

CURRICULUM VITAE

Dr. Ajay Kumar Mittal

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OBJECTIVE

To work in an esteemed organization where I prove my capabilities for running successfully service standards for business excellence.

CORE COMPETENCIES

1. Excellent in Research.
2. Excellent fundamental knowledge about
3. Energetic, Hardworking & Loyal

WORK EXPERIENCE

| | |
|--------------------|---|
| Company: | Aryabhata Group of Institutes, Barnala (Punjab) |
| Duration: | Since November 5, 2014 |
| Designation: | Additional Director |
| Job Profile: | All work related to Academics, examination, establishment, Teaching UG and PG classes |
| Positions Handled: | Additional Director |

WORK EXPERIENCE

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| Company: | Aryabhata Group of Institutes, Barnala (Punjab) |
| Duration: | Six years & Five Months |
| Designation: | Dean (Academics) |
| Job Profile: | All work related to Academics, examination, establishment, Teaching UG and PG classes |
| Positions Handled: | Dean (Academics) |

| WORK EXPERIENCE | |
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| Company: | Bhai Gurdas Institute of Engineering & Technology, Sangrur (Punjab) |
| Duration: | Six years and Three months |
| Designation: | Dean (Academics) |
| Job Profile: | All work related to Academics, examination, Teaching UG and PG classes |
| Positions Handled: | Dean (Academics), Director Marketing, Press & Media Incharge |

| WORK EXPERIENCE | |
|------------------------|--|
| Company: | Bhai Gurdas Institute of Management & Technology, Sangrur (Punjab) |
| Duration: | Six months |
| Designation: | Lecturer in Mathematics |
| Job Profile: | Taking Classes of MBA and BCA courses |
| Positions Handled: | Class Incharge |

| WORK EXPERIENCE | |
|------------------------|--|
| Company: | Sh.L.B.S.Arya Mahila College, Barnala (Punjab) |
| Duration: | One year and eight months |
| Designation: | Lecturer in Mathematics |
| Job Profile: | Taking Classes of B.Sc., B.Com. and Intermediate Classes |
| Positions Handled: | Departmental Incharge |

| EDUCATIONAL QUALIFICATION: | | | | |
|-----------------------------------|------------------------|-----------------------------|------------|----------------------|
| Degree | College | University/Board | Year | Percentage / CGPA |
| Ph.D. | SLIET, Longowal | SLIET, Longowal | May 2015 | 08 (Course Work) |
| M.Phil.(Mathematics) | Distance Education | Madurai Kamraj Uni. Madurai | Sep.2007 | 55% |
| M.Sc. (Mathematics) | Punjabi Uni. Patiala | Punjabi Uni. Patiala | April,2000 | 71.75% (Distinction) |
| B.Sc.(Non- Medical) | S.D. College , Barnala | Punjabi Uni. Patiala | April,1998 | 62% |

POSITIONS OF RESPONSIBILITY:

1. Working as Additional Director since November 5, 2014.
2. Working as Head, Establishment/Affiliation Cell since June 18, 2009
3. Worked as Dean (Academics) since Nine years i.e December 8, 2005 to November 4, 2014.
4. Worked as Head, Department of Applied Sciences for 2 years.
5. Worked as Officiating Director for 2 years.
6. Worked as Marketing Head for 7 years.

COMPUTER SKILLS/any other skill set/ Certification

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|----------------------------|---------------------|
| Software Languages: | MATLAB |
| | C, Ms Office, Latek |

RESEARCH PAPERS IN JOURNALS:

AK Mittal, IA Ganaie, VK Kukreja, N Parumasur & P Singh, *Solution of diffusion-dispersion models using a computationally efficient technique of orthogonal collocation on finite elements with cubic Hermite as basis*, **Computers & Chemical Engineering**, 58, 203-210, 2013. **ISSN/ISBN- 00981354 (Impact Factor- 2.452)**

AK Mittal, IA Ganaie, VK Kukreja, N Parumasur & P Singh, *Numerical solution of diffusion-dispersion model using orthogonal collocation on finite element with Hermite basis for Robin conditions*, **Applied Mathematical Sciences**, 7(34), 1663-1673, 2013.(**ISSN/ISBN- 1312885X**), **Impact Factor- 0.781**

AK Mittal, VK Kukreja, N Parumasur & P Singh, *Application of orthogonal collocation on finite element with Hermite basis for solution of 2D nonlinear model*, **Applied Mathematics & Computation**, 2015. (Submitted).

