CAREER GUIDE

Electrical and Electronics Engineering

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"*Electrical science has revealed to us the true nature of light, has provided us with innumerable appliances and instruments of precision, and has thereby vastly added to the exactness of our knowledge.*"

Nikola Tesla

Career Paths

- Aerospace Engineers

Aerospace engineers design primarily aircraft, spacecraft, satellites, and missiles. In addition, they test prototypes to make sure that they function according to design.

- Architectural and Engineering Managers

Architectural and engineering managers plan, direct, and coordinate activities in architectural and engineering companies.

- Biomedical Engineers

Biomedical engineers combine engineering principles with medical and biological sciences to design and create equipment, devices, computer systems, and software used in healthcare.

- Computer Hardware Engineers

Computer hardware engineers research, design, develop, and test computer systems and components such as processors, circuit boards, memory devices, networks, and routers. These engineers discover new directions in computer hardware, which generate rapid advances in computer technology.

- Electricians

Electricians install, maintain, and repair electrical power, communications, lighting, and control systems in homes, businesses, and factories.

- Electrical and Electronics Engineering Technicians

Electrical and electronics engineering technicians help engineers design and develop computers, communications equipment, medical monitoring devices, navigational equipment, and other electrical and electronic equipment. They often work in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment. They are also involved in the manufacture and deployment of equipment for automation.

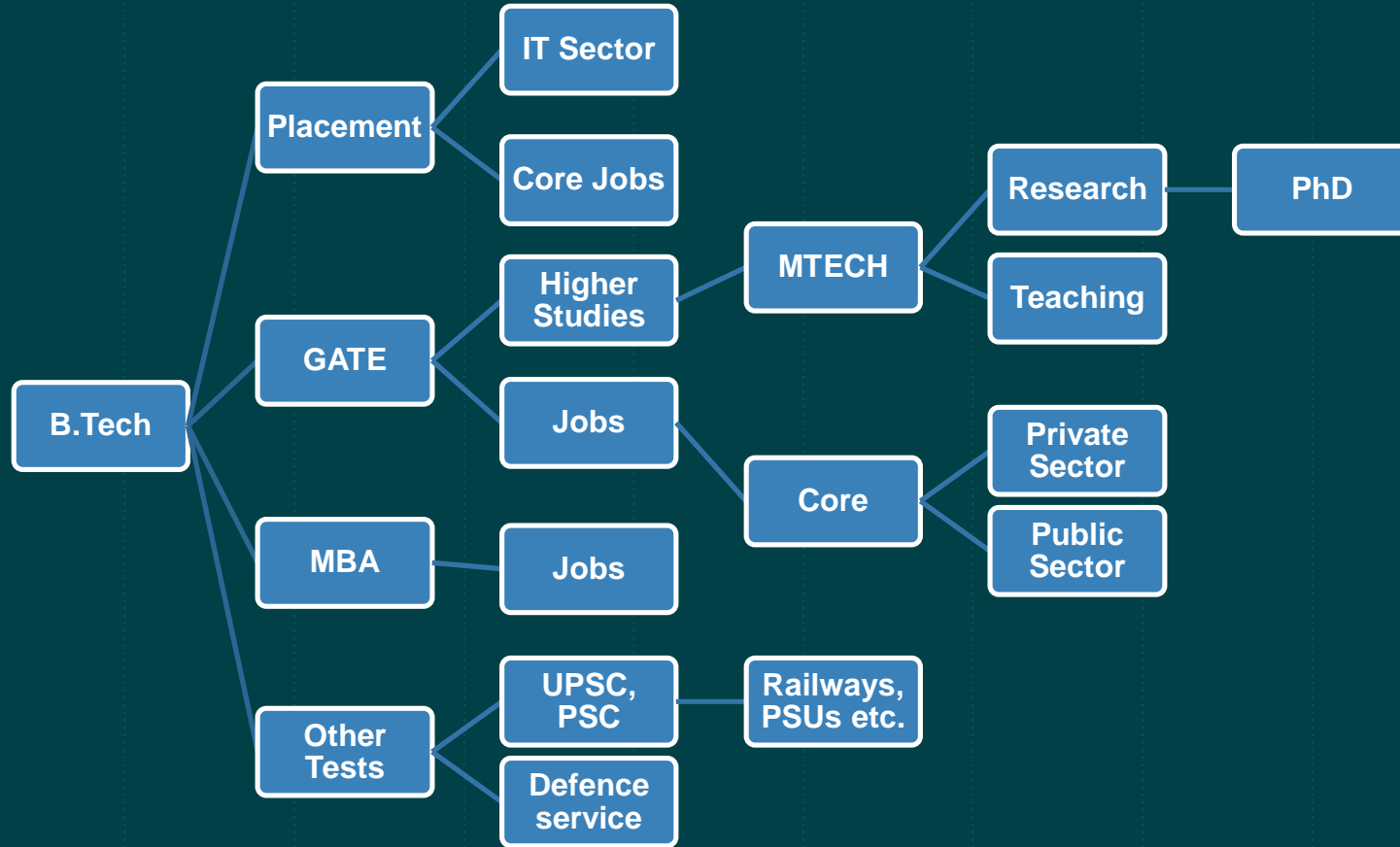- Electrical and Electronics Installers and Repairers

Electrical and electronics installers and repairers install or repair a variety of electrical equipment in telecommunications, transportation, utilities, and other industries.

