SCUD ARSENAL

Volume 6
Issue 1

DEPARTMENT CSE NEWS LETTER

SriVasaviEngineeringCollege
Tadepalligudem

Contents

Student Coordinators:

G.Sai Krishna Prasad(12-514)

V.L Mounika(12-560)

A.Jhansi Lakshmi(12-561)

T.Satish(12-5B0)

S.SeshaReddy(13-547)

Y.Gayathri(13-560)

D.Rajesh(13-572)

Sumeena Jain(13-5F2)

Hexaware Technologies

Hexaware Technologies Limited (HTL) is an information technology and business process outsourcing service provider company based in Navi Mumbai, India. Founded in 1990.

The company's core activity spans development support, integration, implementation and testing services across all major enterprise software systems such as PeopleSoft, Workday, Oracle, SAP and Microsoft.The company provides software services in airlines, banking and financial services, health care & insurance sectors.The company is currently assessed as a CMMI level 5 company and since 2005, NASSCOM has ranked Hexaware in the list of top 20 Hexaware has thirty five offices worldwide and eight development centres in New Jersey, Mexico, Mumbai, Chennai, Pune and Bengaluru. Current employee strength is above 9000 with over 219 clients. After starting facilities in Chennai,the company started its third development center in Pune in 2006.In a separate survey of 2006, it was rated the sixth Best IT Employers from India.Hexaware derives ~65% of revenues from the US and ~27% revenues from Europe.Hexaware currently has a client base of over 219 organizations over 50 Fortune 500 companies. After starting facilities in Chennai,the company started its third development center in Pune in 2006. In a separate survey of 2006, it was rated the sixth Best IT Employers from India.Hexaware recently won the prestigious 'Golden Peacock Award for Excellence in Corporate Governance" for the year 2015.

Founder: Atul Chandra Nisar
Net income:2856.03 million
Total No of Employees:11000+
Services: Information technology &Business Process Outsourcing

Hexaware TECHNOLOGIES

K.SUDHA (13A81A0538)

computer science

Common Intermediate Language

Common Intermediate Language formerly called Microsoft Intermediate Language or MSIL is the lowest-level human-readable programming language defined by the Common Language Infrastructure (CLI) specification and is used by the .NET Framework and Mono. Languages which target a CLI-compatible runtime environment compile to CIL, which is assembled into an object code that has a bytecode-style format. CIL is an object-oriented assembly language, and is entirely stack-based. Its bytecode is translated into native code or most commonly executed by a virtual machine.

During compilation of CLI programming languages, the source code is translated into CIL code rather than into platform- or processor-specific object code. CIL is a CPU- and platform-independent instruction set that can be executed in any environment supporting the Common Language Infrastructure,such as the .NET runtime on Windows, or the cross-platform Mono runtime. In theory, this eliminates the need to distribute different executable files for different platforms and CPU types. CIL code is verified for safety during runtime, providing better security and reliability than natively compiled executable files.

The execution process looks like this:

1)Source code is converted to CIL i.e. Common Intermediate Language, which is the CLI's equivalent to assembly language for a CPU.

2)CIL is then assembled into a form of so-called bytecode and a CLI assembly is created.

3)Upon execution of a CLI assembly, its code is passed through the runtime's JIT compiler to generate native code. Ahead-of-time compilation may also be used, which eliminates this step, but at the cost of executable-file portability.

4) The computer's processor executes the native code.

---S.SESHA REDDY(13-547)