AK Mittal, VK Kukreja, N Parumasur & P Singh, *On comparison of OCFE using Hermite basis with analytic and MATLAB 'pdepe' solver for axial dispersion model*, **Proceedings of International Conference ETCSIT**, **407-411, 2011.**

AK Mittal, VK Kukreja, N Parumasur & P Singh, *Numerical solution of two point BVPs by OCFE using a Hermite basis*, **American Institute of Physics Conference Proceedings**, 1146, 386-389, 2009.(**ISSN/ISBN- 9-78-0735-40683-4**).

AK Mittal, VK Kukreja, *Convergence of Orthogonal collocation on finite elements with Hermite basis method for two dimensional nonlinear models*, **INTERNATIONAL JOURNAL OF MATHEMATICAL SCIENCES AND APPLICATIONS**, 5(1),187-192,2015 (**ISSN- 1088-6826(online), 0002-9939 (print)**)

Conferences Attended:

AK Mittal, VK Kukreja, *Convergence of Orthogonal collocation on finite elements with Hermite basis method for two dimensional nonlinear models*, **International Journal of Mathematical Sciences and Applications**, New Delhi, December, 2014.

AK Mittal, IA Ganaie, N Parumasur, P Singh & VK Kukreja, *Numerical solution of nonlinear diffusion dispersion model with OCFE using Hermite basis*, **International Conference on Mathematical Sciences**, Nagpur, India, December, 2012.

IA Ganaie, AK Mittal, & VK Kukreja, *Numerical solution of diffusion dispersion models using cubic Hermite collocation method*, **National Seminar on Mathematics and Its Applications**, Punjabi University, Patiala, India, December, 2012.

VK Kukreja, AK Mittal, N Parumasur & P Singh, *Solution of diffusion dispersion model by orthogonal collocation on finite elements using Hermite basis*, **International Congress of Industrial & Applied Mathematics**, Vancouver, Canada, July, 2011.

AK Mittal, VK Kukreja, N Parumasur & P Singh, *Application of orthogonal collocation method using Hermite basis for solving axial dispersion model*, **14th Punjab Science Congress**, SLIET, Longowal, India, February, 2011.

AK Mittal, VK Kukreja, N Parumasur & P Singh, *A note on mathematical modelling*, **International Conference on Industrial Competitiveness**, Khanna, India, April, 2010.

AK Mittal, VK Kukreja, N Parumasur & P Singh, *Solution of axial dispersion model using orthogonal Hermite collocation method*, **International Congress of Mathematicians**, Hyderabad, India, August, 2010.

AK Mittal, Jatinder Rattan, Presented a paper on the topic “Solution of Washing problem via differential equation study for pulp mill” in **1st National Conference REACT-2006** on 5th -6th April 2006.

AK Mittal, Jatinder Rattan, Presented a paper on the topic “Analysis of spectrum sliced WOM Systems using saddle point approximation” in **2nd National Conference on Innovative Developments in Engineering Applications (IDEA)** on 2nd -3rd March 2007.

MEMBERSHIPS:

- Life membership of Indian Society for Technical Education (ISTE).
- Life membership of Indian Society for Industrial & Applied Mathematics (ISIAM).

WORKSHOPS/SEMINARS ATTENDED:

- Attended workshop-cum-seminar Winter School on “Generic Skills Development” on 19th – 23rd January 2009.
- Attended National level workshop-cum-seminar on personality metamorphosis GOAL (Getting over All Limitations) on 6th May 2005.
- Attended a one day workshop on “Patent Awareness” in association with Punjab State Council of Science & Technology (PSCST), Chandigarh.
- Attended FDP on Regional Centre for Entrepreneurship Development, March 12, 2013 – March 26, 2013.

BOOKS PUBLISHED:

- “*A Study of Mathematical Models related to Diffusion Dispersion*” by LAMBERT Academic Publishing, ISBN No.- 978-3-659-33728-4.
- “*A Text Book on Solution of Partial Differential Equations using OCFE*” by LAMBERT Academic Publishing, ISBN No.- 978-3-659-82288-9.
- “*Mathematical Modeling & Solution techniques*” by LAMBERT Academic Publishing, ISBN No.- 978-3-659-82842-3
- “*A Text book Solution of Linear & Non-linear Diffusion-Dispersion model*” by LAMBERT Academic Publishing, ISBN No.- 978-3-659-91261-0.
- “*Mathematics for BCA-I*”, Sharma Publishers, Jalandhar.
- “*Mathematics for BBA-I*”, Sharma Publishers, Jalandhar.
- “*Computer Oriented Methods*”, Sharma Publishers, Jalandhar.

PERSONAL INFORMATION:

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| Name: | Ajay Kumar Mittal |
| D.O.B: | November 11, 1978 |
| Contact Address: | #120, 16 Acre Scheme, Barnala-148101 (Punjab) INDIA |
| Languages: | Hindi, English, Punjabi |

SIGNATURE: