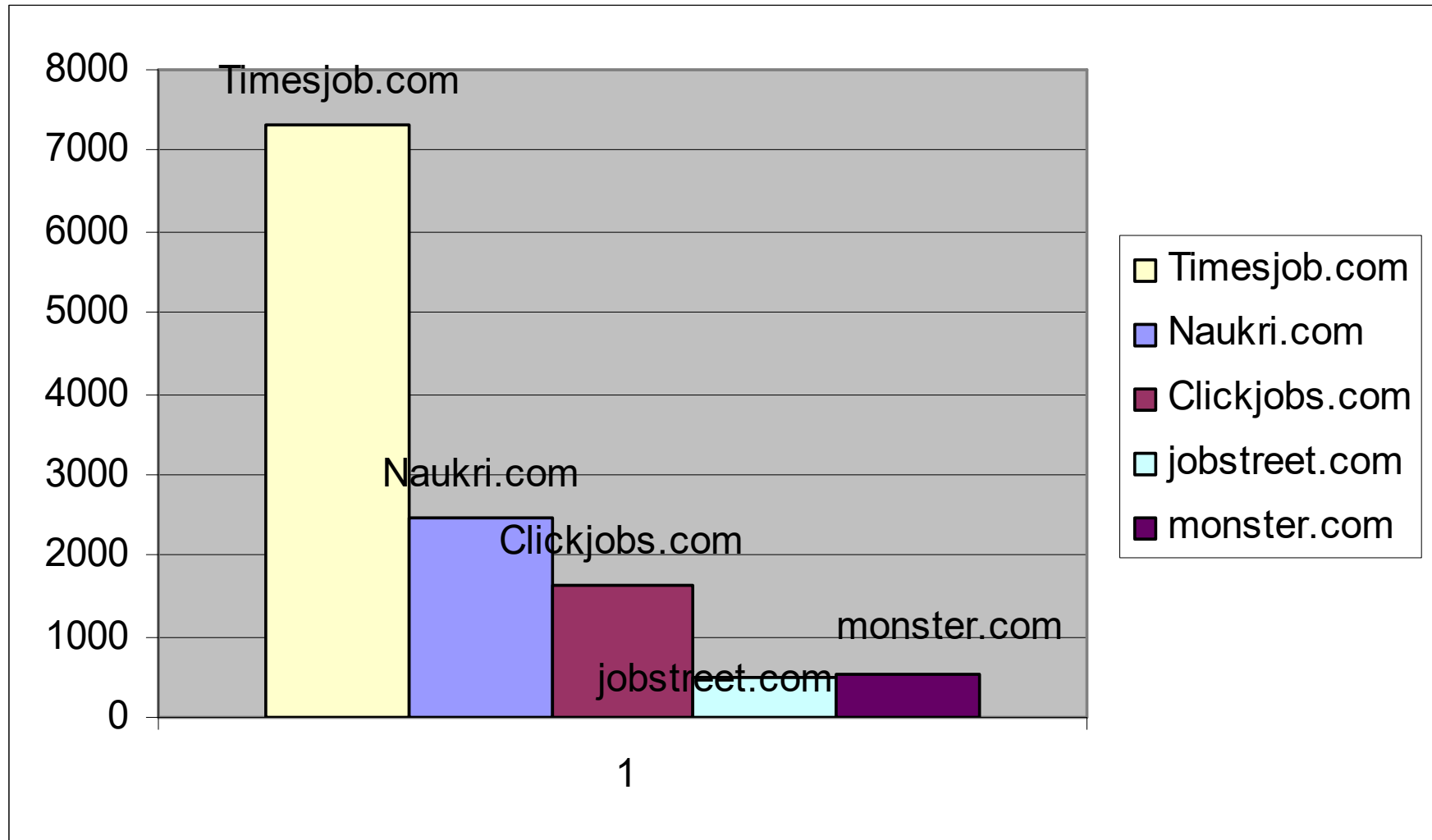


Jobwise Ranking

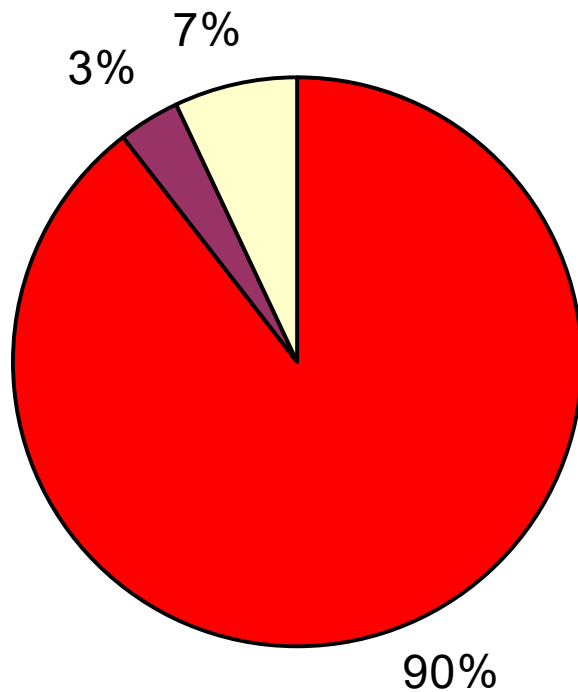
1. Information Technology	73532	25%
2. Sales/Business Development	36206	12%
3. Call Centres	20695	7%
4. Accountancy/Audit/Finance	18919	6%
5. Consulting Services	17006	6%
6. Engineering design/Project Management	12454	5%
7. Manufacturing	12058	5%
8. Construction	10569	4%
9. Marketing/Communication	9205	4%
10. Insurance	6680	3%
11. Automotive/Ancillaries	4871	2%
12. Bio tech/Pharmaceuticals/RD scientist	4395	2%
13. Material logistics/Logistic supply chain	4245	2%
14. Education/Training	4064	2%
15. E-Learning/Training	3866	2%
16. Architecture/Internal Design	1499	1%

Career in Engineering

Engineering Design/Project Management



Engg./Design-Subcategories



■ Production / Manufacturing / Maintenance

■ Safety / Health / Environment

■ Snr. Mgmt

90% Jobs in Production / Manufacturing / Maintenance



11	Electrical Engineering (Power)		*							
12	Electronics & Communication Engineering			*				*		
13	Electronics & Electrical Communication Engineering					*				
14	Electronics Engineering								*	*
15	Energy Engineering					*				
16	Engineering Physics	*	*				*			
17	Industrial Engineering					*				
18	Production and Industrial Engineering		*					*		
19	Instrumentation Engineering					*				
20	Manufacturing Science and Engineering					*				

21	Materials & Metallurgical Engineering				*					
22	Mechanical Engineering	*	*	*	*	*	*	*	*	*
23	Metallurgical & Materials Engineering					*	*	*		
24	Metallurgical Engineering & Materials Science	*								
25	Metallurgical Engineering								*	
26	Mineral Engineering									*
27	Mining Engineering					*			*	*
28	Mining Machinery Engineering									*
29	Naval Architecture & Ocean Engineering						*			
30	Ocean Engineering & Naval Architecture					*				
31	Petroleum Engineering									*