WHITESPACE TECHNOLOGY

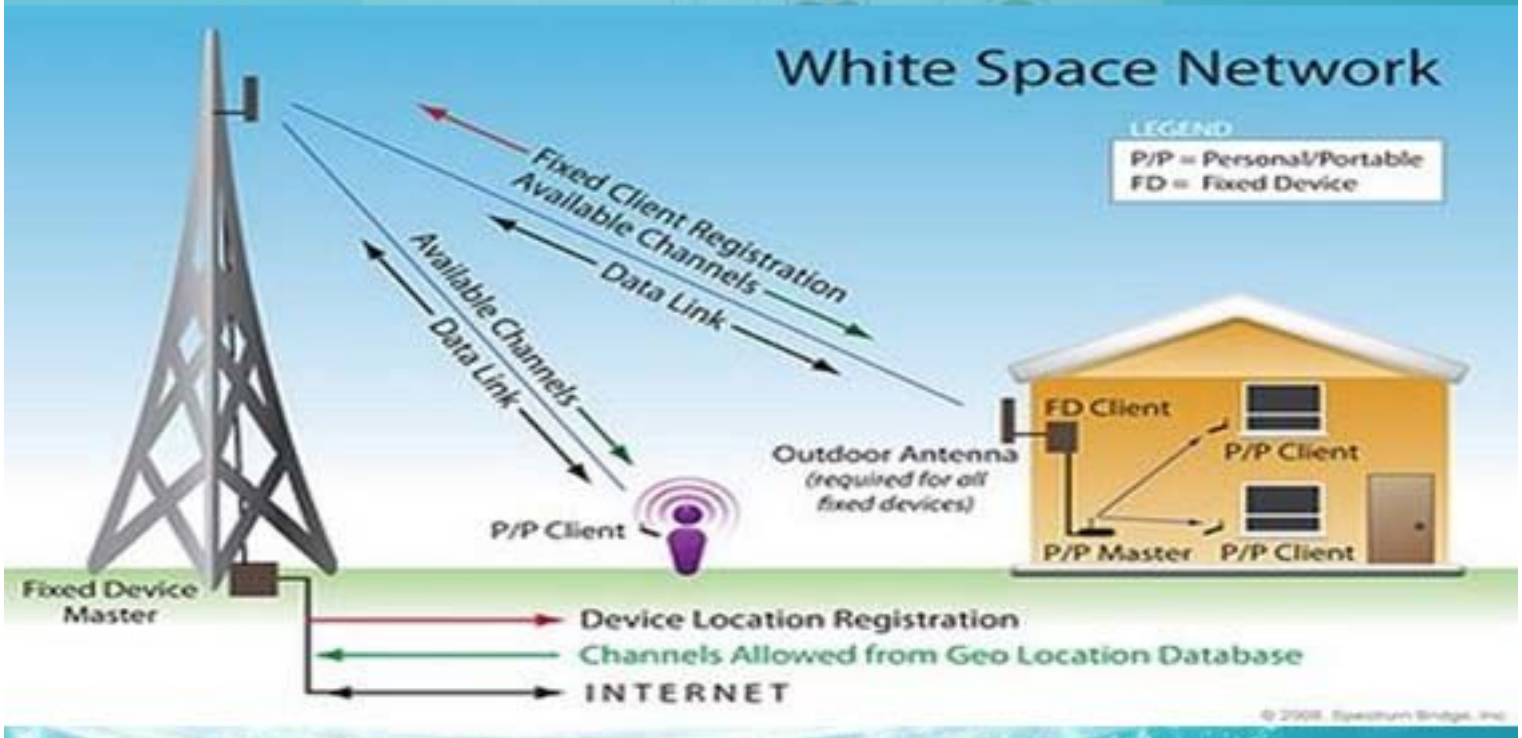
National and international bodies assign different frequencies for specific uses, and in most cases license the rights to broadcast over these frequencies. This frequency allocation process creates a bandplan, which for technical reasons assigns white space between used radio bands or channels to avoid interference. In this case, while the frequencies are unused, they have been specifically assigned for a purpose, such as a guard band. Most commonly however, these white spaces exist naturally between used channels, since assigning nearby transmissions to immediately adjacent channels will cause destructive interference to both. In addition to white space assigned for technical reasons, there is also unused radio spectrum which has either never been used, or is becoming free as a result of technical changes. In particular, the switchover to digital television frees up large areas between about 50 MHz and 700 MHz.

This is because digital transmissions can be packed into adjacent channels, while analog ones cannot. This means that the band can be "compressed" into fewer channels, while still allowing for more transmissions.

