

Volume 4 Issue 1

**Department of
Computer
Science & Engineering**



A Half- Yearly Newsletter

TECH TIMES

January 2017

**PRASAD V. POTLURI SIDDHARTHA
INSTITUTE OF TECHNOLOGY**

NEWS LETTER

EDITORIAL BOARD

1. Dr. M.V. Rama Krishna
Professor & HEAD
2. Dr. S. Madhavi, Professor
3. Dr. A. Sudhir Babu, Professor
4. Mrs. A. Ramana Lakshmi, Assoc. Professor
5. Mrs. M. Sailaja, Asst. Professor
6. Mr. K. Syama Sundara Rao
Asst. Professor
7. Mr. G. Ram Prasad (I450IA054I)
8. Ms. T. Keerthana (I450IA05A7)

Contents

- + Guest Lectures /
Workshops Organized**
- + Faculty Achievements**
- + Faculty Publications**
- + Workshops Attended by
Faculty**
- + Students Achievements**
- + Student Articles**

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 of 18 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. And was reaccredited in 2016 for a period of 3 years.

The department has 36 qualified teaching staff with 4 PhDs and 32 M.Techs. Our faculty members aim at delivering top class education blending their rich research experience with classroom teaching. The entire faculty is involved in research activities and has published/presented 235 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, CISCO: CCNA certification and R-Programming Certification through APSSDC-NASSCOM 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 Orgnaized

1. The Department of CSE has organized One Week Faculty Development Program on “Machine Learning with R” from 27th September 2016 to 01st October 2016.

Coordinator: Dr. A Sudhir Babu, Professor & Mr. P E S N Krishna Prasad, Sr. Asst. Professor



2.The Department of CSE has organized a one day guest lecture on “Hadoop and its operations” on 01st October 2016 by Mr. Ashok Polapragada, Manager, Karvy Analytics, Hyderabad.

Coordinator : Mr. Ram Gopal , Asst.Professor

3. The Department of CSE has organized Two day student training programme on “Core Networking of ISP And Softwares implemented in BSNL” from 06th October 2016 to 7th october 2016.

Coordinator : Dr. A Sudhir Babu, Professor

The Resource persons are:

- Mr. V. S. Nagamalleswara Rao, AGM (EB), BSNL, Vijayawada.
- Mr. P. Raju, SDE, BSNL, Krishna (Dt). Telecom, Vijayawada.
- Mr. D. Srinivasa Rao, JTO, BSNL, Vijayawada.
- Mr. V Yedukondalu, JTO, BSNL ,Vijayawada



4. The Department of CSE has organized a guest Lecture on “ Outcome based Education and Attainment Process” by G Vara Prasad, Associate Professor, Department of CSE, BMS College of Engineering, Bangalore on 5th November 2016.



5. The Department of CSE has organized a guest lecture on “**Awareness on quality projects and Internship opportunities in Intel India**”, by Mr. Dileep Paruchuri, Project/Program Manager Intel Bangalore, Karnataka, India | Intel Technologies on 21.11.2016.



6. The Department of CSE has organized a Two day workshop on “**Linux Administration**” from 8th December 2016 to 9th December 2016 in association with IQAC.



7. The Department of CSE has organized An Intra College Coding Contest (Code Architect 1.0) on 28th December 2016 by ACM PVPSIT-ACM Student Chapter.

Coordinator : Dr. M.V .Rama Krishna,
Mrs. D Sree Lakshmi
Mr. N V Ramana Gupta



8. The Department of CSE has organized 2-day student training program on “**Data Visualisation Using TABLEAU**” on 23rd & 24th September’16.

Coordinator : Mr. P E S N Krishna Prasad , Sr. Asst.Prof

Resource Persons :

1. Mr. Ashok Polapragada, Manager, KARVY
2. Analytics and Ms. Mussarath Yasmin, Data Scientist, KARVY Analytics.

Faculty Acheivements

1. Dr. S Madhavi, Professor has received a grant of Rs.2,60,000/- for her UGC Minor research project on “**A System to Isolate, Detect and Quantifies Engineering Nano particles and provide secured channel using a key establishment** “ on November 2016.
2. Mr. P E S N Krishna Prasad, was elected as Senior Member in IEEE.

