



**Computer Science Graduate, M.Tech. and Ph.D. in Computer Science & Engineering  
Ph.D. (CSE), M.Tech. (CSE), M.Phil. (CS), M.C.A, B.Sc. (CS)**

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**E-mail(s)** : shaktikundu@gmail.com ; shaktikundu@rediffmail.com  
**Research Papers** : **41** { **17** International Journals published (ESCI / Scopus / Google Scholar / Ebsco / ICI / UGC) + **24** International / National Conference Proceedings published }

**Post Ph.D. Experience : 03 years    Authored Book Chapter(s): 10    Patent Published: 02**

**Work Experience: 13 years**

**Teaching Experience:**

- **Teerthanker Mahaveer University (TMU), Delhi Road, Moradabad, Uttar Pradesh, India**  
**Associate Professor** in Faculty of Engineering & Computing Science, **Teerthanker Mahaveer University (TMU), Delhi Road, Moradabad (U.P.), India** from **February, 2019 to Present**.
  - Taught various subjects (Software Engineering, Operating System, OOPs with UML, Digital Marketing, Data Mining, C, C++) to **B.Tech. CSE IBM, MCA, BCA students** at TMU.
  - Member of Academic Review Committee (ARC), College Research Committee (CRC), Board of Faculty (BOF), Training & Placement (T&P), NAAC committee, Ph.D. Supervisor in Computer Science and Engineering / Computer Applications, Head of Admission Team.
- **Shivalik College of Engineering (SCE), Dehradun, Uttarakhand, India**  
**Assistant Professor** in Department of Computer Science and Engineering, **Shivalik College of Engineering (SCE), Dehradun, Uttarakhand, India** from **February, 2018 to January 2019**.
  - Taught various subjects (Web Technology, C# Programming and Industry oriented specialized programs such as Data Science and Big Data Analytics) to **B.Tech. CSE students** at SCE.
  - ERP Coordinator, Research Coordinator and FDP Coordinator.
- **DIT University (DITU), Dehradun, Uttarakhand, India**  
**Teaching Associate** in Department of Computer Science and Engineering, **DIT University (DITU), Dehradun, Uttarakhand, India** with **3.6 years** of experience from **June, 2014 to December, 2017**.
  - Taught various subjects (Software Engineering, Data Mining, Web Technology, Object Oriented Analysis & Design, C / C++ / Java) to **B.Tech. CSE / IT, M.Tech. CSE, MCA / BCA students** at DITU.
- **IMS Unison University (IUU), Dehradun, Uttarakhand, India**  
**Assistant Professor** in School of Computer Applications, **IMS Unison University (IUU), Dehradun, Uttarakhand, India** with **approx. 1 year** of experience from **July, 2013 to May, 2014**.
  - Member of Board of Studies, SCA, IUU, Dehradun (06<sup>th</sup> July, 2013 to 13<sup>th</sup> February, 2014).
  - Member of Library Committee, SCA, IUU Dehradun (06<sup>th</sup> July, 2013 to 31<sup>st</sup> December, 2013).
  - Academic Responsibilities: UG/PG Coordinator, Instructor, Project Guider and Evaluator.
- **Lovely Professional University (LPU), Phagwara, Punjab, India**  
**Assistant Professor and Research Coordinator** in School of Computer Applications, **Lovely Professional University (LPU), Jalandhar-Delhi G.T. road, N.H.-1, Phagwara, Punjab, India** with **3 years** of experience from **July, 2010 to June, 2013**.

- Research Coordinator, LPU, Phagwara, Punjab.
- Member of Curriculum Development and Review (CDR), LPU, Phagwara, Punjab.
- Exam Coordinator, LPU, Phagwara, Punjab.
- Academic Responsibilities: UG/PG Coordinator, Instructor, Project Evaluator, Admission Coordinator.

➤ **CRM Jat College (Government-Aided), Hisar, Haryana, India**

Taught **graduate** and **undergraduate** courses as **Lecturer** in the Department of Computer Science and Applications at **C.R.M. JAT College, Hisar, Haryana, India** with **2 years** of experience from **August, 2006 to February, 2007; August, 2007 to February, 2008 and July, 2009 to April, 2010.**

**Academic Qualification:**

Degree / Certificate	University / Board	Year of Passing	% / CGPA	Division	Mode of Education
<b>Ph.D. Computer Science &amp; Engineering</b>	DIT University, Dehradun, Uttarakhand, India.	<b>2018</b>	<b>Regn. No. : 1481021001</b> <b>Thesis Title: SOFTWARE AGENTS BASED WEB DATA MINING: AN INTELLIGENT APPROACH</b>		<b>Full-Time / Regular</b>
<b>Pre-Ph.D Course Work Computer Science &amp; Engineering</b>	DIT University, Dehradun, Uttarakhand, India.	<b>2014</b>	83.31 8.77 CGPA	<b>First</b>	<b>Full-Time / Regular</b>
<b>M.Tech. Computer Science &amp; Engineering</b>	Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India. (“A” Grade NAAC Accredited State Government University)	<b>2010</b>	73.71 7.77 CGPA	<b>First</b>	<b>Full-Time / Regular</b>
<b>M.Phil. Computer Science</b>	Chaudhary Devi Lal University, Sirsa, Haryana, India. (“B” Grade NAAC Accredited State Government University)	<b>2008</b>	61.25	<b>First</b>	<b>Part-Time</b>
<b>M.C.A Computer Applications</b>	Kurukshetra University Kurukshetra, Haryana, India. (“A” Grade NAAC Accredited State Government University)	<b>2006</b>	64.27	<b>First</b>	<b>Full-Time / Regular</b>
<b>B.Sc. Computer Science</b>	Kurukshetra University Kurukshetra, Haryana, India. (“A” Grade NAAC Accredited State Government University)	<b>2003</b>	62.55	<b>First</b>	<b>Full-Time / Regular</b>
<b>10+2 Non Medical</b>	Central Board of Secondary Education, Delhi, India.	<b>2000</b>	61.0	<b>First</b>	<b>Full-Time / Regular</b>
<b>10<sup>th</sup> Science</b>	Central Board of Secondary Education, Delhi, India.	<b>1998</b>	71.6	<b>First</b>	<b>Full-Time / Regular</b>

**List of Research Paper Published: 41**

A) **PAPERS (17 International Journals):**

Published in **ESCI / Scopus / Google Scholar / Scientific Commons Index / Ebsco / UGC** listed International Journals

- [1] Priyank Singhal, **Shakti Kundu**, Anil Kumar, “A Comparative Study on Print Production Workflow Systems”, Journal of Xi’an University of Architecture & Technology (**JXAT**), Xian, Shaanxi, China, July 2020, Vol. **12(12)**, pp. 383-389. (ISSN: 1006-7930 / **Scopus / UGC Care List**)

