PVPS**IT** NEWS

A Half Yearly News Letter
Department of Information Technology
PVP Siddhartha Institute of Technology
(Sponsored by Siddhartha Academy of General and Technical Education)
NBA Accredited and ISO 9001: 2008 certified Institution
Kanuru, Vijayawada- 520 007

Volume: 21	JULY: 2019

HAPPINESS IS NOT THE ABSENCE OF PROBLEMS BUT THE ABILITY TO DEAL WITH THEM

GUEST LECTURES/WORKSHOPS CONDUCTED BY THE DEPARTMENT

i. Department of IT conducted a guest lecture on "Career Guidance and Upcoming Technologies for Opportunities in the field of IT" to III B.Tech IT Students on 28.01.2019 by alumni Uma Mahesh Nandam (2011-15 batch student), Full Stack Developer@CoWorks, Bangalore

ii. Department of IT conducted two day workshop for III B.Tech students on "Cyber Security" from 23.02.2019 to 24.02.2019 and resource persons are Mr.B.Srinivasa Raju, corporate Trainer, Salient Solutions, Amravati, Mr.Kakarlapudi Rajasekhar, SME of Strategic Advisor, in Cyber Security, and Mr.Arif Baig, Senior Business of program Analyst, Salient Cyber Solution, Amravati, Andhra Pradesh.

iii. Department of IT conducted a seminar on "AI&ML and their Impact on Computer Sciences" on 05.02.2019 by Dr.K.Dakshina Murthy, USA.

iv. A one week faculty development program on "Deep Learning and its Applications" was organized by department of IT in association with E&ICT NIT Warangal from 24.06.2019 to 29.06.2019, Coordinated by Dr.PVS Lakshmi, Professor, Dept of IT. Total 40 faculty members are attended from Tamilnadu, Telangana and Andhra Pradesh states. For this FDP, Dr. G. Rama Murthy, Professor, Mahindra Ecole Centrale, Hyderabad , Dr. M. Srinivas, Assistant Professor, IIIT Hyderabad, Dr. M. Srinivas Rao, Assistant Professor, NIT Warangal, Dr. Nagesh Bhattu Sristy, Associate Professor, NIT AP and Dr. M. Anand Kumar, Assistant Professor, NIT Surathkal are invited as a resource persons. This FDP served as a platform to learn on recent and on-going developments, key issues and challenges, various softwares for development of applications and practices related to Deep Learning applications.

PAPERS PUBLISHED BY STAFF

i. Mrs.Y.Padma presented and published a paper titled "Investigation of Spam Detection Approach in Social Network Marketing with Levy Flight Firefly(LFA) Algorithm" in International Conference on Recent Innovations in Computer Science & Technology(ICRICT 2019) held at PB Siddhartha College of Arts & Science, Vijayawada on 25th January 2019.

ii. Dr.B.V.SubbaRao presented a research article entitled "An innovative LIFE Measuring Application using IOT Technology" at the 1st International Conference on Contemporary issues at Manipal International University NILAY State, Malaysia during 27-28 March 2019.

iii. Dr.A.Haritha and Mr.K.Prudhvi Raju presented a paper on "IOT Based Smart Room Solutions (SRS)" in International Conference on Science, Technology and Management on 30th March 2019 supported by SCOPUS.

iv. Mr.R.Vijay Kumar Reddy published a paper entitled "A Deep Feed Forward Neural Network for Handwritten Hindi Digits Recognition Using CELSOFTMAX" in JETIR, Volume 6, and Issue 2, page No: 556-565, Feb 2019, UGC Approved Journal.

v. Mr.R.Vijay Kumar Reddy and Mr.K.Prudvi Raju published a paper entitled "Object Recognition Using Support Vector Machine with KPCA" in JETIR, Volume 6, Issue 1, page no: 21-26, Jan 2019, UGC approved journal.

vi. Mr.Y.Suresh published a paper on "Improved finger print image Segmentation approaches" Vol: 8, issue 5, March 2019 in IJITEE Scopus Indexed Journal.

