CSI Newsletter
Volume - 1, 2015
Visakhapatnam

I would like to congratulate the team CSI for implementing the idea of newsletter. I feel it’s a great platform for the students as well as the department to showcase their mettle and ideas. CSI ANITS has always been in the forefront in this region and I’m sure sky is the limit for you all. I wish you all the best and keep the focus and keep innovating.

Sri V. Thapovardhan
Secretary & Correspondent (ANITS)

“The journey of a thousand miles begins with one step at a time.”

Chief Patron

Sri V. Thapovardhan
Secretary & Correspondent

Patron

Prof. V. S. R. K. Prasad
Principal (ANITS)
I am glad to hear that ANITS CSI Student branch has come forward with the idea of Newsletter. I think it’s a great achievement and appreciate this initiation. This shows our students’ enthusiasm and activeness in co-curricular activities of our college. Adding to it, I am also very pleased to see the hard work put in by the CSI Student branch and taking crucial part in improving the skills of students by conducting useful workshops, conventions, conferences etc. I congratulate all the faculty members and students on this memorable achievement.

I hope this step would lead to thousand steps further.

Keep up the same spirit and all the very best!

Dr. N.B.R. Prasad
Chairman (ANITS)
I am happy to know that the CSI student branch of ANITS is planning to bring out ANITS CSI newsletter. Launching of this newsletter on the occasion of 50th CSI Foundation day celebrations though co-incidence is a timely one benefiting the occasion.

I'm sure the way the students of CSE are working out for the various programs of CSI student branch is commendable. It is well proved by various achievements like award of best student chapter for the 4th consecutive time in the region-5 consisting of three states Andhra Pradesh, Telangana, Karnataka. It’s not a small achievement to secure the best chapter award four times. The HOD, faculty involved and all the students are to be specially appreciated for this unique achievement. I also understand few other prizes were also awarded in connection with CSI. I appreciate all for taking part in various activities under CSI.

I wish that this success in organizing the various fruitful and eventful programs and also achieving similar awards should continue in future also. I wish each and everyone involved in this CSI student chapter ALL THE BEST.

Prof. V.S.R.K.PRASAD
PRINCIPAL (ANITS)
I congratulate the whole student body to have come up with a great implementation of an innovative idea of starting a newsletter of our own. On the lines of great organizations, a newsletter is the perfect platform to highlight our achievements and other interesting articles to the technical community. ANITS CSI Branch has been setting a benchmark in this region for last 5 years and I’m sure this will just take us a bit further. I extend my full support like always and am confident that you will keep the tradition going. I also thank the college management for its constant support in all the activities we have conducted; our beloved secretary Sri V. Thapovardhan has been strong support in all our endeavors.

For us Success is not a destination, it’s a journey.

WISHING YOU THE BEST OF LUCK AND ALL SUCCESS

Dr. S.C. SATAPATHY
Head of the Department, Dept. of CSE

Few words About us...

Anil Neerukonda Institute of Technology and Sciences (Autonomous), was established in the Academic Year 2001-02 with the approval of the All India Council for Technology Education (AICTE), New Delhi and the Government of Andhra Pradesh and is affiliated to Andhra University(AU), Visakhapatnam. It received the Autonomous status in the year 2015.
The CSI student branch was formed in the year 2007 and it never turned back with its activities. The starting year i.e., 2007 was filled considerably with a few workshops and lectures. It kick started with a TGMC orientation program on the 23rd of May 2009 and then a workshop on MATLAB conducted by Prof. S. Dehuri from the 18th of September 2009 to the 20th September 2009 followed by a workshop on GA on the same days. This has been our first stepping stone to success. We also had many guest lectures in the month of August and September of the year 2009.

The following years were also fruitful. On 6th September 2010 we had a robotic workshop and also a workshop on advanced networking using QUALNET on 16th September 2010. We had a QUALNET Simulator and Installation case studies training on 12th August 2011. From the 4th of December 2011 to 6th of December 2011 we conducted a workshop on usage of NS 2 for cutting edge research on computer networks. In 2011 we had other trainings and workshops on topics like cloud computing.

Talk on Cloud computing by S Ratan Kumar, Associate Professor, CSE, ANITS, on the occasion of CSI foundation Day i.e., 6th March 2013. Hands-on Training on Networking using CISCO router and windows 2008 server by Cloud Networks Pvt. Ltd., ANITS CSI Student branch conducted Guest Lectures.

A Faculty Development Programme on “Understanding Research” was conducted by the depts. of CSE and IT under the CSI Student Branch, ANITS. The topic was delivered by Proff. B. Majhi, Dept. of CSE, NIT, Rourkela.

