



## GTU – Graduate School of Engineering and Technology

### Report of Faculty Workshop and Research Talk by Prof. Rajkumar Buyya 26-27 April, 2023

**Coordinated by** Prof. G. D. Makwana  
**Co-Coordinated by** Prof. K. R. Borisagar  
Ms. Mona Chorasias



Prof. Rajkumar Buyya is a Redmond Barry Distinguished Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia. He is also serving as the founding CEO of Manjrasoft Pty Ltd., a spin-off company of the University, commercialising its innovations in Cloud Computing. Prof. Buyya is an eminent expert in the area of Cloud Computing and allied fields. His contributions in the fields are remarkable in the world. He

published more than 25 books, 75 book chapters and 900 research papers in the field of Cloud Computing and allied areas in the reputed publication house. His citation is 1,35,040, h-index of 160, and i10 index of 719. Under his credits, 3 US patents granted and 3 technologies are commercialized. More than 100 recognition received as honors, scholarship, and awards from reputed agencies across the world. Prof. Buyya received more than 20 research grants from reputed agencies across the world. Prof. Buyya is outstanding contributions to Computer Science, Software Engineering, and Information Technology (IT) research in advanced the discipline of Cloud computing and distributed systems, Grid Computing, Cluster Computing, software development with high distinction.

## Schedule:

### 1. 26<sup>th</sup> April, 2023, 11:00 AM, Wednesday : Faculty workshop –

- Expert Session on “ Neoteric Frontiers in Cloud, Edge, and Quantum Computing”
- Faculty Interaction
- Visit of various laboratories, CoEs and Cell of the GTU-GSET and GTU

### 2. 27<sup>th</sup> April, 2023, - Research Talk

- Research Talk: "Role of Timely Research and Innovation: A Perspective on Impact and Citation" for the Ph.D. Scholars of the University.

More than 50 faculty members of various institutes of the Gujarat are actively participated. After this workshop, the participates are motivated and rightly directed todo quality research in the domain.



Lighting of Lamp by Prof. Buyya



Dignitaries on the Dias



Prof. S. D. Panchal welcomes Prof. Buyya



Prof. Buyya gifted Bhagwat Gita to Prof. S. D. Panchal



Welcome Speech by the Prof. S. D. Panchal



Session Talk by Prof. Rajkumar Buyya



- Understanding and significance of Cloud, Edge and Quantum Computing with spiritual meanings
- Demonstrated their findings in terms of multiple solutions in various domains using Aneka Cloud Platforms, CloudSim, GridSim, iFogSim.
- Discuss various case studies based on cloud and Edge Computing
- Discussion on various research methodologies used in software engineering and allied fields.

## Visit of the various state-of-art facilities.



Prof. Buyya visited various laboratories such as IoT lab, VAPT Lab, High Performance Computing Lab, Autodesk Lab, ISEA Lab of the Institute. He Visited Bosch Rexroth CoE, Atal Innovation Center, Design Innovation Centre. The students demonstrated their innovation projects and various projects to the Prof. Buyya. Prof. Buyya shared his experience with the students. Prof. Buyya impressed with GTU's ecosystem for Innovation and Research at the University.



## Research Talk on 27<sup>th</sup> April, 2023

**Title:** "Role of Timely Research and Innovation: A Perspective on Impact and Citation"

More than 175 registered Ph.D. scholars of the GTU from computer engineering and allied branches are actively participated.



Welcome of Prof. Rajkumar Buyya



Welcome Speech by Prof. S. D. Panchal



**Participated Ph.D. Scholars**

- Requirements of the Impactful Research and Innovation
- Reflect his journey as the case study and motivated the Ph.D. students
- Focus on identification of research topics through Gartner Hype Cycle for emerging technologies
- Focus on build quality research team, publish quality papers, developed associated software and hardware, interdisciplinary R & D, invited potential users through open source and commercial products
- Recommended to support community and users, collaborative work various organizations, present talks on the research topic at various levels
- Write Books and magazine papers for wide understandings.
- Be “Atmarama” – one who is self-satisfied.



**Vote of Thanks By Prof. G. D. Makwana**