Indian Institute of Technology Guwahati
Proposal for a New Course

Course Number & Title: **BM504H & Business Statistics and Data Analysis for Management**	
L-T-P-C: 4-0-0-4	
Type of Letter Grading (Regular Letter Grades / PP or NP Letter Grades): Regular Letter Grades	
Kind of Proposal (New Course / Revision of Existing Course): New	
Offered as (Compulsory / Elective): Compulsory	
Offered to: Masters of Business Administration (MBA)	
Offered in (Odd/ Even / Any): Odd	
Offered by (Name of Department/ Center): School of Business	
Pre-Requisite: NIL	
Preamble / Objectives (Optional):	

Course Content/ Syllabus *(as a single paragraph if it is not containing more than one subject. Sub-topics/ Sections may be separated by commas(,). Topics may be separated by Semi-Colons(;). Chapters may be separated by Full-Stop(.). While starting with broad heading, it may be indicated with Colon symbol before the topics. For example: Multi-variable Calculus: Limits of functions, Continuity, ...)*

Descriptive measures, variance, co-variance, coefficient of correlation: Pearson, Spearman, Partial; Probability, basic concepts, conditional probability, independence, marginal probability; Random variables, discrete probability distributions, continuous probability distributions, normal distribution; Statistical inference, sampling distributions, confidence interval estimation; Testing of hypothesis, one-sample test, t-Test, z-Test, two sample test, Z-test, F-test; Regression, simple linear regression, multiple linear regression, hierarchical regression.

Books (In case UG compulsory courses, please give it as "Text books" and "Reference books". Otherwise give it as "References".

Texts: (Format: Authors, *Book Title in Italics font*, Volume/Series, Edition Number, Publisher, Year.)

1.	D.M. Levine, D.F. Stephan and Kathryn A. Szabat, *Statistics for Managers, Using Microsoft Excel*, 8th Edition, Pearson Education, 2017.
2.	R.I. Levin, M.H. Siddiqui, D.S. Rubin and S. Rastogi, *Statistics for Management*, 8th Edition, Pearson Education, 2017.
3.	

References: (Format: Authors, *Book Title in Italics font*, Volume/Series, Edition Number, Publisher, Year.)

1.	
2.	

Detailed Course Content (Optional)
It will not be included in the Courses of Study Booklet

Sl. No.	Broad Title / Topics	Number of Lectures
1		
2		
3		
4		
5		
	Total Number of Lectures =	