

## **Dr Amit Khaskalam**

Assistant Professor

Information Technology,

Institute of Technology, Guru Ghasidas Vishwavidyalaya, Bhaspur 495009

Residence 101, Silver Oak, Green Gardens, Mungeli Road Bilaspur 495001

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Qualification: M.Sc.,PhD.

### **Achievements**

1. Attended second workshop on **Distributed Laboratory Instrumentation systems**, held at ICTP, Italy during Oct.-Nov. 2003.
2. DB2 certified from IBM 2002

### **Experience:**

- a. **Research : Papers Published in International/ National Journals**  
**05**
  - b. Papers presented in **International Conferences/Workshops/Seminars** **08**
  - c. Papers presented in **National Conferences/workshops/seminars** **07**
  - d. **International / National conferences workshops/seminars attended**  
**(without Papers )** **08**
- 2) Edited a book “**Electronic Materials & Devices** “ with ISBN-10 81 88342-18-1/@2007
  - 3) Participation in **Academic activities** of the institution at different capacity
    - Organized National conference on **Advances in Electronic Materials and Devices** as a **Organizing Secretary** on March 5-6,2006.
    - Organized A **National seminar on “ Technology for sustainable development – Perspectives & strategies”** as a **Organizing Secretary** on January 6-7, 2007.
    - Organized **3<sup>rd</sup> National conference on Advances in Electronic Materials & Devices (AEMD-07)** as a **Organizing Secretary** on March 25-26,2007.
    - Participated in **International Conference on “Interdisciplinary Approaches in Physical Sciences : Growing Trends and Recent advancement “** as a **Member of Organizing committee** on January 12-14, 2008.
    - Organized A **National conference on Information security: Practices & Challenges (ISPC-08)** as a **Convener** on February 9-10, 2008.
    - Organized **6<sup>th</sup> Chhattisgarh Young Scientist congress** as a **Co-convener** on February 28-29, 2008.

**4) Teaching :**

**UG** – More than **12** years teaching experience for BE & B Tech students  
**PG-** More than **05** years teaching experience for M.Sc.(Physics),  
M.Sc.(IT), and MCA.

**5) Technical Skill**

Certified **DB2 certified from IBM**  
Language **JAVA, C, FORTRAN,**  
O/S Platforms **WIN-NT, Windows-98, 95, UNIX and DOS**  
Assembly Language Programming in **8085, 8086** Microprocessor and  
programming for **Microcontrollers.**

Attended Short term courses by Dr. Khasklam

S.No.	Programme	Duration	Organised By
01	Workshop on distributed Laboratory Instrumentation systems	3 weeks (20 Oct -14 Nov. 2003)	ICTP, Italy
02	Attended the short term Course on “ Intelligent Control “	01 week ( March 19-23, 2005),	IIT, Kanpur at NIIT, Raipur
02	Short term programme on “ Repair of UPS, Printers & CRO”	1 week (20-24 June 2005)	NITTTR, Chandigarh
03	Short term Programme on “ Embedded Systems “	1 week ( 6-10 feb 2006)	NITTTR, Chandigarh
04	Short term programme on “ Computer Network “	1 week ( 17-21 July 2006)	IIT, Kanpur & Govt. of CG
05	Short term programme on “ Digital Signal Processing “	1 week ( 17-21 July 2006)	IIT, Kanpur & Govt. of CG
06	Short term course on “Oracle 9i administration “	1 week ( 10 <sup>th</sup> -15 <sup>th</sup> Dec. 2006 )	IIT, Kanpur & Govt. of CG
07	Workshop on “Development of self Learning Materials”	22 <sup>nd</sup> -24 <sup>th</sup> Dec. 2006	Pt. sundarlal Sharma (Open) University Bilaspur
08	Workshop on “Research Methodology in science : Managing Quality in Research & Identification of thrust Area “	29 <sup>th</sup> Sep. to 1 Oct. 2007	Department of Pure & Applied Physics, GGV