vii. Mr.S.Sai Kumar, Dr.J.Rajendra Prasad and Mr.L.Ravi Kumar published a paper on "Real-Time Air and Noise Pollution Detection System Using IOT" in UGC approved Journal, "Journal of Emerging Technologies and Innovative Research" in March 2019 with ISSN-2349-5162 in vol.6 issue 3.

viii. Mrs.J.Sirisha published a paper titled "A study on Ontology Development Methodologies Tools and Mapping Methods" in UGC approved journal, Journal of Emerging Technologies and Innovative Research" in March 2019 with ISSN-2349-5162 in vol.6 issue 3.

ix. Dr.J.Rajendra Prasad, Mr.S.Sai Kumar and Mr.G.Venugopal published a paper on "Prediction of various Crop Yields in AndhraPradesh Using Multiple Linear Regression" in UGC approved journal, "Journal of Emerging Technologies and Innovative Research" in March 2019 with ISSN-2349-5162 in vol.6 issue 3.

x. Mr.R.Vijay Kuamr Reddy published a paper on "Handwritten Hindi Character Using Deep Learning Techniques", Vol 7, Issue 2, February 2019, in IJCSE UGC Approved Journal.

xi. Dr.P.V.S.Lakshmi, and Mrs.G.Reshma published a paper on "Prediction of Neurological Disorder Among Child using ML techniques" on Helen Journal (ESCT), DOI: 10.29042/2019-4775-4780, Volume (9).

xii. Dr.P.V.S.Lakshmi and Dr.A.Haritha published a paper entitled "Simple and Seamless Healthcare Using Doctor –Patient Application" in International Journal of scientific Research and Review ISSN No: 2279-543X, UGC Journal No: 64650, Vol: 7, Issue 2, Feb2019.

xiii. Mr.G.Venugopal published a paper entitled "An Enhanced Study on Predicting Heart Diseases Using Data Mining Techniques" in IJCSE (UGC approved journal) Volume- 7, issue-5 on 31st May 2019.

xiv. Dr. D.Kavitha published a paper on "Optimized Candidates Generation for Frequent Sub graph in a Single Graph" in International Journal of Research in Electronics and Computer Engineering (UGC approved journal) Volume-7, issue-2, May 2019

SEMINAR/CONFERENCE/WORKSHOPS ATTENDED BY STAFF

i. Mr.T.D.Ravi Kiran attended three day workshop on "AI & Deep Learning" under AICTE Margdarshan in collaboration with BENNETT University during 26th -28th January 2019 organized by the department of IT, VRSEC, Vijayawada.

ii. Mr.G.Venugopal, Mr.K.Pavan Kumar, Mr.P.Ravi Prakash and Mr.M.Sundarababu attended one week STC on "AI & Optimization through ICT" at PVPSIT organized by NITTR, Chandigarh during 21.1.19 to 25.1.19.

iii. Mr.P.Ravi Prakash attended awareness workshop on "Smart India Hackathon 2019" at S.R.K.R Engineering College, Bhimavaram on 10.01.2019.

iv. Dr.A.Haritha, Mrs.G.Lakshmi and Mr.P.Ravi Prakash attended a guest lecture on "Stress Management" at VRSEC on 02-02-2019.

v. Mrs.D.Leela Dharani and Mrs.K.Swarupa Rani attended one week FDP on "Soft Computing Techniques for Analysis of Large Data Sets" at NIT Andhra Pradesh – Tadepalligudem from 4th – 9th February 2019.

vi. Dr.D.Kavitha attended a workshop in "Basic Life Support" at Dr.Pinnamaneni Siddhartha institute of Medical Sciences & Research Foundation on 27.02.2019.

vii. Mr.K.Prudvi Raju attended Infosys Campus Connect workshop in Hyderabad on 20.02.2019.

viii. Mr.M.Sundarababu, Mr.G.Venugopal, Mr.T.D.RaviKiran and Mr.P.RaviPrakash attended one week FDP on "Machine Learning for Applications in Language Vision and Control" from 25th to 30th March 2019 organized by NITAP in association with E& ICT academy, NIT Warangal.

ix. Mrs.M.Sowjanya attended 3 Day FDP on "Modern pedagogical Techniques and Creative Problem Solving "during 15th to 17th April 2019 at VRSEC.

