathi Institute of Engineering and Technology, Lam, Guntur.
- B.Srikanth, Ch Siva sai, K.Durga Prasad, P Thirumala,B Venkata Siva Rao, P Vasu, T Chaitanya Raj, K Venkatesh, R Yeshwanth CSE won Winners prize in Volley Ball at NRIT, Guntur.
- D Aravindh, Sk Hazi, U Ravi, K rajKumar, Sk Sadhik, K Venu, K Ranga Babu, N Nagarjuna, A Ankamma Rao won Runners prize in Volley Ball at Chalapathi Institute of Technology, Mothadaka, Guntur.
- P Venkateswara Rao, V pavan Kumar, M Akhilesh Kumar, M Ajay Kumar, N Ram Kumar Naik, N sujith Kumar, M Sudarshan Reddy, Dileep Chowdary, K SriRam, V Abhilash Varma CSE won Winners prize in Kabbadi at QIS, Ongole.
- K RajaSekhar, K Kondapanaidu, D Naveen, N Kranthi Kumar, M Rajesh, N Hari Krishna, V Srujan Kumar Reddy, D Ravindra Babu, Y Prasanth, V Nagireddy CSE won Runners prize in Kabbadi at KHIT,GUNTUR.

INTERNSHIPS DONE BY STUDENTS

S. No	Name of the Company	No. of Students
1	Indian Servers	28
2	Caddy Code Solutions Pvt.ltd	12
3	Brain O Vision	9
4	Verzero	1
5	Gagan APPS	1
6	Swecha	1
7	Azure skynet	1
8	Smart Bridge Educational Services pvt.ltd	1

ONLINE COURSES DONE BY STUDENTS

S.No	Name of the Platform	No. of Students completed Courses
1	Coursera	402
2	ANU MOOCs	104
3	NPTEL	107
4	Bit-Degree	22
5	TCS ION	34
6	GCF LearnFree.org	27
7	Udemy	7
8	360DigiTMG	10
9	Google courses	2
10	Saylor.org Academy	1
11	Alison	1
12	Solo Learn	5
13	Accenture	1

EVENTS CONDUCTED BY THE DEPARTMENT

Name of the event organized	Resource Person	Date/ Period	No. of Participants
A Five Day workshop on "Data Science"	Mr.N.Vidya Sagar Sr.Manager-AI& ML Salesforce India Pvt Ltd.	22 nd June 2020 to 26 th June 2020	420
Webinar on "Importance of virtual internships and opportunities"	Mr.Sri Chara Lakka raju CEO,STUMAGZ	20 th June 2020	820
A webinar on career guidance	Sri.V.V.Lakshminarayana I.P.S(Retired)	15 th June 2020	821
A webinar on Entrepreneurship & its Challenges	Mr.Ch.Janikiram Prasad,Rainbow Holo graphics,Kakinada	13 th June 2020	392
Five Day Webinar Series	Mr.Raja Sekhar Reddy Chandra Sr.Vice President Monarch infotech N.Sunil Balal Co-Founder InnoDi Water Technologies M.Gagan Kumar IT Analyst TCS,Hyderabad M.Venu Gopal Infosys Hyderabad Uma Mahesh Test Engineer ZENQ, Hyderabad	2 nd June to 6 th June 2020	519
3 day workshop on Responsive Web App Development from Bootstrap	Mr.Sripath Roy and Promod from Swecha	30 th May-2020 to 1 st June 2020	288
A 5 day FDP on Data Science using Python	Mr.Sripath Roy from Swecha	29 th May to 2 nd June 2020	121
Webinar on AR & VR	Mr.K.Vijayarajan CEO,MAX,Chennai	26 th May-2020	1200
Student Empowerment Programme	Mr.P.Surya Prasad,MTech ,IITKharagpur	22 nd May 2020	262
A webinar on Crypto Currencies and Block Chain	Dr.R.Sashidhar from LEADINGINDIA.AI	19 th May-2020	1100
A FDP on Cyber Security	Mr.D.Sai Satish Indian Servers.	12 th May-2020	411
Webinar on E-Learning	Dr. K.Kiran Kumar, HOD CSE of CIET	16 th April-2020	454