List of Papers Published by Dr. Khaskalam

S.No.	Title of Paper	Name of journals	Vol.& Year	Pages
01	Role of acoustic phonon and plasmon in a coupled array of planes and chains in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Superconductors.	Materials Science Forum	Vol. <b>223-224</b> (1996).	365-368
02	Effect of oxygen deficiency ( $\delta$ ) on transition temperature of yttrium cuprate superconductors.	Bull. Mat. Sci.	Vol. <b>19</b> (1996)	737-747
03	On the Effect of oxygen deficiency variation with transition temperature in (Y,Sm,Er) $\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductors.	Bull. Mat. Sci.	Vol. <b>20</b> (1997)	259-264
04	Analysis of specific heat in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ ceramic superconductors.	Physica status solidi (b)	206, (1998)	01-09
05	Effect of oxygen deficiency on the normal state resistivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Superconductors.	Bull. Mat. Sci.	Vol. <b>21</b> (1998)	457-

Papers Presented in **International conferences**/workshops by Dr. Khaskalam

1. Thermoelectric Power of Zinc Nanowires composites : Phonon scattering Mechanism  
Amit Khaskalam with K k Choudhary, Dinesh varshney and R K Singh  
International conference on Advances in Nanotechnology Nov. 06-08,2008, MATS University, Raipur.
2. A model for efficient and secure outsourcing Database services.  
Amit Khaskalam with Rajesh mahule & R K Singh  
International conference: Tenth Conference of International Academy of Physical Sciences (CONIAPS-X) Jan 12-14, 2008, Guru Ghasidas University, Bilaspur.
3. Phonons and spin fluctuations Exchange paring of cuprates  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
International Conference on Phonons in condensed materials. Jan.2-23, 2003, Barkatullah University, Bhopal
4. Oxygen deficiency dependence of Normal state Resistivity of Y-Ba-Cu-O superconductors.  
**Amit Khaskalam** with R K Singh & Dinesh Varshney  
VII Asia Pacific Physics Conference Beijing China , 1997 .
5. Effect of impurity doping on transition temperature of  $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ .  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
International workshop on high temperature superconductivity Dec. 16-21, 1996 held at University of Rajasthan, Jaipur.
6. Role of acoustic phonon and plasmons in a coupled array of planes and chains in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  superconductors.  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
International seminar on "Current Developments in Disordred Materials" E- 15, Jan. 20-24, 1996 held at Kurukshetra University, Kurukshetra.

7. Effect of temperature and oxygen ordering on normal state resistivity of  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ .  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
International conference on “ Strong Correlated Electron Systems”(1995) P-24 Sept.  
27-30,1995 held at Goa Organised by TIFR, Mumbai.
8. Thermal and thermoelectric properties of Yttrium cuprate superconductors.  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
International Conference on The Physics of Disordered Materials (1997) D-16 Jan. 27- 29,  
1997 Organised by University of Rajasthan, Jaipur.

Papers presented in **National Conferences** by Dr. Khaskalam

1. Effective Encryption on Limited Devices  
Amit Khaskalam with Renu Trivedi, Vijay K and shiv Kumar  
National conference on Information security : Practices & Challenges (ISPC-08) Feb. 9-10, 2008  
organized by Department of Information Technology, GGV, Bilaspur
2. A Manufacturing Business Process Reengineering Method: Using Object Oriented Methodology  
called TAD  
Amit Khaskalam with Renu Trivedi, Vijay K and shiv Kumar  
National conference on Information security : Practices & Challenges (ISPC-08) Feb. 9-10, 2008  
organized by Department of Information Technology, GGV, Bilaspur
3. A Pioneer Compression Technique for Databases  
Amit Khaskalam with Sushil Kumar, Shiv Kumar  
National conference on Information security : Practices & Challenges (ISPC-08) Feb. 9-10, 2008  
organized by Department of Information Technology, GGV, Bilaspur
4. Data Mining approach for Intrusion detection  
Amit Khaskalam with Renu Trivedi, Shiv Kumar, Monika Bhatanagar  
National conference on Information security : Practices & Challenges (ISPC-08) Feb. 9-10, 2008  
organized by Department of Information Technology, GGV, Bilaspur
5. Anisotropic superconducting state parameters of Tl 2212 superconductors  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
Proc. 43<sup>rd</sup> DAE Solid state Physics symposium, jP29 Dec. 27-31,2000 Organised by  
Guru Ghasidas University, Bilaspur. (Chhattigarh)
6. Study of the anisotropy superconducting state parameters of Tl based superconductors.  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
National seminar “Condensed Matter Days – 2000, O-VII-91 (29-31 August, 2000), Organised by  
Guru Ghasidas University, Bilaspur.
7. Effect of oxygen ordering on transition temperature of  $\text{ABa}_2\text{Cu}_3\text{O}_{7-\delta}$  (A= Y, Yb, Sm)  
Superconductors.  
**Amit K. Khaskalam** with R.K.Singh and Dinesh Varshney  
Proc. Solid state Physics symposium **37C**, 369 Dec. 27-31 1994 Organised by  
University of Rajasthan, Jaipur.

