n

AND A DE LE RECELLENCE SERVICE ADHONY \* X90 TONNE

# Tech Talks

Insights of IT-Volume 2, Issue 1

# Andhra Loyola

Institute of Engineering and Technology

# TechTalks

### INSIGHTS OF IT-2018-19 Message from HOD

It gives me great opportunity to present the 2nd issue of "TECHTALKS INSIGHTS OF IT". The purpose of the Newsletter is for disseminating and sharing the information

# INSIDE THIS ISSUE

Message from HOD	1
Faculty Events	2
Student Events	3
Faculty Achievements	16
Student Achievements	24
Social Activities	27

on the journey of department to the targeted audience.

During the last semester, we had grown our expertise

and competence in many ways. Learning is a continuous process and doesn't end with Mobile phone Technology Data Communication Busines

PROGRAMMING IS

POWER

acquisition of a degree. So, I congratulate all the Staff members of IT Department for their Achievements and participation in different events for improving their knowledge. This helps in modernizing teaching and learning methods by fostering an exchange of ideas and skills. This is a holistic approach in teaching and learning encouraging students to indulge in different co-curricular and extra



curricular activities to shape them as leaders of tomorrow. I congratulate all the Staff and Students for their immense work in bring up the necessary information for framing this Newsletter.

### **VISION:**

To evolve as a center for quality engineers with academic excellence and social responsibility in ever changing IT field.

### **MISSION:**

M1: To impart higher education with academic excellence to produce quality engineers.

M2: To instill values of quality learning among emerging technocrats to meet the needs of society.

#### PEO's

To prepare the students as IT professionals with mathematical, scientifical and technical skills.
 To make the students practice effective soft skills for a successful career in IT industry.
 To give student awareness on lifelong and cultivate professional ethics in the IT industry.

### **Editorial Team**

Ms N Mrinalini, Asst. Prof P Lakshmi (16HP1a1218) V Chaitanya(16HP1A1245) K Aditya Paul (17HP1A1236) A Bhagya Sri (17HP1A1201)

## FACULTY EVENTS

#### **Faculty** Orientation

A "faculty Orientation Program" is being held in Vijayawada from 30th October to 5th November-2018 at lab-2 of Andhra Loyola Institute of Engineering and



Technology. It was organized bv Information Department of Technology and Computer Science Engineering under the guidance of Pradesh Andhra Information Technology Academy(APITA).The Program provides a platform to enchance research and Teaching skills of the Teaching Faculty. This supervisied event was by Sri.S.Kishore Babu ,Head of the Department IT.

Ms.Sravya Nujella,AWS Trainer , was the resource person for the Faculty orientation Program .While addressing the faculty memebers of IT and CSE about Teaching Methodologies she gave a power point presentation on various Teaching methods that every faculty must folow so that is will be useful to the student . She said that every Teaching Faculty must use the latest Technologies to deliver the lectures efficiently and which will be useful for students.Mainly,she said that teaching in the classroom must interactive so that the every student will participate in the lectures and learn the topics intrestingly.she has explained the about outcome based education and its importance .

#### ఆధునిక సాంకేతికతలో నైపుణ్యంతో రాణింపు

కరెచ్చీనగర్, మ్యాస్ టుడే: కంప్యూటర్ రంగంలో వస్తున్న అద నిక సాంకేతికతను అలవ ర్పు పాంకేతిక నిష్ణులు నూజల్ల శ్రావ్య అన్నారు. అంద్రా లయోల ఇంజినీ రింగ్ కళాశాల సీఎస్ ఈ, ఇదీ రంగాల సంయుక్త అధ్వర్యంలో కేంద్ర