webinar on WINDOWS DESKTOP APP DEVELOPMENT	Dr. K.Kiran Kumar, HOD CSE of CIET	6 th & 7 th April-2020	110
A webinar on ANDROID APP DEVELOPMENT	Dr. K.Kiran Kumar, HOD CSE of CIET Sri D.Rajesh, Developer	5 th April2020	100
A Guest Lecture on “Artificial Intelligence”	Dr. B. Janakiramaih, Professor in CSE Department, PVPSIT, Vijayawada	07 th Feb 2020	89
A 2 Day Workshop on “Ethical Hacking”	Mr. Ch. Santhosh, CEO of Supraja Technologies, Mr. J. Naveen Kuamr, Vijayawada	05 th Feb 2020 to 06 th Feb 2020	100
A 2 Day Workshop on “Soft Skills”	Mr. Nadimpalli Vamsi	02 nd Jan 2020 to 03 rd Jan 2020	100
One Week STTP on “Problem Based Learning”	Dr. Arpan Kr. Mondal, Dr. Indrajit Saha, Dr. Sagarika Pal & Dr. Kinsuk Giri, From NITTTR, Kolkata	02 nd Dec 2019 to 06 th Dec 2019	34
A Six Day Workshop on “Problem Solving & Programming in Python”	E. Archana, I. Poojitha, K. Pavani Suvarna Durga, V. Gayatri Devi Trainers cum Developers, APSSDC	27 th Oct 2019 to 04 th Nov 2019	105
TEKHACK – 2019 Technical Boot Camp on AI, ML, IoT and 24Hour HACKATHON	Mr. C. Yukthesh from IBM and Amarendra CEO of Smart Bridge	13 th Sep 2019 to 15 th Sep 2019	185
A Seminar on “Making and using of Robotics”	Dr. E. Kranthi Kumar, SMT Director	26 th Jul 2019	220
A Seminar on “How to Become Entrepreneurs”	BILL MACKEY, Vice President Hawdy Networks, USA	25 th Jul 2019	50
A Two Day Workshop on “Cloud Computing with AWS”	Miss. B. Krishna Priya, Mr.V.Rupesh Kumar, Mr.V.Anil Kumar, Trainers cum Developers, APSSDC	15 th Jul 2019 to 16 th Jul 2019	77
A Two Day Faculty Development Programme on “Outcome Based Education”	Dr. G. Vara Prasad, Associate Professor, BMS College of Engineering, Bangalore	08 th Jul 2019 to 09 th Jul 2019	26

TECHWINGS ASSOCIATION ACTIVITIES

FOOD DISTRIBUTION DURING COVID



CRT TEST



Awareness Programme on Traffic Safety



Awareness Programme on Traffic Safety



2020 New Year Calendar Inauguration on 31st Dec 2019



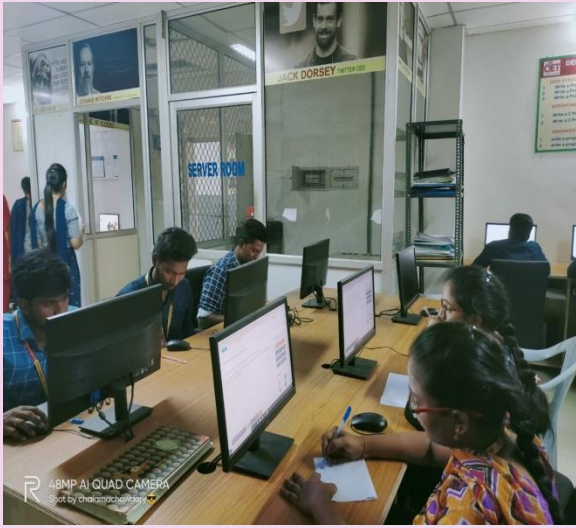
Technical Test on Python and SQL



Distribution of essential groceries for blind people.



Aptitude and Reasoning Test



Arts competition



Sports Competitions



Sports Competitions

Fruits and bread distributed to patients



Fruits distributed in orphanage



Blankets distribution to road side poor people



A Technical Quiz Competition



Eco-Friendly Ganesh Idols Distribution



Computer Awareness Programme



Distribution of books and stationary



Assembling and de-assembling computer components competition



FACULTY ARTICLES

Computer World

Computer World is a website and digital magazine that provides advice, instruction, and reviews on technology and advances specifically relating to computers. The site features links to top tech bloggers who are experts in operating systems and using related technology in businesses. Topics of interest to Computer World are computer hardware, use of the cloud, internet technology, the creation of networks, and digital security. Some of the publication's most popular articles are tutorials for navigating software products such as "How to Handle Windows 10 Updates."

Prof P. Subba Rao

Information Week

One of many online tech magazines, Information Week seeks to connect the IT leadership community through knowledge and networking. The journal only reports on tech products or innovations that

directly impact business progress, function, and productivity. Articles written by journalists, peers, and subject experts provide advice and resources on topics like government IT, company data, and security technology.