**Some Important project** done by students under My Supervision

Assembler for 8086 microprocessor.

Website for Sardar Patel Memorial Hospital , Bilaspur.

Microprocessor controlled Robotic Arm.

SMS through Telephone .

PC controlled Satellite Dish Antenna Positioning system.

Web site [www.BILASPURBSNL.COM](http://www.BILASPURBSNL.COM) for BSNL, Bilaspur.

Secure Data communication for BSNL, Bilaspur.

Web Based Application for preparation of Control Position in South Eastern Central Railway

(SECR ).

Online Inspection System of South eastern Central Railway (SECR), Bilaspur.

Embedded web server (for remote Access ).

A web portal for grievance management "JANMITAN" is developed for Nagar Nigam Bilaspur.

Digital Encryption system.

**Actively participated in Conferences / workshops/ seminars attended** (without Papers)

Attended A National Conference on " IPR issues an opportunities in research and Education" organized by Indian Institute of Technology, Roorkee on Feb. 16-17, 2002.

Building Human Capabilities: Towards A knowledge Society, Organized by Guru Ghasidas University on October 25-26, 2002.

Attended International Conference on Emerging trends in Soft Computing and ICT, Organized by department of Computer Science & Information technology, GGV, on March 16-17, 2011.

Attended A National Conference on Higher Education in The next Millennium organized by Guru Ghasidas University, Bilaspur on Nov. 22, 1999.

Attended A National conference on **Advances in Electronic Materials and Devices** organized by Department of Pure & Applied Physics, GGV, on March 5-6,2006.

Attended **A National seminar on " Technology for sustainable development – Perspectives & strategies"** organized by Department of Pure & Applied Physics, GGV,on January 6-7, 2007.

Attended **3<sup>rd</sup> National conference on Advances in Electronic Materials & Devices (AEMD-07)** organized by Department of Pure & Applied Physics, GGV,on March 25-26,2007.

**Attended 6<sup>th</sup> Chhattisgarh Young Scientist congress** Organized by Guru Ghasidas University, Bilaspur on February 28-29, 2008.

Sharing Additional responsibilities in the university

1. Head of the department from 2000.
2. Chairman of Board of studies from 2009.
3. Member of Board of studies from 2000 to 2009
4. Member of anti ragging committee from 2004 to 2009 of Institute of Technology
5. Member of Disciplinary committee of Institute of Technology.
6. Worked as a Assistant superintendent of exam from 2000 to 2002
7. Worked as a Superintendent of Exam from 2002 to 2003 and 2005 to 2007 and 2010 to oct. 2012.
8. Conducted Vishwavidyalaya Entrance Test (**VET-2010 & VET 2011**) as Superintendent of Exam.
9. First program coordinator of e-class room in 2003.
10. Member Technical committee of the university.

**Personal Details**

Indian, Married Male;

Born on June 12<sup>th</sup> 1969 in hindu (Kayath) family

Physique:

Sound health

Languages:

English, Hindi and German

Amit Khaskalam