



TECH BYTES

DEPARTMENT OF CSE

DECEMBER 2017

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“Excellent start to the academic year:2017-18”

After accreditation by NBA for three years and accreditation of grade A+ by the NAAC committee last year, CMR Institute of Technology has been the first choice for the new engineering aspirants. As prime wing of this institution, Department of Computer science and Engineering continues to reach new heights in both academic and non academic activities.

With the commencement of the new academic year 2017-18, there were hundreds of new faces roaming around the corridor. As classes started, chitchats and introductions became second priority and earning knowledge became the first priority among the students.

Placement activities brought new energy in the final year students, and pre-final year students started counting the offers bagged by their seniors. Mini projects, seminars, workshops were the buzz words in the student community.

On the flip side, department staff skills continues to improve as faculty actively participated in FDP/Seminars. Online courses were add-on to match the current trend. It is an important asset for the department to have people with experience in research, industry and academics in such a good ratio.

Overall it was nice and blissful start for the academic year 2017-18. Find the placement data report, result analysis, students achievement, faculty development report and much more in this issue.

Highlights



(Events)



(Scholarships)



(Placements)



Dr. Sanjay Jain
(Principal)

Vision

“To be a centre of excellence in computer science and engineering education producing competent professionals for a successful global career contributing to the society”.

Mission

- To build a faculty team with industry and academic exposure, capable of moulding students into competent professionals, supported by adequate computing and software resources.
- To prepare the students for a global career in computing by enriching the curriculum with a blend of theory and practice.
- To develop industry relevant programming and soft skills through training programs, vibrant student clubs and student internships.
- To engage with industry and institutes of repute and collaborate in academics, research and development involving faculty and students.



Dr. B. Narasimha Murthy
(Vice Principal)

Message from HoD

“As the computer technocrats of CMRIT, we focus on designing and implementation of solutions for real world problems. From academics to co-curricular activities, determination and a never-say-die spirit are embedded in the heart of every student not only making them brilliant students but good human beings. We are creating an environment for research, entrepreneurs and professional who possess skills and aptitudes in an array of functional disciplines.

I am very happy with the progress the department has made by imbuing in its students value based education synergized with modern teaching learning methods to produce a generation of well informed and emotionally sound. I am positive that in times to come we will continue this journey with elevated enthusiasm and persistently provide a platform of holistic learning to the young generation of learners. I expect all my young technocrats to focus on their cherished goals and strive hard to accomplish them transcending mediocrity and procrastination.”



Dr. Jhansi Rani P.
Dept of CSE

Message from Program Coordinator



Mrs. Swathi Y
Dept of CSE

“It is my pleasure to bring out the update information of the department for the last one year through this department newsletter to you. This endeavour is the result of the efforts put in by a dedicated team of students and teachers. The newsletter offers a platform for showcasing our activities and sharing the journey of our department. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries and expert talk. We provide opportunities for students to participate in various technical and sports events and competitions. This newsletter is an attempt to highlight the achievements of the department we have showcased the best and look forward to have more in the future.”

Technical Events

Google event- Mobile Developers Fest (27/10/2017)

A day-long Mobile Developers Fest to train young students in the latest mobile technologies. The day-long fest gave the Engineering students insights across multiple product areas like Machine Learning, Firebase, Android and Progressive Web Apps. Students also participated in hands-on code labs sessions. The trainers of these sessions were Google certified developers. The event also provided an opportunity for students to become part of Google Developer Student Clubs and University Innovation Fellows. Attendance ticked over 350 for the event. Students and Faculties of Dept. of CSE actively participated in the event and helped in smooth conduction of the event.



Speakers:

- William Florence (University Relations - Developer Products Group, Google)
- Rafael Guetta
- Lalit Singh Manral
- Amrit Sanjeev
- Vandana Jaiswal
- Mathang
- Kunal Chauhan (Associate Android Developer)
- Ashok Kumar (Android Nanodegree Graduate)
- Christy Anoop (Google Developer Student Club, CMRIT)
- Priyanka (University Student Fellow, CMRIT)
- Asher John Satya (University Student Fellow, CMRIT)



ACE Club Events

The Association of Computer Engineers (ACE) of CMRIT aims for a platform to bring out the technical and cultural talents of the students of the department. The Computer Science department has conducted a number of seminars about the recent trends in Computer Science and Engineering by eminent personalities in this field.

