

Buildings, Architecture, Architect, Character, Profession Vs Business

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Buildings- Role and Importance

- **Buildings are structures used for human activities**
- **All human activities are performed in buildings-living, working, care of body & spirits**
- **Buildings are consumers of energy (50%)**
- **Buildings are consumers of resources**
- **Buildings are generators of waste**
- **Buildings have large carbon footprints**
- **Buildings are responsible for global warming**
- **Buildings are determinant of global sustainability**
- **Buildings are integral part of human journey since inception**
- **Buildings shall continue to be part of human growth and development**
- **Buildings are responsible for creating manmade environment- vital for human growth**
- **Buildings are living organism**

Buildings- Role and Importance

- **Buildings vital for human living**
- **Buildings provide optimum/worst living conditions**
- **Buildings make people healthy/sick**
- **Buildings critical because majority of human life spent in buildings**
- **A well designed school makes learning easy and more meaningful**
- **A well designed house makes people happy and healthy**
- **A well designed hospital can cure patients quickly**
- **A well designed shopping mall can increase sale and profits**
- **Large volume of buildings yet to be constructed**
- **India needs to construct annually 700-900 msqmts of built space --to meet increased needs of ever rising population for housing, education, healthcare, industry, institutions, trade and commerce, entertainment , leisure etc.**

Need for State of Art Buildings

- The buildings in which we
- live,
- work, and
- play
- protect us from nature's extremes
- yet they also affect our health and environment in countless ways.
- --All building activities including ;
- designing, construction, use, re-furbishment , demolition and re-construction--- directly/indirectly impact Cost , environment and energy
- -Considerable reduction of Cost /energy / green house gas emission by built environment possible-- by changing the way buildings are planned, designed, constructed and operated

What is Architecture

- **Art and Science of designing and creating buildings**
- **Profession of designing buildings, open spaces , communities and other physical structures**
- **Architecture is both process and product of planning, designing, constructing buildings and other physical structures**
- **General term used to describe:**
 - Buildings and other physical structures**
 - style of design and method of construction of buildings**
 - knowledge of art , science and humanities**
 - design activities of an Architect spans from micro to macro level**

Who is an Architect

Derived from --Greek Word-Arkhi-tecton (Head- Builder)

- Architect- is a person who plans, designs and reviews the construction of Buildings
- A person who is Registered, licensed or otherwise authorized to use the title of Architect and practice architecture in a province/area
- Who possesses
 - skill in art of designing buildings to meet clients needs
 - Knowledge about aesthetics as well as practical considerations
 - --adequate skill and knowledge to originate, design and plan to arrange and supervise construction of buildings
- Role of Architect extends from field of technical knowledge to business management



- **Role of an Architect**

Role of Architect

- **Role of Architect includes:**

- designing buildings
- helping client to define/ freeze scope of work
- selection of site
- preparing feasibility reports
- creation of new design ideas
- carrying out building audit
- identifying/engaging consultants; specialists, contractors,
- coordinating design team– structure, mechanical, electrical, air-conditioning, services
- answerability to client for– Design, Construction, Materials, Building
- close and fiduciary relationship with client
- based on Trust, faith and goodwill

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Role of Architect

- **Role of Architect not limited to creation of new ideas/designs but also include**
 - Preparation of contract documents**
 - Calling of tenders**
 - **Selection of contractors**
 - award of work to contractors/ specialists**
 - inspection of work**
 - **Selection of materials**
 - --**finding solution to problems encountered during construction/execution of work**
 - --**maintaining quality of work**
 - --**rejecting defective work**
 - --**ensuring construction of building as per approved drawings**
 - --**Execution of work as per contract**
 - --**approving payments of work as per contract**
 - --**resolving disputes between owner and the contractor**
 - --**ensuring completion of work**
 - --**obtaining completion and possession certificates for buildings**



- **Profession &
Character of
Architecture**

Profession of Architecture

- Profession calls for having persons/men of;
- **INTEGRITY**
- **BUSINESS CAPACITY**
- **ARTISTIC ABILITY**
- **Architect --entrusted with financial undertaking --in which his honesty of purpose should be above suspicion**
- **As Professional advisor to his client---his advice must be absolutely disinterested/unbiased**
- **-while exercising judicial functions --between client and contractor- -must act impartially**
- **has moral responsibility to**
- **- Profession,**
- **--society**
- **-environment**
- **--Associates**
- **-Subordinates**
- **- professional institutions**

Character of Profession

- **Every profession involves :**
 - i. Mastery of specific activity**
 - ii. Possessing adequate knowledge and understanding**
 - iii. Prolonged period of study/practice**
 - iv. Membership of a professional body/association**
 - v. Prescribed code of conduct**
 - vi. Social responsibility**
- **All professionals including Architect, Engineer, Doctor, Lawyer –required to :**
 - provide selfless/disinterested services best to their capability to client-professionals have to---**
 - promote welfare of community**
 - has social responsibility**
 - preserve environment**
 - Minimizing depletion of resources**
 - --promoting sustainable development**
 - following local legal framework/ building bye-laws**

Profession Vs Occupation

- **Factors differentiating Profession and Other Occupations:**
- i. **Qualification-** specific knowledge
- ii **Membership of a professional institute-** for improved and latest professional knowledge and growth
- iii **Standards of Ethics-** governing the conduct, duties and obligations
- iv **Code of Conduct**
- v **Attitude towards profit-** not primary but only incidental
- vi **Social Responsibility-** commitment to society and its improvement
- **In case of Business and Trade—**
- i **Qualification – not mandatory –** for starting/running
- ii **Profit--** Prime motive is to earn **Profit**
- iii **Membership** of a professional body --not essential
- iv **Relationship--**No direct contact between manufacturer and user/client- no flexibility to cater to individual requirement of user
- v. **Ethics and code of conduct --**usually defined by government guidelines
- vi **Accountability --**Low level of -as compared to Architectural services
- vii. **Social responsibility-** not mandatory, no professional advice rendered