NEWS LETTER

Department of Computer Science & Engineering

TECH TIMES

A Half- Yearly Newsletter

Jan 2020

"The computer was born to solve problems that did not exist before."
— Bill Gates

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Contents

Department of Computer Science & Engineering

The Department of Computer Science and Engineering was formed in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 120 from 2007 onwards. The department has also started M.Tech program with an initial intake of18 in the year 2006, and an increase in the intake to 36 in the year 2011. The department is accredited by NBA in the year 2007 for a period of 3 years and was reaccredited in the year 2012 for a period of 2 years. In 2016 department was accredited for a period of 3 years.

The department has 32 qualified teaching staff with 5 PhDs and 27 M.Techs. Our faculty members aim at delivering top class education blending their rich research experience with class room teaching. The entire faculty is involved in research activities and has published/presented papers in national and international journals and conferences.

The department has ACM student chapter and CSI student chapter. The department offers various certification training programs to students like APSSDC Mobile App Development Program to make the students well prepared to face the industry. The department has also established Intel FICE Lab to encourage students with new technologies.

Guest Lectures / Workshops / Co-curricular events organized by Department

1. The Department of CSE has organized **One day Guest Lecture on "Data Quality Control and Analytics"** in association with **ACM on 01-07-2019 for III CSE students** at ground floor seminar hall. The resource person for this Guest Lecture is Mr. P. Rajesh, Vice-President, MUFG, Data Governance and Quality Analyst, CDO Enterprise Data Governance, CA, USA. Total number of participants attended to this event is 116.

2. The Department of CSE has organized **One week Workshop on "Microsoft Certification Program on Python"** from   8-7-2019 to 12-7-2019, 19-7-2019 at CMS Excellence Center. The resource person for this workshop is Nagakumar Kondisetti, Managing Director, Devspark IT Solutions, and Hyderabad for III CSE Students. The no.of participants are 49.

3. The Department of CSE has organized **Three day Workshop on" Python"** in association with APSSDC from 18-07-2019 to 20-07-2019 for II CSE Students at PL Lab. The number of participants to this workshop is 70.

4. The Department of CSE has organized a **Three day Workshop on "Python"** Phase-I in association with APSSDC from 05-08-2019 to 07-08-2019 for III Year CSE students. The number of participants to this workshop is 114.

5. The Department of CSE organized a Guest Lecture in association with CSI on **" DevOps Software Development "** dated 26-08-2019 for III B.Tech. Students by Mr. Ch.Dinesh Reddy, Senior Software Engineer at Santander Consumer Technology Services, Germany. The number of participants to this workshop is 120.

6. The Department of CSE has organized a **Three day Workshop on "Python"** Phase-II in association with APSSDC from 29-08-2019 to 31-08-2019 for III Year CSE students. The number of participants to this workshop is 64.

7. The Department of CSE has organized a **Three day Workshop on "Python"** Phase-II in association with APSSDC from 03-09-2019 to 05-09-2019 for II Year CSE students. The number of participants to this workshop is 60. The resource persons are A. Ambika and P. Ruth, from APSSDC, Hyderabad.

8. On the eve of Engineers' day celebrations-2019, Department of Computer Science & Engineering has conducted the following events on 16-09-2019 for II&III CSE students to assess the technical skills under ISTE Student Chapter, PVPSIT.

EVENT: Technical Quiz

The event Technical Quiz is organized on 16-09-2019.

The no. of students participated: 48 (16 Teams)

Faculty Coordinators: Mrs. T.Sree Lakshmi, Asst. Professor,Dept of CSE

Mrs. Y. Surekha Asst. Professor, Dept of CSE

Mrs. M.Saiaja, Asst. Professor, Dept of CSE

EVENT: Technical Paper Presentation

The event Technical Paper Presentation is organized on 16-09-2019.

The no. of students participated: 10 Teams

Faculty Coordinators: Dr. S. Madhavi Professor

Mrs. G.Lalita Kumari Sr. Asst. Professor

Mrs. A. Madhuri, Asst, Professor

EVENT: Elocution

The event Elocution is organized on 16-09-2019.

The no. of students participated: 10 members

Faculty Coordinators: Dr. K.Koteswara Rao. Assoc. Professor

Mrs. D.Sree Lakshmi, Asst. Professor.

9. The Department of CSE has organized 2-week Faculty Development Program on **"Machine Learning in Engineering Applications & Trends using Python & Tensor Flow"** from 18th ~30th November 2019 which was sponsored by AICTE. A total of 59 participants from various colleges have participated in the FDP.

10. 6-day Training Program on **"Google Android Developer Fundamentals"** includes Phase I and Phase II sessions for II B.Tech., CSE S1 Students in Association with APSSDC at PVPSIT held from 09th~14th December, 2019. 49 Students we're trained and certified in this program.