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- [2] Priyank Singhal, **Shakti Kundu**, Anil Kumar, “**An Automation Perspective of Print Production Workflow System**”, International Journal of Innovative Technology and Exploring Engineering (**IJITEE**), Blue Eyes Intelligence Engineering & Sciences Publication, India, January 2020, Vol. **9(3)**, pp. 1979-1983. (ISSN: 2278-3075 / **Scopus / UGC Care List**)
- [3] Priyank Singhal, **Shakti Kundu**, Anil Kumar, “**Print Production Workflow Systems: An Algorithmic Implementation**”, International Journal of Advanced Science and Technology (**IJAST**), NADIA Journal Publication, Tasmania, Australia, October 2019, Vol. **131**, pp. 43-50. (ISSN: 2005-4238 / **Scopus**)
- [4] Amit Kumar, Sanjay Singla, Meenakshi Sharma, **Shakti Kundu**, “**Moth-Dolphin Optimization Algorithm: A Nature Inspired Technique**”, International Journal of Innovative Technology and Exploring Engineering (**IJITEE**), Blue Eyes Intelligence Engineering & Sciences Publication, India, October 2019, Vol. **8(12)**, pp. 2435-2443. (ISSN: 2278-3075 / **Scopus / UGC Care List**)
- [5] Aman Kumar, **Shakti Kundu**, Santosh Kumar, Umesh Kumar Tiwari, Jasmeet Kalra, “**S-TVDS: Smart Traffic Violation Detection System for Indian Traffic Scenario**”, International Journal of Innovative Technology and Exploring Engineering (**IJITEE**), Blue Eyes Intelligence Engineering & Sciences Publication, India, March 2019, Vol. **8 Issue(4S3)**, pp. 06-10. (ISSN: 2278-3075 / **Scopus / UGC Care List / SI published 04july2020**)
- [6] Samarth Godara, **Shakti Kundu**, Ravi Kaler, “**An Improved Algorithmic Implementation of Rail Fence Cipher**”, International Journal of Future Generation Communication and Networking (**IJFGCN**), Science and Engineering Research Support Society, Australia, March 2018, Vol. **11(2)**, pp. **23-32**. (ISSN: 2233-7857 / **ESCI / Proquest / Scopus / UGC Jr. No. 22814**)
- [7] **Shakti Kundu**, M L Garg, “**Analysis, Design and Implementation of Multi Agent System in Web Data Mining**”, International Journal of Future Generation Communication and Networking (**IJFGCN**), Science and Engineering Research Support Society, Australia, December 2017, Vol. **10(12)**, pp. **59-70**. (ISSN: 2233-7857 / **ESCI / Proquest / Scopus / UGC Jr. No. 22814**)
- [8] **Shakti Kundu**, M L Garg, “**Role of Agent Communication Language in WEBMINTEL System**”, International Journal of Database Theory and Application (**IJDTA**), Science and Engineering Research Support Society, Australia, October 2017, Vol. **10(10)**, pp. 35-44. (ISSN: 2005-4270 / **Proquest / Scopus / UGC Jr. No. 2839**)
- [9] **Shakti Kundu**, M L Garg, “**Web Data Mining and Analysis: An Intelligent Perspective**”, International Journal of Advanced Science and Technology (**IJAST**), Science and Engineering Research Support Society, Australia, August 2017, Vol. **105**, pp. 25-36. (ISSN: 2005-4238 / **Scopus / Ebsco / UGC Jr. No. 49016**)
- [10] **Shakti Kundu**, M L Garg, “**Web Mining Intelligent Agents (WEBMINTEL) System**”, International Journal of Advanced Science and Technology (**IJAST**), Science and Engineering Research Support Society, Australia, July 2017, Vol. **104**, pp. 1-12. (ISSN: 2005-4238 / **Scopus / Ebsco / Proquest / UGC Jr. No. 49016**)
- [11] **Shakti Kundu**, M L Garg, “**Web Data Mining through Software Agents**”, International Journal of Computer Applications (**IJCA**), New York, USA, May 2017, Vol. **166(5)**, pp. 44-48. (ISSN: 0975-8887 / **Scientific Commons Index, Google Scholar, CiteSeer, Proquest, NASA Ads / UGC Jr. No. 44570**)
- [12] **Shakti Kundu**, M L Garg, “**Emerging Role of Data Scientist in Big Data**”, International Journal of Computer Applications (**IJCA**), New York, USA, August 2015, Vol. **123(3)**, pp. 15-18. (ISSN: 0975-8887 / **Scientific Commons Index, Google Scholar, CiteSeer, Proquest, NASA Ads / UGC Jr. No. 44570**)
- [13] **Shakti Kundu**, “**Knowledge Management: Value, Technologies and its Implications**”, International Journal of Computer Engineering and Technology (**IJCET**), International Association for Engineering and Management Education, Vol. **4(5)**, Sep-Oct 2013, pp. 182-188. (ISSN: 0976-6367 / **Google Scholar / UGC Jr. No. 45405**)
- [14] **Shakti Kundu**, “**A Review of Future Directions of Web Mining**”, International Journal of Computational Intelligent Theory and Practice (**IJCITP**), Serials Publications, Bi-Annual Journal, Vol. **7(1)**, Jan-June 2012, pp. 17-20. (ISSN: 0973-5267 / **UGC Jr. No. 45649**)
- [15] **Shakti Kundu**, “**An Intelligent Approach of Web Data Mining**”, International Journal on Computer Science and Engineering (**IJCSE**), Vol. **4(5)**, May 2012, pp. 919-928. (ISSN: 0975-3397 / **ICI / UGC Jr. No. 7778**)

- [16] Shakti Kundu, “Cluster Diagnostics and Verification Tool for Effective and Scalable Web Log Analysis”, International Journal of Computer Science and Information Technologies (IJCSIT), Vol. 3(3), May-June 2012, pp. 4097-4100. (ISSN: 0975-9646)
- [17] Kundu Shakti, “Web Testing: Tool, Challenges and Methods”, International Journal of Computer Science Issues (IJCSI), Vol. 9(2:3), SoftwareFirst Ltd. Mauritius, March 2012, pp. 481-486. (ISSN: 1694-0814 / Google Scholar / Scientific Commons Index)

**B) PAPERS (24 International / National Conference Proceedings):**

Published in IEEE International Conferences (+ IEEE Xplore DL) / National Conferences / Seminars

