



Name of the faculty: Chandan kumar

Designation: Assistant Professor, School of Advanced Computing

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Educational Qualification:

PhD* (CSE) (RGPV), M.Tech (CSE) (RGPV), B.Tech.(CSE) (WBUT, Kolkata)

Total Experience:

Academic: 12 years

Areas of Interest:

Internet of Things, Data Science, Image Processing, Cloud Computing

Brief Profile:

Mr. Chandan Kumar holds M. Tech. in Computer Science from RGPV University, and pursuing PhD in Computer Science. He has about 12 years of experience in teaching and research in different areas of Computer Science and currently working as an Assistant Professor in the School of Advanced Computing. He has published four research papers in reputed International Journals and conferences. His research interest includes Internet of Things, Data science and Image processing. He is also NPTEL certified in IoT, Data Science, Big Data and Cloud computing. He has also cleared GATE four times. s also having four times and thrice as a mentor. Under his guidance and mentorship, his team is selected three times for grand finale in Smart India Hackathon conducted by MIC & MHRD.

Research publications in International Journal:

- Chandan Kumar “Designing a Secure Robust Medical Image Authentication Based on Watermarking using the ED-DWT and Encryption” communicated in International

Conference on Emerging Applications of Information Technology (EAIT 2022) for publication in **Springer Nature book series**. [Main author]

- Chandan Kumar “Automatic Video Segmentation using modified HEM algorithm” published in International Journal of Emerging Research in Management and Technology (**IJERMT**) Volume-2, Issue-1, 2015. [Main author]

Papers presented in International Conferences:

- Chandan Kumar “Asymmetric Encryption of Surveillance Videos for Adaptive Threshold based Moving Object Detection” published in UPCON 2021 (**IEEE Xplore**).[Main author]

International/National Conference & Workshops Attended:

- Attended the Coordinator’s Workshop on the C & C++” organised by **IIT, Bombay** on 15 February 2020.
- Attended the Coordinator’s Workshop on the “ARDUINO” held at **IIT, Bombay** on 18 January 2020.
- Attended the Coordinator’s Workshop on the “R” organised by **IIT, Bombay** on 12 October 2019.
- Attended the Coordinator’s Workshop on the “PYTHON” organised by **IIT, Bombay** on 25 May 2019.
- Attended the Coordinator’s Workshop on the “SCI Lab” organised by **IIT, Bombay** on 16 April 2019.
- Attended the Coordinator’s Workshop on the “MOODLE Learning Management System” held at IIT, Bombay on 1 March 2019.

FDP Attended:

- Successfully completed Faculty Development Program on "Data Science for Engineers" organized by **NPTEL**.
- Successfully completed Faculty Development Program on "Introduction to Internet of Things" organized by **NPTEL**.
- Attended & completed 5 Day workshop on “The Growing Role of IOT in Latest Technological Trends” from 22th to 26th June 2020, organized by SOIT, RGPV, Bhopal in association with **WILEY India Pvt. Ltd.**

- Attended and completed one-week online Faculty Development Program on “PYTHON Web Application Framework using FLASK & DJANGO” from 1-6 June 2020 organized by Department of CSE, Pragati Engineering College (Autonomous), in association with **Spoken Tutorial, IIT Bombay**.
- Attended and completed the 5 Day Online STTP on “Recent Trends and Applications of Machine Learning and Deep Learning in IT” from 25-29th May 2020 organized by Department of Information Technology, **RAIT, Navi Mumbai**.
- Attended and completed 3-days online Faculty Development Program on “Intellectual Property Rights” from 9-11th May, 2020 organized by **Technical Training Institute, (TTI) Bangalore**.
- Attended and completed 3 Days Offline STTP on “Teaching Differential Equations: Effective and Appropriate Pedagogy” during 29th November- 1st December 2019 organized by TIEIT and sponsored by RGPV under **TEQIP-III**.
- Attended and completed two weeks Offline Faculty Development Program on “Recent Development in Next Generation Networks (NGN)” during 18th – 29th November 2019 held at LNCT, Bhopal and **sponsored by AICTE**.
- Attended and completed 3-Days Offline STTTP Program on “Writing for Journal Publication” during 11th -13th November 2019 held at **NITTTR, Bhopal**.
- Attended and completed one week Faculty Development Program on “Deep Learning & Applications” during 27th-31st May 2019 organized by Ministry of Electronics and Information Technology (**MeitY**) **sponsored by AICTE**.