What after B.Tech?

Top Private Sector Companies:

- Alstom
- ABB
- Larsen & Toubro (L&T)
- Crompton Greaves Ltd.
- Bajaj Electricals Ltd.
- Siemens India
- Tata Steel

- HBL Power Systems Ltd.
- Schweitzer Engineering
- Spectrum Power Generation Ltd.
- HBL Power Systems Ltd.
- Tata Motors
- Jindal Steel & Power Ltd.

Top Public Sector Undertakings:

- National Thermal Power Corporation Ltd.
- Hindustan Petroleum Corporation Ltd.
- National Aluminium Company Ltd.
- Gas Authority of India Ltd.
- Indian Oil Corporation Ltd.
- Heavy Engineering Corporation Ltd.
- National Fertilizers Ltd.
- Container Corporation of India Ltd.
- National Hydroelectric Power Corporation

Higher Study After Electrical Engineering

If you are not interested in doing job just after graduation, then you can opt for some higher studies like MBA or M.Tech. in specific field. For admission in MBA, aspirant has to qualify CAT or similar exam.

On the other hand if you would like to opt for M.Tech., then the candidate has to score well in GATE. You can also go for job and study simultaneously by opting distance learning.

After electrical engineering, students can try some job oriented courses or can have short term training to get specialized in the field of interest.

Jobs Abroad

There are a large number of employment opportunities for electrical engineers in overseas. This is because of the presence of various manufacturing firms outside India. Electrical Engineers who are specialized in Control & Power Systems can find good opportunities in Japan, Germany, US & Korea. Electrical Design Engineers also can try their luck in multidisciplinary engineering consultancies.

Alumni (some highlights)

Bosch

Najid Ali M

Government of Kerala

Jayarajan A V
Sreelekha V
Dr. Jaison Mathew

IISC Bangalore

Arun Rahul S

General Electric (GE)

Mahesh Raveendranatha Panicker

ISRO

Geethu Sankar

Hareesh R

KSEB

AKHIL C
ANISH A
VISHNU PRASAD

TCS

VIVEK S

South Indian Bank

ARPITHA TOM MATTAKOTTIL

Sharjah Electricity and Water Authority

AJITH.S.L.

Union Bank of India

NITHIN K

Serco Middle East - Dubai Metro

Binu Philip Mathew

Career (links)

Ministry of Human Resource Development, Govt of India	mhrd.gov.in
Department of Higher Education, Govt of Kerala	www.highereducation.kerala.gov.in
Directorate of Technical Education, Govt of Kerala	www.dtekerala.gov.in
Confederation of Indian Industry, Kerala	www.cii.in
Department of Industries, Govt of Kerala	www.keralaindustry.org
Technopark, Trivandrum	www.technopark.org
Infopark, Kochi	www.infopark.in
Kerala Startup Mission	startupmission.kerala.gov.in
Startup Village	www.sv.co.in
10,000 Startups	10000startups.com
Indian Entrepreneur	www.indianentrepreneur.com
Science & Technology, Govt of India	https://india.gov.in/topics/science-technology/scientific-education
Centre for Engineering Research and Development, Govt of Kerala	www.dtekerala.gov.in
Kerala State Council for Science, Technology & Environment, Govt of Kerala	www.kscste.kerala.gov.in

Institution (Highlight)

- One of the top five engineering colleges in Kerala.

- College accredited for 3 years by NBA (with effect from Jan 2016).

- Stood 3rd in the State for 1st year B.Tech results of APJKTU .

- Well equipped sports facilities including football court, basket ball court, other indoor games and a multi gym.

- Active cells of IEEE, ISTE and SAE in the college.

- Digitalised and fully equipped central library

FEW TIPS...

- Placements are like the passport to employment after B.Tech. So be part of placement drives

- Students aspiring GATE should concentrate and work hard for it.

- Saying yes to higher studies is not at all a bad decision

- Our country even need civil servants and government employees from you guys

GOOD LUCK

We power the world!

Thanks!

For feedbacks we are available at
http://www.rit.ac.in/cgpcn/feedback.php