- [1] Gaurav Kumar Rajput, Ashok Kumar, Shakti Kundu, “A Comparative Study on Sentiment Analysis Approaches and Methods”, in Proceedings of 9<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART) organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on December 04<sup>th</sup> - 05<sup>th</sup>, 2020, pp. 435-439. (IEEE Conf. Id: 50582 / ISBN: 978-1-7281-8906-2)
- [2] Priyank Singhal, Naman Mishra, Shakti Kundu, “Application of IoT Products in Smart Cities of India”, in Proceedings of 9<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART) organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on December 04<sup>th</sup> - 05<sup>th</sup>, 2020, pp. 161-163. (IEEE Conf. Id: 50582 / ISBN: 978-1-7281-8906-2)
- [3] Akshay Kumar Siddhu, Ashok Kumar, Shakti Kundu, “Review of Detection of COVID-19 from medical images and/ or symptoms of patient using Machine Learning Approaches”, in Proceedings of 9<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART) organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on December 04<sup>th</sup> - 05<sup>th</sup>, 2020, pp. 39-47. (IEEE Conf. Id: 50582 / ISBN: 978-1-7281-8906-2)
- [4] Naman Mishra, Priyank Singhal, Shakti Kundu, “A Review of GPT-3: An AI revolution from Open AI”, in Proceedings of 5<sup>th</sup> International Conference on Advanced Computing (ICAC) organized by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on November 07<sup>th</sup>, 2020, pp. 99-103. (ISBN: 978-93-5351-850-9)
- [5] Tushar Mehrotra, Gaurav Kumar Rajput, Shakti Kundu, Sandeep Saxena, “Social Aspects of Friend Identification and Profile Ranking in Internet of Things Era”, in Proceedings of National Conference on Industry 4.0 (NCI-4.0) organized by Faculty of Engineering Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on February 29<sup>th</sup>, 2020, pp. 286-289. (ISBN: 978-93-5396-250-0)
- [6] Naman Mishra, Priyank Singhal, Shakti Kundu, “Deepfakes - a boon or a threat: A Review”, in Proceedings of National Conference on Industry 4.0 (NCI-4.0) organized by Faculty of Engineering Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on February 29<sup>th</sup>, 2020, pp. 77-81. (ISBN: 978-93-5396-250-0)
- [7] Asma Anees, Chirag Gupta, Aatur, Shakti Kundu, “Comparative Study on Software Process Models”, in Proceedings of National Conference on Industry 4.0 (NCI-4.0) organized by Faculty of Engineering Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on February 29<sup>th</sup>, 2020, pp. 40-43. (ISBN: 978-93-5396-250-0)
- [8] Ankur Sisodia, Shakti Kundu, “Enrichment of Performance of Operation based Routing Protocols of WSN using Data Compression”, in Proceedings of 8<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART) organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on November 22<sup>nd</sup> - 23<sup>rd</sup>, 2019, pp. 193-199. (IEEE Conf. Id: 46866 / ISBN: 978-1-7281-3244-0 / Date added to IEEE Xplore: 16-June-2020 / DOI: 10.1109/SMART46866.2019.9117307)
- [9] Anshika Sharma, Rishabh Jain, Shakti Kundu, “An Overview on Artificial Intelligence and its Applications”, in Proceedings of 4<sup>th</sup> International Conference on Advanced Computing (ICAC) organized by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on April 26<sup>th</sup>, 2019, pp. 200-206. (ISBN: 978-93-5351-850-9)

- [10] Yash Jain, Ritik Kumar, **Shakti Kundu**, “**A Comparative Study on Computer Architecture**”, in Proceedings of 4<sup>th</sup> International Conference on Advanced Computing (ICAC) organized by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on April 26<sup>th</sup>, 2019, pp. 207-212. (ISBN: 978-93-5351-850-9)
- [11] Ekansh jain, **Shakti Kundu**, “**An Introduction of Android Technology**”, in Proceedings of 4<sup>th</sup> International Conference on Advanced Computing (ICAC) organized by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on April 26<sup>th</sup>, 2019, pp. 252-256. (ISBN: 978-93-5351-850-9)
- [12] Shubham Kumar Jain, **Shakti Kundu**, “**The Time Machine**”, in Proceedings of 4<sup>th</sup> International Conference on Advanced Computing organized (ICAC) by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on April 26<sup>th</sup>, 2019, pp. 288-291. (ISBN: 978-93-5351-850-9)
- [13] **Shakti Kundu**, M L Garg, “**Data Mining and E-commerce Analytics: Emerging Trends and Challenges**”, in Proceedings of 4<sup>th</sup> **IEEE** International Conference on Computing for Sustainable Global Development organized by Department of Computer Science, Bharati Vidyapeeth, New Delhi, India on March 01<sup>st</sup> – 3<sup>rd</sup>, 2017, pp. 1117-1122. (ISBN: 978-93-80544-24-3 / **IEEE** Conference # 40353)
- [14] **Shakti Kundu**, M L Garg, “**Web Log Analyzer Tools: A Comparative Study to Analyze User Behavior**”, in Proceedings of 7<sup>th</sup> **IEEE** International Conference on Cloud Computing, Data Science & Engineering organized by Department of Computer Science & Engineering, Amity University, Noida, Uttar Pradesh, India on January 12<sup>th</sup> - 13<sup>th</sup>, 2017, pp. 17-24. (ISBN: 978-1-5090-3519-9 / IEEE Catalog number: CFP17H92-CDR / **IEEE** Conference # 39970 / **Scopus**)
- [15] Poonam, **Shakti Kundu**, Sanyam Kumar, Kailash Chander, “**Efficient Genetic Algorithm based Image Watermarking using DWT-SVD Techniques**”, in: *Proceedings of TURING 100 International Conference on Computing Sciences (ICCS)* host by Lovely Professional University, Jalandhar-Delhi G.T. road N.H.-1, Phagwara, Punjab, India on September 14-15, 2012, pp. 82-87. **IEEE** Computer Society Order Number E4817, ISBN - 13: 978-0-7695-4817-3, Part Number CFP1258T-CDR / **Scopus**.
- [16] **Shakti Kundu**, Kamini, “**Autonomic Computing: The Future of IT**”, in: *Proceedings of AICTE sponsored two days InterNational Conference on “Recent Trends in Computing, Mechatronics and Communication (RTCMC2012)”* organized by Om Institute of Technology & Management, V.P.O Juglan, Chandigarh Road, Hisar, Haryana, India on February 25-26, 2012, pp. 277-280. ISBN: 978-81-923446-0-7
- [17] **Shakti Kundu**, Nidhi Kundu, “**E-business: Prospects and Challenges**”, UGC sponsored *National Seminar on “Web Information Systems and Technologies”* organized by Department of Computer Applications, Post Graduate Government College for Girls, sector-11, Chandigarh, India on November 09, 2011, pp. 114-118, Printed by Twentyfirst Century Publications, Patiala, ISBN Number 978-93-80144-22-1.
- [18] **Shakti Kundu**, “**Design of Web Data Mining in Agents based E-commerce**”, in: *Proceedings of 2nd IEEE International Conference on Computer and Communication Technology (ICCCT-2011)* organized by Motilal Nehru National Institute Of Technology Allahabad, India on September 15-17, 2011, pp. 01-04. (ISBN: 978-1-4577-1384-2, IEEE Catalog number: CFP111CB-CDR / **Scopus**).
- [19] **Shakti Kundu**, “**Impact of Data Mining on Privacy**”, in: *Proceedings of 7<sup>th</sup> International Conference on Upcoming Trends in IT (ICUTIT-11)* organized by Department of Computer Science, Punjab College of Technical Education, Ferozpur Road, Baddowal, Ludhiana, Punjab, India on March 26, 2011, pp. 174-175.
- [20] **Shakti Kundu**, “**Web Log Analysis using Cluster Diagnostics and Verification Tool**”, in: *Proceedings of three days International Conference on “Reliability, Infocom Technology and Optimization (ICRITO’2010)”* jointly organized by Department of Computer Applications and Department of IT, in association with **Computer Society of India, Delhi Chapter & Region – I**, Lingaya’s University, Nachauli, Faridabad, India on November 1-3, 2010, pp. 277-282 (ISBN:978-81-909732-2-9).
- [21] **Shakti Kundu**, Ritu Nagpal, “**Web Mining Model based on Agents and Perl**”, in: *Proceedings of 4<sup>th</sup> IEEE International Conference on Advanced Computing & Communication Technologies (ICACCT-10)* organized by Asia Pacific Institute of Information Technology (APIIT), Panipat, Haryana, India on October 30, 2010, pp. 636-640. **Technical Sponsors: IEEE Delhi Section**, IEEE Computer Society Chapter Delhi Section and IETE Delhi centre (ISBN: 978-93-80697-28-4).

