

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Trichy	20 th -Oct-2022	Present
Assistant Professor	KIIT deemed to be University, Bhubaneswar, India	18 th -June-2021	14 th -Oct-2022

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IIT Bhubaneswar	2021		Software-defined Network
M.TECH.	VSSUT, Odisha	2015	First	Computer Science and Engineering
B.TECH.	BPUT, Odisha	2012	First	Information Technology
12 th	CHSE, Odisha	2008	First	Science
10 th	BSE, Odisha	2006	First	General

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
NBA Work	Department of CSE	Nov 2022	Present
Member	Anti Ragging Committee	Nov 2022	present

10. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2016	Winner, IEEE Students Colloquium	IIT Bhubaneswar
2015	Silver Medal in M.TECH	VSSUT, Odisha

11. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2016	MHRD Fellowship	MHRD, Govt. of	Jan-2016	Sep-2020

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		India		
2013	AICTE Fellowship	AICTE, Govt. of India	June-2013	May-2015

12. Details of Academic Work

(i) Curriculum Development: M.TECH CSE NS Course Coordinator in KIIT, DU

(ii) Courses taught at Postgraduate and Undergraduate levels:

Undergraduate: Computer Networks, Cloud Computing, Programming in C

Postgraduate: Network and Security

(iii) Projects guided at Postgraduate level:

An Architectural SDN Framework for Pacemaker Security

(iv) Other contribution(s):

Reviewer in International Journals-

- IEEE Transactions on Dependable and Secure Computing
- IEEE Transactions on Network Science and Management
- Computer Networks
- Computer Security

Program Committee Member in International Conferences-

- Software-defined Systems

**13. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc.
(mentioning the role)**

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
07-01-2020	International Conference on COMmunication Systems and NETworkS (COMSNETS)	International	Paper Presenter	IEEE and ACM	Bangalore
06-07-2019	International Conference on Computing, Communication and Networking Technologies (ICCCNT)	International	Paper Presenter	IEEE	IIT Kanpur, India
19-	International	International	Paper	Springer	Silesian

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06-2018	Conference on Computer Networks		Presenter		university of Technology, Poland
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14. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Workshop(CONNECtERE 1.0)	Local	24-03-2018	Organizing Secretary	IIT Bhubaneswar

15. Invited Talks delivered

Topic	Date	Inviting Organization
Traffic Management and Load Balancing in SDN	30-06-2021	IIT Bhubaneswar
Enabling Wireless Technology: SDR Applications	06-11-2020	KLE Technological University, Hubballi, Karnataka

16. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Annual Member	IEEE	94046609 (18-02-2022)

17. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Madhukrishna Priyadarsini, Padmalochan Bera, Sajal K Das, Mohammad Ashiqur Rahman	A Security Framework for SDN Controller using Game Theoretic Approach	IEEE Transactions on Dependable and Secure Computing	25	724-740	2022	7.431

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Madhukrishna Priyadarsini, Padmalochan Bera	Software defined networking architecture, traffic management, security, and placement: A survey	Computer Networks (Elsevier)	192	108047	2021	4.474
Madhukrishna Priyadarsini, Padmalochan Bera, Shailesh Kumar, MA Rahman	An energy-efficient load distribution framework for SDN controllers	Computing (Springer)	102	2073-2098	2020	2.420
Madhukrishna Priyadarsini, Joy Chandra Mukherjee, Padmalochan Bera, Shailesh Kumar, AHM Jakaria, MA Rahman	An adaptive load balancing scheme for software-defined network controllers	Computer Networks (Elsevier)	164	106918	2019	4.474
Madhukrishna Priyadarsini, Padmalochan Bera	A secure virtual controller for traffic management in SDN	IEEE Letters of the Computer Society	2	24-27	2019	2.521

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Madhukrishna Priyadarsini, Padmalochan Bera	An SDN Implemented Adaptive Load Balancing Scheme for Mobile Networks	In: Proceedings of International Conference on Distributed Computing and Internet Technology	127-139	Distributed Computing and Internet Technology	KIIT Deemed to be University, India	2022
Madhukrishna Priyadarsini,	Smart City Renovation	In: Proceedings of International	794-799	COMmunication Systems &	Chancery Pavilion,	2020

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Pooja Mittal, Padmalochan Bera	using SDN Framework	Conference on COMMunication Systems & NETworkS		NETworkS	Bangalore, India	
Madhukrishna Priyadarsini, Padmalochan Bera, MA Rahman	A Signaling Game-Based Enforcement Mechanism for SDN Controllers	In: Proceedings of International Conference on Computing, Communication and Networking Technologies	1-7	Communication and Networking Technologies	IIT Kanpur, india	2019
Madhukrishna Priyadarsini, Padmalochan Bera, MA Rahman	A new approach for energy efficiency in software defined network	In: Proceedings of International Conference on Software Defined Systems	67-73	Software Defined systems	Barcelona, Spain	2018
Madhukrishna Priyadarsini, Padmalochan Bera	A new approach for SDN performance enhancement	In: Proceedings of International Conference on Computer Networks	115-129	Computer Networks	Silesian university of Technology, Poland	2018
Madhukrishna Priyadarsini, Padmalochan Bera, Rohan Bampal	Performance analysis of software defined network controller architecture- A simulation based survey	In: Proceedings of International conference on Wireless Communications, Signal Processing and Networking	1929- 1935	Wireless Communications, Signal Processing and Networking	Chennai, India	2017

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
Madhukrishna Priyadarsini, Padmalochan Bera	Internet of Things and Secure Smart Environments Successes and Pitfalls	CRC Press (Taylor and Francis Group)	2020	9780367276706
Madhukrishna Priyadarsini, Padmalochan Bera	Traffic Management in SDN- A Road map to Research	Scholars' Press	2019	978-613-8- 91376-4