x. Mr.S.Sai Kumar attended a conference on "National Conference on Recent Trends in Computer Applications from 26.04.2019 to 27.04.2019 at NIT, Tiruchaunapalli conducted by Department of Computer Applications, NIT, Tiruchinapalli.

xi. Mr.S.Sai Kumar attended a one day faculty development program on "Intellectual property Rights (IPRS) & Innovation" organized by Department of Business Administration and Internal Quality Assurance Cell (IQAC) in PVP Siddhartha Institute of Technology on 29.04.2019.

xii. Dr.B.V.SubbaRao, Dr.D.Kavitha, Mr.K.PavanKumar, Mr.Y.Suresh, Mrs.K.SwarupaRani, Mrs.D.LeelaDharani, Mrs.M.Sowjanya, Mrs.J.Sirisha, Mrs.G.Reshma, Mr.P.RaviPrakash, Mr.G.VenuGopal, Mrs.Y.Padma and Mr.M.Sundara Babu, faculty attended the 5 days FDP on "Outcome Based Education NBA" from 22.04.2019 to 26.04.2019 at PVPSIT through ICT Mode organized by NITTR Chennai.

xiii. Mr.R.Vijaya Kumar Reddy, Mr.K.Prudvi Raju and Mrs.Y.Padma attended one week FDP on "Big Data Computing" at NIT Andhra Pradesh from 29th April 2019 to 4th May 2019.

xiv. Dr.B.V.Subba Rao, Dr. J. Rajendra Prasad, Dr.A.Harith, Dr.D.Kavitha, Mrs.G.Reshma, Mr.Y.Suresh, Mrs.G.Lakshmi, Mr.S.SaiKumar, Ms.K.SriVijaya, Mr.T.D.RaviKiran, Mrs.K.Swarupa Rani, Mr.G.Venu Gopal, Mr.R.Vijay Kumar Reddy and Mrs.M.Sowjanya attended faculty development program on "Deep Learning and its Applications" organized by department of IT in association with E&ICT NIT Warangal from 24.06.19 to 29.06.19.

FACULTY ACHIEVEMENTS

i.   Mrs.J.Sirisha successfully completed NPTEL course Programming in Java with a consolidated score of 93%.
ii. Mr.M.Sundarababu successfully completed NPTEL course Compiler Design with a consolidated score of 57%.

FACULTY PARTICIPATION

i.   Dr B.V.Subba Rao attended as panel judge for "Student Technical Paper & Poster Presentation" in NALEDGE on the eve of GECFEST'19, Gudlavalleru Engineering College, Gudlavalleru on 22nd February2019.
ii. Dr B.V SubbaRao session a chair under Engineering and Science stream at 1st International Conference on Contemporary issues at Manipal International University NILAY state, Malaysia during 27-28th march 2019.
iii. Dr B.VSubbaRao attended BOS Meeting of CS Department at Andhra Loyola College on 1-3-2019.
iv. Dr.A. Haritha attended an invited talk at National Workshop in "Interdisciplinary Translational Research in prescript of Bathes Healthcare" on 24th and 25th April 2019 at Pinnamaneni Siddhartha Institute of Medical Sciences Vijayawada

SPONSORED R&D AND CONSULTANCY ACTIVITIES

i.   Mr.S.SaiKumar published two patents on his innovation "Cashless Transaction used Biometric Authentication Method" and "Heterogeneous multichannel multi connectivity Mobility Management in NGN".
ii.   Mr.S.Sai Kumar submitted Ph.D thesis on 27.02.2019 at Krishna University in Department of computer Science.
iii. Mr.R.Vijay Kumar Reddy published a patent on his innovation "Parents Identification System for Missing Children" on 24.05.2019 with patent no "201741041347".
iv.   SAGTE sanctioned Rs. 30,000/- to Mrs.K.Swarupa Rani and Mrs.D.Leela Dharani, for research project proposal entitled "Smart IOT based system for Air Pollution Monitonary System" on 05.02.2019.
v.   SAGTE sanctioned Rs. 50,000/- to Mr.R.Vijay Kumar Reddy and Mr.G.Venugopal, for research project proposal entitled "Transforming Unstructured to Structured" on 5.02.2019.
vi.   SAGTE sanctioned Rs. 45,000/- to Mrs.Y.Padma and Mr.P.Ravi Prakash, for research project proposal entitled "Frame Work for Network Based Spam Detection in Online Social Media Using Sectionent Analysis" on 05.02.2019.
vii. SAGTE sanctioned Rs. 40,000/- to Mrs.J.Sirisha, and Dr.B.V.Subba Rao for Research project proposal entitled "All Citizen –A Chat bot integrated enquiry services App" on 05.02.2019.
viii. SAGTE sanctioned Rs. 30,000/- to Mr.K.Prudvi Raju for research project proposal entitled "My Vision" on 05.02.2019