3. Mr. P E S N Krishna Prasad was nominated as Technical Committee Member in IEEE SMC on Soft Computing
4. Dr.A.Sudhir Babu has got selected as a Research Guide from JNTU Kakinada to guide Ph.D enrolled Students.
5. Dr.A Sudhir Babu has delivered a guest lecture on “Security in MANETS by Trust Model” on 17th December 2016 at AVN Institute of Technology, Ibrahimpatnam, Rangareddy.
6. Mr.P.E.S.N.Krishna Prasad has delivered a guest lecture on “Data Analytics and Machine Learning algorithms with R” at R. V. R. & J. C. College of Engineering, Guntur on 29, December, 2016 .
7. Mr.P.E.S.N.Krishna Prasad has delivered a talk on “ Machine Learning Algorithms with R and its Applications” at JNTUA College of Engineering, Ananthapur, on 23~24, December 2016.
8. Mr.P.E.S.N.Krishna Prasad has delivered a talk on Applications of Machine Learning with R and Data Analytics in On- Week FDP on “ Machine Learning with R “ from 27th September 2016 to 1st October 2016 by Department of CSE, PVPSIT
9. Mr. B. Srinivasa Rao has been awarded Doctoral Degree in the Faculty of CSE for the thesis entitled “**An Intelligent Classification System Assembled with Evolutionary and Neural Network Algorithms** “by JNTUK Kakinada on 25.10.2016.
10. Mr.A.Vanamala Kumar was felicitated as SPOC for the NPTEL Local Chapter Prasad V Potluri Siddhartha Institute of Technology, which is rated AA based on performance in NPTEL Online Certification Courses during the period July- December 2016. at IIT Madras on 17.12.2016



11. Dr. A Sudhir Babu acted as a Track Chair/ Session Judge for “ International Conference on Advanced Computing and Communications (ICACC-2016)” on 21st October 2016 at Shri Vishnu Engineering College of Women, Bhimavaram.



12. Mr. V Rajesh was qualified in APSET- 2016 held on November 2016.
13. Mr. P E S N Krishna Prasad was nominated as State level CSI Student Coordinator, Andhra Pradesh.
14. Mr. B.Srinivasa Rao, Mr. IMV Krishna, Mr. MVS N Maheswar and Mr. A. Vanamala Kumar has received appreciation certificates from the Commissioner of Police, Vijayawada for acting as volunteers for “KRISHNA PUSHKARALU-16” from 12-23 Aug’16.

Faculty Publications

1. Ms.G Lalitha Kumari, Ms. Y Surekha, Mr. A Vanamala Kumar has published a paper on “Clinical Support System to predict Heart Diseases using ABC Algorithm of Artificial Neural Networks” in International Journal of Innovations in Engineering and Technology (IJIET) with ISSN: 2319-1058 on August 2016. Volume 7 Issue 2, page No: 315-321.
2. Dr. A Sudhir Babu has published a paper on “Stratified Approach using Conditional Random Fields in Diagnosis of Intrusions”, International Journal of Scientific Engineering and Technology Research, Vol 5, Issue 38, October 2016, Pp. 7942-7945.

