NEW PRINCE SHRI BHAVANI ARTS AND SCIENCE COLLEGE

(Co-educational institution & Affiliated to University of Madras)

MEDAVAKKAM, CHENNAI.

DEPARTMENT OF COMPUTER SCIENCE

CS HAPPEN BYTES

Issue: 2017-2018

A Yearly Newsletter

ABOUT CS BYTES

It is with great pleasure that we bring you the 2017-2018 issue of CS Happen Bytes, the yearly newsletter of Department of Computer Science, New Prince Shri Bhavani Arts and Science College. The purpose of CS Happen Bytes is to provide information about the exciting new developments and ongoing programs at the department of computer science. The current newsletter highlights the activities of our students and the achievements of faculty during the past one year. The intent of CS Bytes is to disseminate information about our department as well as college, and we hope that the readers find the issues informative and useful. We are thankful to the faculty, students and staff of our department for their valuable inputs, and we welcome suggestions and feedback that will help us improve further. We can be reached at newsletter@newprincearts.edu.in.

HOD'S MESSAGE

Dr.V.Uma Devi

Greetings from the department of Computer Science.

I am very pleased to present the fourth issue of the newsletter "CS Happen Bytes" of Computer Science Department. I hope the Newsletter will serve as an interface between the college and outside world. This newsletter provides information about the academic and co -curricular activities organized in the department during the academic year of 2017 to 2018. I am happy to note that various initiatives are taken by the department to disseminate knowledge by organizing symposium, development programs and workshops. Expert lectures are also organized to keep updated with the latest developments in the field of Computer science and technology. I congratulate all the faculty and students who have contributed to this

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DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science was established in the year 1999 with UG programme B.Sc. Computer Science to nurture fresh talent in the field of Information Technology. To accomplish the need of IT sector, we started BCA in 2000. The Department was upgraded into a post graduate stream in the year of 2003. It is committed to provide a supportive, friendly and challenging learning environment and to impart quality education in the sub fields of IT, a field growing leaps and bounds. The department has a well-equipped laboratory and a reference library for the benefit of staff and students. The department comprises of well qualified and dedicated faculty members who are specialized in the areas like Web Technology, Database Management Systems, Java, Data Mining and Networks. The faculty members have very strong academic credentials. The department regularly organizes various seminars, conferences, workshop and development programmes etc., for the benefit of faculties and students in the area of Information Technology. The Faculty of the department also attends frequent training programmes which help them to handle constantly changing technological trends. The overall academic performance of the department is outstanding.

Vision:

To be in the frontier of computer science and applications to produce globally competent graduates and professionals with innovative ideas, skills and moral values to build a vibrant nation.

Mission:

- To provide quality education to meet the need of profession and society.
- Provide a learning ambience to enhance innovations, problem solving skills, leadership qualities, team-spirit and ethical responsibilities.
- Establish Industry Institute Interaction program to enhance the entrepreneurship skills
- Provide exposure of latest tools and technologies in the area of information technology.
- To inculcate value-based, socially committed professionalism to the cause of holistic development of students and society.

EVENTS ORGANIZED

Technosis- Association of Computer Science, organized many events like Technical Symposium, Faculty Development Programme, Workshops, Seminars, and Intra-Events to enlighten the students' knowledge as well as for the benefit of faculty members to acquire knowledge in the latest technologies and career development. Here are the details of some important events during the academic year 2017-2018:
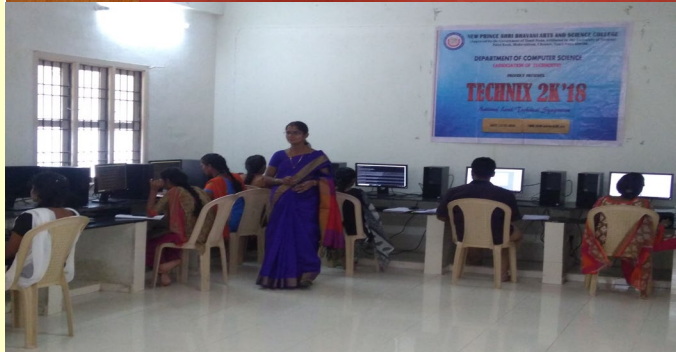
FACULTY DEVELOPMENT PROGRAMME

One day Faculty Development program on "Cloud Computing in IOT" held on 23rd September 2017.