32	Pulp & Paper Engineering							*		
33	Textile Technology		*							

B.Pharm. 4 Years

34 Pharmaceuticals *

B. Des. 4 years

35 Design *

B. Arch. 5 years

36 Architecture * *

Index	Course B.Tech. 4 Years	IIT Bombay	IIT Delhi	IIT Guwahati	IIT Kanpur	IIT Kharagpur	IIT Madras	IIT Roorkee	IT-BHU Varanasi	ISM Dhanbad
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37 Applied Geology *

38 Chemistry * *

39 Exploration
Geophysics *

40 Industrial Chemistry *

41 Mathematics &
Scientific Computing *

42 Mathematics and
Computing *

43 Physics * *

Eligibility

Diploma in Engineering,

One must clear the 10th Std. board exam successfully with at least 50% marks.

Bachelor's Degree course i.e. B.E or B.BTech,

One must clear the 12th std. board exam with at least 50% marks(60% for IITs) in the science stream with Physics, Chemistry and Maths as compulsory subjects.

- Several states and IITs have an entrance exam for admission into engineering, colleges in other states grant admission based on marks scored in 12th Std. exam, particularly in the subjects of Physics, Chemistry and Maths.
- Diploma holders can also get direct admission into second year of engineering in the same stream in which they have completed their diploma.

Duration

- Diploma in Engineering 3 years
- B.E/B.Tech 4 years
- M.E/M.Tech 2 years.

Colleges, Institutions and Universities

- There are 36 universities
- 1195 colleges offering undergraduate and postgraduate engineering courses in various branches in India and so it is rightly referred as a Mecca for finding engineers suited to cutting edge technology jobs.
- Over 200,000 students take admission in Indian engineering institutes and colleges.
- All the engineering colleges / institutions in India are recognized and regulated by All India Council of Technical Education (AICTE).