Smt. B.Rajya Lakshmi, Asst. Professor

Cryptocurrency

Cryptocurrency is the name given to a system that uses cryptography to secure transfer and exchange of digital tokens in a distributed and decentralised manner. These tokens can be traded at market rates for fiat currencies. The first cryptocurrency was Bitcoin, which began trading in January 2009.

Since then, many other cryptocurrencies have been created employing the same innovations that Bitcoin introduced, but changing some of the specific parameters of their governing algorithms. The two major innovations that Bitcoin introduced,

and which made cryptocurrencies possible, were solutions to two long-standing problems in computer science: the double-spending problem and the Byzantine Generals Problem.

Ms. Sk.Rajiya Sultana, Asst. Professor

Fuchsia

Fuchsia is a capability-based, real-time operating system (RTOS) currently being developed by Google. Fuchsia is based on a new microkernel named "Magenta", derived from "Little Kernel", a small operating system intended for embedded systems. The code post on GitHub suggested Fuchsia's capability to run on universal devices, from embedded systems to Smartphone's, tablets and personal computers.

Fuchsia's user interface and apps are written with "Flutter", a software development kit allowing cross-platform development abilities for Fuchsia, Android and iOS. Flutter produces apps based on Dart, offering apps with high performance that run at 120 frames per second. Flutter is aimed to have a single code base which can be used to produce applications on both Android and ios.

J. Bhargav, Asst. Professor

Wired

A publication of Condé Nast, Wired is a monthly magazine that features a variety of tech information including reviews of new products and analyses about technology's impact on current culture.

The magazine is accessible to less tech-savvy individuals and includes quirky articles that find an interested audience both within and outside of the tech community. Most of the content in Wired is eventually published online. The Wired website also contains general interest videos by professionals on topics like the most searched questions on the Internet. This magazine may be viewed in the Condé Nast app.

The ability to navigate tech trends can open new possibilities for businesses. Tech magazines can be an invaluable resource for the endless task of staying updated on technology innovations and products.

Sri K. Sasikanth, Asst. Professor

Leveraging Deep Learning and IoT big data analytics to support the smart cities development

The rapid growth of urban populations worldwide imposes new challenges on citizens' daily lives, including environmental pollution, public security, road congestion, etc. New technologies have been developed to manage this rapid growth by developing smarter cities. Integrating the Internet of Things (IoT) in citizens' lives enables the innovation of new intelligent services and applications that serve sectors around the city, including healthcare, surveillance, agriculture, etc. IoT devices and sensors generate large amounts of data that can be analyzed to gain valuable information and insights that help to enhance citizens' quality of life. Deep Learning (DL), a new area of Artificial Intelligence (AI), has recently demonstrated the potential for increasing the efficiency and performance of IoT big data analytics. In this survey,

we provide a review of the literature regarding the use of IoT and DL to develop smart cities. We begin by defining the IoT and listing the characteristics of IoT-generated big data. Then, we present the different computing infrastructures used for IoT big data analytics, which include cloud, fog, and edge computing. After that, we survey popular DL models and review the recent research that employs both IoT and DL to develop smart applications and services for smart cities.

Finally, we outline the current challenges and issues faced during the development of smart city services.

Smt G. Pavani, Asst. Professor

STUDENT ARTICLES

Worlds Cheapest Internet Provider

Globally if we talk about the internet and the internet users India's Jio comes in the mind. The future of India took a turn on September 2016. A huge announcement from one of the biggest industry of the India that."We are giving free internet for 6 months".

This makes the Jio grabbing over 100 million users in just 6 months. Now along Jio holds more than 400 million subscribers in India.

And overall the Jio became the world's cheapest internet connecting with only \$0.26 and make India to be on the top of list on cheapest and quality internet provider.

J.Ajay Kumar
I-CSE

Network embedding: Taxonomies, frameworks and applications

Networks are a general language for describing complex systems of interacting

entities. In the real world, a network always contains massive nodes, edges and additional complex information which leads to high complexity in computing and analyzing tasks. Network embedding aims at transforming one network into a low dimensional vector space which benefits the downstream network analysis tasks. In this survey, we provide a systematic overview of network embedding techniques in addressing challenges appearing in networks. We first introduce concepts and challenges in network embedding. Afterwards, we categorize network embedding methods using three categories, including static homogeneous network embedding methods, static heterogeneous network embedding methods and dynamic network embedding methods.

