



# *MEANT*

*A socio professional organization*



## *VOICE of MEANT*

April 2012

Volume 8, Issue 1

MEANT provides an infrastructure for professional and personal involvement in America for present and future engineers of Kerala. Our activities extend to all communities especially to young students who want to pursue a career in Engineering. It also fosters social and cultural bonds among the members and families by providing a forum for interaction.



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### MESSAGE FROM BOD 2012

Dear Members,

Welcome to Voice of Meant,

It gives us great pleasure to welcome each one of you to MEANT in 2012. An year filled with activities which will satisfy your professional as well as social affinities is our mission. We thank the board of 2011 for its support and their effort to grow MEANT. Look forward to build MEANT to a great organization.

### Board of Directors



Arjun Rajagopal  
*Secretary*



Madhavi Vellore  
*Communication Director*



Ranjith Nair  
*Treasurer*



Shiju Abraham  
*Director*



Pramod Nair  
*President*



Manoj Ratnakaran  
*Director*



Resmi Vicas  
*President Elect*

Welcome to new members,

MATHEW K ITTOOP and Mrs. TARA JOIHN  
THOMAS K THOMAS and Mrs. SUNELA THOMAS  
SHAMIN MANNATHUKARAN

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### BANQUET 2012

MEANT annual banquet was held on February 10th 2012 at Cascades Center in The Colony, TX. The event was well attended by many MEANT members and well wishers. The Annual Banquet was auspiciously started when Karthika Arunkumar and Ramya Unnithan lighted the lamp in a traditional Indian way. Radhika Devi invited all guests to the evening in her welcome speech. The programs were introduced by Deepa Krishnankutty. In his President's remarks, Out going president Arun Kumar gave the highlight of the year 2011 and thanked his team which worked cohesively to bring many events in the past year. Bipin Ravi introduced the keynote speaker Victor Nilson, VP, IT Architecture and Common Services at AT&T. Mr. Victor Nilson gave a stellar speech and captured the minds and attention of all engineers present.



Following this was a Indian Classical dance presentation by Natyanjali School of Dance. The evenings Guest of Honor Hon. Mayor, The Colony Joe McCourry was introduced by Shella Sahib and May Joe took the audience attention by an excellent speech. Next awards to the Best Engineer was presented to Dr. John by Dr. Venu Menon who was one of the founding members of MEANT. IEEE Dallas Chairperson Maura Schreier-Fleming who has been an active supporter of MEANT activities in 2012 thanked members for supporting IEEE activities this year and also letting IEEE to be part of many MEANT events.



Introduction to incoming president was done by Last year's president Siby Mathew and MEANT President Pramod Nair introduced his Board of Directors and also provided a program calendar for 2012. This year many new programs such as MENTORing program and Professional events including executive breakfast series were also announced which has created immense excitement amongst members. Pramod Nair invited all founding members present to stand up and all audience recognized them with a great ovation. Recognition of all Board members were done followed by a sumptuous dinner. Joseph Kattampally presented the vote of thanks to the evening and by 10 pm all guests retired with a renewed vow to participate in more MEANT programs in 2012



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### 2012 Programs and Events

*We are pleased to announce programs and events of 2012. These programs were selected with both professional and social needs of our members. If you would like to have any other event / program arranged, please contact MEANT BOD and we will try our best to accommodate all requests.*

Professional Event	10-Mar
Kids club program	24-Mar
Music Night	28-Apr
Family Picnic	5-May
Professional Event	26-May
Kids Camp	16-Jun
Professional Event	7-Jul
Professional Event	28-Jul
Meant 2012 Event	11-Aug
Professional Event	21-Aug
Music Night	8-Sep
Math Olympiad	15-Sep
Meant fest	20-Oct
Camping	3-Nov
Professional Event	17-Nov
Music Night	15-Dec

### Professional Event –March 10th

MEANT and PMI joint session presented a unique opportunity for MEANT members to understand Project Management certifications as well as discuss new trends in Project Management including Agile Methodologies which are fast catching up. This was the first of the break fast series MEANT has planned for 2012.