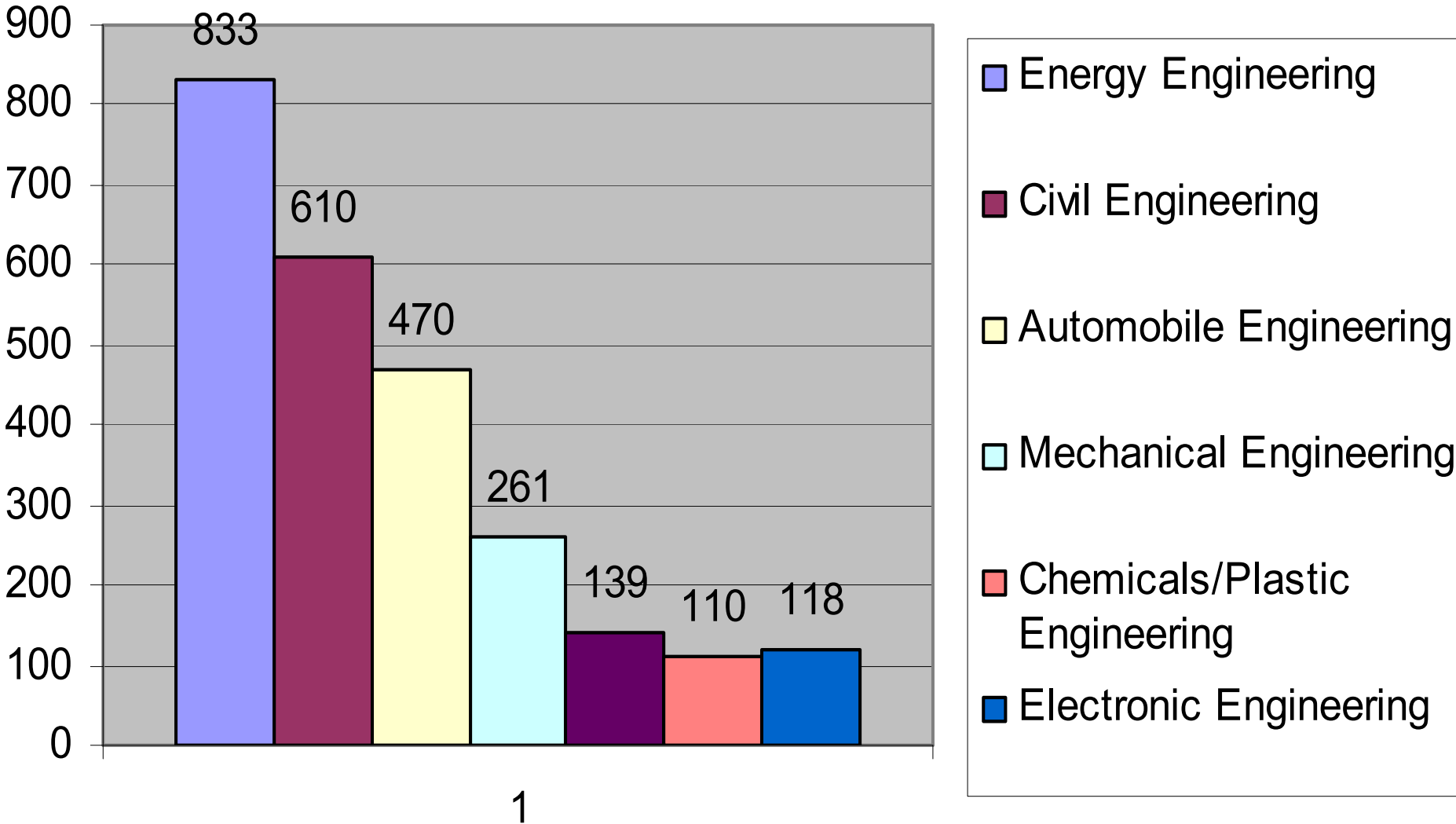
Remunerations

- Fresher's can get a starting salary of Rs. 9,000 to Rs. 13,000 per month excluding other allowances.
- In the government sector, the salary range of diploma holders is Rs. 5,000 to Rs. 9,000 per month.
- Lecturers in colleges get a starting salary of Rs 12,000-Rs 13,000 a month.
- With more experience or as an established independent consultant one could earn more.
- Senior engineers can earn anywhere in between Rs 30,000 and Rs 50,000 a month.
- Those at management levels can earn up to Rs 60,000 or even more.

Increments And Incentives

- In addition to salaries, engineers working with government departments are also entitled to a lot of incentives and perks.
- The increments are purely performance based as well as position based.