3. Mr.V. Rajesh, Mr K. Venkatesh, Mr.S. Phani Praveen has published a paper entitled “An Algorithm for basic IOT architecture” in III International conference on Emerging Technologies in Computer Science and Engineering, Oct -16.
4. Mrs. D. Swapna has published a paper entitled “A study of Information Retrieval Approaches in Duplicate Bug Detection “ in Indian Journal of Science and Technology: Volume-9,Issue:43,issn.isbn:0974-5645,NOV-2016
5. Mr.K.Vijay Kumar has published a paper on “A Novel Ensemble Based Decision Tree Model for High Dimensional Biomedicine Data in IJCOT-Volume 37 Number 1-November 2016.
6. Mrs. T. Sri Lakshmi has published a paper on “Providing Security to User Data using OTP and Image CAPTCHA” in IJCOT-Volume 37 Number 1-November 2016.
7. Mr.K. Syama Sundara Rao has published a paper on “Study of Relation between the Proportion of opinionated Tweets and Retweets” in IJCTT-Volume 40 Number 3-October 2016.
8. Ms.J. Rama Devi has published a paper on “A Novel Two Step Genetic Program for High-Dimensional Data” in IJCOT-Volume 37 Number 1-November 2016.
9. Ms.A.Madhuri has published a paper on “Enhance Security in Multi-Clouds by Using Secret Sharing Algorithm” in IOSR-JCE Volume 18 e-ISSN: 2278- 0661, Nov-Dec- 2016.
10. Ms.D.Swapna has published a paper on “DualDefend:Identification ofInvasionsin Multi-Layer Web Applications” in IJRSR Volume 2 Nov 2016
11. Ms.Y. Surekha, Ms.G. Lalitha Kumari has published a paper on “Associative Based Classification Algorithm For Diabetes Disease Prediction” in IJETT- Volume 41 Number 3- November2016
12. Mr.I.M.V Krishna has published a paper on “Choatic Maps for Key Generation in Block Cipher for Multimedia Encryption/ Decryption” in IJCSIT-Volume 7(6) ,ISSN-0975-9646
13. Mr. N.V.Ramana Gupta has published a paper on “Identification of Malicious Applications in Online Social Networks” in IJRTI-Volume 1 ,Issue 3 with ISSN-2456-3315.
14. Ms. A.Divya has published a paper on “Attribute Based Web Image Search Reranking Model Paper” in IJSDR/Volume1 Issue-12, ISSN: 2455-2631.

15. Dr. S.Madhavi has published a paper on “Secured Authentication using Image Processing and Visual Cryptography to Prevent Shoulder surfing Attack” in IJSDR/Volumel Issue-12, ISSN: 2455-2631.
16. Ms.V.Sowjanya and Dr.A.Sudhir Babu has published a paper on “A Location Based Top-K Queru Secure Processing via Untrusted Location” in IJSDR/Volume1 Issue-12, ISSN: 2455-2631.
17. Ms. G.Lalitha Kumari and Ms.Y Surekha has published a paper on “Classical Data Migration Technique in Multi Database Syatems (SQL and NOSQL)” in IJCSIT/Volume7(6) , 2016, ISSN-0975-9646.
18. Ms.V.Siva Parvathi has published a paper on “Automatic Image Annotation using Birch Clustering Algorithm” in IJIACS/Volume5 Issue-11, ISSN: 2347-8616.
19. Ms.B.Lakshmi Ramani has published a paper on “Enhancing Cloud Security by DES through K-NN Computation” in IOSR-JCE/Volumel8 Issue-6, ISSN: 2278-8727.
20. Dr. A Sudhir Babu, has published a paper on “Collaborative Trust Model for Reactive Routing Protocols of MANETs”, International Journal for Research Trends and Innovations, Vol 2, Issue 1, December 2016.
21. Mr. S Phani Praveen has published a paper on “ Mobile Apps Fake Detection based on Ranking using Evidence Aggregation” in IJCTT, Volume 40, Number 2- October 2016. ISSN:2231-2803
22. Mr.V Rajesh has published a paper on “ Efficient Elimination of Duplicates in Storage Systems” in IOSR Journal of Mobile Computing & Application, Volume 3, Issue 6(Nov-Dec 2016). PP 38-43 : DOI: 10.9790/0050-03063843
23. Mr. A Yuva Krishna has published a paper on “ Four problem Minimization in Software Testing Resource Allocation” in IOSR Journal of Computer Engineering, Volume 18, Issue 6, Ver.III(Nov-Dec.2016) DOI: 10.9790/0661-180603109116
24. Mr. D Lokesh Sai kumar has published a paper on “ An Efficient Personalized Approach for Protection data in Web Search” in IJSDR, Volume 1, Issue 12.ISSN: 2455-2631.