In the United States, the abandoned television frequencies are primarily in the upper UHF "700-megahertz" band, covering TV channels 52 to 69 (698 to 806 MHz). U.S. television and its white spaces will continue to exist in UHF frequencies, as well as VHF frequencies for which mobile users and white-space devices require larger antennas. In the rest of the world, the abandoned television channels are VHF, and the resulting large VHF white spaces are being reallocated for the worldwide (except the U.S.) digital radio standard DAB and DAB+, and DMB

Various proposals, including IEEE 802.11af, IEEE 802.22and those from the White Spaces Coalition, have advocated using white spaces left by the termination of analog TV to provide wireless broadband Internet access. A device intended to use these available channels is a "white-spaces device" (WSD). Such devices are designed to detect the presence of existing but unused areas of airwaves, such as those reserved for analog television, and utilize these unused airwaves to transmit signals for Internet connectivity. Such technology is predicted to improve the availability of broadband Internet and Wi-Fi in rural areas

Early ideas proposed including GNSS receivers and programming each WSD with a database of all TV stations in an area, however this would not have avoided other non-stationary or unlicensed users in the area, or any stations licensed or altered after the device was made. Additionally, these efforts may impact wireless microphones, medical telemetry, and other technologies that have historically relied on these open frequencies



---A.SAI PRIYANKA(13A81A05C2)

computer science

Gradle is an open source build automation system that builds upon the concepts of Apache Ant and Apache Maven and introduces a Groovy-based domain-specific language (DSL) instead of the XML form used by Apache Maven of declaring the project configuration. Gradle uses a directed acyclic graph ("DAG") to determine the order in which tasks can be run.

Gradle was designed for multi-project builds which can grow to be quite large, and supports incremental builds by intelligently determining which parts of the build tree are up-to-date, so that any task dependent upon those parts will not need to be re-executed.The initial plugins are primarily focused around Java, Groovy and Scala development and deployment, but more languages and project workflows are on the roadmap.The Java plugin emulates many of the expected Maven lifecycles as tasks in the directed acyclic graph of dependencies for the inputs and outputs of each task. For this simple case, the build task depends upon the outputs of the check and assemble tasks. Likewise, check depends upon test, and assemble depends upon jar.For projects that do not follow the Maven conventions, Gradle allows the directory structure to be configured. The following example would support a project that contains source files in src/java rather than the src/main/java convention enforced by Maven.

Example Ant migration:

Gradle has a very tight integration with Ant, and even treats Ant build files as scripts that could be directly imported while building. The example below shows a simplistic Ant target being incorporated as a Gradle task.

--N.KISHORE KUMAR(14-5F4)

build.xml

```
<project>
 <target name="ant.target">
 <echo message="Running ant.target!"/>
</target>
 </project>
```

build.gradle

```
ant.importBuild 'build.xml'
```

```
RUNNING : gradle ant.target
:ant.target
[ant:echo] Running ant.target!
```

Training Programmes Attended by Faculty

S. No	Faculty Name	Name of Workshop/ Seminar/ FDP/SDP Attended/ Organized	Location	No. Of Days	From Date	To Date
1.	G Loshma	Organized 3-day Workshop on "Android application development"	In-house	03	30/03/15	01/04/15
2.	B Sri Ramya	3-day Workshop on "Android application development"	In-house	03	30/03/15	01/04/15
3.	B. Ashok Kumar	3-day Workshop on " Android application development"	In-house	03	30/03/15	01/04/15
4.	T.S.D.Manasa	3-day Workshop on "Android application development"	In-house	03	30/03/15	01/04/15