A guest lecture was conducted on Meta Heuristic Optimization and its Applications by Dr. Swagatam Das, Indian Statistical Institute, Kolkata on 26-02-2013 under CSI Student Branch. His lecture mainly focused on Optimization techniques like Particle Swarm Optimization, Ant Colony Optimization and its applications in all engineering branches like Computers, Bio-Informatics, Mechanical etc.,
D. Srinivas, alumni of Department of CSE, ANITS and an upcoming entrepreneur addressed a gathering of 3rd year students of CSE regarding the topic ‘Converting our Research Idea into a Business Model” conducted under CSI on Feb 17th, 2014. A faculty development programme on “Understanding Research” was been conducted by the Depts of CSE and IT under the aegis of CSI student branch, ANITS.

A Three day workshop on Soft Computing and its Engineering Applications was organized by the ANITS CSI Student Branch on the eve of 49th CSI foundation Day celebrations from March 7th to 9th, 2014. This workshop was conducted by Dr. Siba Kumar Udgata, Associate Professor, School of computer and information sciences, University of Hyderabad, Hyderabad, and Dr S C Satapathy, Professor, HoD of Dept. of CSE, ANITS. A theoretical and practical oriented training was given to the participants.

ANITS CSI Student Branch has conducted a Coding Contest (C Programming) in three levels on 5th, 12th and 19th of July, 2014. This event was mainly conducted to find and encourage talented students to participate in several coding contests which are conducted nationally and internationally.

In the wake of 49th CSI Foundation Day Celebrations ANITS CSI Student Branch conducted an internal paper presentation contest with an active participation of all the CSI student members of ANITS.

ANITS CSI Student Branch has organized a Memorial lecture in memory of late P Srinivasthu who was an Associate Professor in the Department of CSE, ANITS on 6th of November, 2014 on the occasion of his birthday. Lecture on “Introduction to Data Mining” was given by Dr S C Satapathy, HOD.
TCS Code-Vita 2014 Preliminary round at ANITS was conducted under Supervision of S Ratan Kumar, Associate Professor, CSE, ANITS. Guest Lecture on Theory of Computability was delivered by Dr. Prasad Jayanthi, Professor, Dept of CSE, DarshiMouth College, USA on August, 1st, 2014.

A Workshop on “How to publish a research paper” was conducted by Mrs. P Pritee, Assistant Professor, Dept. of CSE, ANITS on 27th of Dec, 2014. The motto of this workshop is to help the young researchers to have an insight in publishing a successful research paper in a renowned journal. A 3 day Workshop on Web Design and Development had been organized by ANITS CSI Student Branch from 19th to 21st of December, 2014.

This workshop was conducted by V Srinivas Raju, Assistant Professor, Dept of CSE to enable the students and even the faculty to become familiar with web design and development.

Cursors 2k15 organized by the Department of Computer Science and Engineering in association with ANITS CSI Student branch was Inaugurated on 23rd of Jan, 2015. This two day tech-fest was inaugurated by Dr Atul Negi, Professor, University of Hyderabad who was invited as a chief guest to this function. This two day fest CURSORS2k15 was mainly planned to bring up the innovation in the students and provide them a platform to exhibit their innovativeness and creativity. The following events like coding contest, paper presentation, project-expo, idea exchange etc; were conducted to encourage students to think different and update themselves in the future technologies.

A two day workshop on Robotics was conducted on 18th & 19th September, 2015 by the CSI Student Branch, ANITS. This workshop was conducted by EDUROBO Company and was to open to students of all branches of ANITS.
The Years of Achievement.

Computer Society of India (CSI) has been instrumental in guiding the Indian IT industry down the right path since its formative years. Today, the CSI has 70 chapters all over India, 418 student branches and more than 90,000 members including India’s most famous IT industry leaders, brilliant scientists and dedicated academicians.

The CSI student branch of the ANITS was established in 2007. It has bagged the best student branch 4 times and in which it won it 3 consecutive times.

Best Branch for the year 2009-2010
The Years of Achievement.

ANITS CSI Student Branch Winning the Best Student Branch Award Three Consecutive Times

Our Strength & Inspiration...

Dr. Suresh Chandra Satapathy, HOD, Department of Computer Science has been elected as the Chairman, Division-V (Education & Research), CSI at the National Level Elections. He will serve in this capacity for 2 years from 2015-2017, making this one of the most memorable achievements of the current year.
Spotlight on Techy Ideas... by Students

APPLICATIONS OF CLOUD COMPUTING TO AGRICULTURE AND PROSPECTES IN OTHERFIELDS-

Most of the information technology (IT) systems currently used by Japanese farmers are used for duties such as filing tax records and traceability records to meet the requirements of non-farmers in the government and distribution industry. We focused on introducing the latest technologies such as sensors, wireless networks and Cloud computing to radically revise approaches to agriculture and conduct business feasibility studies to establish a hypothetical model of Cloud services that make a genuine contribution to agriculture. We have conducted demonstration tests with the cooperation of two Japanese farming corporations. This hypothetical model has much in common with on-site operations such as medical/nursing care and maintenance besides agriculture, so we are working to develop it across a broad range of fields. On the basis of the knowledge acquired through actual agricultural operations and subsequent analysis, we describe the affinity between agriculture and Cloud computing and discuss how the technologies used in the demonstration test can be applied to other fields.