25. Mr. M V S N Maheswar has published a paper on “ Geo Spatial Data Hiding for Copy Right Protection using 2X2 Block Approach” in IOSR Journal of Computer Engineering, Volume 18, Issue 6, Ver.III(Nov-Dec 2016) DOI:10.9790/0661-1806038286.
26. Ms. Ch Ratna Jyothi has published a paper on “ A novel Approach for OSN User Walls for Filtering Unwanted Messages” in IJSDR, Volume 1, Issue 12, December 2016 with ISSN: 2455-2631.
27. Mr.B. Vishnu Vardhan has published a paper on “ Audio Steganography with Data Encryption and Decryption using Discrete Wavelets Transformation” in IJSDR, Volume 1, Issue 12, December 2016 with ISSN:2455-2631.
28. Dr. M.V Rama Krishna has published a paper on “ The Comparative study of MANET Routing Protocols AODV,DSDV,OLSR and DSR in Random walk Mobility Model using NS-3” in IJARCCCE, Volume 5, Issue 11, November 2016 with ISSN: 2278-1021.
29. Ms. A Ramana Lakshmi has published a paper on” Efficient Clustering of Text Document using Spherical K-Means Algorithm” in IJCSIT, Volume 7, Issue 5, Dec, 2016 with ISSN : 2187-2190
30. Ms. D Sree Lakshmi has published a paper on “ An Efficient Privacy Preserving and Authentication based Data Transmission using Group Key Authentication Based on Secret Sharing” in International Journal of Scientific and Research Publications, Volume 6, Issue 10, October 2016 with ISSN 2250-3153.
31. Mr. K Venkatesh and Dr. A Sudhir Babu have published a research paper on “ Pre Query Approaches to Improve the Accuracy for Classifying Deep-Web Forms” in International Journal of Merging Technology and Advanced Research in Computing, Volume IV, Issue 16, Dec 2016 with ISSN:2320-1363.

32. Mr. B N Swamy has published a paper on “ Context Matching Technique for Prediction based Lossless Compression Using Rice Coding Technique” in IJSDR , Volume 1, Issue 12 with ISSN : 2455-2631.
33. Dr. B SrinivasaRao has published a paper on “Finger Print Classification Using Artificial Networks” in IJRCCT, Volume 5, Issue -12, December 2016 with ISSN 2278-5841.
34. Mr. P Anil Kumar has published a paper on “ Rank based Encrypted Cloud data Through Searching” in IJSDR, Volume 1, Issue 12 December 2016 with ISSN 2455-2631.
35. Mr. Ch Chandra Mohan has published a paper on “ Analyzing Drifts Using Event Logs” in IJRCSE , Volume 6 , Issue 5, Sep-Oct ,2016 with ISSN: 2321-5585.

Workshops Attended by Faculty

1. Mr. V Rajesh has attended One month Faculty Industrial Training Program on “Study of IOT Architecture and Android Technologies” from 3rd June 2016 to 2nd July 2016 at Efftronics System Pvt.Ltd, Vijayawada.
2. Mr. P E S N Krishna Prasad has participated in one Week Training program on “Big data Tools and Machine learning Algorithms (Module 2)” organized by NASSCOM at Acharya Nagarajuna University from 06-07-2016 to 10-07-2016.
3. Mr. A Vanamala Kumar has attended a one day workshop on “SPOC Awareness Program on NPTEL Students ” at IIT Madras on 2nd July 2016.
4. Dr. S Madhavi has attended a seminar on “ Quality standards” at Vignan University, Guntur on 26th August 2016.
5. Mr. Ch. Chandra Mohan has participated in the Faculty Development Program on “Effective Teaching” organized by P.B. Siddhartha College of Arts & Science, Vijayawada on 24th Oct 2016

6. Dr.S.Madhavi has attended a Two Week FDP on “Wireless Sensor Networks and Underlying Characteristics” during 14.12.2016 to 23.12.2016 at JNTUH College of Engineering, Hyderabad.