11. 6-day Training Program on **"Google Android Developer Fundamentals"** includes Phase I and Phase II sessions for II B.Tech., CSE S2 Students in Association with APSSDC at PVPSIT held from 16th ~21st December, 2019. 59 Students were trained and certified in this program.

Faculty Achievements

1. Dr. S. Madhavi has applied a project "A System for Secured Long Distance Communication in Wireless Quantum Sensor Networks" to DST nano for 50 Lakhs.

2. Dr K Koteswara Rao was the Advisory committee member for International Conference on Advancing Knowledge from Multidisciplinary Perspectives in Engineering & Technology (ICAKMPET-19).26th- 27th July, 2019 in Vybrant Hotel, Vijayawada. ICAKMPET-19 is being organized by Institute for Engineering Research and Publication (IFERP) (Scopus Indexing Conference).

3. Mr.A. Vanamala Kumar has received "Active SPOC" Award for Swayam- NPTEL Local Chapter (Jan-April-2019)

4. Mr.V. Rajesh registered Ph.D in NIT Andhra Pradesh.

5. Ms. B. Bhagya Lakshmi, Ms. J. Sarvani, Ms. M. Krishna Veni, Ms.P. Anusha, Ms. M. Ganga Sri, Mr.D. Chandra Sekhar,Mr. N. Chaitanya Krishna,Mr. V. V. Suresh, Mr. P. Sada Siva Rao of CSE department have certified the spoken tutorial on **LINUX** organized by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt. of India on 27-8-2019.

6. Ms.A.Ramana Lakshmi, Ms.V. Siva Parvathi and Ms.M. Sailaja has published a patent "System And Method For Monitoring And Conserving Energy In Movable And Immovable Objects" with the application no: 201941036573 on 20-9-2019.

7. Dr A Sudhir Babu has received Sarvotham Acharya Puraskar, A National award for Impact Creators in Engineering Education in commemoration of 150th birth anniversary celebrations of mahatma Gandhi on 2.10.2019.

8. Dr.K Koteswara Rao supervised two student teams were submitted projects for AICTE Vishwakarma Awards 2019, one project was selected.

9. Mrs.J Ramadevi submitted her PhD Thesis on "A New Generic Interpretation of Enhanced Subspace Clustering in High Dimensional Data".

10. Dr. K. Koteswara Rao applied the Following under ICPS Scheme of DST "2 week FDP on Recent advances on Block chain Technology and IOT" bearing the File number DST/ICPS/1832 amount applied: Rs. 9,06,250.

11. Dr. K. Koteswara Rao applied the Following under ICPS Scheme of DST 3 Day workshop on ML and DL applications in Data Science" bearing the File number DST/ICPS/1837 amount applied: Rs. 6,21,500.

12. Dr. K. Koteswara Rao applied the following under ICPS Scheme of DST 3 day national conference"on NCLCDAI2020" bearing the File number DST/ICPS/1838 amount applied: Rs. 6,35,000.

13. Dr. K. Koteswara Rao enrolled as Design Mentor and Evaluator for AICTE Smart India Hackathon 2020.

14. Dr. B. Janakiramaiah acted as the resource person for the AICTE sponsored Two Week FDP on "Machine Learning in Engineering Applications and Trends Using Python and Tensor Flow" from 18.11.2019 to 30.11.2019 at Prasad V Potluri Siddhartha institute of technology, Kanuru, Vijayawada.

15. Ms. V. Siva Parvathi has published a book entitled "Machine Learning" in November 2019.

16. Dr. A. Sudhir Babu got an AICTE Training Program sanctioned from AICTE under Prerana (Promoting Higher Education among SC/S T students) Training Program for SC/ST Students in computing innovations and selecting higher education in reputed Institutions AICTE (Training Program).

17. Dr. A. Sudhir Babu got an AICTE STTP Program sanctioned from AICTE on "Machine Learning and IOT Technologies for Environmental Issues".

18. Mr.A.Vanamala Kumar has published a book entitled "Probability and Statistics" with ISBN: 978-81-943281-0-0.

19. Mr. A.Vanamala Kumar has received an award from NPTEL-IIT Madras for his Instrumental role as Single Point of Contact (SPOC) for the Swayam-NPTEL Local Chapter, PVPSIT for the period of July-Dec, 2019 NPTEL online Courses.

20. 11 faculty members have certified various courses through NPTEL during the period July-December 2019.

