

PROF. DR. AADITYA KHARE

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Key Skills

Registrar Office work

Budget Preparation

Policy Development &
Implementation

Liaisoning work CGPURC/Higher
Education/Rajbhawan/AICTE/PCI/
NCTE/SCERT etc.

Director IQAC

University/ Office /
College Administration

Student Discipline & Management

University/College Improvement
Plans

Academic Counselling

Examination Management

Teaching (Electrical & Electronics)

Industry Collaboration

Dedicated & Student Focused Professional, committed to provide, a well balanced, supportive and engaging learning environment for all students; also looking for a long-term stable association in a capacity as Registrar with an organisation of high repute.

Awards

- Received **Research Excellence Award 2025** at International Conclave on Patent Inventive Steps 2025 at Banaras Hindu University(BHU) Varanasi U.P. on 22.11.2025.
- Received **Young Achiever Award (Male) 2020** at 2nd International Business & Academic Excellence Awards 2020 by GISR Foundation on 26th December 2020.
- Received **Innovative Academician Award 2020** under the category of Higher Education Institution (HEI) by The Progress Global Award 2020.
- Received **InSc Research Excellence Award 2020** by Institute of Scholars(InSc).
- Received award for **Distinguished Professor Award 2019** under the category of Higher Education Institution (HEI) by The Progress Global Award 2019.

Patent

- Granted patent from Australian Government Intellectual Property Australia on 12 February 2021 titled as **"A technique for wearable bands operated electronic appliances by gesture control"** patent no. 2021100877 dt. 12-02-2021.
- Granted patent with Intellectual Property Rights of India in July 2021 titled as **"Security surveillance for commercial and domestic solar CCTV with inbuilt WIFI technology."** patent no. 345117-001 dt. 28-07-2021.
- Granted patent with Intellectual Property Rights of India in August 2021 titled as **"Dronacharya1.0-IOT based solar powered spraying robot."** patent no. 347650-001 dt. 09-08-2021.

- Granted patent with Intellectual Property Rights of India in July 2023 titled as **"Intelligent Robotic Car"** patent no. 389497-001 dt. 03-07-2023.
- Granted patent with Intellectual Property Rights of India in August 2021 titled as **"Eco-friendly device for Carbon-dioxide absorption."** patent no. 347901-001 dt. 13-08-2021.
- Granted patent with Intellectual Property Rights of India in September 2021 titled as **"Solar based Electromagnetic Breaking System"** patent no. 395637-001 dt. 21-09-2023.
- Granted patent with Intellectual Property Rights of India in May 2023 titled as **"Mobile Cover"** patent no. 385674- 001 dt. 06-05-2023.
- Granted patent with Intellectual Property Rights of India in April 2025 titled as **"AI Enabled electric vehicle charging device"** patent no. 456801-001 dt. 27.04.2025.
- Have filed patent on 03.11.2025 with Application Number 478923-001 CBR Number 224145 titled as "AI Based solar assisted Farming Robot"

Book Published

- Published a book titled as **"Basics of Electrical Machines"** AGPH Publishers ISBN No. 9788119025251 in the year 2023.
- Published a book titled as **"Wireless Communication technology and Techniques"** AGPH Publishers ISBN No. 9788196053000 in the year 2022.
- Published a book titled as **"Research Methodology"** Good Writers ISBN No. 9789353733070 in the year 2022.

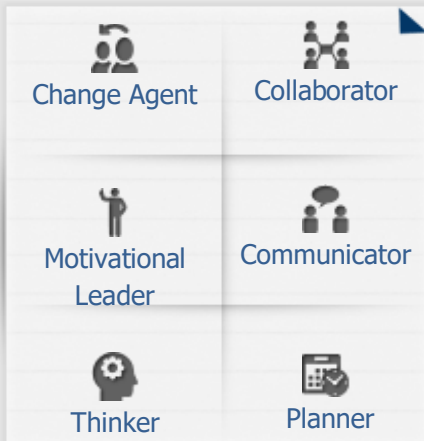
Profile Summary

- **Highly Skilled Educational Professional** with **more than 18 years** of overall experience with expertise in subjects of **Electrical & Electronics Engineering (Basic Electrical Engineering, Electrical Power System, Electrical Machines)**
- Joined as Director Administration of Shri Rawatpura Sarkar Group of Institutions later on took charge of Executive Director of SRGOI and Registrar Shri Rawatpura Sarkar University, have handled and administered 12 campuses of SRGOI that includes University, Medical College, Hospital, Pharmacy, Nursing, Education, Paramedical Colleges and schools across CG, MP and UP reporting to the Vice Chairman.
- Preparing, analyzing and maintaining budgets of all the campuses and ensuring profitability of each campus.
- Taking monthly review meeting of all the campuses to ensure smooth functioning.
- Conducting regular review meetings, followups and giving necessary instructions to boost admissions and ensuring maximum admissions for all

the campuses.

