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Principal, PVPSIT

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Professor & HOD, Dept. of IT

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Dr. P.V.S. Lakshmi, Professor, Ph-9640358424

Co-Coordination:

Mr. K. Pavan Kumar, Asst. Professor, Ph:9848691924
Mrs. G. Lakshmi, Asst. Professor, Ph:9494767015
Mr. M. Sundara babu, Asst. Professor, Ph:9885404221
Mr. G. Venu Gopal, Asst. Professor, Ph:9030384598

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Mrs. D. Kavitha, Sr. Asst. Professor
Mrs. J.Sirisha, Asst. Professor
Mrs. G.Reshma, Asst. Professor
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Mrs. D. L. Dharani, Asst. Professor
Mrs. M. Sowjanya, Asst. Professor
Mr. K. Prudviraju, Asst. Professor
Mr. R. Vijay Kumar, Asst. Professor

Registration Form

1. Name:
2. Department :
3. Institution:
4. Address for correspondence with Email:
5. Ph:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the Workshop and shall attend the Workshop without fail. I also undertake the responsibility to inform the coordinator in case, if I am unable to attend the Workshop.

Date:

Place:

Signature of the applicant

Sponsorship Certificate

Dr./Mr./Ms.....
.....is working in our institution/organization and is here by sponsored to participate in Workshop on “**Big Image Data Processing on Hadoop Framework**” from 26-10-2017 to 28-10-2017 at Prasad V. Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada-7.

Place:

Date:

Signature of the Head of the Institution (with seal)

A Three Day National Level Workshop
on

“Big Image Data Processing On Hadoop Framework”

(26-10-2017 to 28-10-2017)



Organized by

DEPARTMENT OF INFORMATION TECHNOLOGY

**PRASAD V. POTLURI
SIDDHARTHA INSTITUTE OF TECHNOLOGY
Kanuru, Vijayawada-7
(Autonomous)**

(Affiliated to JNTUK Kakinada, NBA Accredited and ISO 9001:2008 Certified)

Sponsored by

**Siddhartha Academy of
General & Technical Education**

www.pvpsiddhartha.ac.in

Ph: 0866-2581699



ABOUT PVPSIT:

Prasad V. Potluri Siddhartha Institute of Technology, sponsored by Siddhartha Academy of General and Technical Education was established in the year 1998. It is affiliated to JNTU, Kakinada and the institution is accredited by NBA- AICTE. The institute aims to promote Quality Technical Education and create innovative, self initiative and skilled Engineers.

PVPSIT is situated in a calm and serene Environment at Kanuru, 6 km from the heart of the city, Vijayawada. The Institute offers under graduate programs in CSE, IT, ECE, EEE, ME, ECM, CIVIL and AE. Also offering masters program M. Tech in CSE, ME, EEE, and ECE in addition to MCA and MBA.

ABOUT IT DEPARTMENT:

- ❖ Established in the year : 1998
- ❖ No. of computer systems : 239
- ❖ No. of servers : 3
- ❖ Computer labs : 11
- ❖ Campus wide Fiber Optic Networks with 1 Gbps back bone
- ❖ Digital Library IEEE/ASME e-journals through INDEST/AICTE consortium
- ❖ Internet : Leased line of 100 Mbps
- ❖ IIT & MIT Video Lectures
- ❖ Certificate courses for students:
 - * INFOSYS Campus Connect Program
 - * IoT using Python
 - * Tableau
 - * Oracle Certified JAVA Programming
 - * 'R' Programming.
- ❖ 24 well qualified faculty

About the Workshop:

The digital content is generated with exponential speed due to scanners, web cameras, digital cameras, mobile phone cameras, video cameras and digital medical imaging devices etc. Processing such huge amounts of data generated in less time is challenging task. Traditional Image Processing/Video Processing methods fail to process this data because of insufficient memory and computational power. In order to process such data high performance computing capability provided by Distributed Systems is more suitable.

Big Data is no longer a new term, it's a fact, and it's one of the fastest growing area in IT. 90% of the world's data has been created in just the last two years, and 80% of it is unstructured data such as video or photos. This is where we discuss about Big Image/Video Data processing. Hadoop and Spark are the solutions for this. The workshop focuses on architectural and processing issues of these frameworks, Hadoop cluster setup for distributed processing of large set of images or videos.

TOPICS

- Fundamentals of Image/Video Processing
- Big Image Data
- Big Image Data Processing
- Hadoop Installation in Standalone mode
- Hadoop Installation in Pseudo Distributed mode
- Hadoop Installation for Fully Distributed mode
- Programming using Map-Reduce paradigm (word count example)
- Matrix Multiplication with Hadoop Map-Reduce.
- Dealing with 'Large Images' in dimension and size.
- Image Smoothing/Edge Detection with Map-Reduce
- Image Dilation/Erosion with Map-Reduce
- Working with HIVE.
- Matlab-Hadoop Integration and Image Processing.
- Video Processing on Matlab-Hadoop.
- Processing of 1,00,000 images on Hadoop cluster with MATLAB.
- Algorithms for Big Data.
- **Hands on Session Follows**

Resource Persons:

1. **Dr. U.S.N.Raju,**
Asst. Prof, Dept. of CS&E, NIT Warangal.
2. **Dr. P.Venkata Subba Reddy,**
Asst. Prof. Dept. of CS&E, NIT Warangal.
3. **B Mahesh,**
Senior Analyst, Hyderabad.

Eligibility

Faculty members, research scholars and PG students with Information Technology, Computer science & Engineering and Communication Technology background are invited to participate.

Last date for Registration : 23-10-2017

Registration Fee : Rs.1000/-

Registration forms should reach us on or before 23-10-2017 and registration fee be paid in cash on the day of Workshop or DD drawn in the favor of The Principal, PVPSIT payable at Syndicate bank. Kanuru, Vijayawada.

No TA, DA and accommodation will be provided.

Registration Link:

<http://www.pvpsiddhartha.ac.in/bidp/bidp.html>

Programme Coordinator

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