

**Dr.A.BAZILA BANU, M.E (cse), PhD,**  
Lecturer  
Computer Science and Software Engineering  
School of Computing  
Asia Pacific University of Technology and Innovation  
Technology Park Malaysia,  
Bukit Jalil, 57000 Kuala Lumpur, Malaysia.  
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**Summary:**

**Position:** Lecturer, Department of Computer Science and Software Engineering, School of Computing, Asia Pacific University of Technology and Innovation. (14-03-16 to till date)

**Education:** PhD (Information and Communication Engineering).

**Teaching Experience:** 8 years (2 years as Lecturer, 6 years as Assistant Professor)

**Industry Experience:** 3.5 years (5 months as software analyst, 3 years as Technical Consultant)

**Field of Specialization:** Data Mining, Object Oriented Programming, Object Oriented Analysis and Design, Java Programming, Software Engineering, Software Testing, Web Technology, Database Management Systems (Oracle 11g)

**Research Publications:** 11(3 in International Journals, 7 in International Conferences, 1 in National Conference).

**Educational Summary**

<b>Degree/Institute</b>	<b>From</b>	<b>To</b>
PhD in Information and communication Engineering. “An Integrated Approach to Pharmacovigilance using Data Mining Techniques” Anna University, Chennai-600 025, India.	<b>10-01-2011</b>	<b>01-04-2015</b>
M.E in Computer Science and Engineering. Thiagarajar College of Engineering, Madurai, India.	<b>05-06-2002</b>	<b>30-04-2004</b>
B.E in Computer Science and Engineering. Mohamed Sathak Engineering College, Kilakarai, Ramnathapuram Dt, Tamilnadu, India.	<b>07-06-1995</b>	<b>26-04-1999</b>

## Research Summary:

- Research work was focused to develop an integrated data mining method by utilizing Food and Drug Adverse Event Reporting system (FAERS) database.

*A major contribution of the research work includes:*

- Development of Hierarchical XML model for representing disease category which serves as a reusable stub for representing any hierarchical values.
- Implementation of Naive Bayes classifier for ranking the drugs based on the posterior probability obtained
- A comparison study for determining the performance of Naive Bayes and Improved Naive Bayes in detection of dechallenge.
- Development of novel algorithm known as prior weighted algorithm for determination of association rules to find rare as well as frequent Drug Drug Interactions.

## Expertise areas

*Languages* : Java 6, J2EE, PL/SQL

*Technologies* : Java 6, JSP1.1, Servlets2.2, JDBC2.0, JMS, EJB2.0, HTML, PHP, XML, XSL, LDAP, Acegi.

*Web Server* : Apache Tomcat 4.1

*Operating Systems* : Windows 7, Android

*Databases* : Oracle, MSSQL, MySql

*Design Suite* Rational Software Architect, Star UML.

*Middleware* : EJB2.0, Servlets 2.2

*IDE Tools* : Eclipse 3.1, Netbeans

*Tools* Junit, Rational Rose ,visual case.

*Source Control* : Visual Source Safe 6.0, SVN

*Bug Tracker* : Bugzilla

*Frame Work* : Spring, Struts 1.2

### **Teaching Experience:**

- 1. Velammal College of Engineering and Technology (VCET), Viraganoor, Madurai, Tamilnadu, India. (03-06-2009 To 30-11-2015)**
- 2. Sethu Institute of Technology(SIT),Kariappatti, Madurai.(30-06-1999 to 02-02-2001)**

### **Industry Experience:**

- 1. Virtusa(pvt)India Ltd, Chennai, India.**  
*Designation* :Consultant (Technology)  
*Project*: Search Engine  
*Client*: Thomson Reuters ,United States  
*Duration*: **19-05-2006 to 30-04-2009**  
*Technology*:J2EE – Java (1.5), JSP, Servlets, XML, Framework Spring, PL/SQL, Junit,Log4J, Apache Axis (Web Services), Tomcat 4.1.31, Eclipse IDE 3.1  
*Roles and Responsibilities*:
  - Development, Code Reviews, Configuration Management and Build Release.
  - Various J2EE Design Patterns, MVC Architecture
  - Implementation of method level security using ACEGI
  - Implementation of XML RPC for literature search. API like search retrieve, citation, retrieve are implementation in client.
  - Implementation of Batch process,LDAP
- 2. Isoft (Pvt)India Ltd, Chennai, India**  
*Designation*: System Analyst  
*Project*: Sunrise Clinical Manager  
*Client*:Singapore  
*Duration*: **19-06-2001 to 16-10-2001.**  
*Technology*:Visual C++ 6.0

### **Publications:**

#### **International Conferences**

- 1. Shiny Beulah M ,Bazila Banu A,** “Pharmacovigilance: An Overview of Drug Safety Monitoring in India”, International Conference on Emerging Trends in

Engineering and Technology held at K.N.S.K College of Engineering , on 26<sup>th</sup>&27<sup>th</sup> March 2015.