- Perform necessary liaisoning with CGPURC, Higher Education, Rajbhavan, and Statutory bodies such as NCTE,AICTE,PCI,SCERT etc.
- Manpower planning for all the campuses and optimum use of available manpower.
- Maintained Internal Quality Assurance Cell (IQAC) as Coordinator at Raipur Institute of Technology, Raipur.
- Achieved excellent university results while teaching various subjects of Electrical & Electronics Engineering.
- Published papers in **12 International Journals and delivered 10 International/National Conferences/Workshops/Seminars.**
- Successfully executed PMKVY projects at Ojaswini Institute of Management & Technology, Damoh M.P.
- Skilled in designing & implementing practices in education, including interactive & innovative training & educational content for students.
- Proficient in creating a challenging & innovative teaching/learning atmosphere which empowers the active learner.
- Fostered and maintained a clear vision for the future of the institution that reflected its educational mission and where practicable to widen the opportunities for such experience in the community.

Soft Skills



Career Timeline (Recent Experience)



Work Experience

Mar'22-Dec'25 with **Shri Rawatpura Group of Institutions, Raipur C.G.** joined as **Director Administration** later on handled duties of **I/c Executive Director(SRGOI)** and as **Registrar for Shri Rawatpura Sarkar University Raipur C.G.**

Mar'19-Feb'22 with **RITEE, Raipur** as **Associate Professor: Electrical & Electronics, HOD cum Deputy Registrar**

April'17-Nov'18 with **Ojaswini Institute of Management & Technology, Damoh M.P.** as **Associate Professor: Electrical & Electronics and Registrar.**

Aug'16-Mar'17 with **Radhaswami Institute of Technology, Jabalpur** as **Associate Professor: Electrical & Electronics Engineering / Principal Incharge (Polytechnic)**

Jan'16-Aug'16 with **Jabalpur Engineering College, Jabalpur** as **Guest Faculty**

May'12-Sep'15 with **Shri Balaji Institute of Technology & Management, Betul** as **HOD (EEE & EC)**

Key Result Areas:

- Developing annual operational plan for the entire group with short term and long term objectives.
- Have drafted and finalized the Policy for Research & Development policy along with Research & Development Incentive scheme for Shri Rawatpura Sarkar Lok Kalyan Trust.
- Have drafted and finalized the Intellectual Property Right (IPR) policy for Shri Rawatpura Sarkar Lok Kalyan Trust.
- Have finalized admission policy, referral policy for different institutions of Shri Rawatpura Sarkar Group of Institutions.
- Monitoring academics and administration through regular visits and meetings of all the institutes.
- Successfully handling team of over 1800 employees of the group.
- Key member in finalization of SRGOI's Purchase and HR policy.
- Have successfully handled inspections of CGPURC, PCI, State Affiliating University, INC, CGNRC, MPNRC and AFRC etc.
- Administering high-quality performance measurement for each student to raise the standard of academic achievement and to improve the quality of teaching and learning
- Developing annual operational plans for the department in line with long-term plans of the management.
- Creating and fostering a culture of pastoral care at every level concerning teachers and students
- Providing professional leadership for curriculum development to deliver consistently high standards of education
- Achieved success in organizing the annual event for more than 1200 students at SBITM Betul
- Ensuring that department is optimally staffed to deliver the department's objectives and improve standards
- Implementing:
 - Performance management systems to track the performance of students, teachers, administrative and support staff.
 - Providing continuous training to the staff to consistently meet the institute's standards & objectives
- Establishing education & administration procedures & processes to facilitate college's strategy effectively; implementing all Standard Operating Procedures (SOPs) as identified by Management
- Successfully handled duties of Exam-Controller for conduction of Practical and Theory Examination
- Maintaining and nurturing relationships between students & teachers, parents & teachers and college & community to widen the educational horizons, build

