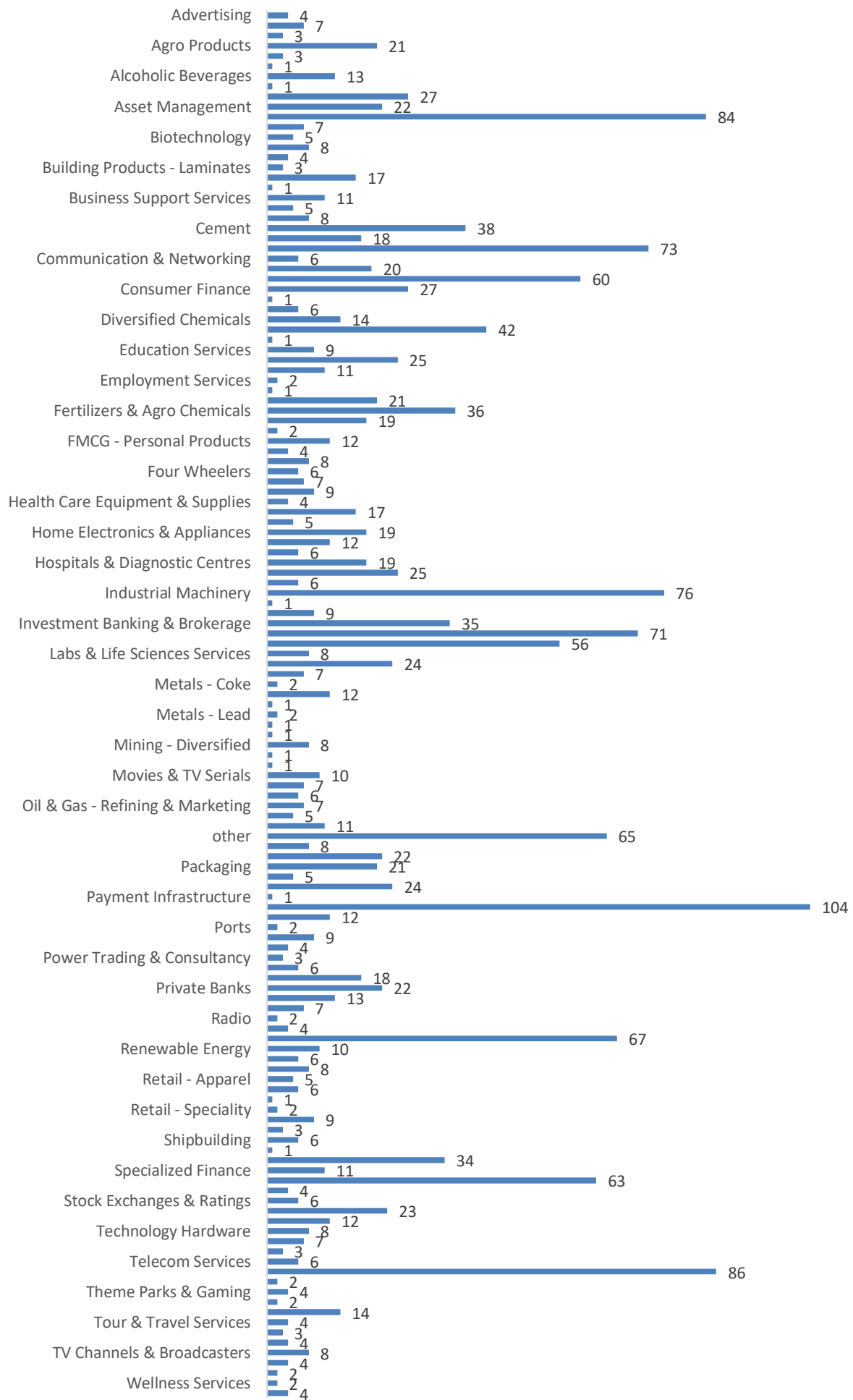


Firstly, screen the companies and visualise them according to sub-sectors using a pie chart or a bar charts.