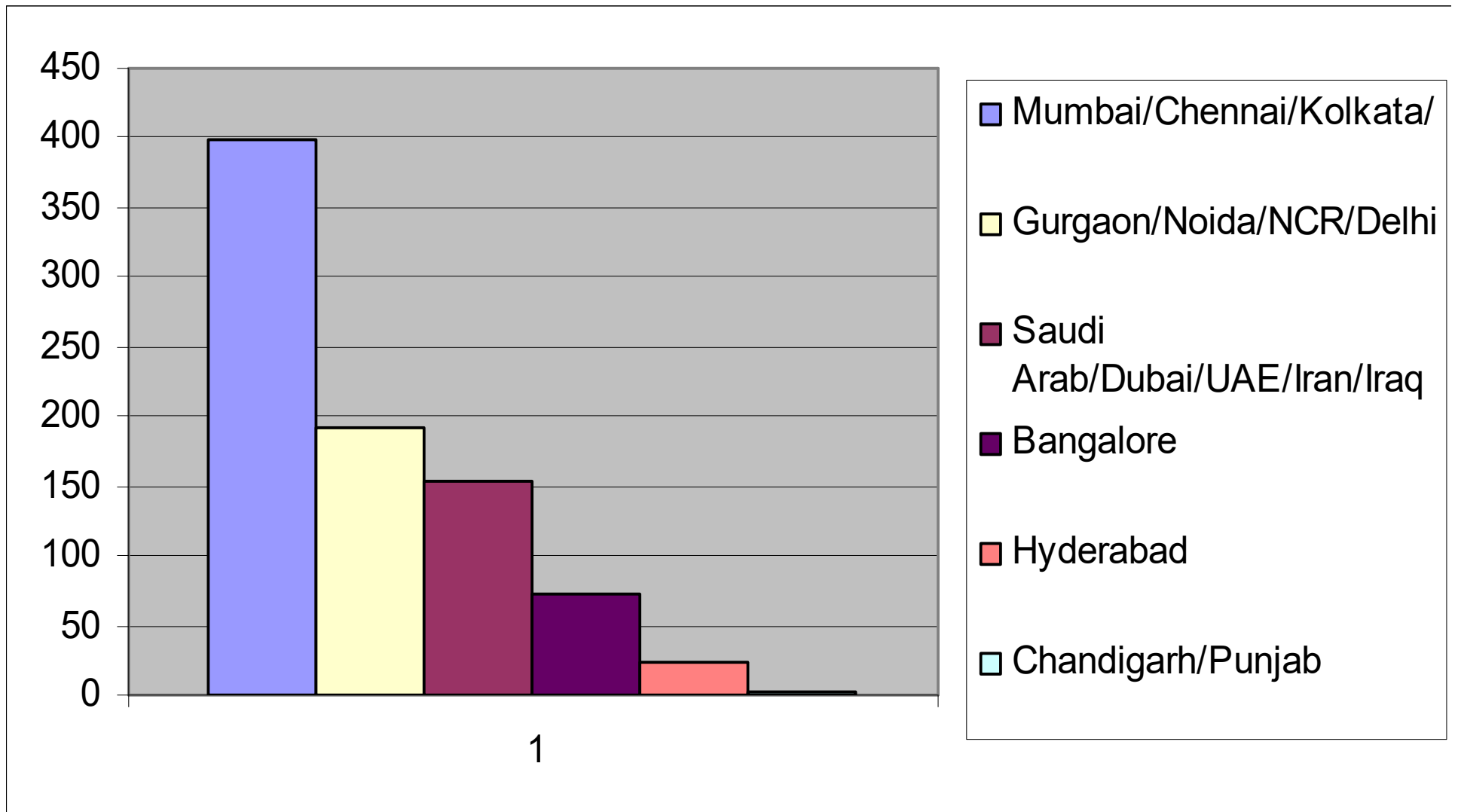
Engineering Jobs - Tradewise



Energy Engineering

- Petroleum
- Oil&Gas Projects
- Infrastructure
- Power
- Non-conventional energy