Publications by Faculty

Journal Publications

S.No	Name of the Faculty	Publication Title	Publication Details
1.	Dr Rakesh Nayak	Analysis of Rabin and RSA Cryptosystems Using Bit Shifting and Stuffing (BSS) Technique	International Journal of Research in Computer and Communication Technology (IJRCCT), Vol 4, Issue 2 Feb-2015
2.	Dr Rakesh Nayak	NTRU with Gaussian Integer Matrix	International Journal of Advanced Research in Computer Science and Software Engineering(IJARCSSE), Vol 5, Issue 2 Feb-15
3.	Dr Rakesh Nayak	Multiple Private Keys with NTRU Cryptosystem	International Journal of Research in Computer and Communication Technology (IJRCCT), Vol 4, Issue 3 Mar-2015

Guest Lectures/Invited Talks for the Students

S.No	Title of Guest Lecture	Name of Resource Person, Organization Name	Date	Target Audience	No of students attended/ participated
1	Personality Development Session	Lions Club Team	19/02/2015	2nd B.Tech CSE A, B, C	180

Computer Society of India (CSI) Activities

S. No	Name of the Event	Speaker's institutes	Date	No of students attended/ participated
1	One day Workshop on Apple iOS	Hemanth Alluri, Apple iOS Instructor, SRM University, Chennai	07-03-2015	75

Details of Workshops/Seminar Organized

S. No	Date(s)	Event Name	Event Summary
1.	30-03-2015 to 01-04-2015	3-day Android Application Development Workshop by Coign, Hyderabad	Hands-on Training for Registered Students on Android Mobile Application Development by J Vijay Kumar and Team

QEEE sessions &Webinars conducted in department

Topic	Expert Name	Event Conducted Date	Audience	Faculty in charge	Venue
Computer Organization &Architecture	V. Kamakoti, IIT Mumbai	2nd Feb 2015 2:00 to 4:00 Pm	2nd Year Students	M.Rama Rajeswari	In House
Computer Organization And Architecture	V. Kamakoti, IIT Mumbai	12th Feb 2015 2:00 to 4:00 Pm	2nd Year Students	M.Rama Rajeswari	In House
Computer Organization And Architecture	V. Kamakoti, IIT Mumbai	26th Feb 2015 2:00 to 4:00 Pm	2nd Year Students	M.Rama Rajeswari	In House
Wireless Medium Access	Vinay Joseph Ribeiro, IIT Delhi	27th Feb 2015 2:00 to 4:00pm	3rd Year Students	J.Vijithan and	In House
Computer Architecture	Bhaskaran	2nd March 2015 2:00 to 4:00pm	3rd Year Students	M.Pramod Kumar	In House
Computer Architecture	Bhaskaran	04th March 2015 2:00 to 4:00pm	3rd Year Students	M.Pramod Kumar	In House

Topic	Expert Name	Event Conducted Date	Audience	Faculty in charge	Venue
Computer Architecture	Bhaskaran	06th March 2015 2:00 to 4:00pm	3rd Year Students	M.Pramod Kumar	In House
Wireless Medium Access	Vinay Joseph Ribeiro, IIT Delhi	09th March 2015 2:00 to 4:00pm	3rd Year Students	J.Vijithan and	In House
Wireless Medium Access	Vinay Joseph Ribeiro, IIT Delhi	11th March 2015 2:00 to 4:00pm	3rd Year Students	J.Vijithan and	In House

Prizes Won by Students in Various Competitions

S.No	Name of the Student	Name of the Award
1.	Ramaraju BhanuPriya	1st Prize in Essay Writing on E-Services & M-Services
2.	Ramaraju BhanuPriya	1st Prize in Power Presentation on Cyber security and Cyber Hygiene
3.	B.Naveen	1st Prize in Poster presentation
4.	P.V.Krishna Priya	1st Prize in Logo Identification
5.	M.Sushma	2nd Prize in Drawing
6.	B.Naveen	2nd Prize in Paper presentation

Tech Fests Organized

Tech Euphoria 2K15 National Level Technical Symposium conducted from 03/03/2015 to 04/03/2015