- [22] **Shakti Kundu**, Ritu Nagpal, “**Role of Multi-Agent System and Clustering in Website**”, in: *Proceedings of National Conference on “Emerging Trends in IT and Computing (ETIC-10)”* organized by Department of IT/MCA, Gurgaon Institute of Technology & Management, Gurgaon, Haryana, India under (UGC-SAP) on March 27, 2010, pp. 287-289. (ISBN: 978-81-8424-585-1)
- [23] **Shakti Kundu**, Ritu Nagpal, “**Data Mining in E-commerce: Issues and Challenges**”, in: *Proceedings of National Conference on “Emerging Trends in IT and Computing (ETIC-10)”* organized by Department of IT/MCA, Gurgaon Institute of Technology & Management, Gurgaon, Haryana, India under (UGC-SAP) on March 27, 2010, pp. 314-317. (ISBN: 978-81-8424-585-1)
- [24] **Shakti Kundu**, Ritu Nagpal, “**Data Mining based on Agents in E-commerce**”, in: *Proceedings of National Conference on “Role and Applications of Information & Communication Technology in Inaccessible Areas (RAICTIA-10)”* organized by Department of CSE, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India under (UGC-SAP) on February 17-18, 2010, pp. 30-33.

### Faculty Development Programme(s) (FDP) Attended / Conducted: **11**

1. Conducted as well as attended Six days Faculty Development Programme on “**Android Development with Kotlin (ADK) – Train the Trainer**” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India in collaboration with Google on October 05<sup>th</sup> - 10<sup>th</sup>, 2020.
2. Attended Five days Faculty Development Programme on “**Creating Video Tutorials**” by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on January 14<sup>th</sup> - 18<sup>th</sup>, 2020.
3. Attended Five days Faculty Development Programme on “**Machine Learning & its Applications**” organized by IIRS ISRO, Dehradun at Indian Institute of Remote Sensing, Dehradun India on June 03<sup>rd</sup> - 07<sup>th</sup>, 2019.
4. Attended Two days Faculty Development Programme on “**Outcome Based Education**” organized by Shivalik College of Engineering in collaboration with Uttarakhand Technical University, Dehrdaun at Shivalik College of Engineering, Dehradun India on November 29<sup>th</sup> - 30<sup>th</sup>, 2018.
5. Attended Five days Faculty Development Programme on “**Importance of Student Induction and How to make Teaching Learning Process Effective**” organized by Shivalik College of Engineering in collaboration with Uttarakhand Technical University, Dehrdaun, India on July 24<sup>th</sup> - 28<sup>th</sup>, 2018.
6. Attended Five days Faculty Development Programme on “**Innovation through Research and Innovative Technologies**” organized by Uttarakhand Technical University, Dehrdaun, India on July 9<sup>th</sup> - 13<sup>th</sup>, 2018.
7. Attended Five days Faculty Development Programme on “**Outcome Based Education**” organized by NITTTR, Chandigarh, India on June 25<sup>th</sup> – 29<sup>th</sup>, 2018.
8. Five days Faculty Development Programme on “**Data Science and Big Data Analytics**” conducted by ICT Academy, held at Shivalik College of Engineering, Dehradun on May 29<sup>th</sup> – June 02<sup>nd</sup>, 2018.
9. Attended One day Faculty Development Program on “**Data Mining and Social Media Analytics - Emerging Trends and Challenges**” organized by Bharati Vidyapeeth’s Institute of Computer Applications & Management (BVICAM), New Delhi on December 21, 2013.
10. Attended One day Faculty Awareness Program on “**Intellectual Property Rights and Environment Conservation**” sponsored by Punjab State Council for Science & Technology, Chandigarh, India held at Lovely Professional University (LPU), Jalandhar-Delhi GT Road (NH-1), Phagwara, Punjab on July 05, 2012.
11. Attended Two days Faculty Development Program on “**Storage Technologies, Data structures and Embedded Operating Systems**” organized by Lovely Professional University (LPU), Jalandhar-Delhi GT Road (NH-1), Phagwara, Punjab on June 15-16, 2012.

### Conferences / Seminars and Workshops Attended: **27**

1. One day “**National Conference on Industry 4.0 (NCI-4.0)**” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on February 29<sup>th</sup>, 2020.
2. Conducted 2 days workshop on “**Machine Learning using Python**” by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India in collaboration with Brain Mentors Pvt. Ltd., New Delhi on February 06-07, 2020.
3. Two days 8<sup>th</sup> International Conference on “**System Modelling & Advancement on Research Trends**” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on November 22<sup>nd</sup> – 23<sup>rd</sup>, 2019.

4. Coordinated 2 days workshop for MCA students on topic “**Network Security and its Concepts**” by **Mr. Kundan Dutt Thakur & Mr. Lalit Kumar**, Evershine Career Private Limited, Noida on October 10-11, 2019 (Organized in Lab No. 3230 / Faculty of Engineering and Computing Sciences / TMU).
5. One day 4<sup>th</sup> “**International Conference on Advanced Computing**” organized by College of Computing Sciences & Information Technology, Teerthanker Mahaveer University, Moradabad, UP, India on April 26<sup>th</sup>, 2019.
6. Three days 4<sup>th</sup> *IEEE International Conference on “Computing for Sustainable Global Development”* organized by Department of Computer Science, Bharati Vidyapeeth, New Delhi, India on March 01<sup>st</sup> - 3<sup>rd</sup>, 2017.
7. One day Workshop on “**IEEE Xplore Digital Library Awareness**” organized by Central Library, DIT University (DITU), Dehradun, Uttarakhand, India on February 20<sup>th</sup>, 2017.
8. Two days 7<sup>th</sup> *IEEE International Conference on “Cloud Computing, Data Science & Engineering”* organized by Department of Computer Science & Engineering, Amity University, Noida, Uttar Pradesh, India on January 12<sup>th</sup> - 13<sup>th</sup>, 2017.
9. Brain Storming Session on “**Skills of Scientific Paper, Projects Writing and Funding Mechanism**” organized by Uttarakhand State Council for Science & Technology (UCOST), Dehradun, in: 10<sup>th</sup> Uttarakhand State Science & Technology Congress on February 10-12, 2016.
10. Two days National Workshop on “**Data Analytics and its Security Issues**” organized by Department of Computer Science Engineering and Information Technology, Jaypee Institute of Information Technology (JIIT), Noida on December 04-05, 2015.
11. Three days International Workshop on “**Intelligent Approaches for Object Oriented Modeling in Component based Software Engineering**” organized by Department of Computer Science and Engineering, Jaypee University of Engineering & Technology (JUET), A.B. Road, Raghogarh, Guna, Madhya Pradesh, India with support of CSI on May 07-09, 2015.
12. One day Workshop on “**Intellectual Property Rights in Knowledge Economy**” organized by Department of Management Studies, DIT University (DITU), Dehradun, Uttarakhand, India on March 30, 2015.
13. Two days AICTE sponsored National Seminar on “**Innovation in ICT: Implications for Business Organizations**” organized by Institute of Management Studies, Dehradun on July 19-20, 2013.
14. Two days “**Research and Entrepreneurship Development Workshop**” organized by School of Computer Applications, Lovely Faculty of Technology and Sciences held at Lovely Professional University (LPU), Jalandhar-Delhi GT Road (NH-1), Phagwara, Punjab on November 22-23, 2012.
15. Two days *TURING 100 International Conference on Computing Sciences (ICCS)* host by Lovely Professional University, Jalandhar-Delhi G.T. road N.H.-1, Phagwara, Punjab on September 14-15, 2012.
16. AICTE sponsored two days *International Conference on “Recent Trends in Computing, Mechatronics and Communication (RTCMC2012)”* organized by Om Institute of Technology & Management, V.P.O Juglan, Chandigarh Road, Hisar (Haryana) on February 25-26, 2012.
17. One day UGC sponsored *National Seminar on “Web Information Systems and Technologies”* organized by Department of Computer Applications, Post Graduate Government College for Girls, sector-11, Chandigarh on November 09, 2011.
18. Three days 2<sup>nd</sup> *IEEE International Conference on “Computer and Communication Technology (ICCCT-2011)”* organized by Motilal Nehru National Institute Of Technology Allahabad - 211004, India on September 15-17, 2011.
19. One day *International Conference on “Upcoming Trends in IT (ICUTIT-11)”* organized by Department of Computer Science, Punjab College of Technical Education, Ferozepur Road, Baddowal, Ludhiana, Punjab on March 26, 2011.
20. Three days *International Conference on “Reliability, Infocom Technology and Optimization (ICRITO’2010)”* jointly organized by Department of Computer Applications and Department of IT, in association with **Computer Society of India, Delhi Chapter & Region – I**, Lingaya’s University, Nachauli, Faridabad on November 1-3, 2010.
21. One day 4<sup>th</sup> *IEEE International Conference on “Advanced Computing & Communication Technologies (ICACCT-10)”* organized by Asia Pacific Institute of Information Technology (APIIT), Panipat on October 30, 2010.
22. One day National Conference on “**Emerging Trends in IT and Computing (ETIC-10)**” organized by Department of IT/MCA, Gurgaon Institute of Technology & Management, Gurgaon on March 27, 2010.
23. One day National Workshop on “**Recent Trends in Mathematics and Computing (RTMC-10)**” conducted by Department of Computer Engineering & Information Technology and Department of Mathematics at “The Technological Institute of Textile & Sciences”, Bhiwani on March 13, 2010.

