



**Gujarat Technological
University**

L N MATRIX

Prof. Bhasker Vijaykumar Bhatt
Assistant Professor in Civil Engg.
Sarvajnik College of Engg. & Tech.,
Surat

NEED

Once product components are identified, evaluated and checked for novelty, Next Important task is to identify learning requirements well in advance

- Within syllabus contents
- Out of syllabus requirements

Learnings Need Matrix helps.

LN Matrix (Paper size A2 – 18” x 24”)

- LN – Learning Needs Matrix will help students to identify the learning requirements at an early stage along with prioritization of specific learning along with defined time duration/ time allocation for each.
- Identification will be focused with listing out Syllabus based and out of syllabus learning & skill development

Tools/ Methods/ Theories/ Application Process involved

During BE IV / Stage III

*Applicable standards and design specifications/
Principles & Experiments*

During BE III / Stage II

During BE II / Stage I

**Purpose / Product
concept**

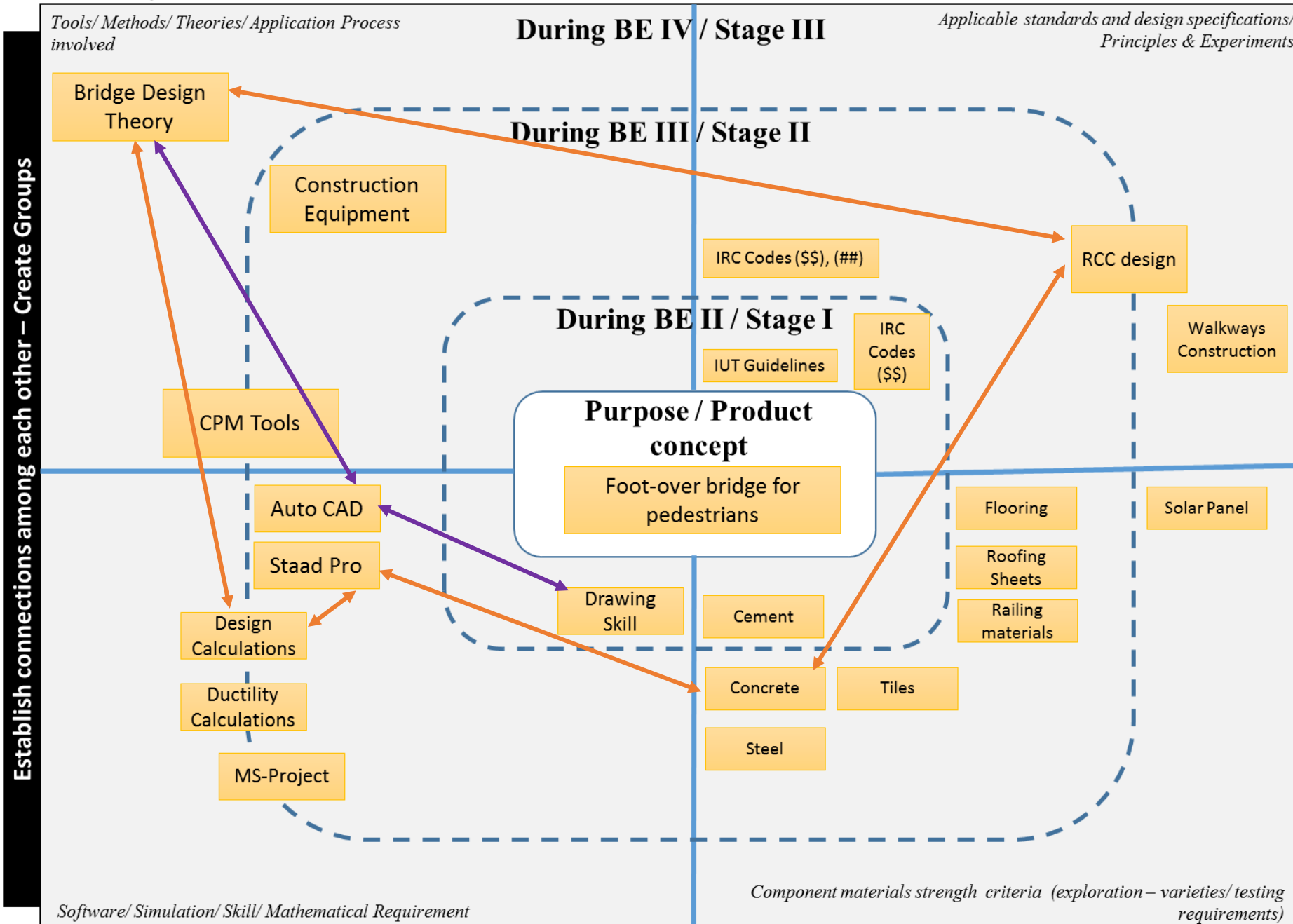
Software/ Simulation/ Skill/ Mathematical Requirement

Component materials strength criteria (exploration – varieties/ testing requirements)

Establish connections among each other – Create Groups

LN MATRIX

- Students are to identify requirements in each four dimensions
- Priority learning shall be taken up in Sem. IV of BE II (At least one from any of the four quadrants by each student)
- By the end of BE III Students will be developing working model. By that time, most of all quadrants shall be covered under learning.
- Supportive aspects (with least priority) shall be placed in BE IV.
- Discretion lies with faculty guide and student group to identify prioritization and set learning time line targets...



Coursera - MOOCs

← → ↻ <https://www.coursera.org> 🔑 ☆ 🌐 ☰

📱 Apps 📧 Gmail 🏠 ICICI Direct 📺 HB Login 🎓 SOLE | Homepa... 🏠 ICICI Bank 🌐 Sign in to your ... 📺 WBI Learning C... 📄 openfuel.org 🌐 Axis 📄 GTU Innovation ... »


coursera Courses Specializations Institutions About ▾ Log In Sign Up

Take the world's best courses, online, for free.


What would you like to learn about? 🔍

Join 11,687,171 Courserians
Learn from 967 courses, from our 116 partners.
[How it works »](#)


Princeton University »



Developing Innovative Ideas for New Companies: The First Step in UMD • Feb 23rd



Beginning Game Programming with C# CU System • Feb 23rd



Understanding the Brain: The Neurobiology of Everyday Life Chicago • Feb 23rd

Show desktop

<https://www.coursera.org/courses?languages=en&categories=ee>