Faculty Publications/ Conferences

1. Dr.K.Koteswararao, Ms.J.Rama Devi and Dr.A.Sudhir Babu published a paper entitled " Liquescent Level Checking and Scheming System By Means of Iot " in International Journal of Innovative Technology and Exploring Engineering, Vol-8, Issue-9, July-2019 with ISSN: 2278-3878

2. Dr.K.Koteswararao, Mr.P.Anil Kumar and Mr.Ch.Chandra Mohan published a paper entitled "Software Test Case Generation and it's curtail using Genetic Algorithm" in International Journal of Innovative Technology and Exploring Engineering, Vol-8, Issue-9, July-2019 with ISSN: 2278-3878

3. Ms.A.Ramana Lakshmi published a paper entitled "A Goal-Based Exploratory Search Engine Implementation", in International Journal of Recent Technology and Engineering, Vol-8, Issue-2, July-2019 with ISSN: 2278-3878

4. Ms. J.Rama Devi s published a paper entitled " An Efficient Density Parameter-Light In Enhanced Subspace Clustering in High Dimensional Data" in International Journal of Advanced Science and Technology (Scopus Indexed Journal),Vol-128, Issue-7, July- 2019 with ISSN: 2207-6360.

5. Ms.B.Lakshmi Ramani published a paper entitled "Deep Learning and Fuzzy Rule-Based Hybrid Fusion Model for Data Classification" in International Journal of Recent Technology and Engineering , Vol-8, Issue-2, July-2019 with ISSN: 2278-3878

6. Ms.D.Swapna, Ms.A.Madhuri , Ms.T.Sri Lakshmi and Mr.S.Phani Praveen published a paper entitled " An Efficient Distributive Framework for Preserving Data Privacy Through Block Chain" in International Journal of Recent Technology and Engineering , Vol-8, Issue-2, July-2019 with ISSN: 2278-3878

7. Ms. D. Sree Lakshmi and Ms. Ch .Ratna Jyothi has presented a paper entitled "Recognition of Partially Occluded Face using Mean Weighted Local Binary Pattern Feature and Adaptive Sparse Classifier" in International Conference on Computing Communication and Electrical Technologies, organized by G. Narayananamma Institute of Technology and Science, Hyderabad from 29-8-2019 to 30-8-2019.

8. Mr.D.Lokesh Sai Kumar and Mr.B.Vishnu Vardhan has published a paper entitled " Car Parking System using RFID" in Journal of Emerging Technologies and Innovative Research (JETIR), Vol – 6 and Issue -6.

9. Dr. Ch. Ratna Jyothi has published a paper entitled "Integrated Minimum Cost Sub-Block Matching Distance based Face Recognition using Internet of Things" in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278–3075 (Online), Volume-8 Issue-11, September 2019, Page No. 117-122.

10. Ms. B. Lakshmi Ramani has published a paper entitled "Extreme Learning Model Based Phishing Classifier", in International Journal of Recent Technology and Engineering, in Vol-8, Issue-4 Dec-2019 with ISSN: 2277-3878.

11. Mr.N.V.Ramana Gupta has published a paper entitled " Problematic Observations using Firefly Algorithm and its Variants ", in International Journal of Innovative Technology and Exploring Engineering in Vol-9, Issue-2 Dec-2010 with ISSN: 2277-3075

12. Ms. G. Lalitha Kumari, Ms. Y. Surkeha and Mr. A. Vanamala Kumar has presented a paper entitled " User Interactive Mobile Augmented Reality of PVPSIT Campus" in the International Conference On Recent Challenges & Explorations in Engineering Technology & Science, held on 21.12.2019 at Rama Chandra College of Engineering, Eluru.

13. Mrs. A. Ramana Lakshmi has presented a paper entitled "Analysis of Investigations on The Classification and Segmentation of Brain Images in Computer Technology" in the International Conference On Recent Challenges & Explorations in Engineering Technology & Science, held on 21.12.2019 at Rama Chandra College of Engineering, Eluru.

Workshops/Faculty Development Programs attended by the faculty

1. Mr. D.Lokesh Sai Kumar has attended Train the trainer Three day Workshop on "INFYTQ based FP" at Sri Indu college of Engineering and Technology, Ibrahimpatnam from 15th –17th July 2019.

2. Mr. A.Vanamala Kumar has attended One day Workshop on "NPTEL "IIT Madras at IC & SR, IITM from 26th July 2019.

3. Mr. P. Srinivasa Rao, Mrs. P. Anusha, Mrs. M. Krishnaveni and Mrs. M. Ganga Sri has attended two day workshop on "Cloud Computing" from 29-07-2019 to 30-07-2019 organized by Department of Information Technology, PVPSIT in Association with APSSDC.

4. Mr B.N.Swamy attended one week FDP on "PALOALTO-CYBER SECURITY INFRASTRUCTURE CONFIGURATION" in collaboration with paloalto networks & ICT Academy under AICTE MARGADARSHAN from 12-08-2019 To 17-08-2019 at Velagapudi Ramakrishna Siddhartha Engineering college, Vijayawada.

5. Mr D. Chandra Sekhar, Mr V. V Suresh, Mr N. Chaitanya Krishna, Mrs M. Krishnaveni, Ms J .Sarvani, Mrs P. Anusha, Mrs M. Ganga Sri and Mrs B. Bhagya Lakshmi has attended 2 Week Training program(FDP) on "LINUX" in association with IIT-Bombay from 12-08-2019 To 24-08-2019 at Prasad V Potluri Siddhartha institute of technology, Vijayawada.