Goal:

ACE focuses to recognize the students achievements and to motivate other students in their academics also provide platform for awareness on the latest developments related to Computer science and Engineering.



Event: Seminar on Basics of android and python
Date : 21-09-2017
Speakers: Dr. Paras Nath Singh, Dr.Prem Kumar Ramesh, Prof. Sudhakar K N and Darshan M. (student)



Event: Workshop on Web Virtual Reality (WebVR)
Date : 24-09-2017
Resource persons: Abhiram Ravikumar (Full Stack Web Developer, SAP Labs) and Rutuja Surve (Software Engineer, Infoworks)



Event: Coding contest event (Using Hacker earth platform)
Date:25-10-2017



Event: Machine learning workshop
Date: 01-11-2017

Guest Lectures/Talks

Guest lecture on “virtualization and cloud computing” by-Ashish Raghuvanshi, Senior software engineer(HP). The objective of this guest lecture was to adhere and equip knowledge on virtualization and cloud computing. 106 students attended this event.

19-08-2017



Seminar on (Dept. of CSE and Dept. of ISE) " Indian and international education” by P.N Santosh and Mr. Amith Ravindra, Byju’s classes. Topics covered were importance of higher education and career planning . 104 students attended this event.

28-08-2017



Session on “An overview of IT world for current final years (CSE)” by Sairam (Alumni). Topics covered were focused on current trends and placements. Around 70 final year students attended this event.

13-09-2017



Seminar on "Challenges and Current trends in IT industry" by Mr.Brijesh (Alumni), working at Dell. The KeyNotes given by him were:
-Innovation –Marketin -IT-Companies-Leadership .
Around 200 students attended this event.

28-09-2017



Technical talks on “Empowering Women”. Event organized by Google Developer student club, University Innovation fellows and women Techmakers. Around 50 students attended this event.

09-12-2017



Student Achievements

Priyanka Srivastava selected as a Google scholar and invited to attend the world's largest Tech event -2017 Grace Hopper Celebration of Women in Computing and Technology in Orlando, Florida, USA. A total of 3 students from India were provided this opportunity by Google.

This Google grant included

- Conference registration,
- Round trip flight to Orlando, Florida
- Reimbursement for ground -transportation to and from the airport and the hotel
- Arranged hotel accommodations from 3rd October 2017 to 7th October 2017
- A fun event specifically for travel grant recipients on one of the evenings of the conference

She was also a participant in Microsoft Student Partner (MSP) program for 2017-2018.



Grace Hopper Celebration India, Bengaluru. (16th to 17th November 2017)

Second year students Aishwarya M. and Suchitra I.M. received full scholarship for participating in the event. This scholarship included,

- Registration fee (Rs 7500/-)
- Two nights stay at Taj Vivanta
- Meals and travel

It also provided an opportunity for the students to network with “Who’s who” in Computing domain, participate hands on coding labs and competitions, career fair and can obtain internships. Along with scholarship winners, third year students Priyanka Srivastava, Manogna M, Nikitha M. and Fourth year student Irene Susan Julius participated in the event.



Fourth year student Akarsh R. won cash prize of \$200 for the 2017 APL Programming Contest Phase-II. He has won \$100 in the same phase-I competition 2016.



A team of students Rajath Agarwal, Ron Paul Jackson, Kushal, Varun Sainal and Md. Nihal built CMRIT Explorer App.



Sports

- Sofia Maria Augustine won VTU Bangalore central zone badminton tournament at BMSCE college, Bengaluru.
- Christopher alexander won second place at VTU Bangalore Central Zone Badminton tournament at BMSCE college, Bengaluru.
- CMRIT women's badminton team secured first place in Bangalore Central zone tournament, and also men's badminton team secured second place in the same tournament. Dept. of CSE students were part of these teams,.