Awards/Recognitions:

- **NPTEL Certification** in Internet of Things (Feb-April 2022).
- **NPTEL Certification** in Data Analysis (Feb-April 2022).
- **NPTEL Certification** in Big Data Computing (Aug-Oct 2021).
- Awarded as a Mentor This Certificate is awarded to CHANDAN KUMAR of team The Hater’s For Participating as Mentor in “**Smart India Hackathon**” (SIH 2020).
- Completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work on “The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-on Workshop” organised by the **Teaching Learning Centre (ICT) at IIT Bombay**.
- Completed and received a passing grade in Cloud Computing, by **IBM Developer Skills Network cognitive** class in 12th June 2020.

- Completed and received a passing grade in Data Science Methodology, by **IBM Developer Skills Network cognitive** class in 30th May 2020.
- Completed and received a passing grade in Introduction to Data Science, by **IBM Developer Skills Network cognitive** class in 29th May 2020.
- Completed and received a passing grade in Introduction to Machine Learning with Sound, by **IBM Developer Skills Network cognitive** class in 24th May 2020.
- Completed and received a passing grade in Big Data, by **IBM Developer Skills Network cognitive** class in 23rd May 2020.
- **NPTEL Certification** in Cloud Computing (Aug-Oct 2019).

Workshops/Seminars/Conference Organized:

- Organization of **SAGE talks** on the topic “5G and Cloud- Succeed in Digital Transformation” on 21st May 2022.
- One day Workshop conduction on “A practical & Innovative Approach of Data Science” under **Institution Innovation council (IIC TRUBA)** on 12th February 2022.
- One day Webinar conduction on “5G Tech and Digital Transformation” on 5th June 2021.
- One day Webinar conduction on “How to come up with an Innovative Idea?” on 8th May 2021.
- One day Workshop conduction on “Hands on- CHATBOTS Development” sponsored by RGPV under **TEQIP-III** on 12th March 2021.
- One day Webinar conduction on “Time & Stress Management during Examination” sponsored by RGPV under **TEQIP-III** on 27th August 2020.
- One day Workshop conduction on “Hands on- Understanding (Internet of Things) IOT with Raspberry Pi and Python” sponsored by RGPV under **TEQIP-III** on 25th August 2020.
- One day Workshop conduction on “Hands on- Machine Learning on Cloud (Microsoft Azure)” sponsored by RGPV under **TEQIP-III** on 8th August 2020.
- One day Webinar conduction on “Interview skills and techniques to get selected in MNCs” sponsored by RGPV under **TEQIP-III** on 31st July 2020.
- One day Webinar conduction on “Research- Ethics & Methodology in Modern Education” sponsored by RGPV under **TEQIP-III** on 30th July 2020.
- Two days STTP conduction on “Introduction of Data Science and Big Data Analytics using R” sponsored by RGPV under **TEQIP-III** on 11-12 July 2020.

- Workshop Coordinator for the workshop on“C & C++” conducted by **IIT, Bombay** on 29 Feb 2020.
- Workshop Coordinator for the workshop on“ARDUINO” conducted by **IIT, Bombay** on 8 February 2020.
- Workshop Coordinator for the workshop on“R” conducted by **IIT, Bombay** on 17 Dec 2019.
- Workshop Coordinator for the workshop on“PYTHON” conducted by **IIT, Bombay** on 22 June 2019.
- Workshop Coordinator for the workshop on“SCI Lab” conducted by **IIT, Bombay** on 4 May 2019.
- Workshop Coordinator for the workshop on“MOODLE Learning Management System” conducted by **IIT, Bombay** on 15 March 2019.

Membership of Professional Bodies:

ARESS, CSI

Other Achievements:

- Secured 330 marks in **GATE 2018**.
- Secured 413 marks in **GATE 2015**.
- Secured 343 marks in **GATE 2014**.
- Secured 99 percentile in **NIIT Aptitude Test 2008**.
- Six weeks vocational training on ORACLE from **IBM, Kolkata**.
- Participated in Mechathlon 2K7 (All India Techno Management fest) at **ISM, Dhanbad**.
- Two weeks vocational training from **BSNL**.
- One Week training on PHP/My-SQL from **HCL**.