UNIT-5

•	Importance of BI: - Fill the gap of data access needs of organization. - Direct access query. - Standard reports for push button access.
	- fill the gap of data access needs
	- Direct access query
	- Standard reports for push button access.
	- Analytic applications for pushbutton access
	- Standard reports to pushbutton access - Analytic applications for pushbutton access - Operational BI for operational reporting.
	Analytic Cycle for BI:
	- Stage I: Monitor Activity.
	- stage 2: Identify Exceptions
	- stage 3: Determine Causal Factors.
	- stage 4: Model Alternatives.
	- Stage 2: Monitor Activity. - Stage 2: Identify Exceptions. - Stage 3: Determine Causal factors. - Stage 4: Model Alternatives. - Stage 5: Take action: and track Results.
•	guery formulation:
	To formulate the query, capabilities includes,
	- multipass or multi set queries.
	- break the report into multiple queries.
N	- break the report into multiple queries Allows drilling across different fact tables.
•	Analysis & presentation capabilities:
	- Basic calculations on result set
	- math, statistical, string, sequential processing.
	contained of Cossilia.
	- Tivot the results.
	- Drill down.
	- Column & row calculations.
-	- Sorting.
	- Complex formatting.
. 50 2 %.	- Charting & graphs.
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•	collowing capabilities help to impreve user experience of
	analytical environment:
	- Ease of use
	- Metadata access
	- Pick lists*
	- Seamless integration with other applications.
	- Export to multiple file types.
	- Embedded quenies.
•	The
	Technical features:
	- Multitasking.
The second secon	- scripting.
	- Connectivity
	- scheduling
	- Metadata driven
	- Software administration.
	- Security
	- Guerying
	- Standard reports.
And the second	
•	Analytical Applications:
ella	
	- more complex than standard reports.
	- more complex than standard reports. - Used to solve Breafic problems & used by specific
	LISERS
	- Used by promotion managers, sales managers, cost center managers & brand managers on regular basis. - Sold as stand alone applications
	managers & brand managers on regular basis.
	- sold as stand alone applications
Since the second	- Include like, promotion effectiveness, trava
	- Include like, promotion effectiveness, fraud defection, category management

	Pre-Built Analytic applications:
	The board Mineral III and the second
	- These are available from major BI tool vendor and from
	companies with hands on industry and functional experience
	- Comes with domain expertise.
	- If suites to your requirements then better to buy than built.
	- comes with ETL components & dimensional models.
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•	Read/Write Analytic applications:
lv.	the state of the s
	= Requires both read & write access.
4	- Includes planning budgeting, forecasting.
	- forecasting process takes historical sales into +
	- Includes planning budgeting, forecasting Forecasting process takes historical sales into forecasting projects it into future.
	Dashboards and Scorecards:
	- Used by executives.
	- Dashboard provide interface tools that support
	status reporting and ollerts.
	- Scorecards used as means to manage performance
	across organization.
•	Data Mining:
1	there and the first war and the first the firs
	- Process of data exploration with an intent to find
	patterns or relationships that can be made useful
	to rorganization.
	- Helps in understand and predict behavior, identify relationships or group items into sets.
15	relationships or group items into sets.
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	The second state of the se
	- Five major categories:
	1) Chastering.
	3 Classify ing
	3) estimating.
	4) Predicting.
	1) Chastering. 2) Classifying 3) estimating. 4) Predicting. 5) affinity grouping & anomaly detection.
•	Additional portal functions:
	- search
	- Metadata browser.
	- User forum
	- Personalization
	- Information center.