Oct'10-May'12 with Shri Balaji Institute of Technology & Management, Betul as Visiting Faculty

Aug'07-Oct'10 with VNS Institute of Technology, Bhopal M.P. as Visiting Faculty

community and favourably project college's image

- Participating in the selection of teaching administrative and support staff and organising induction and training to enhance their effectiveness
- Reporting vital information about college's academic achievements to the Management for timely management decision-making
- Preparing papers; organizing inter-house activities, Guest Lectures & Industrial Visits
- Confirming discipline by observing students' work, behaviour & attendance; keeping records and writing reports on students' performance

Highlights:

- Invited as a Keynote Speaker in the **International Conclave on Patent Inventive Steps 2025** to be held on 22.11.2025 at **Banaras Hindu University**.
- Completed one week AICTE Training & Learning Academy (ATAL) online FDP on "Roles of Material in Electric Vehicles" from 07.06.2021 to 11.06.2021 organized by PDA College of Engineering, Gulbarga Karnataka.
- Completed one week AICTE Training & Learning Academy (ATAL) online FDP on "Challenges & Opportunities in Electric Vehicles Technology" from 05.10.2020 to 09.10.2020 at National Institute of Technology, Pondicherry.
- Completed one week AICTE Training & Learning Academy (ATAL) online FDP on "Smart Grids & Electric Vehicles" from 25.08.2020 to 29.09.2020 at Nalla Malla Reddy Engineering College.
- Attended one-week Faculty development programme on "NBA awareness SAR filling & preparedness for assessment from 30 July 2019 to 4 August 2019 at Rungta College of Engineering & Technology, Bilhailai C.G.
- Attended on day Regional Orientation workshop on Unnat Bharat Abhiyan (UBA 2.0) as a Project Incharge at National Institute of Technology Raipur C.G. on 07.09.2019.
- Presented & published research papers at various reputed universities across India like INMANTEC, HET, LNCT, SIST and so on.
- Guided B.Tech. & M.Tech. research projects.
- Prepared research proposals for sanction at various funding agencies
- Coordinator/Incharge for:
 - Internal Quality Assurance Cell (IQAC) at Raipur Institute of Technology, Raipur
 - Unnat Bharat Abhiyaan UBA 2.0 at Raipur Institute of Technology, Raipur
 - Celebration of National Science Day 2018 at OIMT Damoh
 - PMKVY 2017 at OIMT Damoh
 - Zonal round of Robotics Workshop in Association with IIT Mumbai at SBITM Betul in the year 2014
 - Prepared Departmental Time Table at SBITM Betul



Professional Affiliations



Education

- Planned and successfully executed out Station student visits/ Industrial Tours
- Participated in the Short term training program on 'Recent Advances in Machines & Power system held at NRIIST Bhopal in Feb. 2004.
- Completed 1-month training program on VHDL from "Logic-ilabsBanglore"
- Completed 1-week training program on MATLAB from 29th to 4th July 2009 Organized by SATI Vidhisha (M.P.)
- Completed the Staff Development Program on "Enhancing Effectiveness of Laboratory & Project Work" organized by NITTTR Bhopal
- Participated in Seminar on VLSI Design & Embedded Systems held at OIST Bhopal in May 2009
- Participated in the 2nd National Conference on 'Intelligent Systems and Networks' in 2005 held at Haryana Engineering College, Jagadhari.
- Managed University Examinations at the college as Assistant Centre Superintendent / Senior Centre Superintendent / Centre Superintendent ensuring zero tolerance.
- Steered efforts in taking personality development & grooming initiatives to ensure effective placement of students.
- Have won several prizes and certificates in Paper Presentation, Chess, NCC, Science Exhibition, Social work, General knowledge.

- Life Member of International Association of Engineers (IAENG) No. 231730
- Life Member of Indian Society for Technical Education (ISTE) No. LM 62667.
- Conferred with Honorary Franklin Membership by London Journal Press London U.K.
- Life time Professional Member of Institute of Scholars (InSc).
- Member of The Progress
- Appointed Reviewer at European Open Access Publishing "European Journal of Electrical Engineering & Computer Science" ISSN 2506-9853.
- Appointed Reviewer at European Open Access Publishing "European Journal of Engineering Research & Science" ISSN 2506-8016.
- Appointed Reviewer at International Journal of Scientific Research & Development ISSN 2321-0613.
- Appointed Reviewer at Advances in Science, Technology and Engineering system Journal.
- Appointed Reviewer of InSc Journals.