6. Mr A.Vanamala Kumar and Mr S.Krishna Kishore attended one week Certification program on " ADOBE PHOTOSHOP" from 19-08-2019 To 26-08-2019 Prasad V Potluri Siddhartha institute of technology, Vijayawada.

7. Ms.D. Swapna, Mr.S. Phani Praveen attended a Two Day FTP on "BLOCK CHAIN" organized by Dept. of IT in association with TCS, Hyderabad under AICTE MARGDARSHAN at VRSEC, Vijayawada.

8. Dr.A Jaya Lakshmi and Dr B Janakiramaiah participated in 42th Edition of BRIDGE2019-Vijayawada(The Largest Industry –Institution Event of Asia)organized by ICT Academy held on 18th October 2019.

9. Dr.A Jaya Lakshmi Acted as an External Examiner to conduct the PhD Viva Voice Examination at Bharathiar University, Coimbatore on 10th Oct 2019

10. Mrs. A.Divya attended ten days NPTEL FDP on "Introduction to Internet of Things" at IIT Madras from 13.10.2019 to 23.10.2019.

11. Dr S.Madhavi attended one week FDP on "CYBER SECURITY" ATAL Academy from 21-10-2019 to 25-10-2019 organized by Government college of Engineering, Srirangam, Trichy.

12. Mrs A.Madhuri and Mrs T.Sri Lakshmi attended AICTE sponsored Two Week FDP on "Technology Adoption and Implementation towards a Smart Society" from 4-11-2019 to 16-11-2019 at Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada.

13. Dr S.Madhavi has attended A Two Day National Seminar on "Space Technologies & Applications" from 6.11.2019 to 7.11.2019 at Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada.

14. Dr S.Madhavi has attended One Day Workshop on "Quality Enhancement, Assessment and Accreditation of Engineering colleges" from 11.11.2019 organized by Andhra Pradesh State Council of Higher Education in association with JNTUK.

15. Mr P.Srinivasa Rao, Mrs. P. Anusha, Mr N.Chaitanya Krishna, Mr V. V Suresh and Mr S.Krishna Kishore attended A Two Day Workshop on "LABVIEW & DAQ" Organized by IQAC &department of ECE in association with VI Solutions, Bengaluru from 15.11.2019 to 16.11.2019

16. Dr S.Madhavi, Mrs A.Ramana Lakshmi, Mr B.N.Swamy, Mrs J.Rama Devi, Mrs G.Lalitha Kumari, Mrs V.Siva Parvathi, Mrs Y.Surekha, Mrs M.Sailaja, Mrs D.Sree Lakshmi, Mrs A.Divya, Mrs B.Lakshmi Ramani, Mr P.Anil Kumar, Mr Ch.Chandra Mohan, Mr A.Vanamala Kumar, Mr M.RamGopal, Mr S.Krishna Kishore and Mr K.Vijaya Kumar attended AICTE sponsored Two Week FDP on "Machine Learning in Engineering Applications and Trends Using Python and Tensor Flow" from 18.11.2019 to 30.11.2019 at Prasad V Potluri Siddhartha institute of Technology,kanuru,Vijayawada .

17. Mr. N.Venkata Ramana Gupta has attended one-Week Workshop on "Simulation of underwater Communications (SUC`19),Under the aegis of Wireless Information Networking Group (WiNG) at NITK Surathkal, Mangalore, India from 09.12.2019 To 13.12.2019.

18. Mr. B.Vishnu Vardhan and Mr. D.Lokesh Sai Kumar attended One week FDP on "INTERNET OF THINGS" at IIIT Nagpur from 16.12.2019 to 20.12.2019.

19. Mrs. D.Sree Lakshmi has attended one week NPTEL FDP on "Python for Data Science" in association with AICTE at IIT Madras from 25.08.2019 to 08.10.2019.

20. Mrs. V.Siva Parvathi and Mrs. M.Sailaja participated in International Conference on "Recent Challenges & Explorations in Engineering, Technology & Science - ICRCEETS-2K19" at Ramachandra College of Engineering, Eluru on 21.12.2019.

21. Mr.D. Lokesh Sai Kumar attended ten days FDP on "Problem Solving through Programming in C" at IIT Madras.

Student Achievements

Placements

1. Ms.R. Harika of IV CSE was selected for **Value Labs**.
2. Mr.Karthik and Mr. Narendra of IV CSE were selected for **EPAM Systems**.
3. 3 students IV CSE got selected for **MAQ Software** with a package of 6L.These students are in internship with a monthly scholarship of Rs. 36,000/- each.
4. 10 students of IV CSE got selected for **CTS** with a package of 4L.
5. 1 student of IV CSE got selected for **Anblicks Solutions Pvt. Ltd.** with a package of 3.6L.
6. 1 student of IV CSE got selected for **Efftronics Systems Pvt. Ltd**. with a package of 3.98L.
7. 1 student of IV CSE got selected for **ZOHO** with a package of 4.6L.

