Overview

Engineering projects are technical endeavors that are performed by group of trade professional that join their hands together. These participants are bounded by legal contracts to perform their roles and responsibilities. Also there are specific laws, codes and regulations controlling the industries and their operations. In order to perform efficiently, engineers should be aware of the legal implications of all these contractual aspects, laws, and their inferences. The need for understanding these laws and regulations, being able to efficiently interpret laws, and implementation of engineering projects require special skill sets for the engineers that are not taught in regular engineering programs.

Moreover, with the increasing globalization of the economies, new international and regional ventures, such as; China Pakistan Economic Corridor (CPEC), One Belt One Road (OBOR), Asia Infrastructure Development Bank (AIDB) etc. and increasing opportunities for foreign direct investments (FDI), the technical understanding of legal aspects, codes, and regulations have become much more essential and challenging for engineers in order to be competitive in the market.

With the aim of enhancing the capacity of engineers regarding legal aspects of engineering application, it is proposed that NED University of Engineering & Technology introduce a specialized degree program titled Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law.

In this regards, this document proposes details of Masters of Engineering Civil (M.Engg.) Specialization in Construction Engineering Law. The proposed program has been tailored to give construction professionals in building, construction, engineering, public owner organizations, and associated industries the legal knowledge to take the next step in their careers.

OBJECTIVES

Graduates of this program will be able to perform effectively and accurately in areas of Construction Engineering law. Specifically, the graduates of this program will;

i. Understand knowledge of relevant legal aspects in Construction Engineering.

ii. Analyze practical and theoretical problems in order to provide structured solutions to legal issues in Construction Engineering.

iii. Communicate, write, and document clearly regarding the laws and its applications to the real construction project issues.

ADMISSIONS OPEN
STARTING FALL 2020

NED University of Engineering & Technology
Market Scope

Signing a contract between the project participants is the mandatory element of all engineering projects. Roles, responsibilities, expectations, risks, and rewards related to work are essential parts of these contracts that are written in legal language. Thus, it requires understanding of the legal language in order to make correct inferences from the contract. In addition to the contracts between the participants, certain governmental, environmental, and international laws bound these projects which require complete understanding and careful considerations. This program will serve these purposes by educating the graduates about the contractual norms and obligations of their field. Moreover, as also mentioned in the program introduction, with the upsurge of contemporary international and regional ventures as part of economic globalization, the technical understanding of legal aspects, codes, and regulations have become much more essential and challenging for engineers in order to be competitive in the market. Ventures like; China Pakistan Economic Corridor (CPEC), One Belt One Road (OBOR), Asia Infrastructure Development Bank (AIDB) etc. and increasing opportunities for foreign direct investments (FDI) will require nation’s Civil Engineers to be well-equipped with the advanced legal and contractual knowledge of construction projects. Thus, the program has an enriching market scope.

Employability

Contracts are mandatory parts of all projects. Every organization (Client, Consultant, Contractors and their subs) involved in an engineering project has a binding of going into the contractual agreement. Thus the employability scope of these graduates is vast. In particular, all the public infrastructure organizations, banks, construction and companies, architectural and design consultants etc. will provide increased employability options to the graduate of this program. Moreover, international development and funding agencies, international companies that seek to invest in Pakistan will also have greater scope of employability for the engineers that have the knowledge of both local and international laws and regulations. The current rise in entrepreneurial willingness will also provide new opportunities such as; claims consultancy, contract development consultancy, and dispute resolution consultancy etc. Thus, the program will result in greater employability options for the graduates.

Social Impact

Engineering in general and construction industry in particular is often marked by adverse relationships between the project participants. Disputes between the project participants can often be a reason behind these adverse relations. Disputes generally arise from the poor understanding of the roles and responsibilities of project participants as given in contracts. This program is aimed at improving the understanding of contracts, laws and regulations binding engineering industries. This Program can be fruitful in improving the relationships between the project participants. It has a potential to serve the social purpose to a significant extent. The contemporary challenge of internationalization will also require engineers to be equipped with international norms and regulations in order to be at a better relationship and delivering successful international projects. Rise of entrepreneurial thinking, adherence to environmental laws (for protecting the nation from climate change impacts), and resilient communities planning will also require engineers in particular civil/construction/urban engineers to be better equipped with legal aspects. Therefore, the program will result in evident social impact.

Program Structure

Master of Engineering (Civil) Specialization in “Construction Engineering Law”

Compulsory Courses

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hrs.</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hrs.</th>
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<tbody>
<tr>
<td>CE-5011</td>
<td>Fundamentals of law and Legal Structures</td>
<td>3</td>
<td>CE-5013</td>
<td>Construction Contracts and Procurement Law</td>
<td>3</td>
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<tr>
<td>CE-5012</td>
<td>Intellectual property (IP) protection and Professional Ethics</td>
<td>3</td>
<td>CE-5014</td>
<td>Construction Claims Preparation and Analysis</td>
<td>3</td>
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<tr>
<td>CE-5015</td>
<td></td>
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<td>CE-5015</td>
<td>Construction Disputes</td>
<td>3</td>
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Elective Courses

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<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hrs.</th>
<th>Course No.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CE-5016</td>
<td>Fundamentals of Environmental Laws of Construction Industry</td>
<td>3</td>
<td>CE-5020</td>
<td>Construction Law and Risk Management</td>
<td>3</td>
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<tr>
<td>CE-5017</td>
<td>Construction Specifications writing and Documentation</td>
<td>3</td>
<td>CE-5021</td>
<td>International Perspective of Construction Law</td>
<td>3</td>
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<tr>
<td>CE-5018</td>
<td>Construction Law Case Studies</td>
<td>3</td>
<td>CE-5022</td>
<td>Forensic Engineering</td>
<td>3</td>
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<tr>
<td>CE-5019</td>
<td>Building Codes and Regulations</td>
<td>3</td>
<td>CE-5002</td>
<td>Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Who can apply?

- Bachelor Degree in Civil / Urban Engineering.
- First Division (for Annual System) or at least with CGPA 2.4 / 4.0 (for Semester System).
- All Professional Bachelor’s Degree must be accredited by respective Accreditation bodies e.g. Pakistan Engineering Council (PEC).

For Further Information Contact

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For Details on admission process please visit: https://www.neduet.edu.pk/postgraduate_admissions