WORKSHOPS AND SEMINARS

- One day Workshop on **"IoT Applications"** held on 22nd July 2017, hosted by Aadityaa Infomedia Technologies, Chennai.

- One day Seminar on **"Cyber Security and Ethical Hacking"** held on 12th August 2017, hosted by Mr.M.Anandakrishnan, Software Engg., Renault Nissan Technology, Chennai.

- One day Seminar on **"Cloud Storage"** held on 9th September 2017, hosted by Mrs.Kalaivani Ganesh, CTS, Chennai.

- One day Workshop on "**Matlab"** held on 10th February 2018, hosted by Aadhityaa Infomedia Technologies, Chennai.

- One day Workshop on "**Software Testing Tool"** held on 24th February 2018, hosted by Aadhityaa Infomedia Technologies, Chennai.

A national level technical symposium "TECHNIX-18" hosted by the Department of Computer Science, held on 27th January 2018. This Symposium is to enlighten and encourage the participants (UG & PG) to gain hands on knowledge on the recent trends development in various avenues of computer science and Information Technology. Main intention of TECHNIX 2k'18 is to provide a creative stage to the students by covering up the latest trends and topics in contemporary computer science as much as possible. This symposium provides opportunities for the students and academics, to exchange new ideas and experiences face to face, to establish knowledge sharing and professional relationship. Over 180 students from various institutions were participated in the symposium.

GUEST LECTURES

- Guest Lecture on **"Wireless Sensor Networks"** delivered by Mrs.J.Wisely Joe, St.Peters College of Engineering and Technology, Chennai, held on 1st July, 2017.
- Guest Lecture on **"OOPS Concepts"** delivered by Dr.S.Aruna, A.M.Jain College, Chennai, held on 5th August 2017.
- Guest Lecture on **"Problem Solving in C"** delivered by Mrs.Anjeline Jebamalar, Prince Shri Venkateshwara Arts and Science College, Chennai, held on 16th September 2017.
- Guest Lecture on **"Applications of C,C++ and Java"** delivered by Mr.J.Muralidaran   D.B.Jain College, Chennai, held on 16th December 2017.
- Guest Lecture on **"Cloud computing"** delivered by Dr.D.Akila, Associate Professor, Vels University, Chennai, held on 6th January 2018.
- Guest Lecture on **"Programming Structure"** delivered by Mrs.V.Priyadharshini, Vidhaya Sagar Women's College, Chennai, held on 3rd February 2018.

ALUMINI TALK

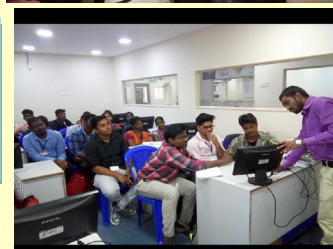- Alumni talk delivered by Mr.John Wesley, Chennai on **"Career Assistance & Motivation"**, held on 15th July 2017.

IN-PLANT TRAINING

- In-Plant Training Programme at **"Aadhityaa Infomedia Technologies"**, Chennai, held on **17th, 18th and 19th August 2017**, arranged for final year students.

INDUSTRIAL VISITS

- The final year students of B.C.A and B.Sc. (CS) were taken for one day visit to **"SLN Technologies"**, Chennai, on 1st September 2017. This Industrial visit was highly appreciated by the student community.

EXTENSION ACTIVITY

- As an Integral part of curriculum, Department of Computer Science organized an awareness campaign on **'Cashless Transactions'** held on 29th July 2017 in and around Medavakkam area by interested students of BCA and B.Sc(CS).

PUBLICATIONS OF FACULTY MEMBERS

Dr.V.Uma Devi, published a paper on "Cloud Storage Providers and its Metrics" in IJARCS - International Journal of Advanced Research in Computer Science, 2017.

Mrs. I.Poonkody published a paper on "Fuzzy Based Median Filter for Noise Removal Process Directly from the Colour Images" in JASC, on Jan 2018.