2. Shiny Beulah M ,**Bazila Banu A**, “An E-Portal for Indian Pharmacovigilance using Data Mining Techniques”, International Conference on ICEECE 2015 held at Vivekanandha College of Engineering For Women on 11<sup>th</sup>&12<sup>th</sup> March 2015.
3. Shiny Beulah M ,**Bazila Banu A**, “A Novel Approach for Detecting Rare Drug- Drug Interaction using Data Mining”, International Conference on EEICC 2014 held at Karpagam College of Engineering on 12<sup>th</sup> & 13 December 2014.
4. Kavitha ,**Bazila Banu A**,”Wireless Healthcare Monitoring System”, International Conference on Innovations in Engineering and Technology.3,3,pp.2417-2419 on 21<sup>st</sup> March 2014.
5. Vidya ,**Bazila Banu A**, “Density Based Traffic Signal System”,International Conference on Innovations in Engineering and Technology , 3,3,pp.2218-2221 on 22<sup>st</sup> March 2014.

#### **National Conferences:**

1. Shiny Beulah M ,**Bazila Banu A**, “Application of Data Mining in Adverse Drug Reaction Databases” in National Conference on Biomedical Instrumentation and Assistive Technologies, organized by the department of Biomedical Engineering, PSG College of Technology on June 27<sup>th</sup> & 28<sup>th</sup> 2014, Coimbatore.

#### **Journal Publications**

1. **Bazila Banu, A**, Appavu alias Balamurugan, S & Thirumalaikolundu Subramanian, P, 2014, ‘Deduction of dechallenge in spontaneous reporting system: A comparison of bayes method’, Indian journal of pharmacology,vol 46,pp.277-280.
2. **Bazila Banu, A** , Appavu alias Balamurugan,S & Thirumalaikolundu Subramanian 2013, ‘Ranking drugs in spontaneous reporting system by naive bayes’, Journal of Biological Sciences,vol.13,pp.293-297.
3. Shiny Beulah M ,**Bazila Banu A**, “Pharmacovigilance: An Overview of Drug Safety Monitoring in India”, International Journal of Applied Engineering Research, ISSN: 0973-4562, Volume 10, Number 2, 2015.
4. Shiny Beulah M ,**Bazila Banu A**, “A Novel Approach for Detecting Rare Drug-Drug Interaction using Data Mining”, International Research Journal “Advances in Natural and Applied Sciences” Volume 8, Number 16 ,Pg.No-75-83.

### **Programmes (Conference/FDP/Seminar/Workshop) Attended**

1. Mission 10X ,Wipro , 23-11-2009 to 27-11-2009(5 days)
2. Case study-Android, Thiagarajar College of Engineering,23-03-2011 to 24-03-2011(2 days)
3. Team Building and Leadership skills, Tata Consultancy Services,04 02-2012
4. Knowledge discovery in databases and R for Big Data Analysis, K.L.N.College of Information Technology,14 -07-2012.

### **Achievements & Certifications**

- Got gold Medal for first rank in university examination - Thiagarajar College of Engineering.
- Got gold medal from Mohammed Sathak Engineering College for outstanding performance in university examination

### **Personnel Details:**

Sex: Female

Date of Birth: 25/12/1977

Nationality: Indian

Marital Status: Married

Mother Tongue: Tamil

Languages Known: English, Tamil

Permanent Address : No ,3/2 Parasuram Patti Main Road

Moondrumavadi,K-Pudur,Madurai -625007.

**References:**

Name	Address	Tel	No. Of years Known
Dr.P.Ganesh Kumar	Professor, Information Technology Department,K.L.N.College of Engineering, Pottapalayam,Sivangangai Dt ,Tamilnadu,India	+91-984 296 1436	6
Dr.S.Appavu alias Balamurugan	Professor & Head, Department of Information Technology,K.L.N college of Information Technology, Pottapalayam,Sivangangai Dt ,Tamilnadu,India.	+91-999 482 5063	5