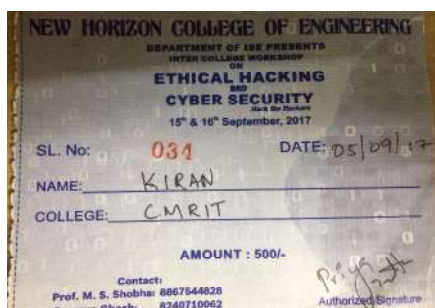
Cultural

- 3rd year students Niharika Gupta, Sowmya shree S were part of CMRIT fashion team which participated in the east zone round of the Deccan Herald Fashion Show held on 19th of August at CMR Law College. CMRIT team entered finals and secured 5th place.
- Soumya basappa devari and Sashwathi won 3rd place at Rasamanjari event of Kannada Rajyotsava.
- Team of CMRIT including CSE students Pratith Shetty, Neelakanta and Nidhi won first place at Maaya'17, PESIT for the event mad ads.

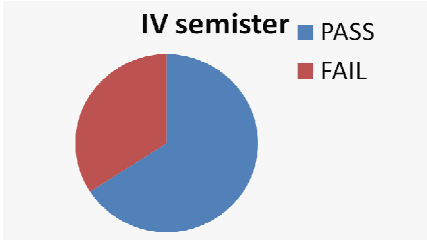
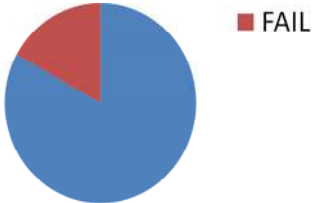
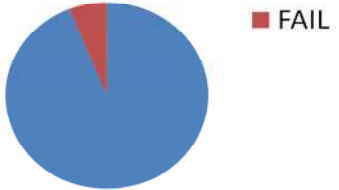



Workshops Attended

- Kiran S. M. attended inter-college workshop on ethical hacking and cyber security at new horizon college of engineering, Bengaluru.
- Neha rani singh participated in Hands-on workshop on Aurdino, CMRIT
- Karthik S.K. and Darshan M Participated in "Code ignitor 2017" at GSSIT, Mysore.



More than twenty students along with Prof. Shyamasree Ghosh actively involved in Swachh Bharat Mission Event under Swachh Bharat Mission.

Result Analysis		
Semester	Passing %	
IV	65.84	
VI	83%	
VIII	94%	

Centum Achievers	
Ramyashree N and Dolly Bagaria scored 100% marks in Engineering Maths IV	

CMR Jnanadhara Trust Founder's day Scholarships	
Suchitra I.M	III
Sagar S.	III
Netravati A.S.	III
Dikshith.K	III
Piyush Kumar	V
Ramyashree N.	V
Keerthana P.N	V
Divya H.G	V
Shamala.C	V
Ponnaganti Manendra	VII
Samata R.	VII
Ramya R.	VII
Sandhyarani	VII
Deepa Kulkarni	VII



CMR Leadership Award
Pratith Sheetty

Huawei Scholarships
Shilpa H.V. and Priyanka Srivastava



Faculty Development

Seminars /FDP/ FTP Attended

Prof. Sagarika Behera participated in Content Guru event of Inspire Faculty Excellence Awards 2017- DC Finals September 2017, Infosys, Bangalore



Prof. Shivaraj V,B and Prof. Kartheek G.C.R. attended 5 day FDP program on Android Application Development by Google



Online Courses/Certifications

INTRODUCTION TO MODERN APPLICATION DEVELOPMENT CERTIFICATE OF COMPLETION

This is to certify that

Swathi.Y

has completed the July 2017 edition of Introduction to Modern Application Development offered by IIT Madras and Hasura and has successfully cleared the online examination.



TANMAJ GOPAL
(CTO, HASURA)



DR GAURAV RAJMA
(FACULTY, IIT MADRAS)



INTRODUCTION TO MODERN APPLICATION DEVELOPMENT CERTIFICATE OF COMPLETION

This is to certify that

Sudhakar K N

has completed the July 2017 edition of Introduction to Modern Application Development offered by IIT Madras and Hasura and has successfully cleared the online examination.