A. Ramya
IV-CSE

Deep Learning Methods for Multi-Species Animal Re-identification and Tracking – a Survey

Technology has an important part to play in wildlife and ecosystem conservation, and can vastly reduce time and effort spent in the associated tasks. Deep learning methods for computer vision in particular show good performance on a variety of tasks; animal detection and classification using deep learning networks are widely used to assist ecological studies.

A related challenge is tracking animal movement over multiple cameras. For effective animal movement tracking, it is necessary to distinguish between two cameras.

T. Sai Vamsi
IV-CSE

A comprehensive survey and analysis of generative models in machine learning

Generative models have been in existence for many decades. In the field of machine learning, we come across many scenarios when directly learning a target is intractable through discriminative models, and in such cases the joint distribution of the target and the training data is approximated and generated. The generative models, namely Gaussian Mixture Models (GMM), Hidden Markov Models (HMM), Latent Dirichlet Allocation (LDA), Restricted Boltzmann Machines (RBM), Deep Belief Networks (DBN), Deep Boltzmann Machines (DBM), and GANs.

D. Rajesh
IV-CSE

Improved node localization using K-means clustering for Wireless Sensor Networks

A power-efficient K-means clustering algorithm for Wireless Sensor Networks (WSN) is proposed. This algorithm aims to manage the consumption of energy by WS nodes and enhance the running time for WSN given space constraints. WS node cluster formation is structured as a sample space partition in k-means for the reason that the radio channel is unstable and the distribution of the nodes is coarse. After measuring the overall network energy consumption, the optimal Cluster Heads (CH's) are evaluated on the basis of network size. The length of space from CH to node is evaluated and the membership weight is considered for the objective function. We propose an approach for making numerous node clusters using an improved K-means clustering algorithm called Optimal K-means (OK-mean).

A single hop communication mode is employed for intra-cluster communication whereas a multi-hop communication mode is used by the inter-cluster communication. The performance is evaluated using Ns-2 simulator. The outputs of these simulations show that the proposed algorithm achieves uniform distribution in spatial domain of CH.

M. Lavanya
IV-CSE

Extending Wireless Rechargeable Sensor Network Life without Full Knowledge

When extending the life of Wireless Rechargeable Sensor Networks (WRSN), one challenge is charging networks as they grow larger. Overcoming this limitation will render a WRSN more practical and highly adaptable to growth in the real world. Most charging algorithms require a priori full knowledge of sensor nodes' power levels in order to determine the nodes that require charging. In this work,

we present a probabilistic algorithm that extends the life of scalable WRSN without a priori power knowledge and without full network exploration. We develop a probability bound on the power level of the sensor nodes and utilize this bound to make decisions while exploring a WRSN.

We verify the algorithm by simulating a wireless power transfer unmanned aerial vehicle, and charging a WRSN to extend its life. Our results show that, without knowledge, our proposed algorithm extends the life of a WRSN on average 90% of what an optimal full knowledge algorithm can achieve.

A. Yamini divya
IV-CSE

An IoT based SMART patient health monitoring system

Smart and connected health care is of specific significance in the spectrum of applications enabled the Internet of Things (IoT). Networked sensors, either embedded inside our living system or worn on the body, enable to gather rich information regarding our physical and mental health.

In specific, the accessibility of information at previously unimagined scales and spatial longitudes combined with the new generation of smart processing algorithms can expedite an advancement in the medical field, from the current post-facto diagnosis and treatment of reactive framework, to an early-stage proactive paradigm for disease prognosis combined with prevention and cure as well as overall administration of well-being rather than ailment. It remotely monitors the physiological parameters of the patient and diagnoses the illnesses swiftly.

M. Madhavi
IV-CSE

Design and Implementation of an IoT-Based Smart Home Security System

Recent advances in smart phones and affordable open-source hardware platforms have enabled the development of low-cost architectures for Internet-of-Things (IoT)-enabled home automation and security systems. These systems usually consist of sensing and actuating layer that is made up of sensors such as passive infrared sensors, also known as motion sensors; temperature sensors; smoke sensors, and web cameras for security surveillance.

Architecture uses an Arduino-compatible Elegoo Mega 2560 microcontroller board along with the Raspberry Pi 2 board for communicating with a web server that implements a RESTful API.

Several programming languages are used in the implementation and further applications of the door sensor are discussed as well as some of its shortcomings such as possible interference from other radio frequency devices.