ພັ້ງ ເພື້ອເຊັ້ອເຊີ້ອີ້



కార్యశాలను (పౌరంభిస్తున్న డైరెక్టర్ ఫాదర్ ప్రాన్సిస్

సహకారంతో 5 రోజుల ఉపాధ్యాయులు శిక్షణ కార్యకమాలు బుధవారం కశాశాలలో ప్రారం భమయ్యాయి. దీనికి అతిభోపన్యాసాన్ని ఇచ్చిన (శ్రావ్య క్లౌడ్ కంప్యూటింగ్ సేవలు, వినియో గాన్ని విశదీకరించారు. తొలుత కార్యశాలను కశాశాల డైరెక్టర్ ఫాదర్ ప్రాన్సిస్ జీవియర్, ప్రిన్స పల్ డాక్టర్ మహీష్లు ప్రారంభించి నూతన సాంకేతిక పరిజ్ఞానంలో వస్తున్న పోకడలను అధ్యాపకులు అవలంబించాలన్నారు. కార్యశాలను అసిస్టెంట్ డైరె క్టర్ ఫాదర్ చిరంజీవి, సమన్వయకర్తలుగా ఎస్. కిషోర్జులు, డాక్టర్ ఎ. శ్రీని పొనరావులు పర్యవేష్టించారు. అమరావతి పరిధిలోని పలు ఇంజినీరింగ్ కళా శాలల నుంచి ఐటీ, సీఎస్ఈ విభాగాల అధ్యాపకులు పాల్గొన్నారు.

### STUDENT EVENTS

### **Ethical Hacking**

Cybersecurity or information technology security (IT security) is the protection of computer systems from theft or damage to hardware. software their or electronic data, as well as from disruption or misdirection of the services they provide. The field is growing in importance due to increasing reliance on computer systems, the Internet and wireless networks such as Bluetooth and Wi-Fi, and due to the growth of devices, including "smart" smartphones, televisions and the various tiny devices that constitute

the Internet of things. Due to its complexity, both in terms of politics and technology, it is also one of the challenges of major the contemporary world. Employee behavior can have a big impact on information security in Cultural organizations. concepts can help different segments of the organization work effectively or work against effectiveness towards information security within an organization



### **Android Application Development**

With a motto to encourage the students and to strive for their overall development, a workshop Google Android developer on organized fundamentals was in andhra lovola institute of engineering and technology campus premises by the Department of It in November, 2018.

Fueled by inspiration and propelled by the burning desire to excel a workshop on "Google android developer fundamentals" was inaugurated by the Director of ALIET Rev.Fr.A.Francis Xavier S.J,Director the students adopt to new technologies.The Principal Dr.O.Mahesh said that taking part in such Technical Events will be helpful for the faculty to enchance their Technical skills as well as for their overall development .This event was supervisied by S.Kishore Babu ,Head of the Department IT .

The resource persons are Ms.p.sandhya and from team APSSDC .They had good experience designing android app. in They discussed about Google android developer fundamentals, its features and job opportunities.



,ALIET. And the Asst .director of ALIET Rev.Fr.Thomas .S.J with his words of welcome in which he said that it is a perfect platform where



### **Python Programming**

**Python** is an interpreted, high-level, general-purpose programming language. Created Guido van by Rossum and first released in Python's 1991, design philosophy emphasizes code readability with its notable significant of use language whitespace. lts and constructs approach object-oriented aims to help programmers write clear, logical code for small and large-scale projects.

Python is dynamically typed and garbage-collected. lt supports multiple programming paradigms, including procedural, object-oriented, and functional programming. Python often is described as a "batteries included" language due to its comprehensive standard library.

Python was conceived in the late 1980s as a successor to the ABC language. Python 2.0, released 2000, introduced features like list comprehensions and a garbage

# python

collection capable system of collecting reference cycles. Python 3.0, released 2008, was a major revision of the language that is not backward-compatible, completely and much Python 2 code does not run unmodified on Python 3. Due to concern about the amount of code written for Python 2, support for Python 2.7 (the last release in the 2.x series) was extended 2020. to developer Guido Language van shouldered Rossum sole responsibility for the project until July 2018 but now shares his leadership a member of a five-person as steering council.

