# CSE Newsletter (JAN—JUNE 2018)

# P.S.R.Engineering College

**An Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to Anna University**
Accredited by NBA, AICTE, New Delhi & An ISO 9001: 2008 Certified Institution
Sivakasi - 626 140, Virudhunagar (Dt), Tamil Nadu.

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## DEPARTMENT OF CSE



## MESSAGE FROM THE PRINCIPAL

I am much pleased in releasing this issue of News Letter. Keeping in mind, enhancement of technical knowledge and better employability of the students, the institution shows keen interest in organizing various development programmes for staff and students. I wish, every student passing out from our College has rich blend of knowledge and skill and occupies better position in the society.

# DEPARTMENT ACTIVITIES

Our Department Organized National Level Technical Symposium "RHITHWIR2K18" on Feb. 09, 2018.

Mr.Hemnath Kumar, Assistant Manager of FACE, Chennai has delivered Guest Lecture on "Webinar on How to help your students to crack the code vita 2018" for Third Year & Final Year Students on June 28, 2018.



Dr.Jey Keesavan Veerasamy, Director, Center for Computer Science Education of UT-DALLAS, Chennai has delivered Guest Lecture on "Graphical Introduction to Object Oriented Programming" for Third Year Students on June 26, 2018.



Let's all as a PSR CSE Family work with great zeal towards the glory and look

forward for more achievements in the near future.

# AWARDS AND ACHIEVEMENTS OF STUDENTS

## BEST OUTGOING STUDENT AWARD 2018



1401011
JEYANTHI V

Our CSE department feels proud and happy to award the Best Outgoing CSE Student Award 2018 to V.Jeyanthi, for appreciation of her overall performance in the college during 2014-'18.

## CLASS TOPPERS

Our Department Under Graduate students secured Autonomous Ranks for the academic year **2014 – 2018.**

| S.No. | Reg. No | Class Topper Name | Student Photo | CGPA | Rank |
|-------|---------|-------------------|---------------|------|------|
| 1 | 1401011 | JEYANTHI V |  | 9.12 | 01 |
| 2 | 1401038 | SIVAGAMASUNDARI V |  | 8.89 | 02 |
| 3 | 1401039 | SOPHIA SALETH MARY V |  | 8.87 | 03 |

Our Department Post Graduate students secured Autonomous Rank for the academic year **2016– 2018.**

| S.No. | Reg. No | Class Topper Name | Student Photo | CGPA | Rank |
|-------|---------|-------------------|---------------|------|------|
| 1 | 1623004 | DIVYALAKSHMI S |  | 9.31 | 01 |

The Management, Principal and Faculty Members congratulate all the Rank Holders for their sparkling performance. They deserve special appreciation in bringing laurels to the department and institution.

# ACTIVITIES BY OUR FACULTY

## HIGHER DEGREE AWARDED

* Dr.S.Priyadharsini, Asso. Prof. Received her Ph.D. degree from Anna University, Chennai during Jan 2018.

## CONFERENCE:

♦ Jeya Sankara Kuberan.D and Dr.K.RubaSoundar has presented a paper titled "Mining Human Activity Patterns From Smart Home Big Data For Health Care Applications", Proceedings of the 8th National Conference on Recent Trends In Computing, Communication And Technology (Recant'18) held at PSR Engineering College, Sivakasion 16th and 17th March 2018.

♦ Jeya Sankara Kuberan.D and Dr.K.RubaSoundar has presented a paper titled "Mining Human Activity Patterns From Smart Home Big Data For Health Care Applications", Proceedings of the 8th National Conference on Recent Trends In Computing, Communication And Technology (Recant'18) held at PSR Engineering College, Sivakasion 16th and 17th March 2018.

♦ Dr.S.Singaravelan, has presented a paper titled "Active and Effective Global Context Authentication For Image Copy Detection" Recent trends in Computing, Communication and Technology held at PSR Engineering College, Sivakasi on March 2018.

♦ Dr.S.Singaravelan, has presented a paper titled "Human Ear Recognition System Using Local Binary Pattern" Recent trends in Computing, Communication and Technology held at PSR Engineering College, Sivakasi on March 2018.

♦ Dr.S.Singaravelan, has presented a paper titled "Enabling Secure Privacy-Protective Multi-Keyword Top-K Correlation Search Over Encoded Data." Recent trends in Computing, Communication and Technology held at PSR Engineering College, Sivakasi on March 2018.

♦ Dr.Arun, has presented a paper titled "Brain Tumor MRI Comparative Analysis of segmentation and Classification using Different Techniques" Noorul Islam Centre for Higher Education, 28th February 2018

♦ Dr.S.Priyadarsini, Asso prof /CSE has presented a paper titled "Medical Image Segmentation Using Improved Region Growing Method", Seventh national conference On Communication technologies (ncct '18) at MepcoSchlenk Engineering College,Sivakasi ,March 15th 2018.