Mrs.V.Poornima published a paper on "A Novel Approach for Diagnosing Heart Diseases with Hybrid Classifier" in Biomedical Research, April 2018.

WORKSHOP AND CONFERENCES PARTICIPATED BY FACULTY

The Faculty members are frequently attends FDP, Workshops, Seminars and Conferences, which help them to handle constantly changing technological trends. The list of Faculty members who are participated in various Workshop/Seminar/Conferences are as follows:

Dr. P. Srivaramangai, Dr. A. Muthamizh Selvan, Mrs. V. Poornima and Mrs. T. Lavanya Suja have attended **FDP** on **"SMAC (Social Mobile, Analytics and Cloud)"** at RMK Engineering College, held on 8th June 2017.

Mrs. P.Calista Bebe, Mrs. B.Sharmila and Mrs. T. Lavanya Suja have attended **Workshop** on **"Concept Development For Inspiring Innovations To Bind Science And Society"**, at Saveetha School Of Engineering, held on 19th August 2017.

Dr. A. Muthamizh Selvan, Mrs.S. Sivagamasundari, and Mrs.K. Maheswari have attended **Workshop** on **"Machine Learning by MATLAB"**, at VIT University, held on 30th August 2017.

Dr.V. Umadevi, Dr. P. Srivaramangai ,Mrs. A. Sivarani, and Mrs.S.Janet Grace Susila have attended Workshop on "Workshop on NS3", at VIT University, held on 31st August 2017.

Dr.C.Meenakshi, Mrs.S.Meenakshi, Mrs. I.Poonkody, Mrs.B.Sharmila and Dr. A. Muthamizh Selvan have attended Seminar on "Web Analytics Using Sas", at VIT University, held on 11th October 2017.

Mrs.S.Janet Grace Susila, Mrs.V.Poornima, Mrs.S.Saranya and Mrs. T.Lavanya Suja have attended Seminar on "International Seminar on Research in Computer Vision", at VIT University, held on 26th October 2017.

Mrs. A. Sivarani, Mrs.S. Sivagamasundari, Mrs. S. Meenakshi, Mrs. S. Saranya, Mrs.S. Janet Grace Susila, Mrs. I.Poonkody , Mrs.B.Sharmila and Mrs.K. Maheswari have attended FDP on "Big Data Analytics", at Dr.M.G.R University, held on 22nd November 2017.

Mrs. P.Calista Bebe and Dr.V. Nethaji have attended Workshop on "Big Data Analytics Using Hadoop", at CIRF- VELS University, held on 5th & 6th January 2018.

Dr.V. Umadevi and Mrs. P.Calista Bebe have attended FDP on "Research Documentation Using Latex and Data Analytics Using R Tool", at Mop Vaishnav College for Women, held on 2nd & 3rd February 2018.

Dr.C.Meenakshi and Mrs. S. Saranya have attended Workshop on" Data Security", at Nazareth College of Arts and Science, held on 9th February 2018.

All the faculty members of Computer Science department have attended Workshop on "Applications in Tamil Computing" at Tamil Virtual Academy, New Prince Shri Bhavani Arts and Science College, held on 19th February 2018.

Mrs. A. Sivarani, Mrs. P.Calista Bebe, and Dr.C.Meenakshi have attended Conference on "Opportunities & Challenges of Vibrant Management in Dynamic Global Environment" at Agurchand Manmull Jain College, held on 23rd February 2018.

Dr.V. Umadevi, Mrs.R. Sridevi, Dr.V.Nethaji, and Dr. P. Srivaramangai have attended Seminar on "Global Impact of Digital Empowerment" at Anna Adarsh College for Women, held on 27th February 2018.

Mrs. S. Meenakshi, Mrs. I. Poonkody and Mrs.V.Poornima have attended Workshop on "Data Analytics using R", at GYAN DATA PVT. LTD, held on 7th & 8th April 2018.

ACHIEVEMENTS OF STUDENTS

Students of our college have been actively participated in various intercollegiate technical, cultural and sports events and bagged prizes during 2017-2018.