### **Microsoft Azure and Office 365 Tools**

With a motto to encourage the students and to strive for their overall development,a One dav Workshop was organized in Andhra Loyola Institute of Engineering and Technology campus premises by the Department of IT in December,2018 in Lab-2. The resource person Business G.Gopinath, Territory Head, Dr. computer. IT ECOM and

services,discussed about "Office 365".

Office 365 is the brand name Microsoft uses for a group of software and services subscriptions,which together provide productivity software and related services to subscribers.



Dynamic 365 is a cloud service launched by Microsoft in july 2016 under the codename 'Madeira'. Microsoft palns to combine its cloud CRM and ERP services into a single offering, Dynamics 365 and will alos include applications to manage field service sales, marketing, project service automation, financials, operations and customer service.

### **Java Application Development**

Department of Information Technology of Andhra Loyola Institute of Engineering and Technology has conducted a three day workshop on "Java Application Development" in December,2018; to which over 100 students and faculty have attended.

workshop The provided an overview of applications development using Java.It also illustrated the usage of Java to the students. Java provides GUI development through various means like Abstract Windowing Toolkit (AWT), Swing and JavaFX. While AWT contains a number of pre-constructed components such as menu, button, list, and numerous third-party components, GUI widget Swing, toolkit. а additionally provides certain advanced components like trees. tables. scrollpanes, tabbed panel and lists. Java Platform, Micro Edition (Java ME or J2ME) is a cross-platform frame work to buld applications that run across all Java supported devices, including feature phones and smart phones. According to Oracle, 100% of Blu-ray Disc Players and 125 million devices employ Java TV Java . provides support for web applications through Servlets, Struts or JSPs. The easy programming and higher security

offered by the programming language has allowed a large number of government applications for health, social security, education and insurance to be based on Java.

The workshop helped the students to further raise awareness on issues of application development Java and potential challenges ahead in fast developing environment of Information Technology. Important questions on privacy and security were also raised and were explained to students very well bv the resource person Mr.S.Naresh Kumar (Managing) Director, Access Software Solutions).



### **Statistics with R - Programming**

With a motto to encourage the students and to strive for their overall development, a workshop R-programming on was organized in Andhra Loyola Institute of Engineering and Technology campus premises by the Department of IT in August,2018.

person Mr. The resource Intisar Menhdi, Trainer, Braino vision India Ltd. discussed about Pvt language".The "R-Programing importance of **R**-programing language, its and job features opportunities.

miners.The studies of scholary literature databases show that R's popularity has increased substantially in recent years.

R-programing is an open source programing language and software environment for statistical computing and graphics that are **R**-Foundation supported by for statistical computing. The R language is widely used amoung statisticians and data miners for development statistical data software and analysis.Polls,surveys of data



R Programming

# **SEMINARS**



# CALENDAR

### JANUARY

Industrial
 Visit to
 Efftronics.pvt.Ltd.

### **FEBRUARY**

Seminar on Network Components and their uses.

A computer network is a digital telecommunications network which allows nodes to share resources. In computer networks, devices exchange computing data with each other using connections between nodes. These data links are established over cable media such as wires or optic cables, or wireless media such as Wi-Fi.



# **INDUSTRIAL VISIT**

Efftronics Providing Smart & Innovative Solutions for Smart Cities, Buildings, Signaling & IoT Services by Automation and Digitization for Vibrant Lives.

## CALENDAR

# PROJECT EXPO



# MARCH

### Project Expo

Project Expo is an organized presentation and display of models/working projects competition. It is the idea of sharing knowledge. It is also an endeavour to foster and enhance the culture of scientific inquiry and its relevance in real world applications and underline the connection strong among student community. This Project Expo will motivate the students to a whole new level as they demonstrate their projects to other students.



# PRIZE DISTRIBUTION

A prize is an award to be given to a person, a group of people like a sports team, or organization to recognize and reward actions or achievements.

# WORKSHOPS



CALENDAR

## JULY

- Machine learning Demo on Amazon Echo.
- Java
   Development
   Workshop.