7. Mr.P.E.S.N.Krishna Prasad, has attended a One Week FDP on “Big data Tools and Machine Learning algorithms(Module 3) “ organized by NASSCOM from 14th December 2016 to 18th December 2016 at JNTUK, Kakinada

8. Mr.S. Phani Praveen attended 4-Day workshop on “Cloud Computing” organized under APSSDC at VVIT, Guntur from 22nd – 25th Sept’16.

9. Mr. KSS Rao and Mr. B. Vishnu Vardhan has attended 5-day workshop on “ Google Andriod” organized under APSSDC at VVIT, Guntur from 6th – 10th Sept’16.

10. Mr. D. Lokesh Sai Kumar has attended 2-day workshop on “Big Data-Challenges and Opportunities” organized under APSSDC at VVIT, Guntur from 30th Sept’16 – 1st Oct’16.

Student Achievements

10 members of Computer Science & Engineering were cleared the **Round-3 of Amazon Campus Interviews (Package: Rs. 7.5 Lakhs per annum)**.

70 members of Computer Science & Engineering were selected on various Campus Placements so far conducted in the College:

CAPGEMINI

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0505	BANDARU MEGHANA	C.S.E
02	13501A0506	BASAVA HARSHITA	C.S.E
03	13501A0507	BELLAMKONDA RAGHAVI LAVANYA	C.S.E
04	13501A0508	BEVARA BHUVANA PRIYA	C.S.E
05	13501A0514	BUVANESWARI GANESAN	C.S.E
06	13501A0524	GARIKIPATI V V E S KOUMUDI	C.S.E
07	13501A0530	UJWAL RAM JAKKA	C.S.E
08	13501A0533	MANIDEEP KAMARAJUGADDA	C.S.E
09	13501A0536	KANTI TUMMALA	C.S.E
10	13501A0541	PARDHA SAI CHOWDARY KOGANTI	C.S.E
11	13501A0549	VENNELA KOTHAPALLI	C.S.E
12	13501A0556	MANASWINI GORTHI	C.S.E

13	13501A0560	HASAN MANSOOR MOHAMMAD	C.S.E
14	13501A0562	M. SAI SOUMYA KRISHNA	C.S.E
15	13501A0567	NANDIPATI VAMSI	C.S.E
16	13501A0570	OOHA YADAV AVULA	C.S.E
17	13501A0578	PENDEM PAVANI	C.S.E
18	13501A0586	RALLAPUDI ANUSHA	C.S.E
19	13501A0587	RATAKONDA SANDHYA	C.S.E
20	13501A0589	AKHIL SABBINENI	C.S.E
21	13501A0594	SRAVANAM TEJASRI	C.S.E
22	13501A0595	SRAVYA NEKKANTI	C.S.E
23	13501A05A0	TATINENI RAVALI	C.S.E
24	13501A05A1	THATI KONDA PAVANI PRIYANKA	C.S.E
25	13501A05A2	TIPPIREDDY BHAVANI	C.S.E
26	13501A05A4	UMMAREDDY LAKSHMAN RAO	C.S.E
27	13501A05A9	VASA SOWJANYA	C.S.E

Tech Mahindra

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0516	CHUNDRU SRI LEKHA	C.S.E
02	13501A0529	GUNTUPALLI MAHESWARI	C.S.E
03	13501A0537	KASINATHUNI SANKARA LASYA PRIYA	C.S.E
04	13501A0538	KATRAGADDA KRISHNA MANI TEJA	C.S.E
05	13501A0545	KORITALA PRANAV	C.S.E
06	13501A0553	M SEEMA QUADIR	C.S.E
07	13501A0561	MOHAMMED ALIA SULTANA	C.S.E
08	13501A0566	NALLABALI ALKA	C.S.E
09	13501A0576	PEDDI LAKSHMI SARANYA	C.S.E
10	13501A0583	PUNYASAMUDRAM SREE HARSHA	C.S.E

