



Department of Civil Engineering

Industry Institute Interaction Cell



CONCRETE DESIGN PRACTICES



STRUCTURAL ENGINEERING PRACTICES



FORMWORK DESIGN



STUDENT REPORT

2020-21

About the Institute



Library

About the Institute

Universal College of Engineering (UCoE) has a peaceful environment for students to focus on education. The Internal Quality Assurance Cell (IQAC) of the Institute takes great initiative and efforts to conduct various activities in the Institute as a step to improve and maintain the quality of the Institute. Times of India Survey Ranked No. 1 emerging institute in INDIA for 6 Consecutive Years.

Vision

To be a forerunner in rendering quality technical education with a multifaceted, research-oriented approach, aspiring for the excellence of students in the professional and social realm which spans across wide and diverse horizons of opportunities.

Mission

- To boost the holistic development of the students with an emphasis on technical education including towards socially relevant research.
- To promote a learning ambiance which further enhances innovation, creativity, team spirit, rational and scientific temperament thus making them successful world citizens of present and future
- To yield efficient professional with the highest level of ethics and leadership skills, well equipped to face the industry demands.



Campus Director, Dr. J.B. Patil at Open Classroom



About the Department of Civil Engineering

About the Department of Civil Engineering

The four-year fulltime B.E degree in Civil Engineering at UCoE is affiliated to the University of Mumbai. We aim to provide competent Civil Engineers with a proper amalgamation of Engineering theory with practical visits to construction sites, highway projects, airports, and dams. Civil Engineering students are broadly trained and able to deal with the latest technologies.



Department Vision

To excel in every area of Civil Engineering, inculcate research-oriented study to explore hidden talent. Providing Opportunity to display creativity, out of the box thinking & innovativeness, aimed at providing cutting edge technology for sustainable development.

Department Mission

- Providing qualified, motivated faculties to deliver the content using updated teaching methodology, inviting industries experts from various areas to disseminate subject knowledge in Civil Engineering.
- Motivating students to undertake the Research-Oriented studies, participants in competitions at all levels, grasping new techniques and methods which can be improved further.
- Conducting and participating in seminars, workshops, and training programs to make the students' industry ready and improve their employability factor for a global career ahead.
- To create quality professionals capable of planning, designing, and analytical skills for better infrastructural development in the field of Civil Engineering.

About Industry Institute Interaction

To create employable and readily absorbable aspirants for the Industries, we have collaborated with Industry personnel from various domains of Civil Engineering. All the course contents are designed as per the requirement of the industries to bridge the gap between academia and industry expectation.

Current Courses

1. **Formwork Design:** In the construction world any structure cannot take a shape without formwork. To help understand students and give them a career perspective about formwork the "FORMWORK DESIGN" course is started under the expertise of:

Mr. Umang Bavsar -

- Leading the Technical department and Heading Central zone at PERI INDIA Pvt Ltd.
- He is one of the first three employees of PERI in Indian operation which was established in 2006.



2. **Structural Engineering:** As students graduating in Civil Engineering must know how important Structural Design and its work is the "Structural Engineering Practices" is started. The syllabus suggested by the Industry representatives "STRUCTURAL ENGINEERING PRACTICES" was formally put up in the shape of VI courses (one course per semester) to start with 3rd Semester and end it by the 8th semester under the expertise of:

- Mr. Girish David- Director at Sterling Engineering Consultancy Services Pvt. Ltd.
- Mr. Nikhil Shanghvi- CEO at Shanghvi and Associates Consultants Pvt. Ltd.



3. **Concrete Technology:** Concrete is the most important aspect of construction to know the process of concrete design and it's working "CONCRETE TECHNOLOGY PRACTICES" is started under the expertise of:

Mr. Suhas Dhuri-

- ACC R & D division from 1980 till 2005
- Has 40 years of experience in concrete



Message from Principal

At Universal College of Engineering, students undergo experimental learning to develop skilful and artful. contrivance which helps them sustain the transcend of technology. While pursuing academic excellence, we also provide individual attention along with world-class quality education and take care of character building for an all-around personality development of the student to lead towards excellence in career and life and to face the global competition.



Dr. Jitendra B. Patil
Principal & Campus Director UCoE

Message from HOD

Department of Civil engineering at Universal College of Engineering is moving in the direction of skill enhancement and improved employability of the students. To achieve the goal, department is working towards bridging the gap between content delivered in the institute and the content expected by the industry. It is planned to connect with the industry experts and understand their expectation in various field. The content received from the industry shall be delivered to students beyond the curriculum of University of Mumbai in form of Value-added courses. As a Pilot Project, institute has started three value added program under Industry Institute Interaction (III) namely, Structural Engineering Practices, Formwork Design and Concrete Design practise.