### AUGUST

- R Programming
- Microsoft Azure cloud and Office 365 Tools.

A training workshop is a type of interactive training where participants carry out a number of training activities rather than passively listen to a lecture or presentation. Broadly, two types of workshops exist: A general workshop is put on for a mixed audience, and a closed workshop is tailored towards meeting the training needs of a specific group.



# FACULTY DEVELOPMENT



## CALENDAR

### **NOVEMBER**

 Faculty Development program

### DECEMBER

 Palo -Alto Firewall Demonstration

పైర్వాల్ పలిజ్జానంపై అవగాహన

కరెన్సీనగర్, న్యూన్టుడే: కంప్యూటర్ రంగంలో ఫైర్వాల్ పరిజ్ఞానం ఆవశ్యకతను చెన్నై ఐసీటీ టైనింగ్ మేనేజర్ సాము షణ్మభువెల్ వివరించారు. ఆంధ్రా లయోల ఇంజనీ

రింగ్ కళాశాల ఐటీ విభాగం ఆధ్వర్యంలో 'ఫైర్వాల్ మేనేజ్మెంట్' సై 5 రోజుల కార్యశాల శుక్ర వారంతో ముగిసింది. 5 రోజులుగా సైర్వాల్ విని యోగంపై పవర్పా



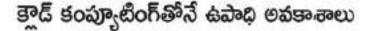
షణ్ముఘవెల్ను సత్యరిస్తున్న ఫాదర్ (ఫాన్సిస్ జేవియర్

యింట్ ప్రజెంటేషన్ ద్వారా వివరించారు. కార్యశాల ముగింపు సందర్భంగా కళాశాల డైరెక్టర్ ఫాదర్ ప్రాస్సిస్ జేవి యర్ ముఖ్యఅతిథిని సన్మానించారు. తెలుగు రాష్ట్రాల నుంచి కార్యశాలకు విచ్చేసిన 30 మంది అధ్యాపకులు, ల్యాబ్ అడ్మి న్లకు రూ. 30 లక్షల విలువైన ఫైర్వాల్ లైసెన్సులను అంద జేసారు. ప్రిన్సిపల్ ఒ.మహేష్, ఐటీ విభాగాధిపతి ఎస్.కిషో ర్బాబులు కార్యశాలను పర్యవేక్షించారు.

A training workshop is a type of interactive training where participants carry out a number of training activities rather than passively listen to a lecture or presentation. Broadly, two types of workshops exist: A general workshop is put on for a mixed audience, and a closed workshop is tailored towards meeting the training needs of a specific group.

### **Department in NEWS**





50ప్పేషగర్, స్మూస్ట్ సుస్తుడే: ప్రస్తుత కంప్యూటర్ రంగంలో ఉపాడ, మార్కెటింగ్ అవకాశాలన్నీ క్లౌడ్ కంప్యూటింగ్ చుట్టునే తిరుగుతున్నాయని, శిక్షకులు ఆ దిశగా నైపుణ్యాన్ని పెంచుకోవాలని సాంకేరిక నిపుణులు నూజల ప్రావ్య అన్నారు. అండ్రా లయోల ఇంజనీరింగ్ కళాశాల సీఎస్ఈ, ఐటీ రంగాల సంయుక్త అద్వర్యంలో కేంద్ర ప్రభుత్వ జసీటీ ఆరాడమీ సహకారంతో బోధనాచార్పుల శిక్షణ కార్యక్రమాలు సోమ వారంతో ముగిశాయి. గత 5 లోజులుగా కళాశాలలో శిక్షణ పొందిన పలు ఇంజినీ రింగ్ కళాశాలల బోధనానిట్నందికి డ్రువపత్రాలు పంపిణీ చేశారు. కార్యశాలను సీఎస్ఈ విబాగాధిపతి శ్రీనివాసరావు, ఐటీ విబాగాధిపతి ఎస్.కిపోల్బాటు పర్యవేక్షిం కారు, అద్యాపకులు తమ పరిశోధనలు, ప్రయోగాల అనుభవాలను పంచుటన్నారు.





