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Department of Information Technology

ITs HORIZON

Vol -6 issue-1, July 2018-Jan 2019

A Bi-Annual Newsletter

Department of Information Technology

VISION

To evolve as a centre of excellence for Information Technology Pedagogy and achieve the excellence for future Research and Development in the relevant field.

MISSION

To impart high quality education in Information Technology for Under Graduate and Post Graduate students by providing concepts, exposure to practical knowledge and improving the leadership qualities, professional ethics, analytical thinking as to work with a commitment to excel in their careers.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Graduate should be a sound foundation in the mathematics, science and technology, necessary to analyze & solve real world problems and to prepare them for Graduate Studies and Research.

PEO2: To solve engineering problems in the Information Technology domain with appropriate tools, use the knowledge gained in core theory and practical curriculum subjects.

PEO3: Opportunities are provided for graduates to work as part of teams on various projects which are multidisciplinary in nature requiring logical and programming skills.

PEO4: Graduates should take up higher education or employment positions with good communication and presentation skills in the Information Technology field.

Five days Android workshop

Student Achievements

SCALE (Student Consortium for Advancements Learning in Engineering Education)

Ms. Shreya Adabala is The First Woman to win IUCEE Young Achiever's Award. She represented Women Empowerment in SCALE and is an inspiration to many young women.

1. Ms. Shreya Adabala has been sponsored by Anurag Group of Institutions with amount of Rs. 30,000/- towards meeting the travel expenses for attending the SCALE at Mexico.

2. Mr. Gautham Pamidipati of IV B. Tech I Sem has been awarded Best Facilitator for SCALE 2018 – 19. He is one of the four facilitators to win this award.

3. Mr. Rohit Bhargav Bollampally of IV B. Tech I Sem has been awarded Best Facilitator for SCALE 2018 – 19. He is one among the four facilitators to win this award.

4. Shreya Adabala of IV B. Tech I Sem attended the Global Student Conference - 2018 at New Mexico, Albuquerque , USA represented SCALE INDIA as a Lead Team Member.

Student Certifications

1. M. Sujith (17H61A1290) of II B. Tech I Sem certified by NPTEL in the course Introduction to programming in C.

2. M. Sujith (17H61A1290) of II B. Tech I Sem ELITE certified by NPTEL in the course Discrete Mathematics.

3. G. Abhishek (17H61A1298) of II B. Tech I Sem ELITE certified by NPTEL in the course Problem solving through programming in C.

4. K. Yashwanth Kumar(16H61A1224) of III B. Tech II Sem ELITE certified by NPTEL in the course Cloud Computing.

5. 85 Students from III Year I Sem received Oracle Java Certifications organized by TASK.

6. 31 Students of IV B. Tech II Sem certified in the course Python under FOSS (Free Open Source Software) conducted by IIT Bombay on 24th November 2018.

7. 85 Students of III B. Tech II Sem certified in the course PHP & MYSQL under FOSS conducted by IIT Bombay on 21st December 2018.

Internships

1. Krishitha Reddy (16H61A1288) from III Year completed Internship with Swecha titled as OCR – Translation Using Python from May 27, 2018 to June 15, 2018.

2. Parupally Vamshidhar Reddy (16H61A1236) from III Year successfully completed internship on Creative Writing at Shoot order at Event IT solutions Pvt. Ltd.

3. Shravani Yeshala (16H61A1259) from III Year has successfully completed the Internshala Student Partner (ISP) 11 program with Internshala during the period of September 2018 to November 2018.

4. Rukmini.V (15H61A1256) from IV Year has successfully completed internship on Android Application for Telecom Terminal Equipment Application Developer with Coign Technologies.

5. Shravani. P (15H61A1242) from IV Year has successfully completed internship on Web Development (www.ayyapasci.com) with Ayyappa Scientific Sales Pvt Ltd.

Department Achievements

❋ Department of IT has been re-accredited in Tier-1 by NBA, valid till 30th June, 2021

❋ ·Department of IT has bagged 2 projects worth Rs.12 Lakhs (approximately) by AICTE under AICTE Quality Improvement Schemes (AQIS) 2018

❋ ·The Overall pass percentage for odd semester of 2018-19, was recorded 85.9%

Faculty Achievements

◈ Mr. B. Ravi Raju has been qualified in TSSET 2018 conducted by Osmania University, Hyderabad.