Sub-Sector	No. of company
Advertising	4
Aerospace & Defense Equipments	7
Agricultural & Farm Machinery	3
Agro Products	21
Airlines	3
Airports	1
Alcoholic Beverages	13
Animation	1
Apparel & Accessories	27
Asset Management	22
Auto Parts	84
Batteries	7
Biotechnology	5
Building Products - Ceramics	8
Building Products - Granite	4
Building Products - Laminates	3
Building Products - Pipes	17
Building Products - Prefab Structures	1
Business Support Services	11
Cable & D2H	5
Cables	8
Cement	38
Commodities Trading	18
Commodity Chemicals	73
Communication & Networking	6
Conglomerates	20
Construction & Engineering	60
Consumer Finance	27
Cycles	1
Debt	6
Diversified Chemicals	14
Diversified Financials	42
Dredging	1
Education Services	9
Electrical Components & Equipments	25
Electronic Equipments	11
Employment Services	2
Environmental Services	1
Equity	21
Fertilizers & Agro Chemicals	36
FMCG - Foods	19
FMCG - Household Products	2
FMCG - Personal Products	12
FMCG - Tobacco	4
Footwear	8
Four Wheelers	6
Gas Distribution	7
Gold	9
Health Care Equipment & Supplies	4
Heavy Electrical Equipments	17
Heavy Machinery	5
Home Electronics & Appliances	19

Home Financing	12
Home Furnishing	6
Hospitals & Diagnostic Centres	19
Hotels, Resorts & Cruise Lines	25
Housewares	6
Industrial Machinery	76
Infra REIT	1
Insurance	9
Investment Banking & Brokerage	35
Iron & Steel	71
IT Services & Consulting	56
Labs & Life Sciences Services	8
Logistics	24
Metals - Aluminium	7
Metals - Coke	2
Metals - Diversified	12
Metals - Iron	1
Metals - Lead	2
Mining - Coal	1
Mining - Copper	1
Mining - Diversified	8
Mining - Iron Ore	1
Mining - Manganese	1
Movies & TV Serials	10
Oil & Gas - Equipment & Services	7
Oil & Gas - Exploration & Production	6
Oil & Gas - Refining & Marketing	7
Oil & Gas - Storage & Transportation	5
Online Services	11
other	65
Outsourced services	8
Packaged Foods & Meats	22
Packaging	21
Paints	5
Paper Products	24
Payment Infrastructure	1
Pharmaceuticals	104
Plastic Products	12
Ports	2
Power Generation	9
Power Infrastructure	4
Power Trading & Consultancy	3
Power Transmission & Distribution	6
Precious Metals, Jewellery & Watches	18
Private Banks	22
Public Banks	13
Publishing	7
Radio	2
Rail	4
Real Estate	67
Renewable Energy	10
Renewable Energy Equipment & Servic	6
Restaurants & Cafes	8
Retail - Apparel	5
Retail - Department Stores	6
Retail - Online	1