TANMAJ GOPAL
(CTO, HASURA)



DR GAURAV RAJMA
(FACULTY, IIT MADRAS)

Prof Swathi Y., Prof. Sudhakar K.N., and Prof. Ravikanth Pandey completed Online course on “Introduction to Modern Application Development” By IIT-Madras.

Prof. Daminderjit Sunner qualified in IELTS exam by British Council



Long Time Service Awards



Prof. Sudhakar K.N for completing 10 years



Prof. Savitha S. and Prof. Shanthi M.B for completing 5 years



Paper publications

Dr. Jhansi Rani P.

Keyed Hash Function using Bernoulli Shift Map, International Journal of Information and Computer Security, Vol-9, Issue-3, pp 250-270, June 2017.

Predictive Visual Analysis of Twitter Big Data Originated from Cloud using Machine Learning Algorithms, IEEE International Conference on Cloud Computing for Emerging Markets, Nov 2017



Dr. Paras Nath Singh

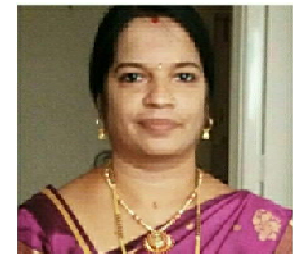
Swetha Gadde, Dr. Paras Nath Singh, "Enhance Data Security Protection for Data Sharing in Cloud Storage System", November 17 Volume 3 Issue 11, International Journal on Future Revolution in Computer Science & Communication, Engineering (IJFRSCE), PP: 447 – 450. (UGC Approved Journal)



Prof. Shanthi M.B.

"HQR Framework optimization for predicting patient treatment time in big data", IDL - International Digital Library Of Technology & Research Volume 1, Issue 6, June 2017

"Energy efficient Data aggregation using Mobile Sink in the presence of Void Regions", eISSN:2321-225X, pISSN: 2321-2241



Prof. Kiran Babu T S

"Detection of similar packets in dutycycled WSN", International Journal for Research in Applied Science and Engineering Technology. Volume 5 Issue VI (July 2017).



Prof. Sagarika Behera

"Extenuate the DOS attacks in OLSR protocol using Novel trust Management method", IJEDR, Vol 5, July 2017, ISSN:2321-9939 2.

"Efficient Revocation of Data Access in Cloud storage based on ABE-scheme", IJRST, Vol 4, Issue 6, November 2017, ISSN 2349-6010



Prof. Swathi Y.

"Remote Patient Care Monitoring System for Rural Healthcare", IEEE International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017.







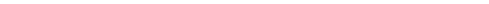
"Web Oriented FIM for Large Scale Dataset using Hadoop", IEEE International Conference on Smart Technologies for Smart Nation (SmartTechCon 2017)



Dr. Jhansi Rani P. was speaker at "Flash Talk: IEEE International Conference on Cloud Computing for Emerging Markets, Nov 2017"

Dr. Paras Nath Singh is invited speaker of speaker of Indian science congress - 2018

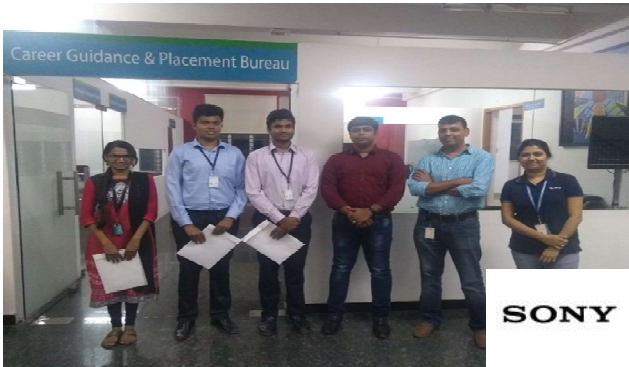
Campus Connect –2017

<p>Dept. of CSE staff were appreciated by Infosys in Campus Connect-2017 event. Partnership level and the faculty details are given below.</p>		
Prof. Swathi.Y	Silver	
Prof. Sagarika Behera	Silver	
Prof. Sudhakar K.N	Bronze	
Prof. Kiran Babu T.S	Bronze	
Prof. Madhuri M	Bronze	
Prof. Poornima H.N	Bronze	
Prof. Kartheek G C R	Bronze	



Placements

Congratulations for the students recruited for various companies during academic year 2017-18.
Company-wise details are given below.