- Ph.D. (Electrical Engineering) from DR. K. N. MODI University, Newai in 2018
- M.E. (Digital Communication) from TIT, Bhopal affiliated to RGPV, Bhopal in 2012.

Personal Details

- BE (Electrical & Electronics Engineering) from NIIST, Bhopal, affiliated to R.G.P.V. University, Bhopal in 2007

Other Courses :

- Auto CADD Electrical Design, Cadd Centre Bhopal in 2010.
- PSpice Simulation Software, Cadd Centre Bhopal in 2010.

Date of Birth: 01st February 1983.

Languages Known: English & Hindi

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Digital Career Report : <https://www.linkedin.com/in/dr-aaditya-khare-891b5664/>

YouTube Channel Details: Channel Name "Om Knowledge"

Link- https://www.youtube.com/channel/UCFdZHpwCGG1tKhup_E0knw

References

- 1. Dr. Sanjeev Shrivastava; Principal: Director, Principal & Professor DAVIET Daltongonj Jharkhand.**
Ph. 99930790970
Email: sanjeev_vini@rediffmail.com
- 2. Dr. Smita Shrivastava; Ex. Principal: St. Aloysius Institute of Technology, Jabalpur M.P.**
Ph. 9425153628
Email: drsmita19@gmail.com
- 3. Mr. Pramod Pandey; Dy Director Nursing Rawatpura Sarkar Group of Institutions.**
Ph. 9229297438
Email: pramodpandey.india@gmail.com
- 4. Satendra Singh; Retd Senior Scientist: M.P. Council for Science & Technology, Bhopal M.P.**
Ph. 9109388558 /9406925416
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DR. AADITYA KHARE

LIST OF PUBLICATIONS:

1. International/National Journals:

1. 1. Jyotsana Pandey 2. Dr.Aaditya Khare, "A Gradient Descent Approach for Maximum Power Point Tracking in solar PV Systems Networks", International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, Vol 9, Issue VI, June 2021.
2. 1. Brajesh Rajpoot 2. Dr.Aaditya Khare, "Selective Harmonic Elimination of Single Phase PWM Inverter by Particle Swarm Optimization and Newton Raphson Method", International Journal of Advances in Engineering and Management(IJAEM)", ISSN 2395-5252, Vol 2 Issue 5 August 2020, Page 83-89.
3. 1. Brajesh Rajpoot 2. Dr.Aaditya Khare, "Review of Selective Harmonic Elimination of Single Phase PWM Inverter by Particle Swarm Optimization and Newton Raphson Method", Internatonal Research Journal of Engineering & Technology(IRJET), e-ISSN 2395-0056, p-ISSN 2395-0072 published in Volume 07 Issue 08 August 2020 Page 2805-2808.
4. 1. Aaditya Khare. 2. Dr.Smita Shrivastava," Detailed Modelling of Permanent Magnet Synchronous Motor(PMSM) for Electrical Forklifts part-III designing of PMSM dynamic model of PMSM Block", JEA Journal of Electrical Engineering published by Jordan Engineers association SCI indexed ISSN 2220-234X paper published in Vol 2, No 1, 2018 Page 33-39.
5. 1.Aaditya Khare. 2. Dr.Smita Shrivastava, "Detailed Modelling of Permanent Magnet Synchronous Motor (PMSM) for Electrical Forklifts Part-I", Journal of Electrical Engineering (JEE) Romania ISSN 1582-4594 Paper published in October 2017 issue.
6. 1.Aaditya Khare. 2. Dr.Smita Shrivastava, "Detailed Modelling of Permanent Magnet Synchronous Motor (PMSM) for Electrical Forklifts Part-II designing of subsystem model of PMSM block", International Journal of Electrical & Electronics Engineering (SSRG-IJEEE) Volume III, Issue 11, November 2016 ISSN 2348-8379 Page 9-15.
7. 1. Aaditya Khare. 2. Dr.Smita Shrivastava, "Detailed Modelling of Permanent Magnet Synchronous Motor (PMSM) for Electrical Forklifts Part-IV designing of Subsystem Model of PMSM block.", International Journal of Advance Research,Ideas and Innovation in Technology (IJARIIT), Volume 2 Issue 6 December 2016 ISSN 2454-132X.
8. 1.Aaditya Khare. 2. Dr.S.K.Shrivastava, "A Survey of Traction Permanent Magnet Synchronous Motor", International Journal of Science Technology & Engineering (IJSTE) Volume I, Issue 10, April 2015. ISSN (online): 2349-784X April 2015 Edition.
9. 1. A J.Thakur and 2. Aaditya Khare.An analytical Comparison between Dynamic Ranges Based OFDM System for Reduction of Peak to Average Power Ratio (PAPR).IJCA Proceedings on National Conference on Innovative Paradigms in Engineering and Technology (NCIPET 2012)NCIPET(7):19-22, March 2012. Published by Foundation of Computer Science, New York, USA.*Proceedings* published by International Journal of Computer Applications® (IJCA).
10. 1. Hema Singh, 2. Aaditya Khare, "A Novel Approach based on Dynamic Ranges for Reduction of Peak to Average Power Ratio (PAPR) in Clipped OFDM" National Conference on Innovative Paradigms in Engineering & Technology (NCIPET-2012) Proceedings published by International Journal of Computer Applications® (IJCA) page no. 22-25. Year of publication 2012.
11. 1. Hema Singh, 2. Aaditya Khare,"An Approach Based on MIMO and PN Sequence coding for Reduction of Peak to Average Power Ratio (PAPR) in Clipped OFDM", International Journal of Advanced Computer Research (IJACR) volume-1 Number-1 ISSN(Print):2249-7277 ISSN(online): 22777970 September 2011 edition.
12. 1.Prakash Jaiswal 2. Aaditya Khare 3.Dr.Prafull Sharma, "Review of Wind Solar Hybrid Power System using Energy Storage System", International Journal of Innovative research in Science, Engineering & Technology (IJIRSET) Vol 7, issue 1Jan. 18. ISSN(Online) 2319-8753, ISSN (Print) 2347-6710.

