FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Data Warehousing and Business Intelligence
(19th September 2016 to 24th September 2016)
Organized by
Gayatri Vidya Parishad College of Engineering (Autonomous) Visakhapatnam
in association
With National Institute of Technology, Warangal
Under the scheme of Electronics & ICT Academy
(Sponsored by Department of Electronics and Information Technology (DeitY), GOI)

Preamble:

"Electronics & ICT Academy" is being set up at NIT Warangal with financial assistance from DeitY, MCIT, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka States and Pudicherry, Andaman & Nicobar Islands . This academy role is to offer faculty development programs in standardized courses and emerging areas of Electronics, Information Communication Technologies; training & consultancy services for Industry; Curriculum development for Industry; CEP for working professionals; Advice and support for technical incubation and entrepreneurial activities.

As part of this initiative, a Faculty Development Programme (FDP) on **Data Warehousing and Business Intelligence** is being conducted to the Faculty members of engineering, MCA and other allied degree colleges.

Major Course Contents:

This course consists of topics related to data warehousing and Business Intelligence along with demos and hands on experiments related to Analytics tools. **Details about content of each module along with tentative schedule is enclosed in Appendix -I**. The whole Programme was designed by considering industry requirements.

Organized at:

The programme will be coordinated and conducted by Information Technology Department of Gayatri Vidya Parishad College of Engineering (Autonomous) Visakhapatnam. The whole course is handled by academicians and industry experts.

Eligibility:

The programme is open to the *teachers of engineering colleges, MCA/BCA degree colleges and other allied disciplines* in Telangana, Andhra Pradesh, Karnataka states and Pudicherry, Andaman and Nicobar Islands. Industry and other working professionals are also eligible.

Pre–Requisites: Databases back ground is needed.

Registration Fee Particulars:

Faculty members and Research scholars from mentioned states: Rs. 2000/- Only
Industry participants: Rs.6000/- Only
Participants from other states: Rs.8500/- Only

The participants need to send a crossed demand draft (DD) drawn in favour of "Director, NIT Warangal" and payable at SBH, NIT Warangal branch.

Accommodation:

No TA/DA will be paid to the participants. Accommodation is arranged for outstation participants at GVPCOE(A),Visakhapatnam campus. Working Lunch, Tea & Snacks and Dinner would be provided during the training at GVPCOE(A) campus.

How to apply:

A filled-in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator on or before the last date by post/courier. Participants are requested to write their name and contact number backside of demand draft. It is also mandatory to send scanned application form and demand draft through e-mail to nagatej09@gvpce.ac.in as selection will be intimated only through e-mail.

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified by email. The maximum number of participants will be 50 **(fifty)**. Additionally 10 participants from industry are allowed to participate. **The list of selected participants will be intimated through e-mail.** In case a candidate is not selected, the demand draft will be sent back. Candidates will be issued certificates on successful completion of the course along **with grade**. Reservations of seats are followed for selecting candidates as per GOI norms.

Important dates:

Last Date(Application & DD)	8th September, 2016
Selection List by Email	15th September, 2016
Duration	19th to 24th September, 2016 (6 days)

About GVPCOE (A), Visakhapatnam

The GVP College of Engineering, Visakhapatnam started in 1996, has very quickly established itself as one of the most-preferred private engineering colleges in Andhra Pradesh. College has been accredited by NAAC in 2009 and again reaccredited with same A grade (with a score of 3.47/4.00). in 2016. The college has been sanctioned "Autonomous" status by the UGC and conferred by the affiliating University, JNT University, Kakinada in 2009.

GVP College of Engineering has 7 UG Programmes, 13 PG Programs and 8 Departments were recognized as Research Centers by the affiliated University, JNTU-K, Kakinada. All the 7 UG programmes are accredited by NBA and 5 of them are accredited as per Outcome Based Education (OBE) and 5 PG programs are applied for NBA as per OBE.

About NIT, Warangal:

National Institute of Technology (formerly Regional Engineering College), Warangal is an Institute of National Importance and fully funded by MHRD, Govt. of India. It offers various programmes B.Tech. in eight branches, PG and MTech programmes, also Ph.D. programmes.

