

HR Analytics			
Course Code	22MBABA404	CIE Marks	50
Teaching Hours/Week (L:P:SDA)	2:2:0	SEE Marks	50
Total Hours of Pedagogy	40	Total Marks	100
Credits	03	Exam Hours	03
Course Learning objectives: <ul style="list-style-type: none"> To introduce the student to the theory, concepts, and business application of human resources research, data, metrics, systems, analyses, and reporting. To develop an understanding of the role and importance of HR analytics, and the ability to track, store, retrieve, analyse and interpret HR data to support decision making. To aware the challenges human resources analytics for the competitive advantage of the organization. To enable students to use applicable benchmarks/metrics to conduct research and statistical analyses related to Human Resource Management. 			
Module-1 6 Hours			
HR Analytics in Perspective: Role of Analytics, Defining HR Analytics, HR Analytics: The Third Wave for HR value creation, HR Measurement journey in tune with HR maturity journey Understanding the organizational system (Lean), Locating the HR challenge in the system , Valuing HR Analytics in the organizational system.			
Module-2 6 Hours			
HRA Frameworks: Current approaches to measuring HR and reporting value from HR contributions, Strategic HR Metrics versus Benchmarking, HR Scorecards & Workforce Scorecards and how they are different from HR Analytics, HR Maturity Framework: From level 1 to level 5, HR Analytics Frameworks: (a) LAMP framework; (b) HCM:21 Framework and (c) Talentship			
Module-3 7 Hours			
Basics of HR Analytics: Basics of HR Analytics, what is Analytics, Evolution, Analytical capabilities, Analytic value chain, Analytical Model, Typical application of HR analytics. Predictive Analytics: Steps involved in predictive analytics: Determine key performance indicator, analyse and report data, interpreting the results and predicting the future. Metrics and Regression analysis and Causation.			
Module-4 7 Hours			
Insight into Data Driven HRA: Typical data sources, Typical questions faced (survey), Typical data issues, Connecting HR Analytics to business benefit (case studies), Techniques for establishing questions, Building support and interest, Obtaining data, Cleaning data (exercise), Supplementing data.			
Module-5 7 Hours			
HR Metrics – Defining metrics, Demographics, data sources and requirements, Types of data, tying data sets together, Difficulties in obtaining data, ethics of measurement and evaluation. Human capital analytics continuum. HR Dashboards. Statistical software used for HR analytics: MS-Excel, IBM-SPSS, IBMAMOS, SAS, and R programming and data visualisation tools such as Tableau, Plotly, Click view and Fusion Charts.			
Module-6 7 Hours			

HR Scorecard: Assessing HR Program, engagement and Turnover, Finding money in Analytics, Linking HR Data to operational performance, HR Data and stock performance. Creating HR Scorecard, develop an HR measurement system, guidelines for implementing a HR Scorecard.

Assessment Details (both CIE and SEE)

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing marks for the CIE is 50% of the maximum marks. Minimum passing marks in SEE is 40% of the maximum marks of SEE. A student shall be deemed to have satisfied the academic requirements (passed) and earned the credits allotted to each course if the student secures not less than 50% in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

Continuous Internal Evaluation:

There shall be a maximum of 50 CIE Marks. A candidate shall obtain not less than 50% of the maximum marks prescribed for the CIE.

CIE Marks shall be based on:

- a) Tests (for 25Marks) and
- b) Assignments, presentations, Quiz, Simulation, Experimentation, Mini project, oral examination, field work and class participation etc., (for 25 Marks) conducted in the respective course. Course instructors are given autonomy in choosing a few of the above based on the subject relevance and should maintain necessary supporting documents for same.

Semester End Examination:

The SEE question paper will be set for 100 marks and the marks scored will be proportionately reduced to 50.

- The question paper will have 8 full questions carrying equal marks.
- Each full question is for 20 marks with 3 sub questions.
- Each full question will have sub question covering all the topics.
- The students will have to answer five full questions; selecting four full questions from question number one to seven in the pattern of 3, 7 & 10 Marks and question number eight is compulsory.
- No Laboratory exam for this course.

Suggested Learning Resources:**Books**

- Moore, McCabe, Duckworth, and Alwan. The Practice of Business Statistics: Using Data for Decisions, Second Edition, New York: W.H.Freeman, 2008.
- Predictive analytics for Human Resources, Jac Fitz-enz, John R. Mattox, II, Wiley, 2014.
- Human Capital Analytics: Gene Pease Boyce Byerly, Jac Fitz-enz, Wiley, 2013.
- The HR Scorecard: Linking People, Strategy, and Performance, by Brian E. Becker, Mark A. Huselid, Mark A Huselid, David Ulrich, 2001.
- HR Analytics: The What, Why and How, by Tracey Smith
- The New HR Analytics: Predicting the Economic Value of Your Company's Human By Jac FITZ-ENZ, 2010.

Web links and Video Lectures (e-Resources):

- <https://www.pdfdrive.com/predictive-hr-analytics-mastering-the-hr-metric-e188006190.html>
- <https://www.pdfdrive.com/hr-metrics-and-workforce-analytics-e20835652.html>
- <http://u.camdemy.com/sysdata/doc/f/fb30e8a98c5d9a85/pdf.pdf>
- <https://www.youtube.com/watch?v=zogLCssWOTs>
- <https://www.digimat.in/nptel/courses/video/110104086/L05.html>
- <https://www.youtube.com/watch?v=wcs-wlkTJlc>

Note: The aforesaid links and study materials are suggestive in nature, they may be used with due regards to copy rights, patenting and other IPR rules.

Skill Development Activities Suggested

- To solve case studies on Workplace Ethics Discussion on “How to have/ evaluate the performance of the MBA students”
- To visit organizations and find out the problems and causes for unethical behavior at Workplace.
- Identify the important HR metrics used in manufacturing companies.
- Ask students to collect manpower data of your institute and prepare HR Dashboards.
- Collect the payroll detail from IT Company and use module 6 contents.

Course outcome:

At the end of the course the student will be able to :

Sl. No.	Description	Blooms Level
CO1	Have an understanding of How HR function adds value and demonstrates the value in business terms	L2
CO2	Measure the value of Intangibles that HR helps builds for the organization given a particular business context to facilitate decision making.	L3
CO3	Convert soft factors in a people management context into measurable variables across various domains.	L4
CO4	Devise, conduct and analyse a study on employees or any other related to the HR context in an organization.	L5

Mapping of COS and POs

	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4
CO1	1				2	3			
CO2		2	2				2		
CO3				3		3		2	
CO4		2		2			1		2



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