2. International/National Conferences:

1. Participated and Presented a Paper on “Women Entrepreneurship” in International Conference on “Business Transitions: The Road Ahead” organized by Integrated Academy of Management and Technology (INMANTEC) in collaboration with UP Technical University, Lucknow; PHD Chamber of Commerce & Industry and Konrad Adenauer Foundation (Germany), on November 21-23, 2005 at New Delhi. Paper Published in Conference Proceeding.
2. Presented a Paper on “ Fourth Generation Mobile Communication System” in National Conference on “VLSI Embedded systems, Signal Processing and Communication Technologies” organized by Lakshmi Narain College of Technology Bhopal (M.P.), on March 26-27, 2010. Paper Published in Conference Proceeding.
3. Presented a Paper on “Service Restoration in distribution system using Genetic Algorithm” in National Conference on “VLSI Embedded systems, Signal Processing and Communication Technologies” organized by Lakshmi Narain College of Technology Bhopal (M.P.), on March 26-27, 2010. Paper Published in Conference Proceeding.
4. Published a Paper on “ Remote Explosive Sensor Electronics Nose” in National Conference on “VLSI Embedded systems, Signal Processing and Communication Technologies” organized by Lakshmi Narain College of Technology Bhopal (M.P.), on March 26-27, 2010. Paper Published in Conference Proceeding.
5. Attended 2nd National Conference on “Intelligent Systems and Networks (ISN)” held at Haryana Engineering College, Jagadhri on 25th -26th February, 2005.

3. International/National Seminar/Workshops

1. Presented paper in National Seminar on “Teaching Methodology in Present Global Technical Education Scenario” Sponsored by Indian Society of Technical Education.Organized by NIIIST Bhopal (M.P.) on 12th& 13th July 2006.

4. International/National Technical festival/Symposium:

1. Won First Prize in paper Presentation in 4th National Technical Symposium Azzaro 2005.Organized by Haryana Engineering College, Jagadhri Haryana.
2. Won First Prize in Paper Presentation in a National Level Technical Event Telearstar-5th& 6th Nov. 2009.Organized by Shree Institute of Science & Technology, Bhopal.
3. Won Second Prize in paper Presentation in 6th National Level Technical Symposium Vision Tech-11th – 13th Nov. 2009.Organized by All Saints’ College of Technology Bhopal, (M.P).
4. Presented Paper in 6th National Level Technical Symposium Vision Tech-11th – 13th Nov. 2009. Organized by All Saints’ College of Technology Bhopal, (M.P).

Date:

Dr. AadityaKhare