TATA CONSULTANCY SERVICES

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0563	MUSUNURU JAHNAVI	C.S.E
02	13501A0570	OOHA YADAV AVULA	C.S.E
03	13501A0578	PENDEM PAVANI	C.S.E
04	13501A0596	SUNKARA NAGA MOUNIKA	C.S.E
05	13501A05A0	TATINENI RAVALI	C.S.E

FSS (Financial Software Solutions)

Sl.No	Rollno	Name Of the Student	Branch
-------	--------	---------------------	--------

01	13501A0519	DAVULURI LAHARI RAMA SAI	C.S.E
02	13501A0531	JONNADULA PAVANA POOJA	C.S.E
03	13501A0536	KANTI TUMMALA	C.S.E
04	13501A0543	KOLLI BHANU KRISHNA TEJA	C.S.E

GLOBAL EDGE SOFTWARE LTD.

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0529	GUNTUPALLI MAHESWARI	C.S.E
02	13501A0556	MANASWINI GORTHI	C.S.E
03	13501A0583	PUNYASAMUDRAM SREE HARSHA	C.S.E

Cyient

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0523	DOPPALA DURGA SRINADH	C.S.E

Vee Technologies

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0501	ALLA PRANAVI	C.S.E
02	13501A0515	CHIRUMAMILLA MEGHANA	C.S.E
03	13501A0526	GOGAM RAVI TEJA	C.S.E
04	13501A0540	KOGANTI KUSUMA SREE	C.S.E
05	13501A0544	KONDISETTY OOHASRI AKHILA	C.S.E
06	13501A0571	PAKALAPATI POOJITHA	C.S.E
07	13501A0574	PATAPANCHULA ANUSHA	C.S.E
08	13501A0577	PEETA YOGA BHASKAR	C.S.E
09	13501A05A7	VAJRAPU KAVYA SREE	C.S.E
10	13501A05B3	YENUGULA SIRI KINNERA	C.S.E
11	14505A0514	KOSURU TEJASWIA	C.S.E

Cigital

Sl.No	Rollno	Name Of the Student	Branch
01	13501A0512	BOYINA SRAVANI	C.S.E
02	13501A0519	DAVULURI LAHARI RAMA SAI	C.S.E
03	13501A0524	GARIKIPATI V V E S KOUMUDI	C.S.E
04	13501A0567	NANDIPATI VAMSI	C.S.E
05	13501A0570	OOHA YADAV AVULA	C.S.E

VEDA IIT

Sl.No	Rollno	Name Of the Student	Branch
-------	--------	---------------------	--------

01	13501A0546	KOTAGIRI SAHITH	C.S.E
02	13501A05A5	DUMME AIMAN	C.S.E
03	13501A05A8	VARRI VENKATA SIVA SAI TEJ	C.S.E

Efftronics

Sl.No	Rollno	Name Of the Student	Branch
01	13501A05A8	VARRI VENKATA SIVA SAI TEJ	C.S.E
02	13501A05B2	YELAMARTHI MANOJ KUMAR	C.S.E

1. Ms. Manaswini Gorthi , Ms. Sri lekha , Ms. V KavyaSree got selected for “ACM-ICPC Amrithapuri On-site Coding Contest” held at Amrithapuri University, Kerala on 22nd December 2016.

2. Mr A. Sai Sri Harsha (14501A0502) and Mr. B. Harsha Vardhan (14501A0513) has secured the third place in Paper Presentation on Technozion-16 during from 20.10.16 to 22.10.16 at National Institute of Technology, Warangal.

3. Mr.K Sri Vatsav (15501A0548) of CSE has got 1st Prize in Intra Level Coding Contest(Code Architect 1.0) conducted on 28th December 2016 at PVPSIT.