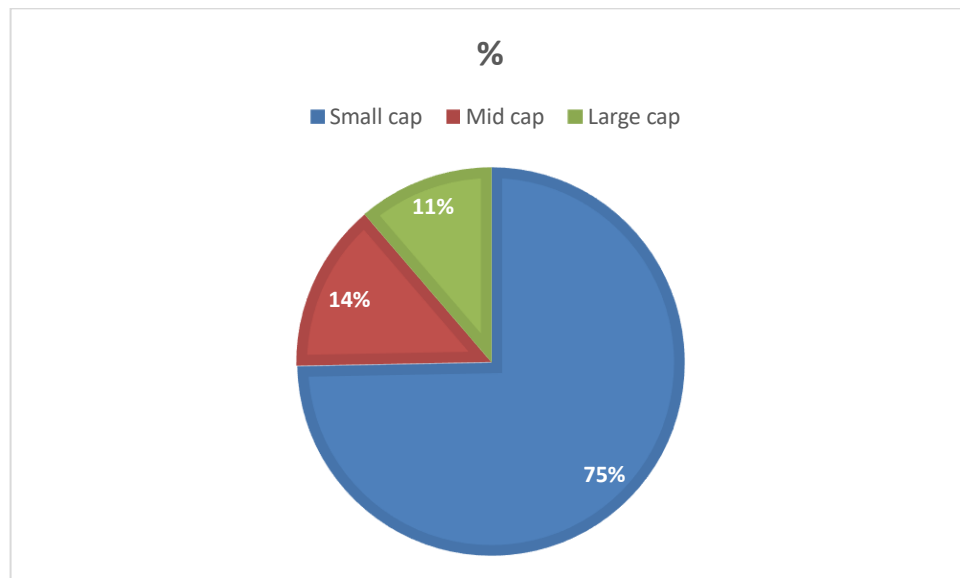
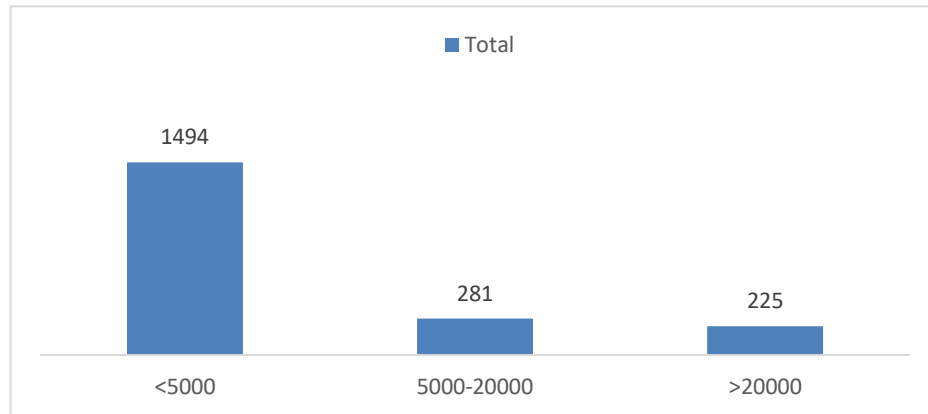
Retail - Speciality	2
Roads	9
Seeds	3
Shipbuilding	6
Soft Drinks	1
Software Services	34
Specialized Finance	11
Specialty Chemicals	63
Stationery	4
Stock Exchanges & Ratings	6
Sugar	23
Tea & Coffee	12
Technology Hardware	8
Telecom Equipments	7
Telecom Infrastructure	3
Telecom Services	6
Textiles	86
Theatres	2
Theme Parks & Gaming	4
Three Wheelers	2
Tires & Rubber	14
Tour & Travel Services	4
Tractors	3
Trucks & Buses	4
TV Channels & Broadcasters	8
Two Wheelers	4
Water Management	2
Wellness Services	2
Wood Products	4