ix.   Dr.P.V.S.Lakshmi, Professor and Dr.A.Haritha, Asso. Professor filed a patent on "An Automated Opinion Mining System for policy Making" having application number 201941009389.

x.   Mrs G.lakshmi and Mr.M.Sundarababu applied 3 day workshop on Data Science and Predictive Analytics to DST under ICPS scheme of worth Rs.1, 29,700 lacks.

xi.   Mr.K.Pavan Kumar successfully completed UGC minor research project and submitted to UGC SERO.

STUDENT ACHIEVEMENTS

i.   T.Nikhila(15501A1297), P.Srilekha(15501A1276), V.Mythil(16501A12A0) with mentors Mr.L.Ravi Kumar and Mr.K.Prudvi Raju applied a project on "M-Eye Case under Micro Small Medium Entrepreneurs" New Delhi Project estimated cost is Rs. 9Lakhs.

ii.   11 students of III B.Tech attended Entrepreneurship Development Program conducted by college ED cell form 31.01.2019 to 2.02.2019.

iii. PVPSIT ACM Student Chapter organized a two day student training program on "Microsoft Azure Features and Application Development" on 4th & 5th January 2019. Nine students(16501A1208,13,39,65,78,82,88,99,B1) from III B.Tech IT attended the training program.

iv.   K. Vinay Kumar, B. Yasaswi, G. Mohan Sai, G. Trilok Chandra Nithin IV B.Tech IT published a paper entitled "An Enhanced Study on Predicting Heart Disease Using Datamining Techniques" in an International Journal of Computer Science and Engineering(IJCSE), Vol. 7, Issue-5 (May 2019), pages 199-203.(An UGC approved Journal).

v.   Sk. Jameela Shahin, P. Sri Varshita, V. Devi Priya, V. Hemanth Sai IV B.Tech IT published a paper entitled "Prediction Of Various Crop Yields In Andhra Pradesh Using Multiple Linear Regression" in a Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 6, Issue-3 (March-2019), pages 543-552. (An UGC approved Journal).

vi.   K. Trinadh, B. Jaya Surya III B.Tech IT presented in a paper on "IOT Based Air and Noise Pollution Monitoring System" in a National Conference on Research Trends in Computer Applications, April 2019, NIT Tiruchirapalli, kerala.

vii. R. Hemanth won I prize in the event Web Nexus, EXPLORER's MEET 2K19, SRK Institute of Technology, Vijayawada during 15.02.2019 to 16.02.2019.

viii. T. Praneetha secured III prize in the event CODEHUNT, Annual Festival of Siddhartha Engineering College-2019, VRSEC, Vijayawada in February 2019.

ix.   R. Hemanth won III prize in the event Web Designing, AFOSEC-2019, VRSEC, Kanuru, Vijayawada in February 2019.

x.   TNVDC. Bhavana won II prize in the event Poster Presentation, EXPLORER's MEET 2K19, SRK Institute of Technology, Vijayawada during 15.02.2019 to 16.02.2019.

xi.   R. Girijaswi secured I Prize in the event Paper Presentation, EXPLORER's MEET 2K19,SRK Institute of Technology, Vijayawada during 15.02.2019 to 16.02.2019.

xii. V. Vyshnavi and Y. Indhu secured I Prize in the event Paper Presentation, your fest, Usharama college of Engg. & Tech, Telaprolu on 04.01.2019.