◈ Three Faculty members namely, Mr. G. L. Anand Babu, Mr. G. Sekhar Reddy & Mr. A. Sriram successfully completed the AICTE approved Faculty Development Programme(FDP-201X) on Pedagogy for Online and Blended Teaching-Learning Process conducted by IIT-Bombay from 3rd – 30th May, 2018.

◈ Mrs. D.L.Padmaja ELITE certified in the course Discrete Mathematics by NPTEL.

◈ Mrs. D. L. Padmaja published a paper on "Evaluating the influence of parameter values on the performance of random subset feature selection algorithm on scientific data" indexed in SCI- Elsevier in the month of July, 2018.

Faculty Certifications

S. No	Faculty Name	Certification Obtained in Course	Conducted By	Month & Year
1	Mr. B. Ravi Raju	Cloud Computing	NPTEL	September, 2018
2	Mrs. D. L. Padmaja	Software Engineering	NPTEL	October, 2018
3	Mrs. D. L. Padmaja	Discrete Mathematics	NPTEL	October, 2018
4	Mrs. B. Namratha	Cloud Computing	NPTEL	September, 2018
5	Mr. B. Ravi Raju	Hadoop	BigData University	November, 2018
6	Mr. G. L. Anand Babu	Hadoop	BigData University	November, 2018
7	Mr. G. Sekhar Reddy	Hadoop	BigData University	November, 2018
8	Mrs. N. Nagalakshmi	Hadoop	BigData University	November, 2018
9	Ms. V. Lalitha Lavanya	Hadoop	BigData University	November, 2018
10	Mrs. Niteesha Sharma	Hadoop	BigData University	November, 2018
11	Mrs. D. L. Padmaja	Hadoop	BigData University	November, 2018
12	Mrs. T. Ashalatha	Hadoop	BigData University	November, 2018
13	Mr. S. Sravan Kumar	Hadoop	BigData University	November, 2018

Faculty Development Program (FDP) attended

S. No	Name of the Faculty	FDP Name	/Attended	Date
1	B . Ravi Raju V.Lalithalavanya Niteesha Sharma Naga Lakshmi	Personal Effectiveness	AGI	22nd to 24th Oct, 2018
2	D . L . Padmaja	Software Engineering	IIT Kharagpur	October, 2018
3	. B . Ravi Raju . B . Namratha	Cloud Computing	IIT Kharagpur	October, 2018

Faculty Publications

S. No	Publications	Impact Factor	Month & Year	Category / Index
1	Dr. A. Prashanth Rao, K .Srinivas, B .Kavitha Rani, D .Srinivas, J.Nanda Kishor; "Dynamic Scheduler for Heterogeneous Computing Applications"; Journal of Adv Research in Dynamical & Control Systems; 10; 7; 336-343; ISSN : 1943-023X	0.22	June, 2018	SCOPUS
2	D .Lakshmi Padmaja, Dr. B .Vishnuvardhan; "Evaluating the influence of parameter values on the performance of random subset feature selection algorithm on scientific data"; Data and Knowledge Engineering ; Vol.117; 174-182	1.50	August, 2018	SCI Elsevier
3	B. Ravi Raju, Y.J.Sudha Rani; "Application Caching & Clustering Techniques for Upgrading the Data Retrieval Performance in Mobile Ad Hoc Networks(Manets)"; International Journal of Innovative Research in Electronics and Communications (IJIREC) ; 5; 2; 49-54; ISSN : 2349-4050	-	August, 2018	UGC

Workshops Conducted for Students

S. No	Name of the Workshop	Conducted On	No. of students attended
1	Two day workshop on **Personal Skills**	27th July to 28th July 2018	110
2	One day workshop on **Testing Tools**	28th July 2018	59
3	Five day workshop on **Google Android Application Development**	12th Nov to 16th Nov 2018	110
4	Five day workshop on **Oracle Java Programming**	4th Sep to 8th Sep 2018	110
5	Inauguration ceremony of **Sundar Pichai Skill Club**	27th July 2018	59
6	One day workshop on **Public Speaking Skills**	4th Dec 2018	110
7	One day workshop on **Debate and Product Advertisement**	27th Dec 2018	110
8	One day workshop on **Presentation Skills**	28th Dec 2018	59

Personal Skills

Workshop Dates: 27th July to 28th July 2018

Theme of the workshop:

Learn a language and provide yourself with new possibilities during your degree and for students future by Career Planning, Placement, Leadership and Creative Development.