■ Total

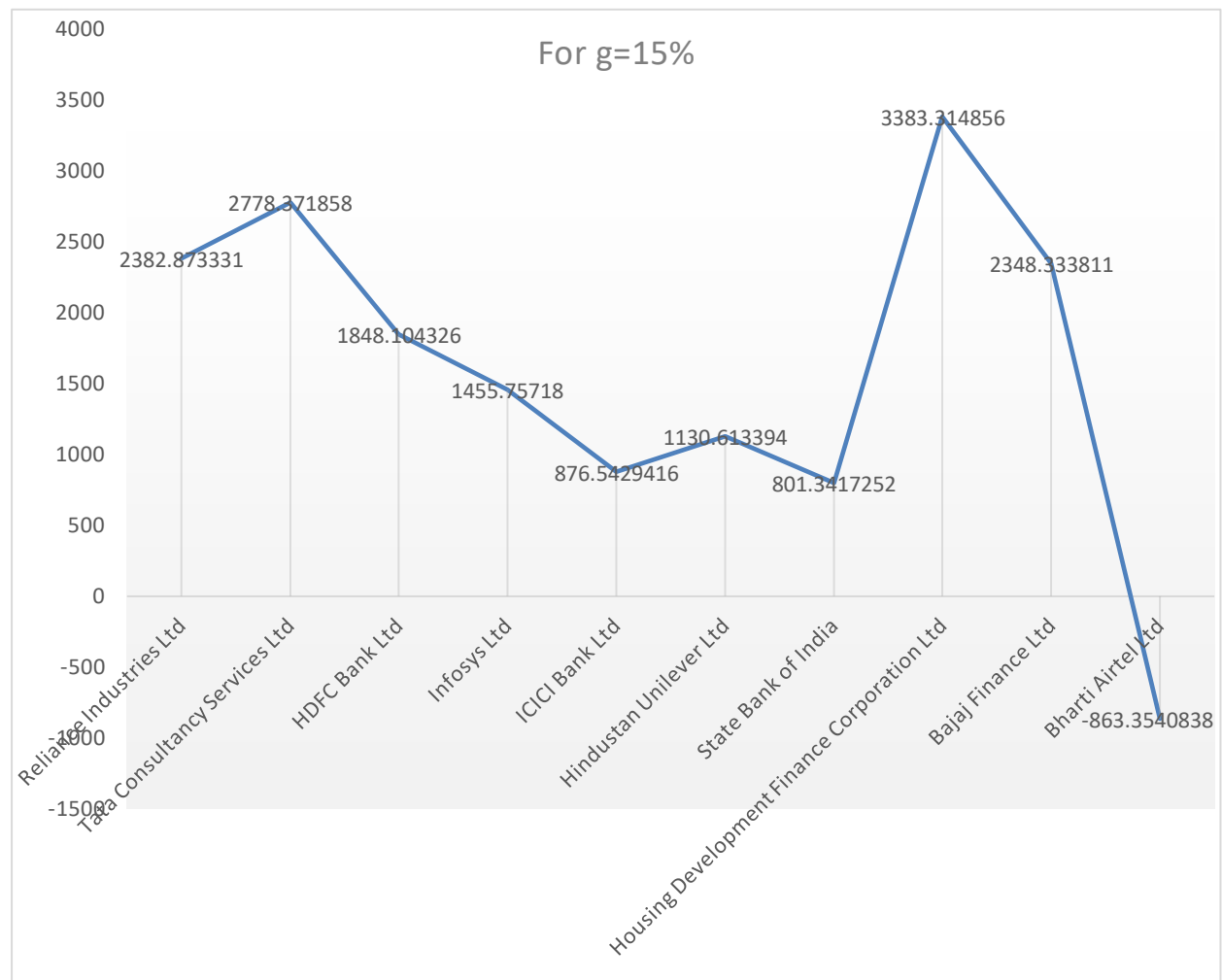
Secondly, visualise the companies by segregating them according to Market Cap in three categories: Large Cap(>20,000 crore), Mid Cap (5,000 to 20,000 crore) & Small Cap(<5,000).

	Range for market cap	Count
Small cap	<5000	1494
Mid cap	5000-20000	281
Large cap	>20000	225