♦ Dr.S.Priyadarsini, Asso prof / CSE has presented a paper titled "Android based library management system ", National Conference at PSR Engineering College,Sivakasi, March 15th 2018.

♦ Dr.S.Priyadarsini, Asso prof /CSE has presented a paper titled "Medical Image Segmentation Using Improved Region Growing Method", Seventh national conference On Communication technologies (Ncct '18) at MepcoSchlenk Engineering College, Sivakasi, March 15th 2018.

## INTERNATIONAL JOURNALS \

⊗ Lekshmi K, Dr.RubaSoundar K, et.al., (2018), "Segmentation of Hepatocellular carcinoma and Dysplastic Liver Tumors in Histopathology images using Area based Adaptive Expectation Maximization", International Journal on Multimedia Tools and Applications, Springer Publications. Vol.77, Issue 2, pp.1761-1782, Jan. 2018, (ISSN : 1380-7501, EISSN : 1573-7721) Impact Factor : 1.403, SNP 0.944, SJR : 0.408.

⊗ R.Kesavamoorthy, Dr.K.RubaSoundar "Swarm intelligence based autonomous DDoS attack detection and defense using multi agent system", International Journal of Cluster Computing, Springer Online https://doi.org/10.1007/s10586-018-2365-y (ISSN: 1573-7543) IF:2.040.

⊗ S.Divyalakshmi and Dr.K.RubaSoundar, "Effective Storage Architecture for Evaluation of De-Duplication in Cloud Environment", International Journal of Science and Engineering Research, Vol.6, Issue 3, pp.2072-2076, March 2018 (ISSN : 3221 568X, EISSN : 3221 5687).

⊗ D.Suvathi and Dr.K.RubaSoundar, "Image Cloud Processing for Big Data using Static Image Cloud Processing with Hadoop", International Journal of Creative Research Thoughts, Vol.6, Issue 2, pp.1549-1554, April 2018 (ISSN : 2320-2882).

# ACTIVITIES BY OUR FACULTY

⊗ KavithaNagarathinam and Dr.K.RubaSoundar Kathavarayan "Moving Shadow Detection Based on Stationary Wavelet Transform and Zernike Moments", IET Computer Vision, Accepted on 24th March 2018, DOI 10.1049/iet-cvi.2017.0273 (Impact Factor: 0.878, ISSN: 1751-9632)

⊗ Bhavya Tadikonda, A V Prabu, S Rajasoundaran, K RaghavaRao, P S G Aruna Sri, 'Secured Door Lock System Based On Fingerprint Authentication', Journal of Advanced Research in Dynamical and Control Systems, ISSN 1943-023X, Special issue 02, Page-7, 2018. (Scopus Indexed)

⊗ Priyadarsini S, M.RafiathulRahmania, has presented a paper "Performance evaluation of Digital fundus images", International Science and Technology Journal,ISSN NO: 1632-2882,Volume 7, Issue 5, May 2018.

⊗ A.Ramathilagam and K. Vijayalakshmi ""Meeting Deadlines Using Artificial Bee Colony (Abc) Based Resource Mechanism In Public Clouds With Tasks Replication In Large-Scale Biomedical Data" Journal of Computational and Theoretical Nanoscience,Volume 15,No.3,PP 866-875, March 2018.

⊗ A.Ramathilagam and A.Uma devi, D.Nagadarshini, V.Akila,"IRIS based cardless automated teller machine",International journal for technological research in Engineering Volume 5,Issue 7,ISSN 2347-4718,March 2018.

⊗ Blessing karunya.T and Ramathilagam.A," Secure Data Retrieval for Decentralized Snooping Tolerant Networks" International Journal of Advanced Research in Management, Architecture, Technology and Engineering(IJARMATE) Vol. IV, Issue IV, April 2018.

⊗ D.ArunShunmugan, "Opinion Based Sentiment Analysis Using Mapreduce Algorithm", Recent Trends In Computing, Communication And Technology (RECANT), Mar 2018.

⊗ D.ArunShunmugan, "Android Based Alumni Interaction Management System", Recent Trends In Computing, Communication And Technology(RECANT),Mar 2018.

⊗ D.ArunShunmugan, "Wastage Food Delivery SMS Alert Apps System", Recent Trends In Computing, Communication And Technology(RECANT),Mar 2018.

⊗ D.ArunShunmugan, "Sentiment analysis and synthesis Expressive speech at the sentence level", Recent Trends In Computing, Communication And Technology(RECANT),Mar 2018.

## KNOWLEDGE GAINED AT VARIOUS FORUMS :

⊗ Our Department faculty Mrs.P.Archana has attented Hands on Training on R Programming using R studio at PSR Engineering College, Sivakasi, Dec. 30 to Jan. 5 2018.