APPLICATION FORM

Electronics and ICT Academy-NITW

FDP on

Data Warehousing and Business Intelligence
(19th September 2016 to 24th September 2016)

(Paste your passport size photograph here)

1. Name:

2. Designation:

3. Institution:

4. E-mail: Mobile:

5. DD No: Bank: Date:

6. Address for Correspondence

7. Educational Qualifications with specialization:

8. Subjects taught so far:

9. No. of refresher courses/workshops attended:

10. Experience (in years)   :
      Teaching: Research: Industry:

11. Do you belong to reservations SC/ST (YES/NO): If YES, please specify*
* Attach photo copy

12. Do you require accommodation during Training: Yes/ No

Declaration
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:
Date: Signature of the applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms.   ……………………………………………………………………………………………… is an

employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **Data Warehousing**

and Business Intelligence sponsored by Electronics & ICT Academy during *19th September 2016 to*

24th September 2016 at GVPCOE(A),Visakhapatnam - 530048

Place:

Date: Signature of Principal / Head of Institution

(With seal)

Address for correspondence

Post your application form along with DD to

Mr. D.Naga Tej
Training Coordinator for FDP on
Data Warehousing and Business Intelligence
Department of Information Technology
Gayatri Vidya Parishad College of Engineering(A),
Madhurawada,
Visakhapatnam – 530048
Andhra Pradesh State, India

E-mail the scanned copies of filled-in and duly signed application form along with DD to
nagatej09@gvpce.ac.in

For more details about Electronics and ICT academy please visit: **http://nitw.ac.in/eict/**

For any enquiry please contact:
Tel.:+919618326506, Email: **nagatej09@gvpce.ac.in**

Coordinators

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Mr. D.Naga Tej
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Gayatri Vidya Parishad College of
Engineering(A)

Organized by
Electronics and ICT Academy, NIT Warangal and
Department of Information Technology, Gayatri Vidya Parishad College of Engineering (A),
Madhurawada, Visakhapatnam

Appendix I:
Faculty Development Programme (FDP) On
Data Warehousing and Business Intelligence
Tentative Topics (19th September 2016 to 24th September 2016)

Module No	Module Name	Module Topics
1	Business Intelligence Overview	Business Intelligence Introduction – Definition, Leveraging Data and knowledge for BI, BI Components, BI Dimensions, Information Hierarchy, Business Intelligence and Business Analytics. BI Life Cycle. Data for BI - Data Issues and Data Quality for BI.
2	Fundamentals of Data Warehousing	Need for Data Warehousing, Similarities and Differences between DW and Database, Basic building blocks of DW, DW Requirements Collection, DW Architectural components, Infrastructure and Role of Meta data
3	Data pre-processing	Need for data pre-processing, data cleaning methods, descriptive data summarization, data reduction methods, data discretization and concept hierarchy generation
4	Dimensional modeling	Principles, characteristics of dimension and fact tables, aggregated fact tables, RDBMS support for dimension table, DW schema design – case studies
5	Online Analytical Processing	OLTP Vs OLAP systems and differences, Multi Dimensional model, OLAP operators, Data cube using SQL, Categories of OLAP tools,
6	Data Generalization methods	Data Generalization and concept description, Attribute oriented induction methods, class comparison using AOI method.
7	Data Cube Computation	Data cube concept, materialization of different data cubes, methods of data cube computation, multi feature cubes
8	Data Warehouse Administration	Data Quality, Indexing principles for DW, Monitoring and Tuning of parallel queries, query rewriting and summary advisory functions, ETL Overview
9	Implementation and Maintenance issues of DataWarehouse	Data warehouse Physical Design, Best practices of DW project Implementation and DW deployment process and issues.
10	BI Architecture and implementation	BI Implementation - Key Drivers, Key Performance Indicators and operational metrics, BI Architecture/ Framework, Best Practices, Business Decision Making..
11	Advanced BI	Advanced BI – Big Data and BI, Social Networks, Mobile BI, emerging trends.
12	Business performance Management	Business/Corporate Performance Management - Dash Boards and Scorecards, Business Activity Monitoring, Six Sigma
13	Data Analytics	Data Analytics – Objective Curve, principles of Analytics and tools, Dash Boards scorecards etc

D V L N Somayajulu & Mr. D.Naga Tej,

Coordinators of DW& BI