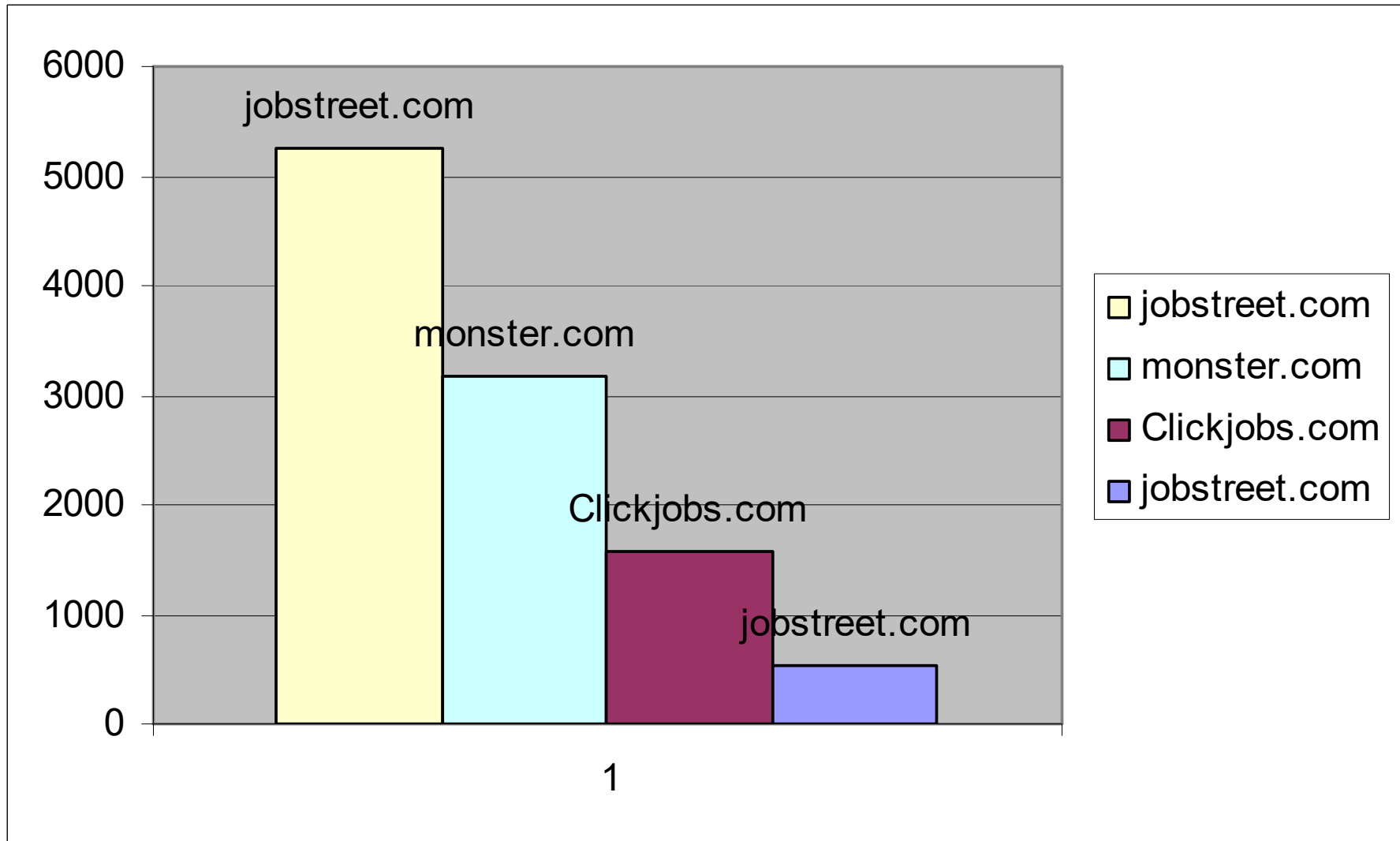
Energy Engineering –Location wise



Qualifications

- BE / B.Tech.
- Entrance Exams:->
 1. AIEEE -- All India Engineering Entrance Exams.
 2. IIT-JEE – Joint Entrance Exams
 3. CET – Common Entrance Test (State wise)