24. One day National Workshop on “**Recent Trends in Engineering and Technology (RTET-10)**” organized by Faculty of Engineering & Technology, Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar on March 06, 2010.
25. One day National Seminar on “**Emerging Marketing Strategies**” organized by Department of Commerce, Chhaju Ram Memorial Jat College, Hisar, sponsored by: Higher Education Commissioner, Haryana on February 20, 2010.
26. Two days National Conference on “**Role and Applications of Information & Communication Technology in Inaccessible Areas (RAICTIA-10)**” organized by Department of Computer Science and Engineering, Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar under (UGC-SAP) on February 17-18, 2010.
27. One day National Workshop on “**Recent Trends in Engineering and Technology (RTET-09)**” organized by Faculty of Engineering & Technology, Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar on March 17, 2009.

### Topics of Interest:

- Software Engineering ; Web Data Mining ; Big Data Analytics; Information Retrieval
- Digital Marketing, OOPs and C++, Operating System

### Supervising Ph.D. Candidate(s): **01** (supervised) + **03\*** (under supervision)

S. No.	Scholar Name	Research Topic	Enrollment No.	University	Registration Year	Status
1.	Mr. Priyank Singhal	<i>Development and Analysis of Workflow Technologies with Special Reference to Small Scale Print Providers</i>	TMU 10 Ph.D. 109	Teerthanker Mahaveer University, Moradabad	2011	Submitted
2.	Mr. Gaurav Kumar Rajput	<i>An Analytic Study of Sentiment Analysis using Machine Learning Approaches</i>	TCA 20 Ph.D. 185	Teerthanker Mahaveer University, Moradabad	2020	Ongoing
3.	Ms. Aishwarya Tomer	<i>A Secure Architectural Design and Performance Evaluation for Cloud of Things</i>	TCA 20 Ph.D. 183	Teerthanker Mahaveer University, Moradabad	2020	Ongoing
4.	Mr. Akshay Kumar Siddhu	<i>Detection of COVID-19 from medical images and / or symptoms of human using Machine Learning Approaches</i>	TCA 20 Ph.D. 181	Teerthanker Mahaveer University	2020	Ongoing

### Ph.D. Thesis Evaluated: **01**



S. No.	Scholar Name	Research Topic	Enrollment No.	University	Registration Year	Evaluated
1.	Ms. Kamini	<i>A Composite Security Protocol Architecture to Enhance the End-To-End Security in Hybrid Networks</i>	1314005	IKG Punjab Technical University (PTU), Jalandhar	2013	Yes

### Book Editor / Authored Book Chapter(s): 02 / 10

#### Number of chapter(s) authored for Book(s): 10

[1] **Kundu, S.** (2020). 'Software Engineering and its Process Models' in Kundu, S. (ed.), *Software Engineering: A Systematic Approach*. Lulu Publication, 3101 Hillsborough St, Raleigh, NC 27607, United States, pp 01-16. (ISBN: 978-1-71603-172-4)

[2] Mehrotra, T., & **Kundu, S.** (2020). 'Software Requirement Analysis and Specification' in Kundu, S. (ed.), *Software Engineering: A Systematic Approach*. Lulu Publication, 3101 Hillsborough St, Raleigh, NC 27607, United States, pp 17-24. (ISBN: 978-1-71603-172-4)

[3] Kumar, A. & **Kundu, S.** (2020). 'Software Design and Development' in Kundu, S. (ed.), *Software Engineering: A Systematic Approach*. Lulu Publication, 3101 Hillsborough St, Raleigh, NC 27607, United States, pp 25-46. (ISBN: 978-1-71603-172-4)

[4] Rajput, G. K., & **Kundu, S.** (2020). 'Software Testing and its Levels' in Kundu, S. (ed.), *Software Engineering: A Systematic Approach*. Lulu Publication, 3101 Hillsborough St, Raleigh, NC 27607, United States, pp 47-69. (ISBN: 978-1-71603-172-4)

[5] Singh, N. & **Kundu, S.** (2020). 'Software Maintenance and Quality Standards' in Kundu, S. (ed.), *Software Engineering: A Systematic Approach*. Lulu Publication, 3101 Hillsborough St, Raleigh, NC 27607, United States, pp 70-81. (ISBN: 978-1-71603-172-4)

[6] **Kundu, S.** (2021). 'Introduction to Digital Marketing' in Kundu, S. (ed.), *Digital Marketing Trends and Prospects*. BPB Publications India, pp 01-24. (ISBN: 978-93-8989-858-3 / In Press)

[7] **Kundu, S.** (2021). 'Search Engine Optimization (SEO): The Core of Digital Marketing' in Kundu, S. (ed.), *Digital Marketing Trends and Prospects*. BPB Publications India, pp 25-52. (ISBN: 978-93-8989-858-3 / In Press)

[8] **Kundu, S.** (2021). 'E-mail Marketing and Digital Display Advertising' in Kundu, S. (ed.), *Digital Marketing Trends and Prospects*. BPB Publications India, pp 53-86. (ISBN: 978-93-8989-858-3 / In Press)

[9] **Kundu, S.** (2021). 'Social Media Marketing' in Kundu, S. (ed.), *Digital Marketing Trends and Prospects*. BPB Publications India, pp 87-114. (ISBN: 978-93-8989-858-3 / In Press)

[10] **Kundu, S.** (2021). 'Mobile Marketing and Web Analytics' in Kundu, S. (ed.), *Digital Marketing Trends and Prospects*. BPB Publications India, pp 115-133. (ISBN: 978-93-8989-858-3 / In Press)

### International / National Technical Talk: 02

As a Keynote Speaker, delivered a technical session on the topic "Journey with Software Engineering: Global Market Perspective" at Daffodil International University, Bangladesh on 13<sup>th</sup> June, 2020.