S. No.	Regd. No.	Name of the Student	Name of the Company	Package
1	16501A0518	CHAKKA AKSHAY	MAQ Software	6.00 L/A
2	16501A0549	KALAVAKOLANU JAYA LAKSHMI KRISHNA SARVANI	MAQ Software	6.00 L/A
3	16501A05B9	YALAVARTHI NAVYA SREE	MAQ Software	6.00 L/A
4	16501A05B6	VINNAKOTA GNANASIRISHA	Anblicks Ignite	3.60 L/A
5	17505A0511	TAVVA HARI NAGA SAI PAVAN KUMAR	Efftronics	3.98 L/A
6	16501A0523	CHITIRALA RANGA BINDUSRI	CTS	4.00 L/A
7	16501A0529	GADDIPATI MONICA	CTS	4.00 L/A

8	16501A0568	MANDAVA NAGA ABHIGNA	CTS	4.00 L/A
9	16501A0572	MOHAMMAD SOFIA FATHIMA	CTS	4.00 L/A
10	16501A0582	PASUPULATE PAVAN KALYAN	CTS	4.00 L/A
11	16501A0583	PASUPULETI HARI CHANDRA PRASAD	CTS	4.00 L/A
12	16501A05A5	SYED MUNEER BASHA	CTS	4.00 L/A
13	16501A05A9	THOTAKURA KISHAN SAI	CTS	4.00 L/A
14	16501A05B3	VEMPATI SAI NAGA SRI KRISHNA CHAITANYA	CTS	4.00 L/A
15	16501A05B3	YALAVARTHI GOVARDHAN CHOWDARY	CTS	4.00 L/A
16	16501A0566	LEKHANA CHINTAGINJALA	Zoho Corporation Pvt. Ltd.	4.60 L/A

8. Two student teams submitted projects for AICTE Vishwakarma Awards 2019,one project was selected with the title "Heartbeat Classification Using The Recurrent Neural Network Based On The Developed Spider Monkey-Bird Swarm Optimization Algorithm."

   Students are: Ms.P Greeshma(17501A0586) , Ms.N Vindhya(17501A0585), Mr. M.Nitesh(17501A0568) and Mr. M Roshan(17501A0565).

9. Mr.P. Siva Venkata Sai Rohith secured GOLD MEDAL and stood in TOP 5% with a consolidated score of 91% in the course "Programming in JAVA" in NPTEL.

10. Mr.S. Adithya Vardhan Sai Kiran secured SILVER SCORE and stood in TOP 5% with a consolidated score of 80% in the course "Problem Solving through Programming in C" in NPTEL.

11. Ms.G. Roopa Sri, Ms.J. Divya, Ms.B. Meghana,Ms.A.Tonika were selected for FINALE out of 250 teams for "Hackathon And Conclave on AR/VR" which is going to be organized at IIT Bhubaneswar with the idea "World of Thoughts".

12. Ms.E.Sowmya has got I Prize in the event Throw Ball at "State meet 2019 Men Women championship" at Nalanda School, Vijayawada on 21.12.2019 to 22.12.2019.

13. Ms.K.S.V Charitha, Ms.G.sushmitha and Ms.T.Gaytri won II Prize in the event Ragam at DHANUSH'19 organized by Dhanekula Institute of Engineering and Technology conducted on 20.12.2019.

14. 37 students have certified for Microsoft Technology Associata(MTA) for " Introduction to Programming Using Python"

15. 8 students of II CSE have certified the course "Python" through Courseera in association with APSSDC.

16. 72 students of CSE have certified for various courses through NPTEL during the period of July-December 2019.

Internships

1. Mr. G.Durga Pavan Kumar(17501A0536), Mr. I. Ratnakar Babu(17501A0538), Mr.K. Karan Paul(17501A0543) were selected as interns in WOIR Software India Pvt.Ltd., Hyderabad on 22-08-2019 and completed their internship with stipend amount of Rs.5,000 for their excellent performance.

2. 12 students from III BTech were selected as interns by Indian Servers, Vijayawada on 29.10.2019 to implement project on Machine Learning.

S.No	Regd No	Class	Name
1	17501A0510	III B.Tech	B.Navya
2	17501A0563	III B.Tech	M.Karthik Sri Sai
3	17501A0581	III B.Tech	N.SaiAneesh
4	17501A05B2	III B.Tech	T.Rishitha
5	17501A0552	III B.Tech	K.DavidVineel Raj
6	17501A0509	III B.Tech	B.Sravya
7	17501A0535	III B.Tech	G.Tarun Gopal
8	18505A0515	III B.Tech	Y.Lakshmi Narasimha Rao
9	17501A0542	III B.Tech	K.LakshmiPrasanna
10	17501A0555	III B.Tech	K.VivekChaitanya
11	17501A0558	III B.Tech	K.Tejeswini
12	18505A0501	III B.Tech	V.Tharun Kumar

Students' Participation

Student Participation in Technical Events/Awards

1. 37 students of III CSE were certified "Microsoft Certification Programme on Python".