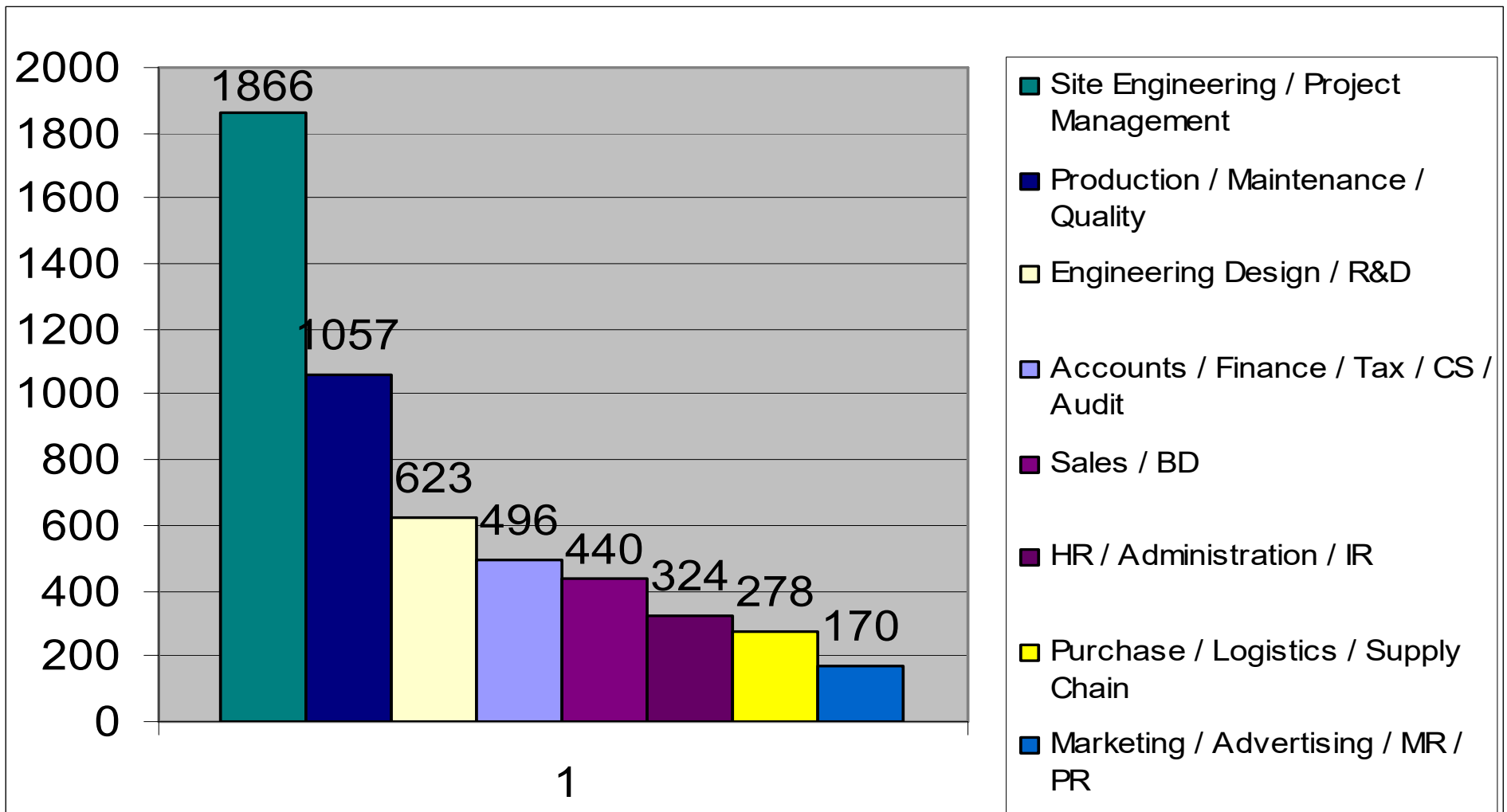
Construction



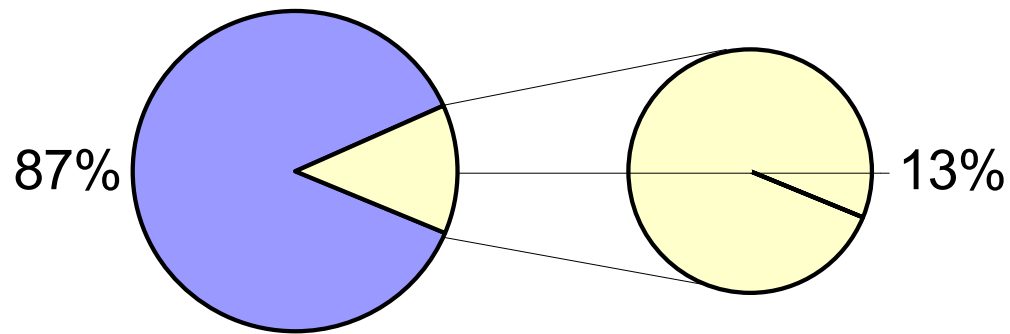
Civil and Structural Engineering

- Civil Engineering is the art and science of designing the infrastructure of a modern Civilized society.
- These engineers are concerned with the construction of roads, dams, bridges, power plants, irrigation projects, transport system, sewage disposal plants, oilrigs etc.
- These engineers are entrusted with the task of utilizing the natural resources judiciously and improve the life styles of the people.