#### Video URL:

<https://www.facebook.com/DIUGCPC/videos/3213143092070867/?t=0>

As a Keynote Speaker, delivered guest lecture on "Software Development Trends for Industry 4.0" organized by Pranveer Singh Institute of Technology (PSIT), Kanpur, India on 05<sup>th</sup> September, 2020.

#### Zoom Meeting Link:

[https://zoom.us/rec/share/x-pW6IzkjSN7R9\\_ug4DQJUHmVTwsDQ5jGW2oG1frcfvjfytJXD5XE-S8n6L83zf.x3HUIhkbmoLK4l6o](https://zoom.us/rec/share/x-pW6IzkjSN7R9_ug4DQJUHmVTwsDQ5jGW2oG1frcfvjfytJXD5XE-S8n6L83zf.x3HUIhkbmoLK4l6o)

**Access Passcode:** +M#6&JC+

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**Patent Published: 02**

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**Application Number:** 202011029594

**Patent Title / Title of Invention:** ACS-System: Advance Customer Service System using Machine Learning and Artificial Intelligence Programming

**Field of Invention:** Electronics

**Applicant Name(s):** Dr. Shakti Kundu, Dr. Puja Shrivastava, Dr. Rakesh Kumar, Dr. Sangeetha G, Dr. Manoj Kumar Pandey, Mr. Sachin Sudam Shinde

**Date of Filing:** 13-July-2020

**Publication Date:** 28-August-2020

**Application Number:** 202011031626

**Patent Title / Title of Invention:** Social Media Sentiments Calculus: Profile Based Mapping Social Media Sentiments Calculus using Cloud Computing, Deep Learning Programming

**Field of Invention:** Computer Science

**Applicant Name(s):** Dr. Manish Saraswat, Dr. Shakti Kundu, Dr. Vivek Mehrotra, Dr. Shiva Durga, Mr. Ch. Rayala VinodKumar, Dr. Jyothi Mandala

**Date of Filing:** 23-July-2020

**Publication Date:** 28-August-2020

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**Additional Qualification:**

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I have done “One Year Honors Diploma in Web-Centric Computing” from NIIT.

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**Online Courses attended / completed:**

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**Online Courses / Elsevier Researcher Academy: 12**

*Details:*

- **Certificate of Excellence** for successful completion of modules on “Fundamentals of manuscript preparation”
  - Certificate for successful completion of module on “Guide to reference managers: How to effectively manage your references”
  - Certificate for successful completion of module on “How to prepare your manuscript”
  - Certificate for successful completion of module on “Structuring your article correctly”
  - Certificate for successful completion of module on “How to write an abstract and improve your article”
- Certificate for successful completion of module on “How to conduct evidence-based research”
- **Certificate of Excellence** for successful completion of modules on “Fundamentals of publishing”
  - Certificate for successful completion of module on “10 reasons to get –and use –an ORCID ID”
  - Certificate for successful completion of module on “The journal publishing cycle”
  - Certificate for successful completion of module on “Making sense of science stories”
  - Certificate for successful completion of module on “The origins of scientific publishing”
  - Certificate for successful completion of module on “Gender Bias in academic publishing”

**Online Courses / Amity Future Academy: 03**

*Details:*

- **Certificate for successful completion of course in** “Digital Marketing Strategies” offered by Amity Future Academy on 18<sup>th</sup> April, 2020.
- **Certificate for successful completion of course in** “Data Science” offered by Amity Future Academy on 21<sup>st</sup> April, 2020.
- **Certificate for successful completion of course in** “Machine Learning & Artificial Intelligence” offered by Amity Future Academy on 22<sup>nd</sup> April, 2020.

**Online Courses / NVIDIA Deep Learning Institute: 01**

**Details:**

- *Certificate for successful completion of course in “Fundamentals of Deep Learning for Multiple Data Types” offered by NVIDIA DLI on 20<sup>th</sup> November, 2020.*

**Online Videos created:**

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**Online Videos: 02****Details:**

*SOFTWARE ENGINEERING - Software Development Life Cycle*

<https://youtu.be/aeH04sO8qXw>

*OOPs and C++ - Containership and Inheritance*

<https://youtu.be/CNPkINLwQb4>

**Membership of Professional Bodies: 5 (CSI, ISTE, IAENG, AIRCC, IAEME)**

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- Life member of **Computer Society of India (CSI)**.  
(Member Code: I1078417)
- Lifetime membership of **Indian Society for Technical Education (ISTE)**.  
(Member Number: LM 78153)
- Lifetime membership of **International Association of Engineers (IAENG)** with a member of following societies:
  - the IAENG Society of Computer Science
  - the IAENG Society of Data Mining  
(Member Number: 110357)
- Member of **Academy & Industry Research Collaboration Center (AIRCC)** with following communities:
  - Database Management Systems Community (DBMSC)
  - Software Engineering & Security Community (SESC)  
(Membership Id: 128748)
- Fellow membership of **International Association for Engineering and Management Education (IAEME)**. (Member Code: FM10122)

**Letter of Appreciation:**

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- On publication of Book chapter titled “Impact of Data Mining on Privacy” in: proceedings of 7<sup>th</sup> International conference on Upcoming Trends in IT (ICUTIT – 11)”, Punjab College of Technical education, Ludhiana, 2011.  
**By: Ms. Rashmi Mittal, Pro Chancellor / LPU Punjab, India dated 18<sup>th</sup> May, 2011.**
- On publication of manuscript titled “Web Testing: Tool, Challenges and Methods” in: International Journal of Computer Science and Issues (IJCSI)”, Vol. 9(2), pp 481-486, 2012.  
**By: Ms. Rashmi Mittal, Pro Chancellor / LPU Punjab, India dated 19<sup>th</sup> May, 2012.**

**Chaired a Technical Session in various International Conferences during 2018, 2019, 2020:**

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- Chaired a technical session in **9<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART-2020)** organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 04<sup>th</sup> -05<sup>th</sup> December, 2020.
- Chaired a technical session in **8<sup>th</sup> International Conference on System Modelling & Advancement on Research Trends (SMART-2019)** organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 22<sup>nd</sup> -23<sup>rd</sup> November, 2019.
- Chaired a technical session in **International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019)** at Amity University Rajasthan, Jaipur, India on 26<sup>th</sup> -28<sup>th</sup> February, 2019.
- Reviewer in **2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019)** at Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh on 8<sup>th</sup> -9<sup>th</sup> February, 2019.
- Chaired a technical session in **14<sup>th</sup> International Conference on “Research and development in India as Multi Disciplinary Approach”** organized by Shivalik College of Engineering, Dehradun and South Asia Management Association (SAMA) at Shivalik College of Engineering, Dehradun, India on 29<sup>th</sup>-30<sup>th</sup> December, 2018.