– M.Harika, M.Supriya, M.Mounika, K.Spandana

ED TOOL –

While saving the data in the cloud the information sent to it is encoded and while receiving the Data it decodes it using the Elgamal decryption technique. But the security issue is that when the file is sent to the cloud, public key should be sent along with the file where there is a fair chance of hacking. A disadvantage of Elgamal encryption is that there is message expansion by a factor of 2. That is, the cipher text is twice as long as the corresponding plaintext. This has been overcome in our solution by transferring small part of encryption algorithm to decryption and also we modified this algorithm by providing the user to give the private key rather than taking the random number which is for user convenience. Therefore, the responsibility lies on the user to secure the password (private key) as we are not sending the private key along with the file.

– P.Manasa, S.Vani Mounika, Ch.Manasa, Anees Ahmed

Cloud computing for Non-profit Organizations –

The proposed project by us is to create educational materials on cloud computing for Nonprofit organizations in Indiana. Due to a limited budget, small nonprofit organizations usually do not have in-house information technology (IT) expertise. Computers are used in a very basic fashion, and technology usually receives little attention. Someone who is more familiar with computers becomes the go-to person for all computer problems in the organization. Due to the lack of in-house technology expertise, there is little help in using technology to reach the organization’s full potential. Nonprofit organizations address the needs of the community but the technical needs of nonprofit organizations are not addressed. This is where Ball State students’ contributions may make a difference.

– K.Spandana, M.Mounika, K.Anusha

FAKTS

- There’s an estimated 1 Exabyte of data stored in the cloud (1 Billion Gigabytes).
- It would take 1,000,000 human brains to store all of the information that can be found on the internet.
- Approximately 6,000 new computer viruses are released every month.
- The first hard drive was introduced by Seagate in 1979 and held a capacity of 5MB of data.
ANITS CSI student Branch was formed in 2007 and is largely organized by Student Executive body consisting of Elected CSI student Members for different posts like, President, Vice President, Secretary, Treasurer etc. and Coordinated by one faculty member (Student Branch Counselor). Ashritha Santoshi who was a member of Executive body of ANITS CSI Student branch had been awarded the "Best student Activist" award for the year 2012-13. There are around 320+ student members and every year around 90 new student memberships are applied. ANITS CSI student Branch is an active branch in region V (which includes 3 states of Andhra Pradesh, Telangana and Karnataka) and organizes Tech fests, Expert lectures (delivered by internal and externals experts), Guest Lectures (delivered by renowned Prof of IITs and NITs, occasionally by the professors outside India) every year for the benefit of students and this is evident as ANITS CSI student branch was awarded the Best Student Branch for the 4th time and 3 times consecutively awarded (in the years 2009-10, 2011-12, 2012-13 and 2013-14) in Region V (Includes 3 states Andhra, Telangana, Karnataka). Dr S.C. Satapathy, Head of Department of CSE, is the present chairman of Division V (Education and Research) National Level.
**OUR CSI EXECUTIVE BODY**

**CO-ORDINATOR:**  
M. Kranthi Kiran, Asst. Professor,  
Dept. of Computer Science & Engineering, ANITS

**STUDENT BODY:**

<table>
<thead>
<tr>
<th>S. Vani Mounika - President</th>
<th>Ch. Manasa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y. Sai Sindhu - Vice President</td>
<td>B. Bhavya</td>
</tr>
<tr>
<td>V.V.D.L. Tejaswi - Secretary</td>
<td>N. Goutham</td>
</tr>
<tr>
<td>K.P. Aditya - Joint Secretary</td>
<td>Akanksha Verma</td>
</tr>
<tr>
<td>J. V. Ravindra - Chairman (Activities)</td>
<td>T.L. Tanuja</td>
</tr>
<tr>
<td>M. Supriya - Vice-Chairman (Activities)</td>
<td>M. Sushmita</td>
</tr>
<tr>
<td>B. Yashwanth Raj - Treasurer</td>
<td>Md. Farooq Ahamed</td>
</tr>
<tr>
<td>A. Vasanthi - Joint Treasurer</td>
<td>B. Arun</td>
</tr>
<tr>
<td>S.U.L. Rohith</td>
<td>D. Lalit Prasanth</td>
</tr>
<tr>
<td>Priscilla Roy</td>
<td>G. Jayadev</td>
</tr>
</tbody>
</table>

**DISCLAIMER**

The information given in this newsletter is true to the best of the knowledge of the editorial board and cannot be used for any legal purposes. The items contained herein are published as submitted and are provided for general information purpose only. This information is not an advice. All rights are reserved.

Anil Neerukonda Institute of Technology & Sciences (Autonomous),  
Sangivalasa - 531162, Bheemunipatnam, Visakhapatnam