Construction-Subcategories



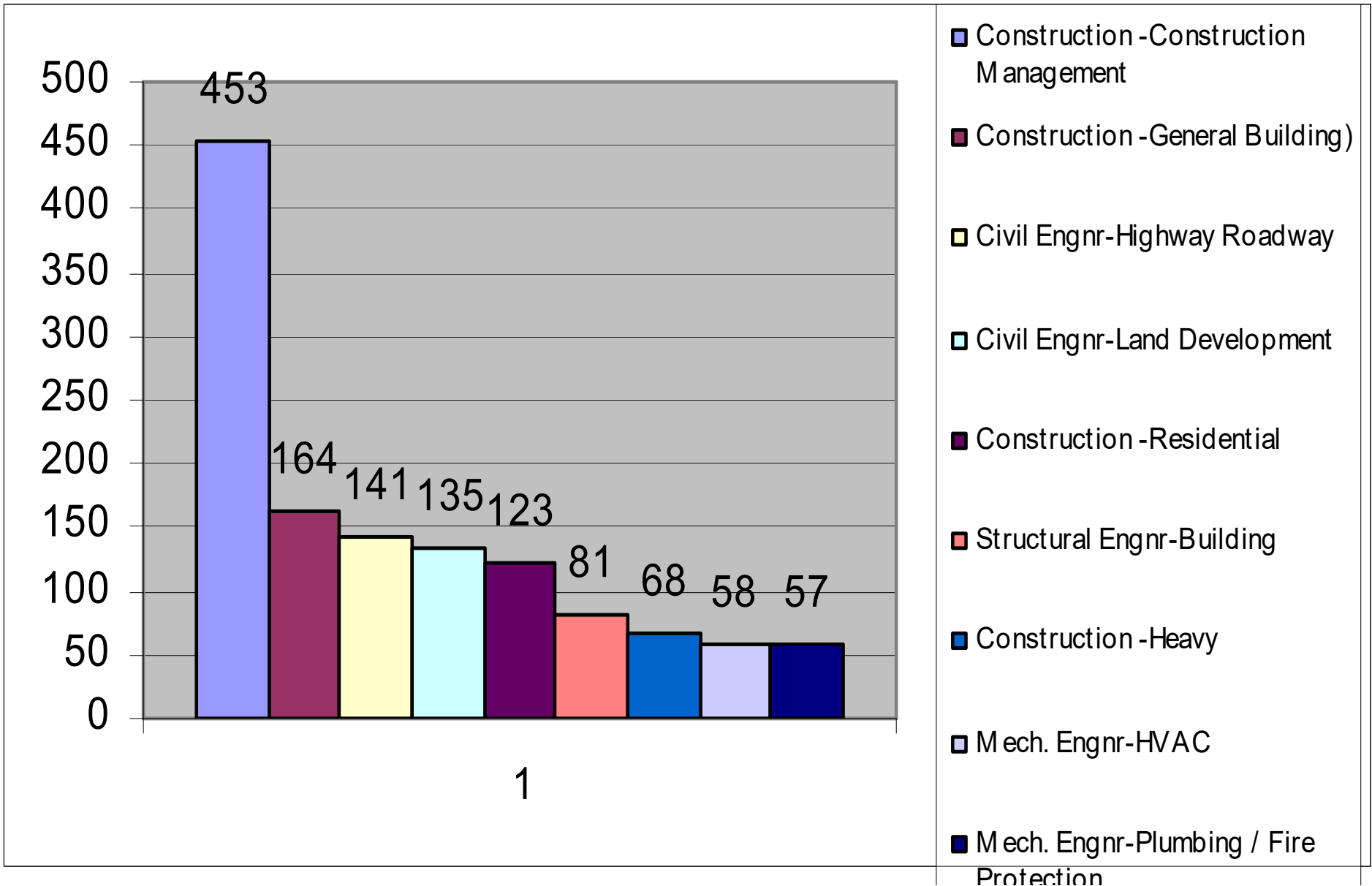
Site Engineering /Project Management



■ Site Engineering

■ Project Mgmt

Site Engineering-Refined



Jobs in Construction Management are Maximum



Qualifications

- B.E. Civil Engineering + MBA
- MBA – Project Management
- Diploma in Civil Engineering + Experience

Entrance Exams:->

1. AIEEE -- All India Engineering Entrance Exams.
2. IIT-JEE – Joint Entrance Exams
3. CET – Common Entrance Test (State wise)
4. JET – Joint Entrance Exams (State wise)

Automobile Engineering

- This course caters to train the students to design, develop, manufacture, and repair of automobiles.
- The demand for automobile engineering is growing with the expansion of automobile industries and increasing demand for vehicle.
- With increasing concern for pollution and fuel efficiency, these engineers also set standard of qualities, for example making the vehicle Euro efficient.

Specialization

The course curriculum is designed to teach students all aspects of

- Moving Vehicles,
- Their Construction,
- Repair And Maintenance.

