VEGA
The Newsletter...

SUCCESS

The Pass Percentage of
2016 admitted batch in
IV B.Tech I Sem is
93.65%
2017 admitted batch in
III B.Tech I Sem is
91.33%
2018 admitted batch in
II B.Tech I Sem is
82.72%

ACADEMIC DIRECTOR'S MESSAGE

I am happy that despite the prevailing pandemic situation the Department of CSE has brought its regular issue of the newsletter by chronicling the activities taken up by the Department through online mode. Stay Safe. With best wishes!

-Prof. A. Sesha Rao

PRINCIPAL'S MESSAGE

It is heartening to note that the faculty and students of CSE are busy with FDPs, Online Courses and Research Publications during the times of COVID.This newsletter justly reflects those resilient attitudes of the technocrats. Wishing them success.

- Dr.J. Sudhakar

HEAD OF THE DEPARTMENT MESSAGE

The Department of CSE has consistently maintained an exemplary academic record. Since the COVID -19 pandemic has disrupted the normal lifestyle of people across the globe, faculty & students from Dept. of CSE continued teaching and learning via virtual platforms. I hope that we will continue to deliver our best to achieve good academic results & placement record.

- Dr. K. Vijaya Kumar

VISION

To evolve into a centre of excellence and to empower women in emerging areas of Computer Science and Engineering with human values

MISSION

M1: To train students to analyze, design, develop and test software applications
M2: To impart technical expertise in sustaining the needs of the IT industry
M3: To foster research activities and entrepreneurial skills in emerging technologies
M4: To inculcate lifelong learning skills in line with technological advancement and social consciousness.

Program Educational Objectives(PEOs)

After successful completion of the program, the Graduates will be able to

PEO1: Lead the diverse range of careers in IT sectors and initiate entrepreneurship in Software development.
PEO2: Excel in higher studies and research in emerging areas of Computer Science Engineering.
PEO3: Possess continuous learning by adapting to technological trends to help society with ethical values.

Placement news from July to September 2020

3 Students Capgemini	**10** Students TATA TATA CONSULTANCY SERVICES	**1** Student BYJU'S	**3** Students Mindtree Welcome to possible
Package: 3.8 lpa	Package: 3.36 lpa	Package: 6 lpa	Package: 4 lpa

Department Splash

Book Chapter Publication

➢ Dr.P. Vijaya Bharati, Assoc. Prof. published a Chapter on **A Cognitive Perception on Content Based Image Retrieval using Advanced Soft Computing Paradigm in Advanced Machine Vision Paradigms for Medical Image Analysis (Elsevier), Chapter 6/ 1st edition, ISBN 9780128192955, 3rd August 2020.**

Paper publications by Faculty

➢ Dr.P.Vijaya Bharati, Assoc. Prof. published a paper on **An approach for securing the data storage in Cloud using combined predicate based encryption** in *International Journal of Advanced Science and Technology* of Volume 29 Issue 8,July 2020.

➢ Mr.V.Sita Rama Prasad, Asst. Prof. published a paper on **Data Analysis and Prediction of COVID-19 Using Machine Learning Models** in *International Journal of Advanced Science and Technology* of Volume 29,Issue 7, July 2020.

➢ Mrs. G.Sandhya, Asst. Prof. & Mrs.Shaik Rahimunnisa, Asst. Prof. published a paper on **Detect and Prevent the Credit Card Fraud Transaction using Face Recognition and Gray-Level Co-occurrence Matrices Algorithm** in *Journal of Critical Reviews* of Volume 7,Issue 18,July 2020.

➢ Mr.A.Maheswararao, Asst. Prof. published a paper on **Detection of Agro based products quality using Convolutional neural networks** in *Journal of Critical Reviews* of Volume 7,Issue 10,July 2020.

➢ Mrs.M.Mamathalaxmi,Asst.Prof.,Mrs.G.PavaniLatha,Asst.Prof.,Mr.R.Ravi,Asst.Prof.&Mrs.N.SowjanyaKumari,Asst.Prof. published a paper on **MGLOEC and MGLIP Steganography Techniques for Hiding Message in Gray Image** in *Journal of Critical Reviews* of Volume 7, August 2020.

➢ Mrs. M. Mamatha laxmi, Asst. Prof.,Mr.I.Raju, Asst. Prof., Mrs.G.Pavani Latha, Asst. Prof., & Dr.K.Vijaya Kumar,Prof. & Head published a paper on **Analysis of student academic performance leading technology using Classification Algorithms** in *Journal of Critical Reviews* of Volume 7 Issue 19,August 2020.

➢ Ms. B. Haritha Lakshmi, Asst.Prof. & Mrs. J. HimaBindu, Asst.Prof. published a paper on *Performance Evalution of Traffic and Energy Aware Routing Protocol in Wireless Sensor Networks* in *J*ournal of Critical Reviews of Volume 7,Issue 19, July 2020.