### ఆధునిక సాంకేతికతలో నైపుణ్యంతో రాణింపు

కొంప్సీనగర్, న్యూస్ టుడే: కంప్యూటర్ రంగంలో వస్తున్న ఆడు నిక సాంకేతికతను ఆలవ ర్పుకుంటేనే రాణించగల రని సాంకేతిక నిపుణులు నూజల్ల శ్రావ్య అన్నారు. అంద్రా లయోల ఇంజినీ రింగ్ కళాశాల సీఎస్ఈ, ఐటీ రంగాల సంయుక్త ఆద్వర్యంలో కేంద్ర ప్రభుత్వ ఐసీటీ ఆకాడమీ



కార్యశాలను (పారంభిస్తున్న డైరెక్టర్ ఫాదర్ (ప్రాన్ఫిస్

సహకారంతో 5 రోజుల ఉపాధ్యాయులు శిక్షణ కార్యక్రమాలు బుధవారం కశాశాలలో ప్రారం భమయ్యాయి. దీనికి అతిభోషన్యాసాన్ని ఇచ్చిన శ్రాష్య క్లొడ్ కంప్యూటింగ్ సేవలు, వినియో గాన్ని విశదీకరించారు. తొలుత కార్యశాలను కశాశాల డైరెక్టర్ ఫాదర్ ప్రాన్ఫిస్ జేవియర్, ప్రిన్ఫి పల్ డాక్టర్ మహేష్లు ప్రారంభించి నూతన సాంకేతిక పరిజ్ఞానంలో వస్తున్న పోకడలను అధ్యాపకులు అవలంబించాలన్నారు. కార్యశాలను అసిస్టెంట్ డైరె క్టర్ ఫాదర్ చిరంజీవి, సమన్వయకర్తలుగా ఎస్.కిషోర్జాటు, డాక్టర్ ఎ.శ్రీని వానరావులు పర్యవేక్షించారు. అమరావతి పరిధిలోని పలు ఇంజినీరింగ్ కళా శాలల నుంచి ఐటీ, సీఎస్ఈ విభాగాల అధ్యాపకులు పాల్గొన్నారు.



















### Events organized

SN	Name of the topic	Date-month-year	Resource person with destination	No.of students
1	Workshop on Progressive Web Applications Phase-I	03 days (05/07/2018 to 07/07/2018 )	Mr.N.Rajesh, APSSDC Trainer & Ms.T.N.V.Swetha, APSSDC Trainer	47
2	Workshop on R- Programming	02 days (31/08/2018 to 01/09/2018)	Mr.Ch.Sai Krishna, Associate, AXTRIA Solutions,Gurgaon,India	51
3	Hands on workshop Python Programming	02 days (10/09/2018 to 11/09/2018)	Mr K.Raghavendra Swamy, Sr.IT Trainer,Naresh Technologies,Vijayawada	48
4	Project Expo	01 day (15/09/2018)	Mr.G.Gopinath, Managing Director,Dr.Computers IT&Ecom Services	53
5	Workshop on Cyber Security	03 days (26/11/2018 to 28/11/2018)	Mr.Phani Kumar & Mr.V.Surendranath, ESF Labs,Gujarat	54
6	Workshop on Deploying Modern Cloud Apps on Azure	01 day (30/11/2018)	Mr.G.Gopinath Managing Partner, Dr.Computers IT&Ecom Services	45
7	Hands on workshop Gamification	03 days (4/12/2018 to 8/12/2018)	Mr.Ch. Satish & Mr.Bala Vinod Kumar APSSDC Trainers	45
8	Webinar on VMWare- Network Virtualization	01 day (12/02/2019)	Sachin Kumar, Senior Member of the Technical Staff, VM Ware	45
9	Workshop on Progressive Web Applications Phase-II	03 days (14/02/2019 to 16/02/2019)	Ms.Sai Navya, Ms.CH.Sindhu, APSSDC Trainers	54
10	Workshop on Angular JS	03 day (06/03/2019	Mr K. Madhu	45