xiii. D. Saravanya won II prize in the event Ideathon at SITAR 2019, PVPSIT, Vijayawada on 08.02.2019.
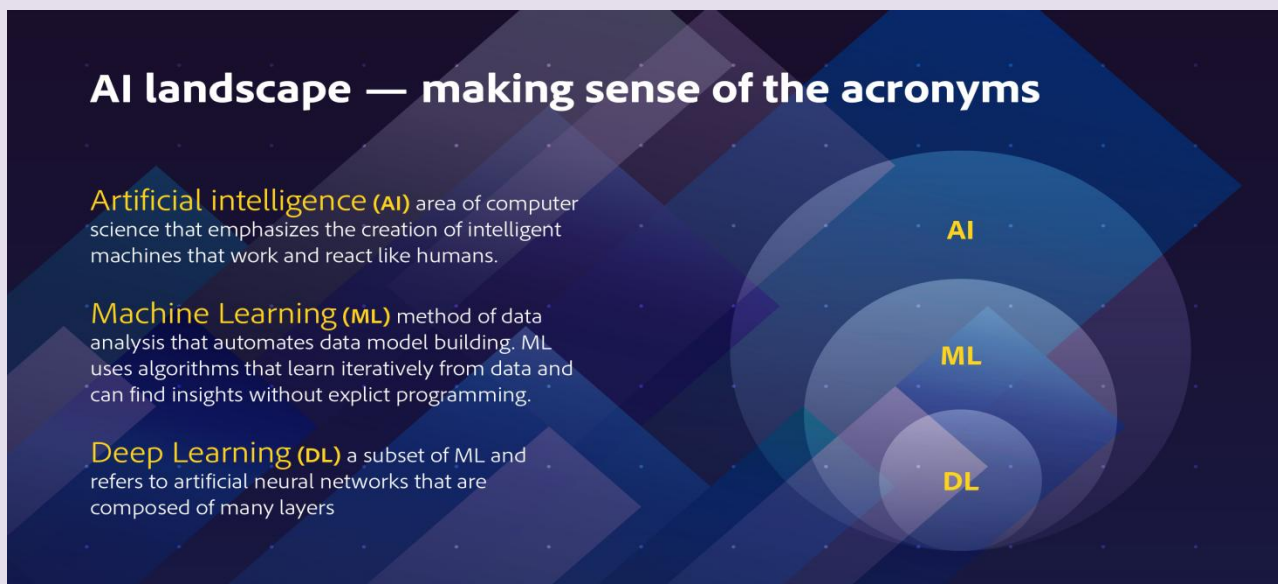
Artificial Intelligence

Artificial Intelligence is the intelligence shown by machines and it deals with the study and creation of intelligent systems that can think and act like human beings. In Artificial Intelligence, intelligent agents are studied that can perceive its environment and take actions according to its surrounding environment.

Goals of Artificial Intelligence

Creation of expert systems
Implementation of human intelligence in machines
Problem-solving through reasoning

Application of Artificial Intelligence

Expert Systems
Natural Language Processing
Artificial Neural Networks
Robotics
Fuzzy Logic Systems

Strong AI – It is a type of artificial intelligence system with human thinking capabilities and can find a solution to an unfamiliar task.
Weak AI – It is a type of artificial intelligence system specifically designed for a particular task. Apple's Siri is an example of Weak AI.
Turing Test is used to check whether a system is intelligent or not. Machine Learning is a part of Artificial Intelligence. AI is an interdisciplinary science with multiple approaches, but advancements in machine learning and deep learning are creating a paradigm shift in virtually every sector of the tech industry .

By
Ms.Vyshnavi, Ms.Rekha

STUDENT HIGHER STUDIES

Eight students qualified in IELTS and one student qualified in GATE exam in jan-june 2019 period.

STUDENT INTERNSHIPS & PLACEMENTS

35 students from II and III B.Tech completed their internship at various organizations jan-june 2019 period.

Students of IV year got 36 placements in jan-june 2019 period. Details are presented below.