2. 2 NCC Cadets have participated in RALLY from Andhra Loyaola College to St.John's school, Gundala, Vijayawada, as a part of celebration of 20 years of Kargil war on 26-07-2019.

3. 26 Students (III CSE and II CSE) participated/coordinated and acted as volunteers in the following list of NSS events.

    a. Awareness Campaign against the usage of plastic and Plantation on 26-07-2019.

    b. Income Tax day on 24-07-2019.

    c. Autonomous Extension Committee on 21-07-2019.

    d. Passport Mela for two weeks during on 08-07-19 to 19-07-2019.

4. 5 NCC Cadets have participated in the Autonomous Extension Committee on 21-07-2019.

5. 70 students II B.Tech CSE students participated in Python workshop conducted in collaboration with APSSDC, A.P, from 18-07-2019 to 20-07-2019, 9.00 am to 4.00 pm at Application development lab, room: 216, PVPSIT.

6. 49 students III B.Tech CSE students participated in the Microsoft Certification Program on Python – Workshop from 8-7-2019 To 12-7-2019, 19-7-2019 at Application development lab, room: 216, PVPSIT.

7. All III B.Tech students attended in "A Guest Lecture on Data Quality Control and Analytics" on 01-07-2019 at PVPSIT.

8. 41 II year and III year CSE students participated in An Inter-Collegiate Essay Writing contest conducted by Gora Science Centre on 26-07-2019. Topic is "Nowadays Traditions and customs are becoming Superstitious."

9. Ms.K.S.V Charitha and Ms.M. Nikitha has got 3rd prize in ESSAY Writing Competition conducted by Gora Science Centre conducted on 26-7-2019.

10. **93** students of II Year CSE Department have certified the spoken tutorial on" Introduction to Computers " organized by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt. of India on 3-8-2019

11. 46 students of II Year CSE Department have certified the spoken tutorial on "Python 3.4.3" organized by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt. Of India on 17-8-2019.

12. 114 students of III B.Tech has participated in 3-Day Workshop on "Python Programming" from 5-8-2019 to 7-8-2019 organized by Dept. of CSE, PVPSIT.

13. 4 NCC CADETS (Mr.V.Hema Chowdary, Mr.K. Nitish and Mr.N. Naga Sai Akhil of III CSE and Md Areen of II CSE) has attended NCC enrollment in our college conducted by 1(A)EME COY NCC unit Vijayawada on 05-08-2019.

14. Mr.K. Nitish (17501AO554) selected for Local Independence Day Celebrations (State level) and also attended LIDC held at Indira Gandhi Municipal Stadium Vijayawada from 07-08-2019 to 16-08-2019.

15. 54 students of III Year CSE Department have certified the spoken tutorial on "PYTHON 3.4.3" organized by Spoken Tutorial Project, IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt. of India on 20-8-2019.

16. 62 members participated in 3-Day workshop on "Python Programming" from 29-8-2019 to 31-8-2019 organized by Dept. of CSE, PVPSIT.

17. 16 teams of 48 students have participated in Technical Quiz organized by Dept. of CSE on the eve of Engineers Day on 16-9-2019.

18. 10 teams of 19 students have participated in Technical Paper Presentation organized by Dept. of CSE on the eve of Engineers Day on 16-9-2019.

19. 10 students have participated in Technical Paper Presentation organized by Dept. of CSE on the eve of Engineers Day on 16-9-2019.

20. Mr.V.S Raghunath(18501A0505), Mr.G . Sankar Sai(18501A0542) and Mr.K. Phanindra Sai(17501A0546) has won I prize in Technical Quiz at Engineers' day celebrations-2019 organized by Dept. of CSE, PVPSIT.

21. Mr.S. Aditya Varma(18501A05A5), Mr. I.S.A.Rahul(18501A0598) & Mr. M. Jathin Chowdary (16501A0573) has won I prize in Technical Quiz at at Engineers' day celebrations-2019 organised by Dept. of CSE, PVPSIT.

22. Mr.P.S.V.S Rohith(18501A0593), Mr.T. Venkatesh(18501A05A7) and Mr. M.Yashwanth Sai (18501A0578) has won II prize in Technical Quiz at at Engineers' day celebrations-2019 organised by Dept. of CSE, PVPSIT.

23. Ms.M.Padmini(18501A0572), Ms.P.Sravya(18501A0596) has won I prize in PPT at Engineers' day celebrations-2019 organised by Dept. of CSE, PVPSIT.