⊗ Our Department faculty Mr.D.ArunShunmugam has participated in a one day workshop on "NPTEL Workshop for SPOC", IIT Madras on Jan. 17, 2018.

⊗ Our Department faculty Mrs.R.Ramani, attented a two days seminar on Hadoop and Map Reduce at Vaaranam Data Solutions during Feb. 12 & 13, 2018.

⊗ Our Department faculty Dr.K.Rubasoundar has attended 32nd Edition of Bridge 2018 - Chennai (The largest Industry-Institute Interaction Event of Asia), organized by ICT Academy on Mar. 28, 2018 at ITC Grand Chola, Chennai.

⊗ Our Department faculty Dr.K.Rubasoundar has participated in Salesforce Academic Summit 2018 organized by ICT Academy on May 8, 2018 at ITC Grand Chola, Chennai.

⊗ Our Department faculty Mrs.R.Ramani, attented a two days Seminar on Spark and Zeppeling Tool at Vaaranam Data Solutions during April 07 & 07, 2018.

⊗ Our Department faculty Dr.S.Singaravelan has attented one day hands on training program on Graphical Introduction to object oriented programming, UT Dallas,University of Texas, June 25, 2018.

⊗ Our Department faculty Mrs.A.Ramathilagam has attended Seven days Faculty Development Program On "Data Analytics" at Ramco Institute of Technology, Rajapalayam from June 06 to 13, 2018.

# ACTIVITIES BY OUR STUDENT

## CO-CURRICULAR ACHIEVEMENTS OF STUDENTS

⊗ Eighty students from our department participated in various events organized by different institutions. The students got various prizes in different events like paper presentation, Quiz, code debugging etc.

⊗ Our CSE Department students Madhu Mitha, Shirely Twinkle has owned first prize in the event googler on 31 Jan. 2018 at P.S.R.Rengasamy College of Engineering for Women, Sivakasi.

⊗ Our CSE Department student R.Abarna has owned second prize in the event connection on 29 Jan. 2018 at P.S.R.Rengasamy College of Engineering for Women, Sivakasi.

⊗ Our CSE Department student Ms.MuthuPreetha, Ms.MuthuBhavani has owned second prize in the event paper presentation on 31 Jan. 2018 at P.S.R.Rengasamy College of Engineering for Women, Sivakasi.

⊗ Our CSE Department student Ms.MuthuPreetha, has owned first prize in the event Quiz on 31 Jan. 2018 at P.S.R.Rengasamy College of Engineering for Women, Sivakasi.

⊗ Eleven students from our CSE Department attened Symposium on 31 Jan. 2018 at P.S.R.Rengasamy College of Engineering for Women.

⊗ Our CSE Department student S.Pavithra, R.Muthu Preetha, R.BrabhaLaxmi has attented three days workshop from 01 Feb. to 03 Feb. 2018 at Karpagam College of Engineering.

⊗ Our CSE Department student R.Guru Ganesh, M.Balasubramani, has attented one day workshop on 16 Feb. 2018 at Mepco Schlenk Engineering College.

⊗ Our CSE Department student K.Archana, P.Mahalakshmi, D.Keerthika, has attented Symposim on 16 Feb. 2018 at P.S.R Engineering College.

⊗ Eleven students from our CSE Department has attented one day workshop on 21 Feb. 2018 at National Engineering College.

⊗ Five students from our CSE Department has attended one day workshop on 23 Feb. 2018 at S.N.S College of Engineering.

⊗ Four students from our CSE Department has attented one day workshop on 25 Feb. 2018 at Coimbatore Institute of Technology.

⊗ Nine students from our CSE Department has attented one day workshop on 27 Feb. 2018 at National Engineering College.

⊗ Our CSE Department student G.Priyadharshini has attented one day workshop on 23 April. 2018 at Elysium Technology.

⊗ Six students from our CSE Department has attented one day workshop on 25 April 2018 at Appin Technology.

⊗ Seven students from our department has attented one day workshop on 04 May 2018 at Code Bind Technology, Chennai. UNIQ Technologies, Chennai.

⊗ Six students from our department has attented one day workshop on 11 May 2018 at UNIQ Technologies, Chennai.

⊗ Six students from our CSE Department has attented one day workshop on 18 April 2018 at Appin Technology.

## PLACEMENT ACTIVITIES

⇒ More than 50 companies have recruited our students who passed out in 2018.

⇒ 79.24% of the final year students (2014-2018) got placed in top companies.

⇒ Campus recruitment training (Campus to Career) was conducted from for final year students (2013-2017).

⇒ Weekly training sessions for the students by the Training and Placement Cell and regular practice on online tests are the milestones of our department. Aptitude and Technical training given to the students grooms them to perform better in campus interviews.