S.No	Name of the Event	Name of the Student Coordinator	Winners List
1	SLIDE UR SHOW (Paper Presentation)	T. Sushma – 12A81A05B1 V.Abhiram Sai – 12A81A05B6	V.B.SriMounica 2nd yr B.S.L. Ramya 2nd yr
2	TRI – EXPO (Project- Expo)	M. Sushma – 12A81A0530 R. Subba Rao – 12A81A0544	P. NagaSasiKala 4th yr K.Venkata SubbaRao 4th yr
3	BRAIN TWISTER (Debugging)	N.N.V. Padma Priya –12A81A0532 P. Praveen Chowdary –12A81A0533	G. KPrasad 3rd yr B. UmaMahesh 3rd yr
4	TECHNO – GRILL (Technical Quiz)	K. Lavanya Gowri – 12A81A0591 T. Satish – 12A81A05B0	V.B.VMounika 2nd yr Ch.L.Meghana 2nd yr B.S.L Ramya 2nd yr
5	POSTERIZE (Poster Presentation)	B. Gayathri – 12A81A1210 S. Renuka – 12A81F0019	B. Naveen 3rd Yr

Student Participation in Paper Presentations

S.No.	Name of the Student	Event participated	Venue	Date
1.	U.Tejeswari, M.Sandeep, K.V.Krishnakanth, K.Eswar Kumar	Techno Management cultural fest, Samayak	KLU, Guntur	Feb 20,21 &22
2.	K.J.D.Ratna Mala	Paper presentation	JNTUK,	Feb 21st & 22nd
3.	K.Naga Sudha	Paper presentation	JNTUK,	Feb 21st & 22nd
4.	P.Prasanthi	Paper presentation	JNTUK,	Feb 21st & 22nd
5.	V.Ganesh Varma	Paper presentation	RVR &JC Engg. College	Feb 28th 2015
6.	M.Sumeena Jain	Tri-Expo	SVEC, TPG	March 3 &4
7.	K.J.D.Ratna Mala	Slide your Show	SVEC, TPG	March 3 &4

Student Participation in Co-curricular and Extra-Curricular activities

S.No	Name of the Student	Roll number	Sports Event	Date	College Name
1	Polisetti Navya Sri Lakshmi	14A81A05A3	BASKETBALL	16-2-15	Gudlavalleru Engg college
2	Dandamudi Madhavi	14A81A0569	BASKETBALL	16-2-15	Gudlavalleru Engg college
3	Yerramsetti Yateesha	14A81A05H9	BASKETBALL	16-2-15	Gudlavalleru Engg college
4	Potturi Hemasri	14A81A05A4	BASKETBALL	16-2-15	Gudlavalleru Engg college
5	Reddy Moulitha	14A81A05A9	BASKETBALL	16-2-15	Gudlavalleru Engg college
6	Chinta Mounika	14A81A0568	BASKETBALL	16-2-15	Gudlavalleru Engg college
7	Yerramsetti Yatisha	14A81A05H9	THROWBALL	16-2-15	Gudlavalleru Engg college
8	Nedunuri Jasmine Nirmala Varsha	11A81A0544	THROWBALL	16-2-15	Gudlavalleru Engg college
9	Maddipati Hari Sowjanya	14A81A0592	THROWBALL	16-2-15	Gudlavalleru Engg college
10	Nandyala Pujasri	14A81A05A1	THROWBALL	16-2-15	Gudlavalleru Engg college
11	Kondireddy Nushitha	14A81A0585	THROWBALL	16-2-15	Gudlavalleru engg college

12	Bolla Gowthami	14A81A05C6	SHUTTLE	16-2-15	Gudlavalleru engg college
13	Komanduri Krishna Bhavya	14A81A0584	SHUTTLE	16-2-15	Gudlavalleru engg college
14	Ayinam Sri Naga Surya Lakshmi Gayatri	14A81A0564	SHUTTLE	16-2-15	Gudlavalleru engg college
15	Kalidindi Durga Raju	12A81A0587	KABADDI	13-3-15	Aditya Engg College
16	Maddipati Venkata Gopi Chand	13A81A0530	KABADDI	13-3-15	Aditya Engg College
17	Chalapathi Gowtham Babu	14A81A0509	KHOKHO	13-3-15	Aditya Engg College