24. Mr. P.Sai Siddharth(18501A0591) has won II prize in PPT at Engineers' day celebrations-2019 organised by Dept. of CSE, PVPSIT.

25. Ms. A.Tonika Devi (18501A0506), Ms. B. Meghana(18501A0518) has won III prize in PPT at Engineers' day celebrations-2019 organised by Dept. of CSE, PVPSIT.

26. Ms.Keerthi K (18501A0559) has won I prize in Elocution at Engineers' day celebrations-2019 organized by Dept. of CSE, PVPSIT.

27. Ms.K.S.V Charitha(18501A0550) has won II prize in Elocution at Engineers' day celebrations-2019 organized by Dept. of CSE, PVPSIT.

28. Ms.B. Meghana(18501A0518) has won III prize in Elocution at Engineers' day celebrations-2019 organized by Dept. of CSE, PVPSIT.

29. Mr.D. Ratnam III CSE has participated in the event Code Debugging, conducted by Dept. of CSE, organized at Technozion'19 at National Institute of Technology, Warangal in the month of November'19.

30. 9 Students of CSE participated in Inter Institutional Literary competitions on 02.11.2019.

31. 29 students of II CSE participated in various events like PPT, CODE HUNTER at DHANUSH-2K19 organized by Dhanekula Institute of Engineering and technology conducted 20.12.2019.

32. 15 Students II B.Tech CSE participated in various events like PPT, CODING CONTEST and Workshops at VIVA VVIT 2019-20 organized by VVIT, Namburu, on 21.12.2019 and 22.12.2019.

33. Ms.K. Sai Sukeerthi and Ms.G.Bhargavi of II CSE has participated in SRUJANA-2K19 organized by LBRCE, Mylavaram on 21.12.2019.

NCC Events:

34. Ms.V. Hema Chowdary, Mr.K.Nitish participated in the event "World Pollution Prevention day" organized at Andhra Loyala College, Vijayawada on 02.12.2019.

35. Ms.V. Hema Chowdary, Mr.K.Nitish , Ms.Ch. Anitha participated in Rally on "Human Rights Day" at VR Siddhartha Engineering College on 10.12.2019.

36. Ms.Md.Arfeen, Ms.V.HemaChowdary, Mr.K.Nitish, Ms.N.Naga Sai Akhil participated in raising funds on the eve of "ARMED FORCES FLAG DAY" on 11.12.2019 to 12.12.2019.

YOGA:

37. Mr.K. Sri Syam Saran, Ms.Ch. Naga supriya participated in Yoga team selection trials-2019 at JNTUK College of engineering, Kakinada on 06.12.2019 and 07.12.2019.

SPORTS:

38. Ms.E. Sowmya (18501A0532) of CSE participated in the event Throw Ball for C.M.Cup Men-Women champion at West Godavari on 27.11.2019 to 30.11.2019.

39. 6 Students II B.Tech CSE participated in the event Chess at VIVA VVIT 2019-20 organized by VVIT, Namburu, on 21.12.2019 and 22.12.2019.

40. Mr. K.Karan paul, Mr.Ch. Sai HarshaVardhan, Mr.Ch. Adharsh, Mr.K.M.S.Vishnu has participated in Basketball, Volleyball at VIVA VVIT 2019-20 organized by VVIT, Namburu on 21.12.2019 and 22.12.2019.

41. Mr.P.V.R.Sravanth participated in Foot Ball tournament organized at Eenadu cricket cup – 2019 on 06.12.2019.

FUCHSIA OPERATING SYSTEM

-One operating System for every device.

Fuchsia is a new operating system announced by google in 2017's Googlei/o.

It is a free open source project.

Google describes Fuchsia as "a new operating system" designed for "modern phones and modern computers with fast processors, non-trivial amount of RAM with arbitrary peripherals doing open-ended computation.

It can run from embedded devices to computers even on dash infotainment for cars, Traffic lights, Digital Watches etc.

Fuchsia is built on microkernel know as Zircon, which differs with other Google operating system such as Android and Chrome OS which are built on Linux Kernel.

The benefit of Zircon kernel is that it make's run Fuchsia run on every device I.e. From small phones to pc's, refrigerators, traffic lights.

"Pink + Purple = Fuchsia"Pink (Apple's first effort at a object-oriented, microkernel based operating system), and Purple (the original iPhone's codename)

PINK + PURPLE = FUCHSIA

Fuchsia is built upon Flutter Development Kit and the apps in Fuchsia are written using Dart(a programming Language) and Flutter(a Framework) .Fuchsia is written using C, C++ , Dart, Go.Rust. Flutter apps are faster and offers performance at 120 Frames per Second. Android apps can run even on Fuchsia with support of hybrid app support by Flutter.

THE NEED OF FUCHSIA :-

The problem with Android is it was initially developed for Digital Cameras and built upon on Linux a monolithic Kernel, this where the problem comes is Android Fragmentation I.e.