Objective of the workshop:

• How to set the goal and belief system.

• Learn Communication skills.

• Learn how to manage time.

• Understand and learn Presentation skills.

• Learn Employability skills.

Speaker Profile:

Mr. Cheripelli Benson, Personality Empowerment Trainer, TASK, Director of L'avenir, a soft skills Training company

Content Delivery:

* Motivation
* Confidence building
* Positive thinking
* Dreams and Goal setting
* Time management
* Inter personal skills
* Personal Grooming
* Presentation skills & public speaking
* Study skills
* Communication skills
* Character and Values
* Character and Values
* Stress management
* Team building & leadership skills
* Entrepreneurial skills
* Creative thinking
* Pro activeness
* Career Guidance
* Interview skills
* Group discussion
* Balanced Life

Outcome of the workshop:

· Self-Awareness, Personal Development, and Life Skills.

· Leadership and Communication.

· Social Justice and Responsibility.

Testing Tools

Theme of the workshop:

To have good test coverage in order to test the software applications completely and make it sure that it is performing well and as per the specifications.

Objective of the workshop:

• Finding defects which may get created by the programmer while developing the software.

• Gaining confidence in and providing information about the level of quality.

• To prevent defects.

Speaker Profile:

Mr. Veera Nagesh working as SQA Module Lead at Ebix Software India Pvt Ltd. He has 11 Years of experience in Software Testing which includes automation testing and mobile application testing.

Content Delivery:

- ◎ Software Testing Life Cycle
- ◎ Types of Manual Testing
- ◎ Unit Testing
- ◎ Testing Strategy
- ◎ Black-box Testing
- ◎ White-box Testing
- ◎ Complete Functional Testing
- ◎ Integration Testing
- ◎ System Testing
- ◎ Acceptance testing
- ◎ Regression Testing
- ◎ Non-functional Testing
- ◎ How to Write Test Cases

Outcome of the workshop:
Students can able to
• Various test processes and continuous quality improvement
• Types of errors and fault models
• Methods of test generation from requirements
• Test adequacy assessment using: control flow, data flow, and program mutations
• The use of various test tools

Google Android Application Development

Speaker Mr. P. Arun Reddy
explaining Android fundamentals

Mr. G. L. Anand Babu, IT Dept. welcoming
the expert and addressing students about
the importance of workshop.

Theme of the workshop:

Basic Android programming concepts and build a variety of apps, starting with Hello World and working your way up to apps that schedule jobs, update settings and use architecture components.

Objective of the workshop:

1. To develop mobile applications for the Android mobile platform.

2. To introduce them with basic to advanced topics of Android.

3. Designing to conserve battery life on mobile devices is emphasized.

4. Use the Android application programming interface (API) and Android software development kit (SDK) for hands-on development of deployable mobile applications.

Speaker Profile:

Mr. P.Arun Reddy, Technical Trainer and Corporate Relations, Telangana Academy for Skill & Knowledge, Department of ITE&C, Telangana.

Content Delivery:

Ø Introduction to Android and Creating First Application.

Ø Introduction to Android SDK.

Ø How to install Android Plug in.

Ø User Experience and Screens.

Ø Background Operations

Ø Storing Data

Ø Permissions and Publishing Applications

Outcome of the workshop:

Students can able to

1. Understand working of various android applications.

2. Develop applications for Android mobile devices

3. Develop mobile applications with underlying database supports

Oracle Java Programming

Students attending the workshop   **Mr. Ramesh Korivi delivering the lecture**

Theme of the workshop:
 This course of study builds on the skills gained by students in Java Fundamentals and helps to advance in Java programming skills.
Objectives of the workshop:
Workshop helps the students design object-oriented applications with Java and can create Java programs.
Speaker Profile:
 Mr. Ramesh Korivi is a certified OJCP Technical Trainer, & Corporate Relations at TASK, Department of ITE&C Telangana.

Content Delivery:
Day 1:
·   The session began with an introduction to the Oracle ilearning.
·   The fundamentals of JAVA were covered.
·   Discussed OOPS concepts in detail.
·   The different types of IDEs were explained.
Day 2:
·   The Data types were explained followed by their program execution.
·   Differences between strings and string builders.
·   Introduction to scanner class.
·   The operators were explained in brief.
 Day 3:
·   Explanation on object classes.
·   A recap of data types.
·   Types of access specifiers.
·   The constructors and its types.
Day 4:
·   Overview of generics.
·   Concept of collections.
·   Explanation on driver class.
·   The types of brackets and their usage.
Day 5:
·   Packages and Parsing techniques with the help of programs.
·   Practical applications of the topics covered.
·   An interactive doubt clarification session.
·   Day to day quizzes that were conducted throughout the workshop was evaluated on the last day
           along with midterm and final certification exam.