Mr. Larry Johnson who is the Dallas Chapter President along with his VP attended the program and presented to MEANT. This was followed by a very active discussions which was the highlight of the morning. Considering the active participation of our members PMI offered one PDU for every participant which could be used against the PMP certification.



Anoop Vishwanathan who is the Forum chair along with BOD members coordinated the day and event to perfection.



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### KIDS CLUB — DALLAS KIDS EXPO 2012

Our first Kids club program was on march 24th. Many members and kids joined more than 10000 kids in Market Place near Dallas downtown. MEANT had made

special arrangements with the City Director and availed tickets at a discounted rate to all MEANT members. This event was sponsored by MEANT and tickets were brought to all who signed up for the event. Kids had a great time doing pony riding, playing, petting animals and many other activities including magic show and comedy shows which were presented appropriate to the age of our kids.

City Director has sent us a special thank you note for our participation of the event and has promised us to help us with future events. The parents were tired by 3pm but not the kids! All had a great time and many returned with trophies such as small ducklings or puppies.



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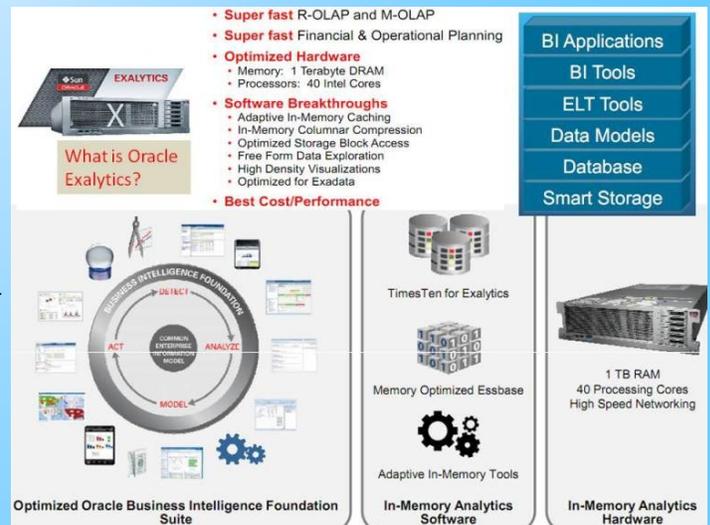
### Future of In-Memory Analytics? Oracle Big Data/Exalytics vs. SAP HANA

Big Data has become a super-heated area of the business intelligence (BI) landscape, with companies hoping to extract actionable insights from their growing stores of data. Business intelligence vendors are introducing solutions designed to help them do so. SAP introduced HANA (High-Performance Analytic Appliance) in December of 2010, followed by Oracle's releases of its Big Data and Exalytics Appliances in October of 2011. Those aren't the only options, however. IBM, SAS and others also offer Big Data solutions.

**Oracle:** The [Oracle Exalytics Business Intelligence Machine](#) is an in-memory hardware and software system engineered to run analytics faster. The idea is to broaden Information access through the introduction of interactive visualization capabilities that can be utilized by users who aren't schooled in business intelligence techniques. Oracle opted for an integrated approach to hardware, software and middleware to provide users with a box that does one thing really well. Its Exalytics box comes with the Oracle [Business Intelligence Foundation](#), a version of the Oracle TimesTen In-Memory Database, and an Oracle SunFire server which offers 1 terabyte (TB) of RAM and the Intel Xeon E7-4800 processor (40 cores). That's enough RAM for abundant in-memory business intelligence.

According to Oracle, InfiniBand database connectivity eliminates a lot of query latency. The [Oracle Big Data Appliance](#), on the other hand, is for processing unstructured data using Oracle Database 11g and open source Apache Hadoop technology. It can be hooked up with other Oracle boxes to create hybrid systems that crunch both structured and unstructured data.