2 students got placement in WIPRO
i.	G.Surendra	-15501A1233
ii.	Sreelekha	-15501A1276

6 students got placement in IBM
i.	D.L.N.Pravallika	-15501A1218
ii.	T.N.D.C. Bhavana	-15501A1269
iii.	K.Maitreyi	-15501A1250
iv.	P.Kiran Bhavana	-15501A1277
v.	N.Sai Sriram	-15501A1275
vi.	V.Radha	-15501A12A7

3 students placed in CTS
i.	A.K.chanran Teja	-15501A1207
ii.	D.Divya latha	-1550A1220
iii.	K.Niharika	-1550A1249

13 students from IV Year placed in Vee Technologies
i.	B.Chandra Lekha	-15501A1212
ii.	Ch.Devi Sri Madhu Lika	-15501A1221
iii.	E.Meghana	-15501A1224
iv.	G.Jhansi	-15501A1228
v.	K.Venka Naga Chowdary	-15501A1241
vi.	K.Suma Sundar	-15501A1247
vii.	M.Anushan	-15501A1260
viii.	M.Jahnavi	-15501A1261
ix.	M.Reetesh	-15501A1267
x.	N.Gowri Swetha	-15501A1272
xi.	P.Sai Santosh	-15501A1280
xii.	P.Vineela Rani	-15501A1281
xiii.	T.Vyshnavi	-15501A1298

11 Student form IV Year selected in data foundry and ATOS SYNTEL
S.No	Name of the Student	Registration No.
i.	D.Divya Latha	15501A1220
ii.	T.Lakshmi Sai Nikhila	15501A1297
iii.	Anirudh Sunkara	15501A1204
iv.	Anitha RajBale	15501A1205

v.	Avvaru Saty Meghana	15501A1206
vi.	K.Suma Sundar	15501A1247
vii.	K.Venkat Naga Chowdary	15501A1241
viii.	M.Lalu Krishore	15501A1253
ix.	P.Pradeep	15501A1284
x.	Shaik Reshma	15501A1293
xi.	V.Sai Krishna	15501A12A1

1 Student form IV Year selected in ValueLabs

i. Sreelekha   -15501A1276

OTHERS

i. Department of IT conducted a motivational talk to all the III B.Tech IT students on 30.01.2019 by already placed students of IV B.Tech IT regarding pre placement preparation and how to face the technical sessions

ii. Program Assessment Committee (PAC) meeting for the academic year 2018-19, Semester1 was conducted on 21st February 2019

iii. Dr.A.Haritha, Asso. Professor, hosted a webinar on "Art of Decision Making" under India 1st leadership talk series by Shri Ajit Doval, under Institutions Innovation council on 19th March 2019.

iv. Department of IT, III-Year students organized Farewell for IV B.Tech Students on 25.02.2019.

v. Department of IT conducted a motivational talk to all the III B.Tech IT students on 30.01.2019 by already placed students of IV B.Tech IT regarding pre placement preparation and how to face the technical sessions.

vi. BOS Meeting was conducted on 01.06.2019. Dr. Madhu Mutyam, Professor, IIT Madras, Dr. RBV Subramanyam, Professor, NIT Warangal and Internal members of BOS attended the meeting.

vii. Department of IT of PVPSIT conducted Students Induction program to III and IV B.Tech IT students on 7-6-2019 and discussed Vision,Mission,PEOs,POs,PSOs and COs

viii. Department of IT conducted Students Induction program to II B.Tech IT students on 19-6-2019 and discussed Vision,Mission,PEOs,POs,PSOs and Cos.

FDP on "**Deep Learning and its Applications**"

Career Guidance and Upcoming Technologies for Opportunities in the field of IT by alumni Uma Mahesh Nandam

Workshop on "Cyber Security and Seminar on "AI&ML and their Impact on Computer Sciences"

Dr B.V SubbaRao chaired a session at 1st International Conference on Contemporary issues at Manipal International University NILAY state, Malaysia

Dr. A. Haritha invited talk at National Workshop in "Interdisciplinary Translational Research in prescript of Bathes Healthcare" at Pinnamaneni Siddhartha Institute of Medical Sciences Vijayawada.

Farewell for IV B.Tech Students

BOS Meeting on 01.06.2019

Program Assessment Committee (PAC) meeting on 21.02.2019

Induction program to II, III and IV B.Tech IT students