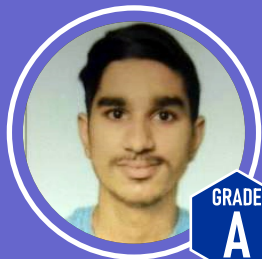


Mr. Rajesh Dubey
H.O.D, Civil Engineering

Structural Engineering Practices

Course Content

- Introduction to various types of structure
- Requirement and responsibilities of Structural consultant
- Introduction to documentations
- Responsibilities and licensing requirements
- Roles of various agencies involved



GRADE
A

Name: Darji Karthikkumar
Haresh Bhai
Address: Vasai
Contact: 8007010313
CGPI till 7th Sem: 7.14

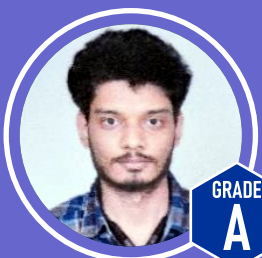
Location Preference - Anywhere in India
Internship / Add-on Courses - Hetali Group - 1
Month, AutoCAD



GRADE
A

Name: Goradkar Richa Mohan
Address: Bhiwandi
Contact: 8806264411
CGPI till 7th Sem: 7.14

Location Preference - Mumbai
Internship / Add-on Courses - AutoCAD



GRADE
A

Name: Joshi Radhey
Balchandra
Address: Nallasopara
Contact: 9594914970
CGPI till 7th Sem: 6.55

Location Preference - within Maharashtra
Internship / Add-on Courses - Tecnimont Private
Limited 1month



GRADE
A

Name: Devlikar Yash Digambar
Address: Kaman
Contact: 8779485386
CGPI till 7th Sem: 8.9

Location Preference - Mumbai
Internship / Add-on Courses - Shantee Housing - 1
months, AutoCAD, Revit Architecture



GRADE
A

Name: Jathar Prajwal Prakash
Address: Borivali
Contact: 9167536959
CGPI till 7th Sem: 8.53

Location Preference - Mumbai
Other Course Grades - Formwork Design: A
Concrete Design Practices: A
Internship / Add-on Courses - Arvind Singh
Consultant Pvt.Ltd- 3 month/AutoCAD



GRADE
A

Name: Kadu Sayali Sanjay
Address: Nallasopara
Contact: 7028268959
CGPI till 7th Sem: 7.4

Location Preference - Mumbai
Internship / Add-on Courses - AutoCAD



GRADE
A

Name: Kholakiya Niraj Pankaj
Address: Mulund
Contact: 8433801472
CGPI till 7th Sem: 7.80

Location Preference - Anywhere in India
Other Course Grades - Formwork Design: A
Internship / Add-on Courses - Manual Drafting, AutoCAD, SketchUp, Vray, Enscape, Lumion, Revit, Twinmotion



GRADE
B

Name: Makwana Raj Mansukhbhai
Address: Mira Road
Contact: 8779877051
CGPI till 7th Sem: 6.88

Location Preference - Anywhere in India
Other Course Grades - Concrete Design Practices: A
Formwork Design: A
Internship / Add-on Courses - NA



GRADE
A

Name: Raut Mohak Nilesh
Address: Vasai
Contact: 8390577999
CGPI till 7th Sem: 7.91

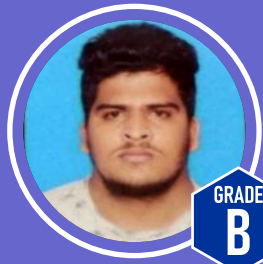
Location Preference - Mumbai, Navi Mumbai, Pune
Other Course Grades - Formwork Design: A
Internship / Add-on Courses - Patil Pawar Office - 1 month/ AutoCAD, Fundamental of Project Planning & Management



GRADE
A

Name: Koladiya Gaurav Ramesh
Address: Borivali
Contact: 8104348733
CGPI till 7th Sem: 7.77

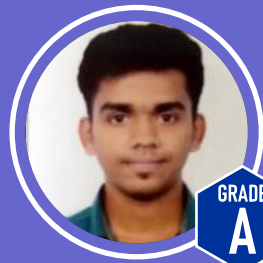
Location Preference - Maharashtra, Gujarat, Rajasthan, Andhra Pradesh, Telangana, New Delhi
Other Course Grades - Formwork Design: A
Internship / Add-on Courses - Shreeji Construction - 1 month/ AutoCAD



GRADE
B

Name: Poojari Gopal Shekhar
Address: Andheri
Contact: 7738767401
CGPI till 7th Sem: 7.245