⇒ Various Companies recruited students from our college in the Recruitment Drives conducted during the Academic Year 2018. Totally 42 students are placed in the various companies.

# ACTIVITIES BY OUR STUDENT

## INTERNSHIP DETAILS

The following students Undergone Internship training : 2017-2018

| Sl No. | Name of the Student | Year | Place | Duration |
|--------|--------------------|------|-------|----------|
| 1. | R.AKILAN | IV/CSE | VERNALIS, MA-DURAI | 5 months |
| 2. | D.JEYA SANKARA KUBERAN | IV/CSE | HP, CHENNAI | 3 months |
| 3. | G.PRIYA | IV/CSE | AMSHUHU ITECH SOLUTIONS, CHENNAI | 4 months |
| 4. | V.RAJANANTHAKU MAR | IV/CSE | MITHRASOFT, KOVILPATTI | 3 months |
| 5. | P.SELVA GANESH | IV/CSE | MITHRASOFT, KOVILPATTI | 3 months |
| 6. | P.SENTHIL KUMAR | IV/CSE | VERNALIS, MADURAI | 5 months |
| 7. | G.KUMAR | IV/CSE | MITHRASOFT, KOVILPATTI | 3months |

# ACTIVITIES BY OUR STUDENT

## IN-PLANT TRAINING DETAILS

The following students Undergone In-plant training : (2017-2018) EVEN SEM

| Sl No. | Name of the Student | Year | Place | Duration | |
|---|---|---|---|---|---|
| 1 | M.Deshiya Narayan M | III/ CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 2 | G.Archana | III/ CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 3 | ABINAYA. B | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | May 2018 |
| 4 | ABISHEIK. M | II/CSE | UNIQ Technologies, Chennai | 1 week | May 2018 |
| 5 | AJITHA. P | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 6 | ANURADHA. K | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 7 | ARCHANA. M | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 8 | ARIKRISHNAN. K | II/CSE | UNIQ Technologies, Chennai | 1 week | May 2018 |
| 9 | ARIYA SELVA-LAKSHMI. S | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | May 2018 |
| 10 | ARUN. S | II/CSE | UNIQ Technologies, Chennai | 1 week | May 2018 |
| 11 | ASHOK KUMAR. S | II/CSE | UNIQ Technologies, Chennai | 1 week | May 2018 |
| 12 | BALA KRISHAN. V | II/CSE | UNIQ Technologies, Chennai | 1 week | May 2018 |
| 13 | BALAJI. K | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 14 | BALASUBRAMANI. M | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 15 | CHITHIRA PUTHIRAN. L | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 16 | CHITRA. S | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 17 | GEETHA. S. A. | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | May 2018 |
| 18 | GNANAGURU.G | II/CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 19 | GOPI KRISHNA. M | II/CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 20 | GUHAN. K | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |

# ACTIVITIES BY OUR STUDENT

| Sl No. | Name of the Student | Year | Place | Duration | |
|--------|---------------------|------|-------|----------|---|
| 21 | GURU GANESH. R | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 22 | HISHANIKA. N | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 23 | JOHN STEPHEN. S | II/CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 24 | JOTHI LAKSHMI. M | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | May 2018 |
| 25 | KALAI ARASAN. M | II/CSE | UNIQ Technologies, Chennai | 1 Week | May 2018 |
| 26 | KALEESWARI. M | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 27 | KALIRAJAN. A | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 28 | KAMALANAND. P | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 29 | KARTHIK KUMAR. A | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 30 | KARTHIKA. N | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 31 | LOGESH. M | II/CSE | CODEBIND Technologies, Chennai | 1 week | May 2018 |
| 32 | MADHUMOHAN. S | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |
| 33 | MAHALAKSHMI. P | II/CSE | APPIN Technologies, Coimbatore | 2 Weeks | April 2018 |
| 34 | PETCHIAPPAN. M | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |
| 35 | PRIYA HARSHANA. S. | II/CSE | BlitzscaleTechnologies, Chennai | 1 Week | April 2018 |
| 36 | RASHMI. D | II/CSE | BlitzscaleTechnologies, Chennai | 1 Week | April 2018 |
| 37 | SHANMUGA PRIYA. K | II/CSE | BlitzscaleTechnologies, Chennai | 1 Week | April 2018 |
| 38 | SHARTHI. R | II/CSE | BlitzscaleTechnologies, Chennai | 1 Week | April 2018 |
| 39 | SUKUMAR. S | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |
| 40 | SUNDARAM. S | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |
| 41 | VINCENT KARTHIK. L | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |
| 42 | YOGARAJAN. J | II/CSE | UNIQ Technologies,Chennai | 1 Week | May 2018 |