Outcome of the workshop:
 Students were able to analyze key features of Java which are helpful to develop the codes. A total of 110 students participated and every student performed practicals

Sundar Pichai Skill Club Activities
Inauguration Ceremony of Skill Club

Date: 27-06-2018   **Venue:** E-BLOCK AUDITORIUM

Timing: 10AM to 2.00 PM   **Special Guest:** Mr. SURYA JEEDIGUNTA

The session started with a prayer song, followed by a speech by Mr. M. Srinivas Rao, Associate Professor, AGI on improving students skills.

Later a motivational speech by Dr.K.S.Rao, Director, AGI on importance of formation of this club. All the branches launched their respective posters.

The IT department club was named as SUNDAR PICHAI CLUB.

The session was followed by an effective speech by Mr.Surya Jeedigunta about his life experiences and encouraged students to improve their skills.

The final speech was given by Mr. Satya Kiran, Placement Dept. on the importance of soft skills and its impact.

Speaking Skills

Objective of the session: To improve speaking and interactive skills among the students.
Date: 06-07-18
The co-ordinators started the session by introducing themselves, explained them about skills club and the motive behind the club.
The session was conducted for the II B.Tech I sem students.

Activity:

Total class was divided into 4 groups. Each group had equal number of students. Later they were given 3 mins time to write five words of their own choice. After collecting all the words given by each group, those words were swapped among the groups. Then they were asked to write a story by using all the five words in a given time limit. Later each group were asked to come on to the stage and speak the story for few minutes.

Outcome:

Students interacted with their fellow mates and presented their ideas which help them to improve their interactive skills.

Public Speaking Skills

Objective of the session:
The session was held to improve the Speaking and Communication Skills among the students.
Date: 4-12-2018
The Coordinators started the session by introducing themselves an explained about Public Speaking Event.
The session was conducted for the II & III B.Tech II sem students.

Activity:

Students are requested to speak on the topic "Engineering is a right platform to take-off for a bright career "in a given interval. At end of the session, with the help of the faculty coordinator the winners are judged and declared.

Outcome:

Students presented the topic with good language, gestures, body language.

Debate and Product Advertisement

Objective of the session:
To improve the Speaking, Communication and interview Skills among the students.
Debate teaches students, the skills of researching, organizing, and presenting information in a compelling fashion.
Date: 27-12-2018
The Coordinators started the session explaining about the Debate and Product Advertisement Event. The session was conducted for the II & III B.Tech II sem students

Activity-1: Entire Class was divided into two equal teams and each team has to debate on the topic "Are foreign television channels destroying our culture?".

At end of the session, with the help of the faculty coordinator the winners are declared.

Outcome: Increase in student's confidence, poise, and self-esteem and also rigorous higher order and critical thinking skills.

Activity-2: Entire Class was divided into 6 teams. Each team consists of 5 members. Each team was given a Product and asked to advertise the product creatively. Time limit about half an hour (30 min) was given for preparation.

Outcome: Students were able to present their ideas which would help them to improve their communication skills.

Presentation Skills

Objective of the session:
This session was held to improve the presentation skills among the students. The coordinators started the session by introducing themselves, explained them about skills club and the motive behind the club. This session was conducted for the II B.Tech II semester IT students.,
Date: 28-12-2018

Activity: Total class was divided into 4 groups. Each group had equal number of students. Then they were given 3 minutes time to write five words of their own choices. After collecting all the words given by each group, those words were swapped among the groups. After that they were asked to write a story by using all the five words in a given time limit.

Outcome:
Students interacted with their fellow mates and able to present their ideas which would help them to improve their interactive skills.

Articles

LIFE

Time flies and memories fade.
People change and new friendships are
Made.
Only the true remain forever at our side.
Eventually the disappointment and pain
will subside.

It is all about the journey and what has yet
To come.
Life is what you make of it;
You are what you've become.
Life is too short to hold onto regrets.
Forgiveness is the key even though you may
Never forget.

Cherish the good and remove the bad.
Some people don't realize till its's gone what
They've had.
Moving on is a way of life.
There will always be obstacles, pain &
Stride.