1 student recruited for Sony



5 Students recruited for SAP Labs.



8 Students recruited for Simeio Solutions



6 Students recruited for IBM



4 Students recruited for Global Logic



13 Students recruited for MindTree



7 Students recruited for Deloitte



1 Student recruited for vmware

Placements



38 Students recruited for
LTI



**Hewlett Packard
Enterprise**

2 Students recruited for
HPE



3 Students recruited for
DeltaX



1 Student recruited for Jus-
pay

MICROLAND®

2 Students recruited for Micro-
land



13 Students recruited for
Ellucian

Surya

2 Student recruited for
Surya Software

Capgemini

5 Students recruited for Capgemini



1 Student recruited for 6th
Energy



2016-17 batch passed out student Smruthi Jain got placed in Microsoft [Off- campus] with the package of 7.2 LPA.



2016-17 batch passed out student Ronak Jain got placed in JUSPAY [On- campus] with the package of 18 LPA + Incentives.

Internships



4 Students recruited as interns for EY



1 Student recruited as intern for vmware



1 Student recruited as intern for ABB



7 Students recruited as interns for Hitachi



4 Students recruited as interns for Samplesoft

Alumni Messages

The department has always been encouraging to work on projects and co-curriculars as much as academics. It helps in gaining experience at the field along with skills like management and teamwork. My interaction with both faculty and peers made me want to gain deeper understanding of our field.

-Vamsi Sai T., Product Engineer, DeltaX



It gives me great pleasure to say with pride that I have completed my graduation from CMRIT. The relationship between faculty and student is very cordial which gave me an opportunity to excel my skills. The four years spent here were splendid and has helped me to grow better professionally & personally. I would like to thank all the faculties and staff for making me a Better Person.

-Maneesh Kumar, System Developer Associate, Accenture



Alumni Meet

Dept. of CSE and Dept. of ISE jointly conducted Alumni Meet on 07/10/2017. Invitations were sent to all the passed out students as a token of warm welcome. Around 90 students from passed out batches attended and shared their feedback .

Its great to be in touch with the place where you laid the foundation to your dreams

Alumni meet is just that. Mark your calendar.

Spread the word.....

Department of CSE

cordially invites

you to attend

Alumni meet

2017

CMR

When: 07 Oct 2017
Where: CMRIT, Bangalore

Agenda :

- Welcome Speech
- Address by HoD
- Alumni support and Student Interaction
- Valedictory
- Lunch



During interaction with the juniors batches alumni's talked about industry standards. Also mentioned about the level of preparation needed by the students. The Session was very interactive as faculties were also present along with the students.



This news letter is edited by Prof. Kartheek G.C.R and Prof. Chinmay S. Bhat under the guidance of Prof. Swathi Y. We thank everyone who helped us.



CMR Group of Institutions

UNIVERSITY

School of Architecture
School of Economics and Commerce
School of Engineering and Technology
School of Management
School of Media Studies
School of Media and Technology
School of Research and Innovation
School of Social Sciences & Humanities

COLLEGES

CMR Centre for Business Studies
CMR Law School
CMR Life Skills Institute
CMR Institute of Management Studies (Autonomous)
CMR Institute of Technology

SCHOOLS

CMR National Public School, HBR Layout
CMR National Public School, OMBR Layout
CMR High School
CMR National PU College, HRBR Layout
CMR National PU College, ITPL
Ekya School, ITPL
Ekya School, JP Nagar
Ekya School, Kanakapura Road
Ekya School, BTM Layout
NPS International, Singapore

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