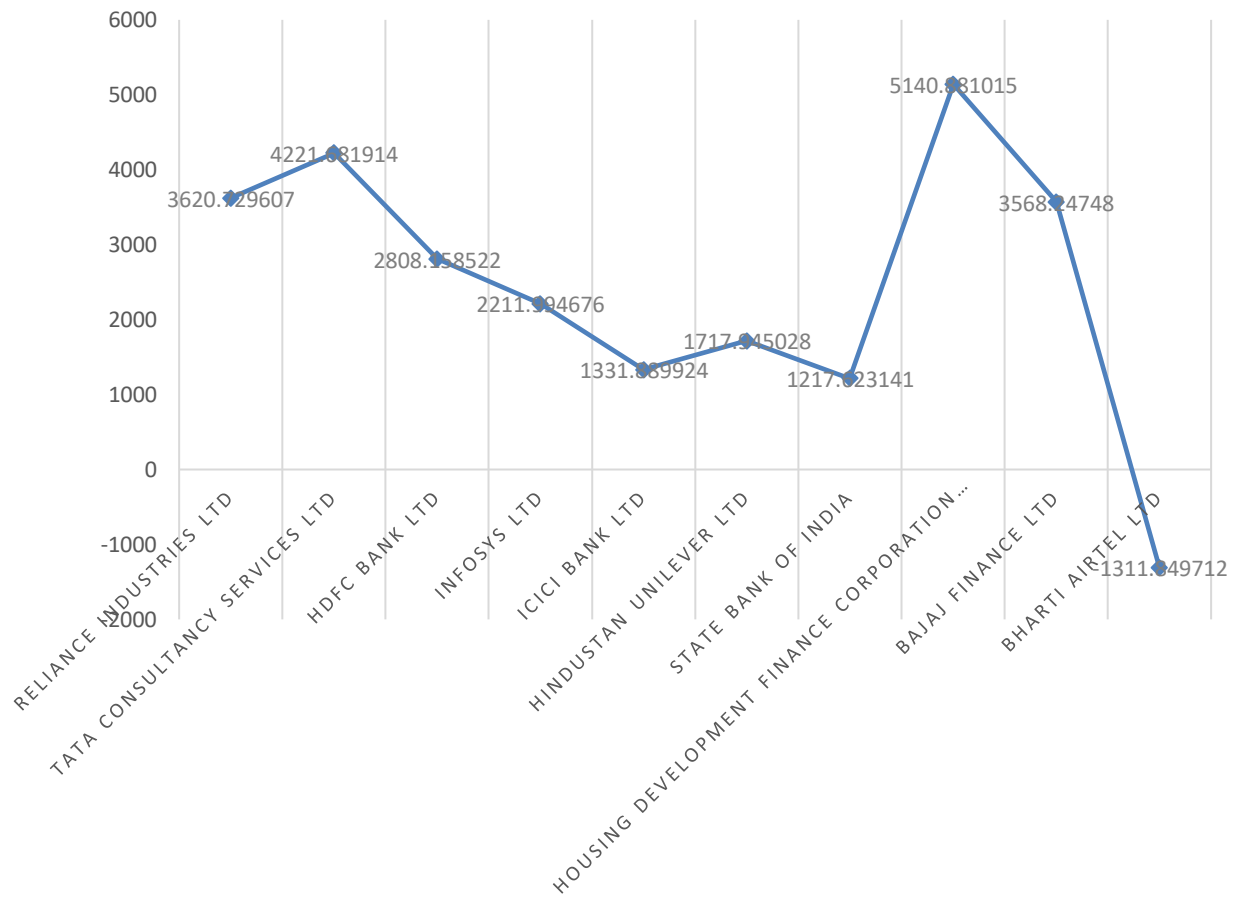


Thirdly, pick 10 random companies from the entire group and visualise the following through a line chart

			Y= 7.237%		
Name	Market Cap	Earnings Per Share	intrinsic value (g=15%)	intrinsic value (g=25%)	intrinsic value (g=-5%)
Reliance Industries Ltd	1679534.2	74.653048914109	2382.873331	3620.729607	-92.8392207
Tata Consultancy Services Ltd	1358569.1	87.0436239569868	2778.371858	4221.681914	-108.2482542
HDFC Bank Ltd	820636.27490988	57.8992684343621	1848.104326	2808.158522	-72.00406466
Infosys Ltd	777500.97598866	45.6074229994011	1455.75718	2211.994676	-56.71781221
ICICI Bank Ltd	500279.04190316	27.4612176128086	876.5429416	1331.889924	-34.1510237
Hindustan Unilever Ltd	493895.83122871	35.4209919264275	1130.613394	1717.945028	-44.04987251
State Bank of India	447926.25289146	25.1052383788831	801.3417252	1217.623141	-31.22110618
Housing Development Finance Corporation Ltd	437634.04331285	105.99588576307	3383.314856	5140.881015	-131.8174619
Bajaj Finance Ltd	423044.10954736	73.5709601450245	2348.333811	3568.24748	-91.49352512
Bharti Airtel Ltd	416050.84589812	-	-863.354084	-1311.849712	33.63717209
		27.0480238274925			



FOR G=25%



For $g=-5\%$