Workshops participated by Faculty

➢ Mr.D.Rajendra Dev, Asst. Prof. participated in workshop on **Deep learning** organized by **Bits Pilani**, **Hyderabad** from 2**2/8/2020 to 26/8/2020.**

➢ Mrs.P.Akhila, Asst. Prof. & Ms.M.Pallavi, Asst. Prof. participated in One week National workshop on **AI & ML** organized by **Chalapathi Institute of Engineering and Technology from 13/7/2020 to 18/7/2020.**

➢ Ms.M.Pallavi, Asst. Prof., & Mrs.P.Akhila, Asst. Prof. participated in workshop on Recent trends in **Data Analytics and Machine Learning** organized by **Rayalaseema University, Kurnool, A.P** from **4/8/2020 to 5/8/2020.**

FDPs participated by Faculty

➢ Mrs.M.Mamatha laxmi,Asst.Prof. participated in FDP on **Emerging Technologies in Education, Innovation & Research** organized by **GIET University, Gunupur** from **20/7/2020 to 25/7/2020 & OBM752-Hospital Management** organized by **St. Joseph's Group of Institutions in association with CSI, Kancheepuram** from **27/7/2020 to 3/8/2020**.

➢ Mrs.J.Hima Bindu,Asst.Prof. Participated in FDP on **Evolution of IoT and its real time applications** organized by **Malla reddy Institute of Technology and Science** from **13/7/2020 to 17/7/2020.**

➢ Mrs.P.Akhila, As   st. Prof. & Ms.M.Pallavi, Asst. Prof. participated in **Machine Learning and its applications** organized by **Aditya Institute of technology and management** from **4/7/2020 to 8/7/2020** & **Data Science and its applications in STEM** organized by **AU and JNTUK-UCEV in association with APSCHE** from **7/9/2020 to 21/9/2020.**

➢ Mr.A.Maheswararao,Asst.Prof. participated in FDP on **Computer Network Simulation using NS2** organized by **Mahatma Gandhi Institute of Engineering** from **10/8/2020 to 14/8/2020 .**

➢ Mr.I.Raju,Asst.Prof. Participated in FDP on I*oT using Raspberry Pi* organized by **Poornima Institute of Engineering &technology, Chandigarh from 07/07/2020 to 10/07/2020.**

Online Courses by Faculty

- Dr P.Vijaya Bharati,Assoc.Prof. is participating in online course on **Introduction to Internet of Things** organized by **NPTEL, IIT Kharagpur from Sep-2020 to Dec-2020.**

- Mrs.B.Haritha Lakshmi, Asst.Prof. completed online course on **Python 101 for Data Science** organized by Cognitive classes **IBM on 23/07/2020.**

- Mr.A.Maheswararao, Asst.Prof. completed online course on **Remote Sensing Applications in Agriculture Water Management** organized by ISRO from 03/08/2020 to 07/08/2020.

STTPs participated by Faculty

- Mr.A.Maheswararao,Asst.Prof. participated in STTP on **Big Data Analytics** organized by Saranathan College of Engi n e e r - ing from 3/8/2020 to 8/8/2020.

- Mrs.M.Mamatha laxmi, Asst.Prof. participated in **Optimization Techniques through Machine Learning for IoT** organized by Malla Reddy Engineering College for Women in association with AICTE from 27/7/2020 to 1/8/2020.

- Mr.A.Maheswararao Asst.Prof. participated in STTP on **Recent advances in Artificial Intelligence** organized by NIT, Uttarakhand & SLIET Longowal in association with TEQIP from 27/7/2020 to 31/7/2020.

Students Splash

Certification Courses by Students

- E.Soujanya(19NM1A0539) received **Merit Certificate** in Programming in **C Language course** organized by Aqura Infotech from 11/05/2020 to 22/09/2020.

- Chinta Meghana(17NM1A05H8) completed **NPTEL** Certification course on **Introduction to Machine Learning & Practical Machine Learning with Tensorflow** from July-2020 to September-2020 & August-2020 to October-2020.

- Kandregula Meghana(17NM1A0575),Chinta Meghana(17NM1A05H8),Senagana Harika Damayanthi (18NM1A05E4) is participating in **NPTEL** Certification course on **Programming, Data Structures And Algorithms Using Python** from Septem ber-2020-November-2020.

- Sunkari Dhana Lakhsmi(18NM1A05E9) is participating in **NPTEL** Certification course on **Programming in Java** from September-2020 to December-2020.

- Korupolu Sruthi(19NM1A0580) is participating in **NPTEL** Certification course on **Programming in C** from September-2020 to December-2020.

- Sai Kavya Sree Matcha(18NM1A05D3) is participating in **NPTEL** Certification course on **Big Data Computing** from September-2020 to November-2020.