Course Details

Course - BE / BTech. - Automobile Engineering

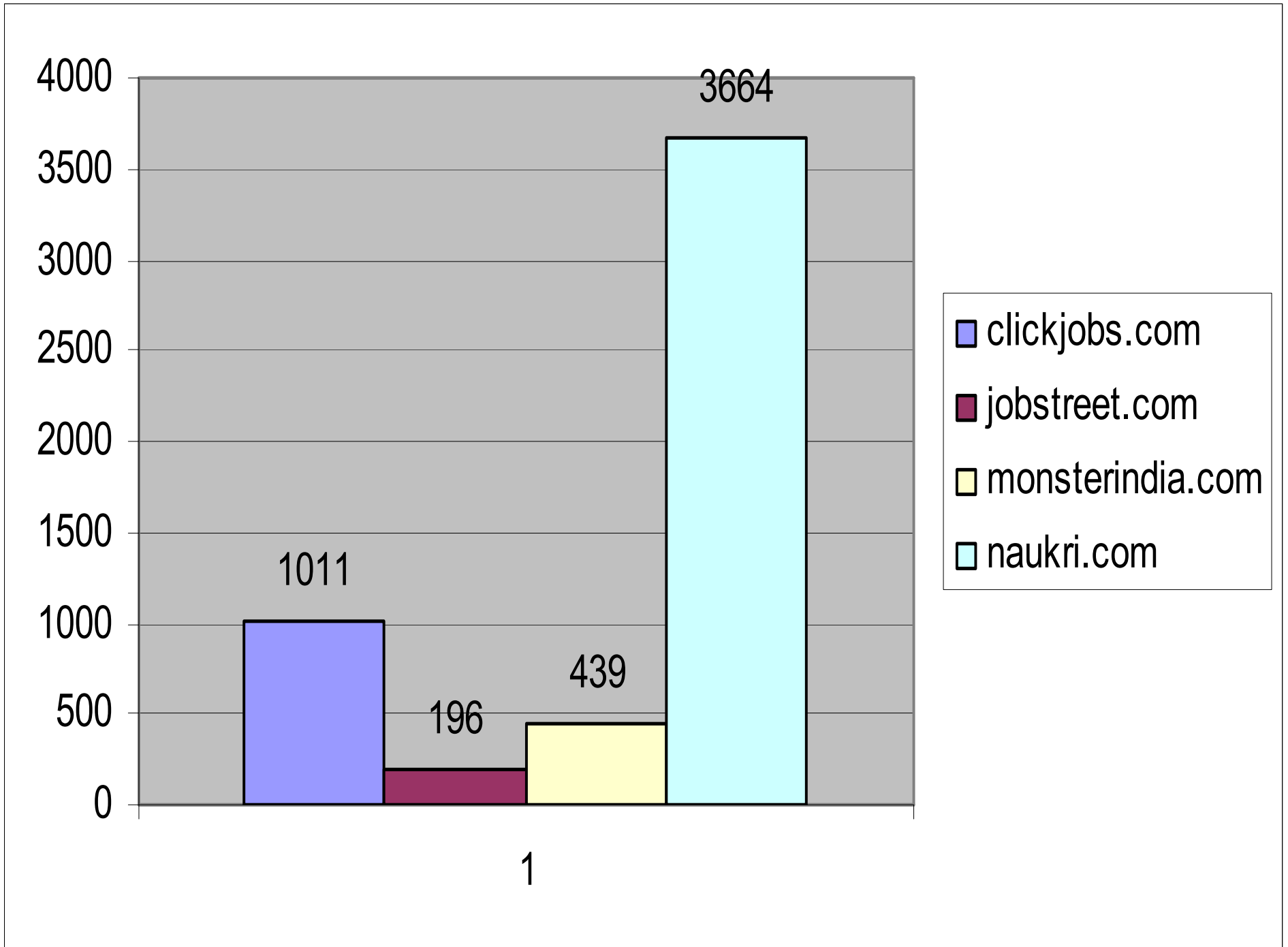
Eligibility - Class XII with Physics, Chemistry and Mathematics or equivalent .

Course Duration - 4 years

Employment Opportunity

Automobile Engineering:

- Automobile Manufacturing Industry,
- Maintenance And Service Station,
- Private Transport Company And
- Defense Services.
- Self-employment
- Garages Or Maintenance Workshop.



Mechanical Engineering

- Of all the disciplines of engineering, this branch of study is the broadest.
- It deals with the designing of tools and mechanical devices for the industry.

Each And Every Industry, Whether It May Be

- Thermal Power Station,
 - Air Conditioning Industry,
 - Gas Turbines,
 - Jet Engines Or Refrigeration Industry,
- needs the services of mechanical engineers for
- Designing,
 - Developing,
 - Installing,
 - Operating
 - Maintaining the varied Kind Of Machines.

Eligibility

Diploma in Engineering,

One must clear the 10th Std. board exam successfully with at least 50% marks.

Bachelor's Degree course i.e. B.E or B.BTech,

One must clear the 12th std. board exam with at least 50% marks(60% for IITs) in the science stream with Physics, Chemistry and Maths as compulsory subjects.

Duration

- Diploma in Engineering 3 years
- B.E/B.Tech 4 years
- M.E/M.Tech 2 years.

Fees : In private colleges fees range from approx Rs.1 lakh to Rs. 2 lakh annually for a bachelors degree. In IIT's it varies between Rs. 15,000/- to Rs. 20,000/- per year.

Selection

Selection to the graduate courses
(BE / B.Tech) is based on merit i.e.

1. The marks secured in the final exams of 10+2
1. Through entrance exams.

Entrance to the IIT's is through JEE'

(Joint Entrance Exam)

And for other major institutions is through

AIEEE

(All India Engineering/Pharmacy/Architecture
Entrance Examination)

OR

Other State Level And National Level Exams.

Job Prospects & Career Options

In the government sector,

Freshers could join as junior engineers and go up the ladder as

- Assistant Engineers,
- Assistant Executive Engineers,
- Executive Engineers,
- Superintendent Engineers and so on.

Remuneration

- Freshers - Rs 5,000 to Rs 7,000 per month, with allowances.
- MBA's- Rs 10,000 to Rs 40,000 per month.

In the government sector,

- Junior Engineers. - Rs 1,640-Rs 2,900
- Assistant Engineers - Rs 2,000-Rs 3,500.
- Assistant Executive Engineers - Rs 2,200-Rs 4,000.
- Executive Engineers - Rs 3,000-Rs 4,500,
- Superintendent Engineers - Rs 4,000-Rs 6,000.

In the US, according to a 2001 salary survey by the national association of colleges and employers,

- Bachelor's degree candidates in mechanical engineering received starting offers averaging **\$48,426** a year,
- Master's degree candidates had offers averaging **\$55,994** and
- Ph.D. Candidates were initially offered **\$72,096**.