**Technical Program Committee Member / Reviewer of International Conference(s):**

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- Technical Program Committee Member / Reviewer of International Conference(s) such as:

- ICCIS 2021 / Sharda University, Greater Noida, Uttar Pradesh, India.
- SMART 2020 / Teerthanker Mahaveer University Moradabad, Uttar Pradesh, India.
- ICAAAML 2020 / Sharda University, Greater Noida, Uttar Pradesh, India.
- ICAC 2020 / Teerthanker Mahaveer University Moradabad, Uttar Pradesh, India.
- NCI-4.0 2020 / Teerthanker Mahaveer University Moradabad, Uttar Pradesh, India.
- ICICV 2020 / Manipal University Jaipur, Rajasthan, India.
- ICAN 2020 / Chitkara University, Rajpura, Punjab, India.
- SUSCOM 2019 / Amity University Jaipur, Rajasthan, India.
- RTCAIT 2019 / Maharsishi Markandeshwar Deemed University Mullana, Haryana, India.
- ICACSE 2019 / Kamla Nehru Institute of Technology Sultanpur, Uttar Pradesh, India.
- ICAC 2019 / Teerthanker Mahaveer University Moradabad, Uttar Pradesh, India.
- SMART 2019 / Teerthanker Mahaveer University Moradabad, Uttar Pradesh, India.

### Webinar / Online FDP / Online Workshop: 30

1. Certificate of Achievement for attending the Webinar on “The Impact of IEEE Standards on Internet of Things” organized by IEEE Uttar Pradesh section on 10<sup>th</sup> April, 2020.
2. Certificate of Participation for attending the Webinar on “Microsoft EduCloud and Digital Transformation with 21<sup>st</sup> Century Tools” organized by Deptt. Of CSE, Harcourt Butler Technical University, Kanpur in collaboration with Cloud Education Learning Pvt. Ltd., Microsoft Partner on 12<sup>th</sup> May, 2020.
3. Certificate of Participation for attending the 3 days Webinar on “Game Design & Texturing using Substance Painter” organized by Faculty of Engineering & Computing Sciences from 17<sup>th</sup>- 19<sup>th</sup>May, 2020.
4. Attended 7 days online International FDP on “Novel Approaches on BlockChain Technology & Its Application” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India from 22<sup>nd</sup>- 28<sup>th</sup>May, 2020.
5. Attended 5 days online FDP on “Artificial Intelligence” organized by Department of Information Technology, SIR C R Reddy College of Engineering, Eluru in collaboration with Brain O Vision Solution Pvt. Ltd. from 22<sup>nd</sup>- 26<sup>th</sup>May, 2020.
6. Attended 1 day Webinar on “Cyber Security Challenges in Online Digital Classes During Covid-19” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 27<sup>th</sup> May, 2020.
7. Attended 4 days National Webinar on "Role of Computing Technology in Human Lives with CORONA Virus: Challenges and prevention" organized by School of Computer Science, University of Petroleum and Energy Studies (UPES), Dehradun in collaboration with CSTT, MHRD, Govt. of India from 26<sup>th</sup>- 29<sup>th</sup>May, 2020.
8. Attended 2 days International Workshop on “Education 4.0: Transformation of Learning Environment” organized by Rajkiya Engineering College (REC), Banda in collaboration with Consilio Intelligence Research Lab from 29<sup>th</sup>- 30<sup>th</sup>May, 2020.
9. Attended 5 days Global E-Symposium on “Global Pandemic Outbreak: Role of Technology & Automation” organized by the Deptt. of CSE, JSS Academy of Technical Education, Noida from 01<sup>st</sup>- 05<sup>th</sup>June, 2020.
10. Attended 5 days Online International FDP on “Recent Advances in Computer Science and Allied Domains” organized by School of Engg. & Tech., Sharda University, Greater Noida from 08<sup>th</sup>- 12<sup>th</sup>June, 2020.
11. Attended 1 day Webinar on “The Role of TMU in Fighting with COVID-19 in Moradabad Zone” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 01<sup>st</sup> June, 2020.
12. Attended 2 days Webinar on “Industrial Attributes & Role of IoT during COVID-19” organized by Faculty of Engineering & Computing Sciences, Deptt. of ECE in association with Soft Pro India Computer Tech. Pvt. Ltd., Teerthanker Mahaveer University, Moradabad, UP, India from 08<sup>th</sup> - 9<sup>th</sup> June, 2020.
13. Attended 1 day International Webinar on “Writing a Research Grant Proposal” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 15<sup>th</sup> June, 2020.
14. Attended 2 day International Webinar on “Current Research Trends with respect to Industry 4.0” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India from 17<sup>th</sup> - 18<sup>th</sup> June, 2020.
15. Attended 5 days International FDP on “Digital Learning with Multi-Disciplinary Approach” organized by the Deptt. of Computer Application, JSS Academy of Technical Education, Noida from 12<sup>th</sup>- 17<sup>th</sup>June, 2020.

16. Attended 5 days FDP on “Transforming Education with Industry 4.0” organized by the Deptt. of CSE, Jaypee University of Information Technology, Wagnaghat, Solan from 15<sup>th</sup>- 20<sup>th</sup> June, 2020.
17. Attended 3 days International FDP from “Ways to Improve Career Skills during COVID-19 Pandemic” Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India from 24<sup>th</sup> - 26<sup>th</sup> June, 2020.
18. Attended 1 day Webinar on “Cloud Computing with SAP” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 28<sup>th</sup> June, 2020.
19. Attended 1 week Online FDP on "Emerging Technologies of Fourth Industrial Revolution (4IR): A Practical Approach to Theoretical Conversion" organized by School of Computing, Department of Software Engineering, SRM Institute of Science & Technology from 29th June to 04th July, 2020.
20. Attended 2 days Webinar on “Understanding AutoCAD for beginner” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India from 07<sup>th</sup> - 08<sup>th</sup> July, 2020.
21. Attended 1 day Webinar on “Role of Information Security in the Digital Era” organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India in collaboration with iNurture Solutions on 11<sup>th</sup> July, 2020.
22. Attended 5 days online international FDP on “Recent Trends in Computer Science & IT” organized by the Deptt. of CSE, RKG Institute of Technology, Ghaziabad, Uttar Pradesh from 13<sup>th</sup>- 17<sup>th</sup> July, 2020.
23. Attended 5 days online FDP on “Computational Intelligence Systems and Security” organized by School of CSE, Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir from 20<sup>th</sup>- 24<sup>th</sup> July, 2020.
24. Attended 2 days National E-webinar on "Digital Marketing Trends and Prospects in 2020" organized by Computer Science & Engineering department, Women Institute of Technology (WIT), Uttarakhand in collaboration with Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, India from 17<sup>th</sup>-18<sup>th</sup> August, 2020.
25. Attended 1 day webinar on "Role of AI in National Education Policy" organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India on 22<sup>nd</sup> August, 2020.
26. Attended 1 week lecture series / short term course organized by Women Institute of Technology, Dehradun, UK, India under Young Professional Affinity Group, IEEE UP section & sponsored by TEQIP-III from 24<sup>th</sup>-29<sup>th</sup> August, 2020.
27. Attended 5 days FDP on “Soft Computing” organized by Amrapali Group of Institutes (AGI) with TEQIP-III, Nainital from 2<sup>nd</sup> - 6<sup>th</sup> September, 2020.
28. Attended One Week Symposium on "Purpose, Challenges and Implications of National Education Policy 2020" organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India from 05<sup>th</sup> - 11<sup>th</sup> September, 2020.
29. Attended 5 days FDP on "Android Development with Kotlin – Train the Trainer" organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University, Moradabad, UP, India in collaboration with Google from 05<sup>th</sup> - 10<sup>th</sup> October, 2020.
30. Attended 5 days FDP on "Information Security: Issues and Challenges" sponsored by ISEA-II and organized by department of CSE, MNNIT Allahabad, Prayagraj, UP, India from 17<sup>th</sup> – 21<sup>st</sup> November, 2020.