4. Mr. K Narayana(15501A0544) of CSE has got 2nd Prize in Intra Level Coding Contest (Code Architect 1.0) conducted on 28th December 2016 at PVPSIT.



5. Mr. Md. Nuruddin(15501A0565) of CSE has got 3rd Prize in Intra Level Coding Contest (Code Architect 1.0) conducted on 28th December 2016 at PVPSIT.



6. D. Akhil and G. Ram Prasad of III year has won II prize in MASHUP event at “gravitas” organised by Vellore Institute of Technology from 23-25 Sept’16.

7. G. Ram Prasad of III year has won III prize in JUMBLE CODING event at “gravitas” organised by Vellore Institute of Technology from 23-25 Sept’16.

8. 3 teams(i.e 6 members) were selected for CODE VITA conducted by TCS.

1. B. Harshita (13501A0506)

2. B. Sravani (13501A0512)

3. D. Jyothirmai (13501A0522)

4. K. Pranav (13501A0545)

5. S. Akhil (13501A0589)

6. Y. Manoj Kumar (13501A05B2)

Internships

1. Mr. Akhil D(14501A0527) and Mr Ram Prasad G(14501A0541) has attended internship program on “ Internet of Things” at EfftronicsSystem Pvt.Ltd from 16th August 2016 to 10th September 2016.

2. Mr. D Durga Srinath(13501A0523) has got internship opportunity to do the project work at “**DEFENCE ELECTRONICS RESEARCH LABORATORY(DRDO)** ,HYDERABAD -05 from December 2016 to March 2017.

Student Articles

After All These Years, the World is still powered by C Programming

Despite the prevalence of higher-level languages, C continues to empower the world. The following are some of the systems that are used by millions and are programmed in the C language.

Microsoft Windows

Linux

Mac

Mobile

Databases

The world's most popular databases, including Oracle Database, MySQL, MS SQL Server, and PostgreSQL, are coded in C

3D Movies

3D movies are created with applications that are generally written in C and C++.

Embedded Systems

The alarm clock that wakes you up is likely programmed in C.

You turn on your TV or radio while you eat your breakfast. Those are also embedded systems, powered by C.

When you open your garage door with the remote control you are also using an embedded system that is most likely programmed in C.

Then you get into your car. If it has the following features, also programmed in C:

- Automatic transmission
- Tire pressure detection systems
- Sensors (oxygen, temperature, oil level, etc.)
- Dashboard display
- anti-lock brakes
- automatic stability control
- cruise control
- climate control
- child-proof locks
- keyless entry
- airbag control

And when you pay with your credit card? You guessed it: the credit card reader is, again, likely programmed in C.

Although the programming language used on embedded systems can vary from brand to brand, they are most commonly programmed in the C language, due to the language's features of flexibility,

- Efficiency,
- Performance,
- Closeness to the hardware.

-By G.RamPrasad

ACM Doctoral Dissertation Honorable Mention Award 2016: *Peter Bailis*



Haitham Hassanieh is the recipient of the ACM 2016 Doctoral Dissertation Award. Honorable Mention for the 2016 ACM Doctoral Dissertation Award went to Peter Bailis of Stanford University and Veselin Raychev of ETH Zurich.

In Bailis's dissertation, Coordination Avoidance in Distributed Databases, he addresses a perennial problem in a network of multiple computers working together to achieve a common goal: Is it possible to build systems that scale efficiently (process ever-increasing amounts of data) while ensuring that application data remains provably correct and consistent? These concerns are especially timely as Internet services such as Google and Facebook have led to a vast increase in the global distribution of data. In addressing this problem, Bailis introduces a new framework, invariant confluence, that mitigates the fundamental tradeoffs between coordination and consistency. His dissertation breaks new conceptual ground in the areas of transaction processing and distributed consistency—two areas thought to be fully understood. Bailis is an Assistant Professor of Computer Science at Stanford University. He received a PhD in Computer Science from the University of California, Berkeley and his AB in Computer Science from Harvard College.