M.Madhan, and M.Venkastesan from III CS have participated and won third prize in Quiz at Indian Red Cross Society, Chennai, held on 7th January 2018.

P.Sangeetha, R.Dhanalakshmi, M.Rekha and M.Venkatesan from III CS, III BCA have participated in Quiz at Gurunanak College, Chennai, held on 4th January 2018.

M.Kasthuri and B.Nandha Kumar from III BCA have participated in Debugging at Gurunanak College, Chennai, held on 4th January 2018.

A.Arunmathi, M.Prakash Raj, E.Nishanth and S.Lakshmi Bala from III BCA,III CS have participated in Paper Presentation at Gurunanak College, Chennai, held on 4th January 2018.

M.Madhan and M.Venkastesan from III CS have participated in Quiz at Thiruthangal Nadar College, Chennai, held on 2nd February 2018.

S.Manikandan and M.Prakash Raj from III BCA have won First Prize in Paper Presentation at Prince Shri Venkateshwara Arts and Science College, Chennai, held on 23rd February 2018.

A.Arunmathi and M.Kasthuri from III BCA have won First Prize in Paper Presentation at Rasi Engineering College, Chennai, held on 23rd February 2018.

M.Venkatesan from III CS has won First Prize in Surprise Event at Rasi Engineering College, Chennai, held on 23rd February 2018.

M.Rekha from III BCA has won Second Prize in Quiz at SRM Arts and Science College, Chennai, held on 28th February 2018.

P.Sangeetha, M.Kasthuri, A.Arunmathi, K.Meena, K.Kanmani and V.Monisha from III BCA have participated in Treasure Hunt at SRM Arts and Science College, Chennai, held on 28th February 2018.

R.Raghul from I BCA has won Third Prize in Paper Presentation at ARM College of Engineering & Technology, held on 3rd March 2018.

INTRA-DEPARTMENTAL COMPETITIONS

Intra-Departmental Competitions, Paper Presentation **"TECHNOSHARE'17"** and **Debugging "CODE-O-FIESTA'17"**, held on 5th August 2017.
Intra-Departmental Quiz **contest "CS - MASTER MINDS'17"**, held on 16th September 2017.

UNIVERSITY RANK HOLDERS

**Selva Sakthi S
(211402081)
BCA
April 2017
Rank 37**

**Preethika R
(211402066)
BCA
April 2017 Rank
56**

**Afreen Banu A
(221404910)
B.SC (CS)
April 2017
Rank 25**

**Vijayalakshmi M
(221404904)
B.SC(CS)
April2017
Rank 40**

**Kanagavalli R.G
(221404858)
B.SC (CS)
April 2017
Rank 65**

**Jenifer S
(221404856)
B.SC(CS)
April 2017
Rank 69**

**Tamilazhagi M
(221404899)
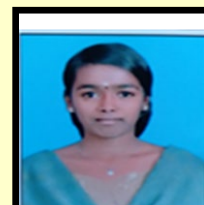B.SC(CS)
April 2017
Rank 69**

**Chitra Subashini
S
(221404842)
B.SC(CS)
April 2017**

**SubaShree V S
(831500113)
M.SC (CS)
April 2017
Rank 13**

**Sangeetha K
(831500112)
M.SC (CS)
April 2017
Rank 40**

**Lavanya.P
(831500107)
M.SC (CS)
April 2017
Rank 70**

**Baby Sudha J
(831500104)
M.SC(CS)
April 2017
Rank 36**

**Punitha S
(831500111)
M.SC (CS)
April 2017
Rank 42**

**Gayathri S G
(831500106)
M.SC (CS)
April 2017
Rank 57**

**Madhubala E
(831500108)
M.SC (CS)
April 2017
Rank 59**

**Merlin Sheeba M
(831500109)
M.SC (CS)
April 2017
Rank 60**

**Padmapriya.M
(831500110)
M.SC (CS)
April 2017
Rank 94**

PLACEMENT AND TRAINING

Training programs on language skills, programming skills and soft skills are offered to the students' right from the first year of their study so as to orient them towards final year placement. A residential pre-placement training program was also conducted for the final year students. Students were trained in quantitative aptitude, verbal aptitude and logical reasoning.