- Supriya Boyidi(17NM1A0526) completed **AWS course on Introduction to Amazon Elastic Compute Cloud(EC2)** on 17/09/2020.

- Sirisha(17NM1A0519), Supriya Boyidi(17NM1A0526), Dadi Sowmya(17NM1A0535), G Nagamani(17NM1A0543) completed course on **Introduction to Serverless development on 17/09/2020.**

- Dadi Sowmya(17NM1A0535),G Nagamani(17NM1A0543) completed **Amazon DynamoDB for Serverless Architectures course on 24/09/2020.**

- RayapuReddy Anusha(17NM1A05D8) completed course on **Introduction to Cyber Security** organized by **CISCO on 13/07/2020.**

- Sanaboyina Sri varshani(17NM1A05E4) completed course on **Introduction to Cyber Security** organized by **CISCO on 21/07/2020.**

- Singhampalli Ramya(17NM1A05F2),TanariJnana Narayana Surya Kumari(17NM1A05G4) completed course on **Introduction to Cyber Security organized by CISCO on 22/07/2020.**

- Sai Rakshitha Pulagala(17NM1A05E3) completed course on **Introduction to IOT organized by CISCO on 30/07/2020.**

- TanariJnana Narayana Surya Kumari(17NM1A05G4) completed course on **Introduction to Cybersecurity** organized by **CISCO** on 17/07/2020.

Internships by Students

• CH.Nandini(18NM1A0523) participated in **Internship on Predicting Life Expectancy Using Ml & Machine Learning organized by Smart Bridge from** 06/06/2020 **to 07/06/2020.**

• T.Poojitha(17NM1A05G5), S.Haritha (17NM1A05G0) participated in **Internship on IOT organized by Smart Bridge** from 01/07/2020 to 07/07/2020.

• Ratna Shivani(17NM1A0597) participated in **Internship on Machine Learning With Python** organized by **Merit** from 01/07/2020 to 30/07/2020.

• L.Sruthi(17NM1A0594) participated in **Internship on Rotational Internship Program & Machine Learning organized by Spark Foundation** from September-2020 to October-2020 & from 29/05/2020 to 13/07/2020.

Code Chef Campus Chapter: Collaborations

The Dept. of CSE in association with Code Chef organized a virtual coding competition Debugging Fiesta on 10/07/2020.

Students Publications

• M. Samyuktha, T. Kusuma Sarika, N.Sriranjini, Y.Harika published a paper on **A Secure Approach for Communication in Mobile Adhoc Networks** in *Advanced Science Letters* of Volume:26,1936-6612, May 2020 under the guidance of Ms. B. Haritha Lakshmi, Asst. Prof.

• A.Soundarya, K.Bhavana, D.Yamuna, Ahmed Unnisa published a paper on **Crack Detection On Concrete Surfaces Using Image Processing** in *International Journal Of Creative Research Thoughts* of Volume:8,2320-2882, May 2020 under the guidance of Ms. B. Haritha Lakshmi, Asst. Prof.

• Sai Sowmya , Divya Sri, Jyothi, Meghana published a paper on **Machine Learning Approach For Forecasting Crop Yield Based On Climatic Parameters** in *A Journal Of Composition Theory* of Volume:8, issue 5,May 2020 under the guidance of Mrs. G. Pavani Latha, Asst. Prof.

• U.Indhira , G.Kusuma , K.Hima Bindu , Ch.Sai Rakshitha published a paper on **Smart rendering news article reader in International** *Journal of Creative Research Thoughts* of Volume 9,Issue 5,May 2020 under the guidance of Mr R.Ravi, Asst. Prof.

• T.Jaya, R. Sravani Sandhya, M.Pravallika, S.Snigtha published a paper on **Sentiment Analysis on GST Using Polarity Classification** in *International Research Journal of Engineering And Technology* of Volume 7,May 2020 under the guidance of Ms Y.Vineela Sravya, Asst. Prof.
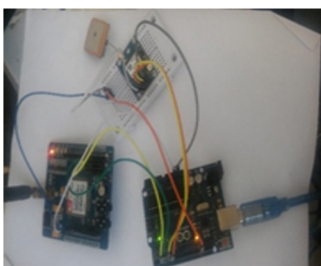
Student Achievments

• G. Prashipta(16NM1A05E8) entered in **Andhra Book of Records & Asia book of records in coin collection on 19/07/2020 & 02/08/2020.**

• G.Krishnaveni(19NM1A0555) won **Merit Certificate as Mynep Ambassador by MyNep on 24/09/2020.**

Samskriti Club

• As a part of Samskriti Club, the Dept. of CSE organized **A Ten Days Virtual YOGA CHALLENGE Event** from **6/07/2020 to 16/07/2020 & Posted Immunity Recipes on 11/07/2020.**

IoT Projects by Students

Women Safety Buzzer System   Smart Dustbin   Real-Time Mask Recognition