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**Reviewer of International Journal(s): 08**

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**No. of Manuscript / Research Papers Reviewed: 40**

- **Reviewer of International Journal of Creative Research Thoughts (IJCRT) and International Journal of Research and Analytical Reviews (IJRAR) / Member Id: 115784**
- **Reviewer of International Journal of Healthcare Information Systems and Informatics (IJHISI / IGI Global)**
  1. Evaluating the Presence of Hospitals on Social Media: An Analytical Study of Private and Public Hospital Instagram Accounts in the State of Kuwait / 2020
  2. Evaluating Mobile Patient Portals from Health Behavioral Change Support Perspective: Mining User Feedback Using Topic Modeling / 2020
- **Reviewer of International Journal of Engineering Research and Technology (IJERT / IJERTREW3428)**
  1. A Robust & Intelligent Machine Learning Algorithm for Software Testing / 2020
  2. Mine Productivity Issues: A Case Study of Mopani Mindola Subvertical Mine, Zambia / 2020
  3. Multi-Agent Systems: A Review Study / 2020
  4. An Enhancement over BIRCH Hierarchical Clustering Algorithms for Better Partitioning of Medical Data / 2020

5. Developing Brain Tumor Detection Model Using Deep Feature Extraction Via Transfer Learning / 2020
6. Extraction of Road Network from Satellite images using EfficientNet: A Deep learning Approach / 2020
7. Usability Evaluation of Punjab Job Portal Using Heuristic Evaluation Guidelines / 2020
- **Reviewer of IEEE Transactions on Computers / IEEE Computer Society**
  1. CryptSQLite: SQLite with High Data Security (Review TC-2019-03-0161)
  2. Pipelined Hardware Implementation of COPA, ElmD and COLM (Review TC-2019-02-0064)
- **Reviewer of International Journal of Engineering & Technology (IJET), SPC, UAE / ESCI**
  1. Adaptive Modelling and Simulation of Wireless Sensor Radio Energy depends On Probabilistic and Stochastic Analysis
- **Reviewer of Computer Applications in Engineering Education (CAE), Wiley, USA / SCIE**
  1. Decision Making in Engineering Education through the use of Learning Analytics - A Systematic Mapping Study
- **Reviewer of Journal of Intelligent Manufacturing (JIMS), Springer, Netherlands / SCIE**
  1. Approach for fault prognosis using recurrent neural network
- **Reviewer of International Journal of Research in Computer Science (IJORCS), India**
  1. Opinion Mining and Semantic Extraction in E-Govt –SMART-G: A Text mining Approach
  2. Validation of the Construct of Students' satisfaction in using Social Network Sites (SNS) in learning
  3. Parallel Implementation of K-Means on Multi-Core Processors
  4. Avoiding Over-generalization ERP Business Processes using Process Mining Trace Clustering
  5. An Efficient Algorithm Proposed for Big Data
  6. Semantic Ontology Framework for B2C E-commerce Transaction on the Internet
  7. On a Cohesive Focused and Path-ascending Crawling Scheme for improved search results
  8. Search Engine Optimization for Page Ranking using Collaborative Methods: A Review
  9. The Nearest Neighbor Algorithm for Consulting Behavioral Disorders in Children
  10. Abstract Implementation of Graph Mining Technique using Structural Datum in Viral Marketing
  11. Privacy Preserving Temporal Data Mining
  12. Automated Program Evaluation System
  13. An Effective E-Commerce Management using Mining Techniques
  14. Automatic Resume Recommender System using Artificial Immune Systems Approach
  15. Emotion Based Music Genre Identification From Affective Audio Through Data Mining
  16. Enhancement of Marketing Strategies using Weighted Association Rule Mining
  17. Hybrid Model for Preprocessing and Clustering of Web Server Log
  18. Performance Analysis of Book Recommendation System on Hadoop Platform
  19. Web Usage Mining through Efficient Genetic Fuzzy C-Means Soil Testing Reports Extracted Using Combined Mining Patterns
  20. Analysis Of Web Server Log By Web Usage Mining For Extracting Users Patterns
  21. Mobile Banking Services as Adoption and Challenges: A Case of M-Banking in India (Positive and Negative Impacts, Mobile Growth in India, Adoption Models and Mobile Technology)
  22. A Heuristic Based AGE Algorithm for Search Engine
  23. Approach to Manage Resources in Linux
  24. Robust Feature Selection and Clustering Algorithms for Network Intrusion Detection
  25. IARM with User Specified Constraint and K-Subset Methodology
  26. Effect of Income and Literacy Level on Factors that Influences Users Adoption of Mobile Commerce in Nigeria

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**Personal Information:**

**Date of Birth** : 27<sup>th</sup> August, 1982

**Marital Status** : Married

**Father's Name** : Shri SHAMSHER KUNDU

**Passport No.** : N3932753 / Date of Issue: 20-Oct-2015 / Date of Expiry: 19-Oct-2025

Hopefully my CV will satisfy you in every respect.

Thanking you in anticipation.

Date: 17<sup>th</sup> December, 2020

Place: Moradabad

  
**(Dr. SHAKTI KUNDU)**

**Name and Address of 3 Referees:**

Sr. No.	Name	Organization	Address
1.	Dr. Rattan Pal Singh Rana Professor, i-Nurture Solutions Pvt. Ltd.	Teerthanker Mahaveer University (TMU), Moradabad, Uttar Pradesh, India.	i-Nurture Solutions Pvt. Ltd., Teerthanker Mahaveer University (TMU), Moradabad, Uttar Pradesh, India. <b>rattanrana77@gmail.com</b> <b>+91 - 8570041669</b>
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**About the Candidate:**

**Dr. Shakti Kundu** working as an Associate Professor in the Faculty of Engineering & Computing Sciences at Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India. He received his Ph.D. in Computer Science & Engineering from DIT University, Dehradun, Uttarakhand, India, M.Tech. in Computer Science & Engineering from Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India, M.Phil. in Computer Science from Chaudhary Devi Lal University, Sirsa, Haryana, India and M.C.A. from Kurukshetra University Kurukshetra, Haryana, India. His current research interests are Web Data Mining, Software Engineering, Information Security and Expert Systems. He brings to his classes, over 13 years of teaching experience in TMU, Moradabad / DITU, Dehradun / IJU, Dehradun / LPU, Jalandhar and CRMC, Hisar, where he has taught subjects like Big Data Analytics, Software Engineering, System Analysis and Design, Multimedia System, Object Oriented Analysis & Design, Operating System and Data Mining. He also worked with various reputed universities and holds administrative experience as well. He has chaired & delivered various technical sessions at the national / international level and has published more than 41 research paper(s) in reputed journals and conferences, which are indexed in various international databases. He supervised many master and doctorate students in the various phases of dissertation. Dr. Kundu has edited 2 books and authored 10 book chapters in the field of Software Engineering and Digital Marketing with national and international publishers. Moreover, he has published 2 Patents in the field of artificial intelligence, machine learning and deep learning. Contributed as organizer of many international conferences in association with IEEE such as SMART 2020, SMART 2019. He is a life member of CSI, ISTE, IAENG, AIRCC, and IAEME.