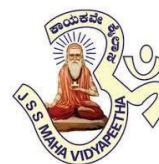





JSS Mahavidyapeetha
JSS Academy of Technical Education
Department of Information Technology



FACULTY PROFILE

1. Personal Details

| | | |
|------------------------------|---------------------------------|--|
| NAME | Dr. BIRENDRA KUMAR VERMA |  |
| DEPARTMENT | Information Technology | |
| DESIGNATION | Assistant Professor | |
| PHONE | 0120-2400115 | |
| EMAIL ID | birendraverma@jssaten.ac.in | |
| Date of Joining (JSSATEN) | 15-Feb-2005 | |

2. Experience

| | | | |
|---------------------------------------|--------------------|---------------|-------------|
| Total Experience in Years:22 years | Teaching: 22 Years | Industry: Nil | Research:06 |
|---------------------------------------|--------------------|---------------|-------------|

3. Qualifications

| COURSES | SPECIALIZATION | Year of Award | INSTITUTION | UNIVERSITY |
|-------------------------------|----------------|---------------|------------------------------------|-----------------------|
| B.E. / M.Sc., | CSE | 2003 | I.E.T, Lucknow | Lucknow University |
| M.E. / M.Tech. / M.Sc. | CSE | 2014 | NITTTR ,Chandigarh | Panjab University |
| Ph.D. | CSE | 2025 | Banasthali Vidyapith, Rajasthan | Banasthali University |
| Post Doc. | | | | |

4. Research & Publications

| | | |
|---|---|--------------|
| Papers Published in Web of Science indexed Journals | International: 02 | National: 00 |
| Papers Published in SCOPUS indexed Journals | International: 04 | National: 00 |
| Papers Published in other Journals | International: 00 | National: 00 |
| Papers Presented in Conferences / Symposium | International: 02 | National: 00 |
| Books / Book chapters Published | | |
| | Name of the book: Publisher: Year of Publication: | |

5. Research Guidance

| | | |
|------------------------------------|-----------------------------------|--|
| PhD Guide? Give field & University | | |
| PhDs / Projects Guided | Ph.D.Awarded: Yes Guiding: NIL | Projects at Master's Level: 00 Projects at Bachelor's Level: 40 |

6. Grants

i. Funds Received (Projects)

| Project Name | Grant Amount | Date of receiving the Grant | Duration | Grant issuing authority/ Body / Organization |
|--------------|--------------|-----------------------------|----------|--|
| - | - | - | - | - |

ii. Patents

| Sl. No. | Title Details | Details of award of patent / Filed |
|---------|--|------------------------------------|
| 1 | Peer-to-Peer Energy Trading Model Using Blockchain and IOT- Based Microcontroller. Application no- 202211061832A, Date of filling of Application- 31/10/2022, Publication Date- 04/11/2022. | Published |
| 2 | A proficient web based health tracking system provided by cloud computing and machine learning, Application No.202211071370 A, Date of filing of Application :10/12/2022, Publication Date : 23/12/2022. | Published |
| 3 | Design an automated text grading system for scoring text, Application No.202411041578 A, Date of filing of Application :29/05/2024, Publication Date : 07/06/2024. | Published |

iii. Consultancy

| Title of the work | Amount in Rs. | Date of receiving the Grant | Duration | Grant issuing authority/ Body / Organization |
|-------------------|---------------|-----------------------------|----------|--|
| | | | | |

7. Awards Received

| | |
|--|--|
| | |
|--|--|

8. Publications

i. International Journals

| Sl. No | Title of the paper | Name(s) of Author(s) | Name of the Journal | Volume No. Issue No. Year | WOS / Scopus / Both | Impact Factor | Publisher |
|--------|--|--|---|--------------------------------------|---------------------|---------------|-----------|
| 1 | Software security with natural language processing and vulnerability scoring using machine learning approach | Birendra Kumar Verma; Ajay Kumar Yadav | Journal of Ambient Intelligence and Humanized Computing | Volume 15, pages 2641–2651, (2024) | YES | | Springer |
| 2 | Advancing Software Vulnerability Scoring: A Statistical Approach with Machine Learning Techniques and GridSearchCV Parameter Tuning. | Birendra Kumar Verma; Ajay Kumar Yadav | SN Computer Science Publishing model | Volume 5, article number 595, (2024) | YES | | Springer |
| 3 | Pneumonia detection with QCSA network on chest X-ray | Birendra kumar verma et al | Scientific Reports | 13, Article number: 9025 (2023) | SCIE, WOS | 5 | Nature |
| 4 | Efficient pneumonia detection using Vision Transformers on chest X-rays | Birendra kumar verma et al | Scientific Reports | 14, Article number: 2487 (2024) | SCIE, WOS | 5 | Nature |