A term being used in the <u>Android</u> development community is Android fragmentation. Fragmentation within Android is when a variety of versions of the Android platform, combined with a mixture of hardware result in the inability for some devices to properly run certain applications and The Chrome OS is not at its best right now with android.

Conclusion

Fuchsia could become a part of Android and/or Chrome OS without actually replacing them.

 Maybe Fuchsia could come into our lives without much of any disruption — and without the vast majority of users even realizing anything had changed. The main advantage of Fuchsia OS is Zircon Kernel.

<div align="right">

B. Yaswanth kumar
18501A05C0, CSE-S2

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Department Activities:

1. **MOU's Signed:**

   a. The Department of CSE has signed an MOU with DEVSPARK IT Solutions, Hyderabad on 1-7-2019.

   b. The Department of CSE has signed an MOU with ANBLICKS Solutions Pvt. LTD, Hyderabad on 13-8-2019.

2. The Department of CSE organized "Coding Skills Enhancement Program" for II, III Year students to improve Programming Development Knowledge from 17th June-2019.

3. **Innovative methods used by Faculty in Teaching & Learning process:**

   a. Dr.A.Jaya Lakshmi implemented Video Lecture for FLAT subject.

   b. Dr.B.Janakiramaiah and Ms.T.Sri Lakshmi implemented the innovative teaching methods Role play, Quiz(Kahoot Online Tool) for Operating Systems subject.

   c. Ms.Y. Surekha implemented Google Class Room for Operating Systems subject.

   d. Ms.G. Lalitha Kumari implemented Google Class Room for OOPS through JAVA subject.

4. **Industry-Institute Interaction:**

   a. An Incubation Centre "PHOENIX Dev Centre" was established by Devspark IT Solutions, Hyderabad in the Department of CSE, PVPSIT.

   b. To develop Real time Applications in the PHOENIX Dev Centre, 15 students of III CSE were selected as interns.

   c. To provide opportunities to various students to increase their practical skills & preparing students for highly sought after positions. Qualified and selected students progress through a two-step program involving an internship and employment relationship.

5. An Incubation Centre was started by ANBLICKS Solutions Pvt. LTD, Hyderabad in the Department of CSE, PVPSIT.

6. Mr. N. V. Ramana Gupta has presented a seminar on "Under Water Communication (UWC)" on 24-12-2019.

GALLERY

Guest Lecture on "Data Quality control and Analytics"
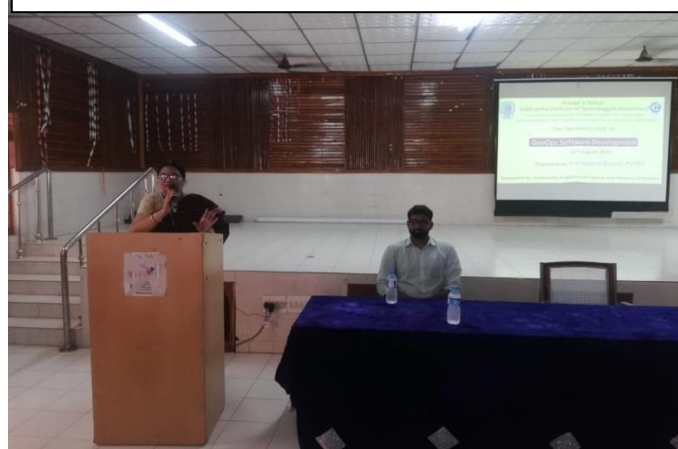

Workshop on "Microsoft Certification Programme on Python"

Three day Workshop on" Python" Phase-I in association with APSSDC for II Year CSE S1 Students

Three day Workshop on" Python" Phase-I in association with APSSDC for II Year CSE S2 Students

Guest Lecture on " DevOps Software Development "in association with CSI

Three day Workshop on "Python" Phase-II in association with APSSDC for III Year CSE students

Three day Workshop on "Python" Phase-II in association with APSSDC for III Year CSE students

I Prize winners in Technical Quiz at Engineers' day celebrations-2019

I Prize winners in Technical Quiz at Engineers' day celebrations-2019

II Prize winners in Technical Quiz at Engineers' day celebrations-2019

I Prize winners in PPT at Engineers' day celebrations-2019

II Prize winner in PPT at Engineers' day celebrations-2019

III Prize winners in PPT at Engineers' day celebrations-2019

I Prize winner in Elocution at Engineers' day celebrations-2019

II Prize winner in Elocution at Engineers' day celebrations-2019

FDP on "Machine Learning in Engineering Applications & Trends using Python & Tensor Flow"

6-day Training Program for II CSE S1 on "Google Android Developer Fundamentals "

6-day Training Program for II CSE S2 on "Google Android Developer Fundamentals "

An MOU with ANBLICKS Solutions Pvt. LTD, Hyderabad

Seminar on "Under Water Communication (UWC)" by Mr.N.V.RamanaGupta