

National Workshop on “Emerging Technology in IT” being organized by Department of Computer Science and Engineering, Faculty of Science and Technology, ICFAI University, Tripura in collaboration with IBM, Bangalore – March 25-26, 2019

**A National Seminar**  
on  
**Emerging Technology in IT**  
March 25<sup>th</sup> – 26<sup>th</sup>, 2019

*Jointly Organized by*  
**Dept. of CSE, Faculty of Science and Technology, ICFAI University, Tripura**  
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*In collaboration with*  
  
IBM, Bangalore

**Patron**  
Prof Biplab Halder  
Pro- Vice Chancellor

**Resource Person**  
Mr. B.B Mohanty  
Enterprise Architect,  
IBM Labs, Bangalore



#### About the University:

The ICFAI University, Tripura (referred to hereafter as the University) was established in 2004 through an Act of State Legislature (Tripura Act 8 of 2004). The University has been approved by the University Grants Commission, under Section 2(f) of the UGC Act, 1956. The ICFAI University, Tripura is a member of The Association of Commonwealth Universities (ACU), London, UK, Association of Indian Universities (AIU), New Delhi, India, The Institution of Engineers (India) and Association of Management Development Institutions in South Asia (AMDISA), Hyderabad. The University has accreditations of the following regulatory authorities: National Council for Teacher Education (NCTE), Bar Council of India (BCI), Distance Education Bureau (DEB) and NAAC (National Assessment and Accreditation Council).

The University offers Bachelor, Master, and Doctoral programs in management, engineering, information technology, paramedical science, education, law, physical education, humanities and social sciences and other areas.

Faculty of Science and Technology (FST), a constituent of The ICFAI University, Tripura. The programs offered by FST is broad based covering Basic Sciences, Mathematics, Technical Arts, Engineering Sciences, Analysis and Application oriented courses. The department is focused in promoting employability and skill development oriented technical programs in line to the national mission for skill development.

The University, with its motto "Meritum Ethicus" strives to develop a new cadre of professionals with a high level of competence and deep sense of moral principles and commitment to the code of professional conduct. The University believes in creating and disseminating knowledge and skills in core and frontier areas through innovative educational programs, research, consulting and publishing, and developing a new cadre of citizens with a high level of competence and deep sense of ethics and commitment to the code of professional conduct.

#### About The Workshops:

The two-day intensive workshop is part of a promotion of interaction between the scientific communities within and outside the north-eastern states of India. The workshop will introduce various trends, research domains and advance topics in Information Technology (IT). The must of heard the importance of projects in current era of IT as they are rapidly getting adopted by major business houses to remain competitive in the fast changing global market. A new cutting edge technology with higher salary gain has already put impact on the recent IT business. The general ecosystem of Technologies/ Subjects that are going to be introduced in the workshop are:

- Big Data Analytics
- Cloud Computing
- Virtualization
- Devops, etc.

The major cloud computing providers are AWS, IBM, Google, Oracle, Microsoft etc. And many new players are joining the bandwagon. Clouds are categorized as private, public and hybrid. Alternatively, clouds are termed as on premise or off premise or a combination of on premise and off premise. Many players offers many types of cloud services and industry is rapidly moving to this area to reduce upfront investment cost and total cost of operation (TCO). Cloud also is elastic in terms of provisioning and deployments of workloads and huge analytics workloads are rapidly being deployed on clouds. Traditional data centers are migrating to cloud to remain in the forefront of technologies and to reduce cost. Cloud brings flexibility in operation and management. Deployment and provisioning is superfast and hence many businesses from health care research labs to AI and ML, are all going to cloud. And industries are moving the data

from legacy data centers to cloud in a big way creating millions of jobs in this area. It is the set of tools and systems to automate the development and deployment operations in IT. It is the cost efficient and flexible way of integrating development and operational tasks providing agility to IT. DevOps emphasises on the collaboration between developers, IT operations and security teams. Operations include Administrators and Architects. And the rigid boundary between development and operation is slowly breaking down requiring a new kind of job profiles where a developer needs some knowledge of the operation and the operation needs some knowledge of the code.