ii. National Journals

| Sl. No. | Title of the paper | Name(s) of Author(s) | Name of the Journal | Volume No. Issue No. Year | WOS / Scopus / Both | Impact Factor | Publisher |
|---------|--------------------|----------------------|---------------------|---------------------------|---------------------|---------------|-----------|
| | | | | | | | |

iii. Conferences

| Sl. No. | Title of the paper | Name(s) of Author(s) | Name of the Conference | Volume No. Issue No. Year | WOS / Scopus | Impact Factor | Publisher |
|---------|--|---|--|---------------------------|--------------|---------------|-----------|
| 1 | Software Vulnerability Classification Using Learning Techniques | Birendra Kumar Verma, Ajay Kumar Yadav & Vineeta Khemchandani | Applications of Computational Intelligence in Management & Mathematics | vol 417,2023 | YES | | Springer |
| 2 | Software Vulnerability Analysis Based on Statistical Characteristics | Birendra Kumar Verma; Ajay Kumar Yadav | Advances in Artificial-Business Analytics and Quantum Machine Learning | vol 1191,pp 133–145,2024 | YES | | Springer |

iv. Workshops /Conferences Attended

| Sl. No. | Name of the workshop / Conference | Organizer | Date |
|---------|--|---|---|
| 1 | ‘Cyber Security’ | conducted by IIT, Bombay | 10 th July to 20 th July ,2014 |
| 2 | ‘Soft Computing and application’ | ISI, Kolkata and JSSATE, Noida | 02-04,2014 |
| 3 | ‘Emerging Trends in Computing Education’ | CSE/IT Department IIIT, Noida | 06 th July to 11 th July ,2015. |
| 4 | “Php & MySQL” | NITTTR, Chandigarh | 31/08/2015 to 04/09/15 |
| 5 | “Instructional Planning & Delivery” | NITTTR, Chandigarh | 16/11/2015 to 20/11/15 |
| 6 | “Innovation, Youth and Social Entrepreneurship” | EDIC Department NITTTR, Chandigarh | 18/01/2016 to 29/01/16 |
| 7 | “Effective Curriculum Implementation” | NITTTR, Chandigarh | 07/03/2016 to 11/03/16 |
| 8 | NPTEL workshop for SPOCS | IIT, Kanpur | June 11,2016. |
| 9 | Machine Learning and its Application in Text and Image Analytics | Department of IT at JSSATE, Noida | 30/01/2017 to 03/02/17. |
| 10 | “Universal Human Values and Professional Ethics” | Value Education Cell, AKTU Lucknow at KIET ,Ghaziabad | 15 th June,2018 -21st June, 2018. |
| 11 | “Entrepreneurship” Sponsored by | NIESBUD, Noida | 12/02/2018 to 26/02/18. |

| | | | |
|----|--|---------------------|-------------------------|
| | NSTEDB, Dept. Of Science and Technology. | Campus | |
| 12 | Machine Learning and Internet of Things | JIMS, Greater Noida | 09/12/2019 to 13/12/19. |
| 13 | Recent Trends and Applications of Machine Learning and Deep Learning in IT | RAIT, Navi Mumbai | 25/05/2020 to 29/05/20. |

v. Workshops / Conference (Organized)

| Sl. No. | Name of the workshop / Conference | Organized by | Date | Role |
|---------|--|-----------------------------------|-------------------------|-------------------|
| 1 | Machine Learning and its Application in Text and Image Analytics | Department of IT at JSSATE, Noida | 30/01/2017 to 03/02/17. | Organizing Member |
| 2. | Smart India Hackathon-2018 at | Jssate, Noida | 2018 | Organizing Member |
| | | | | |

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

| Sl. No. | Name of the workshop / Conference | Organizer | Date |
|---------|-----------------------------------|-----------|------|
| | | | |

9. Details of NPTEL / COURSERA courses completed

| Sl. No. | Name of the subject | Organized by | Date of completion / Award | Grade / Marks |
|---------|-------------------------------------|--------------|----------------------------|---------------|
| 1 | “Cryptography and Network Security” | NPTEL | JUNE 2020 | 93% |

10.Membership of Professional Bodies:

11. Any other information you would like to share about your professional experience

Dr. Birendra Kumar Verma
Assistant Professor, Dept. of IT
JSS Academy of Technical Education, Noida