Sahaya Activities

S.No	Date	Service Activity Details	Venue
1	16/02/2015	Donated an amount of Rs.6400/- to Mr. K.Venkatesh, Diploma 3rd CME Student, SVEC with Roll. No 12243-CM-23 towards treatment due to accident.	In-house

Academic Toppers

2014 Batch 1-1 Toppers

CSE - A

S.No	Roll No	Name of the Student	Academic %
1	14A81A0514	GANTA MOUNIKA	80.97
2	14A81A0517	GHANTASALA TANUJA	80.12
3	14A81A0526	JOSYULA HIMA POORNIMA	78.79

CSE - B

S.No	Roll No	Name of the Student	Academic %
1	14A81A0569	DANDAMUDI MADHAVI	81.58
2	14A81A0575	K V G SATISH	79.15
3	14A81A05A9	REDDY MOULITHA	76.61

CSE - C

S.No	Roll No	Name of the Student	Academic %
1	14A81A05E6	KUNAPAREDDY PAVANI KUMARI	83.64
2	14A81A05G2	PERUMALLA MANJARI	76.00
3	14A81A05E8	MADDIPATI KAVITHA	75.15

2013 Batch 2-1 Toppers

S.No	Roll No	Name of the Student	Academic %
1	13A81A0552	VARANASI B VENKATA SRIMOUNIKA	84.13
2	13A81A0547	SATTI RAJESWARA SESHAREDDY	83.87
3	13A81A0526	KORA JANAKI DURGA RATHNAMALA	82.84

CSE - B

S.No	Roll No	Name of the Student	Academic %
1	13A81A0562	AKURATHI BHAGYA LAKSHMI	84.26
2	13A81A0597	PICHUKALA MOUNIKA	80.90
3	13A81A05A0	PUSULURI VENKATA PRATHYUSHA	80.65

CSE - C

S.No	Roll No	Name of the Student	Academic %
1	13A81A05C2	ANNABATHULA SAI PRIYANKA	82.71
2	13A81A05F1	MONAVARTHI AKHILA SANDHYA	80.77
3	13A81A05D7	KANURI SUPRIYA	79.35

2012 Batch 3-1 Toppers

CSE - A

S.No	Roll No	Name of the Student	Academic %
1	12A81A0530	MUSULLA SUSHMA	82.53
2	12A81A0523	KOTTU SREERUPA SUNETHRA	76.67
3	12A81A0560	VEMURI LAKSHMI MOUNIKA	76.53

CSE - B

S.No	Roll No	Name of the Student	Academic %
1	12A81A0569	DAARLA SUSMITHA	83.07
2	12A81A0578	GANDAM D MAHALAKSHMI	82.27
3	12A81A0582	G DC N G SRIBHAVANI	81.60

CSE - A

S.No	Roll No	Name of the Student	Academic %
1	11A81A0545	NIMUSHAKAVI SUSMITHA	89.07
2	11A81A0554	UDAYAGIRI CHINMAI SRAVANTHI	85.20
3	11A81A0507	BOLISETTY VISHNU PRIYANKA	82.93

CSE - B

S.No	Roll No	Name of the Student	Academic %
1	11A81A0589	KOTA VINEELA	81.73
2	11A81A05B9	VAGVALA SAI PRIYADARSHINI	80.13
3	11A81A05A1	PALAKODETI VIJAYASREE	79.33

Welcome new faculty joining Computer Science

Name of the Faculty	Designation	Areas of Interest	Qualification	Photo
K.V. Ravi Teja	Asst. Prof.	CN,OS,Cloud Computing	B.tech,M.Tech, (P.h.D)	
T.Sai Divya Manasa	Asst. Prof.	C,C++, Java, .net,HTML and XML&Oracle 10g	B.tech,M.Tech	

GALLERY

FAREWELL 2015

computer science


Farewell
Party
April 10 th
wishing u good luck
bright future ....
that someone is we
juniors.
We miss u
10 04 2015 11:5


10 04 2015 16:22