**SAP:** Instead of an engineered system from one vendor, the [SAP HANA platform](#) is a combination of in-memory software and partner hardware. This in-memory computing engine enables an integrated database and calculation layer that allows the processing of massive quantities of real-time data in main memory. The SAP in-memory computing engine incorporates a high-performance calculation engine that embeds procedural language support directly into the database kernel. This approach is designed to eliminate the need to read data from the database, process it and then write data back to the database. With the dramatically improving price performance of main memory and the rise of massively parallel multi-core processors, Klein said systems can now support use cases that were impossible before. Examples include the execution of core ERP transactions up to 1,000 times faster.



**What is Oracle Exalytics?**

- **Super fast** R-OLAP and M-OLAP
- **Super fast** Financial & Operational Planning
- **Optimized Hardware**
  - Memory: 1 Terabyte DRAM
  - Processors: 40 Intel Cores
- **Software Breakthroughs**
  - Adaptive In-Memory Caching
  - In-Memory Columnar Compression
  - Optimized Storage Block Access
  - Free Form Data Exploration
  - High Density Visualizations
  - Optimized for Exadata
- **Best Cost/Performance**

**BI Applications**

- BI Tools
- ELT Tools
- Data Models
- Database
- Smart Storage

**Optimized Oracle Business Intelligence Foundation Suite**

- TimesTen for Exalytics
- Memory Optimized Essbase
- Adaptive In-Memory Tools

**In-Memory Analytics Software**

**In-Memory Analytics Hardware**

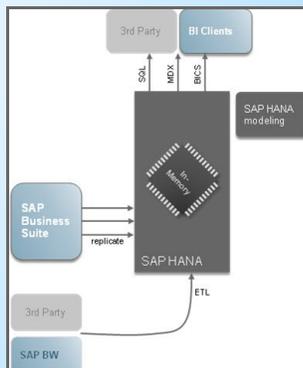
- 1 TB RAM
- 40 Processing Cores
- High Speed Networking

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### Future of In-Memory Analytics? Oracle Big Data/Exalytics vs. SAP HANA

SAP NetWeaver Business Warehouse (BW) acts as a data warehouse for HANA. The company is rolling out applications that can leverage HANA, including SAP Business Objects Strategic Workforce Planning, SAP Dynamic Invoice Discounting, SAP Trade Promotion Management, sales and operations planning, smart meter analytics, dynamic cash management, profitability analysis accelerator and profitability analysis accelerator for SAP ERP.



Future: While SAP has a vision to take their entire application suite including the enterprise applications ECC, CRM and other in HANA which will eliminate the need for ETL. It looks like HANA has the edge in scaling of memory, as the system is reportedly scalable up to 16 TB. Oracle offers a TB in Exalytics, though it can piggy back that appliance with other Oracle boxes to further boost memory further. Oracle owns the hardware, while SAP uses partners to provide it. Only time will tell who has the most workable solution.

The acid test here will be real-world customer successes boasting verifiable amounts of memory in specific use cases. Users are advised to see which functions best fit their own needs as opposed to believing the marketing messaging.

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### **Take the first step in to your future - MEANT TOAST MASTER CLUB**

Do you want to give stellar speeches? Are you afraid of public speaking and always wanted to give one? MEANT is planning to help its members and friends an opportunity to learn how to speak well and effective. MEANT would like to know how many of you would be wanting to attend a Toastmaster club? Please do send your opinion to [communications@meant.org](mailto:communications@meant.org) if you would like to be part of the MEANT Toast Master Club. If we get enough support / requests we will be starting the MEANT Toast Master Club which will meet regularly to make your next speech the one which will captivate the audience.

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### Banquet Pictures



Please send your comments and suggestions by sending email to [communications@meant.org](mailto:communications@meant.org) .  
Your opinions are valuable in making our magazine and organization is important to us.