to	Director of Kveninar Software	
08/03/2019)	Solutions	

### Faculty publications

SNO	Faculty Name	Number of Publications	Publication Titles	
1	S.KishorBabu	1	<ol> <li>"Visualization of Feature Engineering Strategies for Predictive Analytics" ,International Journal of Natural Computing Research (IJNCR). 7(4), December 2018 pp:20-44 1947-928X.</li> <li>"Predictive Analytic as a Service on Tax Evasion Using Feature Engineering Strategies" , Smart Innovation, Systems and Technologies, vol 104. pp: 393-402, October 2018, 978-981-13- 1920-4.</li> </ol>	
2	Dr.V. Shanmukha Rao	2	<ol> <li>QUANTITATIVE WORK STUDY ON MRC PROTOCOLS", Dr.V.Shanmukha Rao, M.Revanth, C.Chaitanya and P.Abhilash, INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING, IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019), ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE) 1483-1485.</li> <li>ANALYSIS OF DECISION TREE ALGORITHMS BASED ON STUDENT RECORD FACTS", Dr.V.Shanmukha Rao, G.Chakradhar, K.Mohith and K.Phani, INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING, IJRECE VOL. 7 ISSUE 1 (JANUARY- MARCH 2019), ISSN: 2393-9028 (PRINT)  ISSN: 2348-2281 (ONLINE), 1480-1482.</li> </ol>	
3	V.Vidya Sagar	1	<ol> <li>A Novel approach on Encryption and Decryption of a Message on Android Mobile Phones (Secure SMS Android App) Jour of Adv Research in Dynamical &amp; Control Systems, Vol. 10, 10-Special Issue, 2018.</li> </ol>	
4	TVM Sai ram	1	<ol> <li>Machine Learning Implementation for Smart Health Records: A Digital carry card. Global Journal on Innovations Vol:3Issue 1-2019</li> </ol>	

#### Conferences attended

SNO	Faculty Name	Number of conferences	Publication Titles
1.	Dr.V. Shanmukha Rao	1	An Innovative Life Measuring Application using IoT Technology", ICCI 2019, Ist international Conference on Contemporary Issues, Manipal Intenational University, Malyasia 27 & 28 March 2019.

#### Faculty achievements

SNO	Faculty Name	achievements	University
1.	Dr.V. Shanmukha Rao	Ph.D awarded	Rayalaseema university
2	Mr S Kishore babu	Certificate	

#### Placements

S No	Reg No	Student Name	Company Name	Reference Number
1	15HP1A1201	Seemakurthy Alekya	TCS	TCSL/DT2016356 0680/Hyderabad
2	15HP1A1204	I Bhargavi	IBeON INFOTECH Pvt Ltd	IBI-BGL-07922
3	15HP1A1212	T Harika	Q Spiders	QSS/HYD/8912
4	15HP1A1215	U Madhuri	Creatick Solutions	CS-HYD-78916
5	15HP1A1216	P Mounika	Aradhya's Brilliance Centre	ABC-8742
6	15HP1A1231	I Yamini Siva Preethi	Q Spiders	QSS/HYD/8911

7	15HP1A1232	Abhilash	TCS	TCSL/DT2016358 8211/Hyderabad,
8	15HP1A1236	G Chakradhar	TCS, IBeON INFOTECH Pvt Ltd	TCSL/DT2018467 6760/Hyderabad IBeON-IBI-BGL- 07923
9	15HP1A1240	Hemanth Kumar aarja	Wipro, Aagna Global Solutions, Creatick Solutions	8258790, Wipro-
10	15HP1A1245	P Navadeep	Creatick Solutions	CS-HYD-78917
11	15HP1A1246	K Neehar	CTS, Wipro, Snovasys	CTS-13003823
12	15HP1A1251	Ch Subramanayam srivasta	Vee Technologies Pvt Ltd	VEET/SA/ARCT -8545