G.Narendra
IV-CSE

IoT Based Smart City Bus Stops

The advent of smart sensors, single system-on-chip computing devices, Internet of Things(IoT), and cloud computing is facilitating the design and development of smart devices and services. These include smart meters, smart street lightings, smart gas stations, smart parking lots, and smart bus stops. Countries in the Gulf region have hot and humid weather around 6–7 months of the year, which might lead to uncomfortable conditions for public commuters.

The objective of the proposed design was to optimize energy consumption through estimating bus stop occupancy, remotely

monitor air conditioning and lights, automatically report utility breakdowns, and measure the air pollution around the area. In order to accomplish this, bus stops will be equipped with a Wi-Fi Based standalone microcontroller connected to sensors and actuators.

The mobile app encompasses a map interface enabling operators to remotely monitor the conditions of bus stops such as the temperature, humidity, estimated occupancy, and air pollution levels.

Venkata Manikanta
III-CSE

PENCIL ART



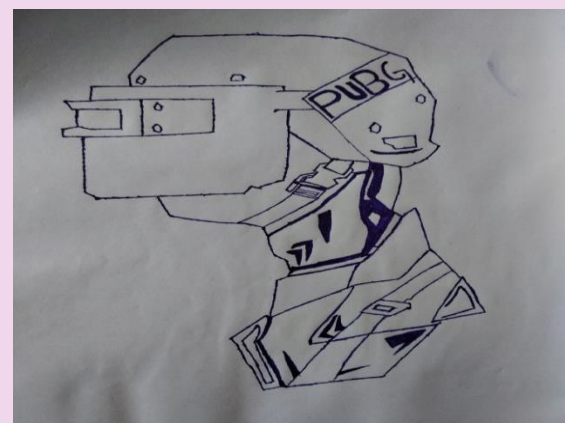
MVS COWDARY MARNEDY



MAHIJA VANKA



TEJA KOTLA



TEJA KOTLA



PRASANNA CHANDANA



KEERTHANA KATAKAM



NALAM SAI SRUJANA



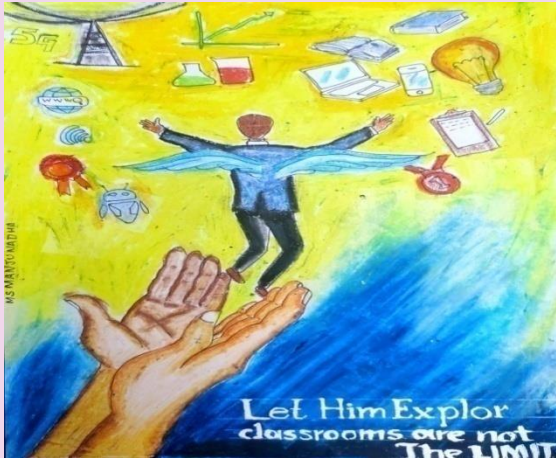
MS MANJUNADHA



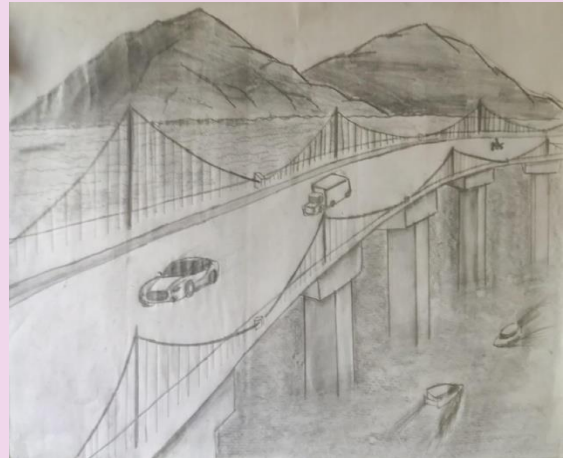
SANDHYA KANCHUPATI



MS MANJUNADHA



MS MANJU NADHA



MS MANJU NADHA



MS MANJU NADHA



MS MANJU NADHA

Quotations

Life is Like a book , some chapters are sad , some happy and some exciting, But if you never turn the page , you never know what the next chapter. -- SANDHYA KANCHUPATI

Delete, Backspace: neither of these events happen in your life, accept the things and move on. SAIRAM PAGADALA

This planet is not just for us, there are many creatures out there that are living with us and for us. -- SAIRAM PAGADALA

If you want to learn anything then it's better to be alone and learn. -- M.BHARGAV VAMSI

Source that spreads light to you always stays in dark .-- SAIRAM PAGADALA

With loneliness you get the freedom to do whatever you love to. -- SAIRAM PAGADALA

Magazine Team

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3. K. MADHU KIRAN, ASST. PROFESSOR

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