Whereas agile software development provides business agility, DevOps provides IT agility, enabling the deployment of applications that are more reliable, predictable, and efficient. This area is quite new and is in top demand as it reduces revenue investment by a significant margin by way of automation.

The latest buzz words in this domain are CI/CD(Continuous Integration/Continuous deployment) and candidates may be most likely asked to possess skills in these niche and emerging skills.

#### Some Key Topics:

- J2EE • HBase • NoSQL and SQL Databases • JSON • MongoDB • XML • Hadoop
- Python • ETL • BI Technologies • OpenStack cloud operating system • Storage computing
- Server computing • Network computing • Database • Server Computing • Network Computing • Storage Computing

The resource person from IBM, Bangalore has been carrying out expertise on these above mentioned areas. In each topic, attempts will be made to build up fundamental concepts followed by pointers to some recent research directions.

#### About The Resource Person:

Mr. B.B Mohanty, Enterprise Architect, IBM Labs, Bangalore

Mr. B.B Mohanty's core technical competencies are Oracle (RAC Capacity and Performance), unix, storage & Kernel programming. His other competencies are into Framing/deploying/implementing best practices in Infrastructure, provisioning, virtualization, Cloud Control, Capacity and performance management.

He has over 20 years of technical and managerial experience in different IT infrastructure management domains like Oracle Rac, Oracle Apps, Middleware/Integration (SOA / IDM / AIA ), Capacity and performance Planning/Tuning, Database Architecture Design/Implementation, Networking, virtualization/Cloud, Unix Servers management, Storage Planning, storage Protocols(FC, ISCSI, SCSI), RAID configuration and Programming. He is well versed with ASM Technology from oracle at storage provisioning level.

#### Registration Fee:

1. Corporate people – INR 2000/-
2. Faculty – INR 1000/-
3. Student – INR 500/-

#### Payment Details :

Account Name: The ICFAI University Tripura  
Account No: 50290031351468  
Bank Name: HDFC Bank  
Bank Branch: Sakuntala Road Branch  
IFSC NO: HDFC0084059

Payment can be made through Cheque or Demand Draft drawn in favour of 'ICFAI University Tripura' payable at 'Sakuntala Road Branch', Agartala, Tripura. OR at the registration counter during registration.

**Important Dates:**

Last date for request of Accommodation (Chargeable): 21<sup>st</sup> March, 2019

**How to reach:**

Flight from Kolkata to Agartala takes about 50 minutes and from Guwahati to Agartala about 25 minutes. It is only 30 minutes from Airport to reach ICFAI University.

**Core Committee Members**

Seminar Committee	Name
<b>Patron</b>	Prof. Biplab Halder (Pro-Vice Chancellor, IUT)
<b>Resource Person</b>	Mr. B.B Mohanty (Enterprise Architect, IBM Labs, Bangalore)
<b>Organizing Committee Member</b>	Dr. Priyansu Rana Borathakur (Convenor) Prof. Saroj Kumar Nanda (Joint Convenor) Prof. Abhijit Biswas Dr. Partha Sarkar Prof. Debjani Bhowmik Prof. Paromita Goswami Prof. Rup Kumar Deka Prof. Sayantan Singha Roy Dr. Dushyanta Dutta

**Registration Form**

Name (in block letters).....

Organization/ Institution.....

Pin Code: ..... Mobile No.....

E-Mail I.D..... Category: Industry professional/ Academician/ Research

Scholar/ Student/ Delegate/ Others

Accommodation Required: Yes/No

Whether presenting paper: Yes/No

If Yes, Title of the paper: .....

Registration Fee Details: Cash/ NEFT/ DD Amount: .....

Name of Bank: .....

DD No./ Transaction ID No. and Date: .....

Date and Place:.....

Signature.....