You must believe that you are strong
Enough to fight.
You have to believe in yourself to do what
is right.
Always do for YOU no matter what you do,
Because in the end the only one who has
Your back is you.

Never be afraid to take a stand.
And always be willing to lend a helping
Hand.
A little bit goes a long way.
All it takes is a smile to brighten
Someone's day.

Your chance to live is now, so what are you
Waiting for?
The world is yours for the taking and so
much more.
Endless possibilities are forever at your
Disposal.
The chance to live another day is life's golden proposal.

SAGAR PAL
16H61A12A3

Articles

HOPE OVER FEAR

Paulo Coelho's 'The Alchemist' has successfully pointed out the four obstacles we face pursuing our dreams. The first obstacle is the omnipotent voices that surrounds us. We are told from our childhood that every great dream of ours is impossible to achieve and thus the seed is planted. We grow up with this very idea and there comes a time when it grips our mind so tight that it is hard to discover our dreams.

T. Sai Mohith Naag
16H61A1249

But, if we have the courage to dictate our thoughts, another obstacle looks us right in the eye. The obstacle of 'love'. We know exactly what we want to pursue but we feel that abandoning everyone to chase our dreams will hurt the ones we love. But that is not what love exists for. Love exists to give us strength. Those who genuinely want to see us happy and care about us are prepared to accompany us on our journey to our goals unconditional.

Once our mind accepts love as strength, the third obstacle raises its head. The fear of failure. We fear failing to reach our goals and ambitions and, in the bargain and tread the safest, risk less path being more cautious than is necessary, trying to avoid mistakes which may lead to failure. Some failures in life are inevitable. It is impossible to live without failing at something unless we live so cautiously that we might as well not lived at all in which case, we fail by default. Remember that the pain felt while pursuing our dreams is more pleasurable than the silent suffering of living someone else's definition of success. Just like fire turns clay into hardened pot, so does a dreamer gain inner strength on following his inner calling.

Having accepted defeat in the journey, we face the ultimate obstacle. Ourself depreciating feeling of unworthiness. We feel this when we are right one step from glory. We see so many people failing in their pursuit that we start doubting our self worth. We start feeling that we do not deserve success either. There is a guilty pleasure in craving for glory, admiring it from a distance, in wanting 'that' life. And feeling so we kill what we love. We forget all the suffering we endured to cross all obstacles and give up a step before victory.

These four obstacles are mere creations of our imagination. We constantly think that we have enough time to reinvent ourselves, but the trouble is that we simply don't. Our mind processes over 71,000 thoughts each day, and most of them step from fear. Fearing consequences, fearing events, fearing what others will say or think, and sadly, fearing our highest self.

'The best way to do it is to do it'. Embarking upon this thought, let us build our days on hope than on fear. As Eleanor Roosevelt said, 'Do one thing every day that scares you'. Modern managers and consultants call it 'Biting the frog'. Wake up and bite the frog the first thing in the morning, i.e., do that one thing that scares you the most.

Believing is an essential part of the process. A hopeful disposition can cure all fears and the world is full of such legends in their own ways.

A doctor recalls a boy once bought in, injured, with his spleen and kidneys hanging out of his abdomen. 'Will I live, doc?' he asked. 'Of course you will', the doctor smiled apologetically. One week thereafter, stitched up and recovered, the boy was playing in the park and he had his positive outlook to thank for.

Jodi Picoult's book, 'My Sister's Keeper' talks about a woman who cured her cancer by talking to her body's genetically wrong cells every day. The woman would tell her cells to 'go away'. And away did they go for the underlying belief in her message to her body's cells worked in her favor.

All these anecdotes distillate to a simple mantra: nurture hope in your mind, over hope, build a belief and upon belief – nurture a dream. And once you have an exact vision of what you want, chase it with all the ruthless animalistic vigor that you can harness and conquer that dream into a reality.

After all, ships are safe in a harbor. But that's not what they are built for.

Android Workshop

IT-III Year II Semester students organizing a event under Skill club to II Year Students

**Mr. G. L. Anand Babu, IEEE Student Chapter Faculty coordinator, introducing speaker
Mr. Veera Nagesh, SQA Module Lead at
Ebix Software India Pvt. Ltd. to IV B.Tech I Sem students.**

**Second Year Students organizing Debate
and Product Advertisement Event under Skill Club**

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