Location Preference - Mumbai, Bangalore
Other Course Grades - Formwork Design: A
Internship / Add-on Courses - SATPANTH ASSOCIATES - 1 month/ AutoCAD



GRADE
A

Name: Sawant Shubham Chandrashekhar
Address: Mumbai Central
Contact: 9870861425
CGPI till 7th Sem: 7.19

Location Preference - Maharashtra, Baroda, Gandhinagar
Internship / Add-on Courses - United Construction- 1 month



Name: Soni Shubh Anilkumar
Address: Mira Road
Contact: 9004780739
CGPI till 7th Sem: 6.5

Location Preference - Anywhere in India
Internship / Add-on Courses - Simplas
Construction Company - 1 month/ AutoCAD & Revit



Name: Trivedi Maharshi Vinod
Address: Mira Road
Contact: 8433654263
CGPI till 7th Sem: 6.7

No Location Preference
Internship / Add-on Courses - Starwing Developers
- 1 month/ AutoCAD



Name: Thakur Hardik Nirmal
Address: Nallasopara
Contact: 7208266032
CGPI till 7th Sem: 6.74

No Location Preference
Internship / Add-on Courses - OBEROI REALTY - 1
months / AutoCAD

Concrete Design Practices

Course Content

- Introduction to different materials
- Fresh and hardened concrete
- Concrete mix design
- Introduction to High-Performance concrete
- Tests and IS standard
- Ready-mix concrete
- Handling Quality Complaints



GRADE
A

Name: Ambekar Shrutika
Atmaram
Address: Goregoan
Contact: 8355950983
CGPI till 7th Sem: 7.55

Location Preference - within Maharashtra
Internship / Add-on Courses - Ajmera Reality - 1
month / AutoCAD



GRADE
B

Name: Dubey Sakshi Sanjay
Address: Thane
Contact: 8779714837
CGPI till 7th Sem: 7.24

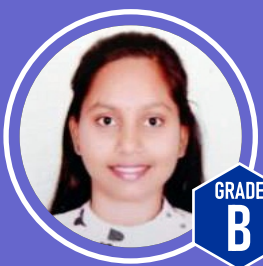
Location Preference - Maharashtra, Prayagraj (UP)
Internship / Add-on Courses - NA



GRADE
A

Name: Dhodi Nishant Manoj
Address: Malad
Contact: 9987556105
CGPI till 7th Sem: 8.07

Location Preference - Maharashtra
Other Course Grades - Formwork Design: A
Internship / Add-on Courses - Blue Baron Realtors-
1 month



GRADE
B

Name: Jadhav Survana
Laxman
Address: Vasai Road
Contact: 9356962430
CGPI till 7th Sem: 8.93

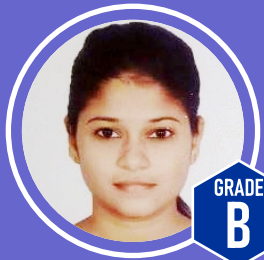
Location Preference - Anywhere in India
Internship / Add-on Courses - Pushpa Construction
- 20 days/AutoCAD



GRADE
A

Name: Jathar Prajwal Prakash
Address: Borivali
Contact: 9167536959
CGPI till 7th Sem: 8.53

Location Preference - Mumbai
Other Course Grades - Formwork Design: A
Structural Engineering Practices: A
Internship / Add-on Courses - Arvind Singh
Consultant Pvt.Ltd- 3 month/AutoCAD



GRADE
B

Name: Kadam Pooja Narayan
Address: Borivali
Contact: 8369307239
CGPI till 7th Sem: 7.12

Location Preference - Mumbai
Other Course Grades - Formwork Design: B
Internship / Add-on Courses - Apaha Trainers and
consultants Pvt.Ltd.- 1 month/ AutoCAD



GRADE
A

Name: Parmar Jay Rajesh
Address: Andheri
Contact: 7021784554
CGPI till 7th Sem: 7.59

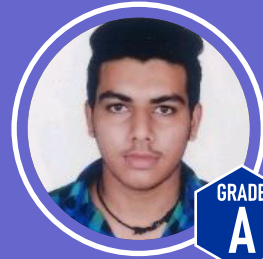
Location Preference - Mumbai
Other Course Grades - Formwork Design: B
Internship / Add-on Courses - Ajmera Realty - 1
months / AutoCAD



GRADE
A

Name: Jogal Prachi Gurunath
Address: Dadar
Contact: 9969265535
CGPI till 7th Sem: 8.07

Location Preference - Anywhere in India
Other Course Grades - Formwork Design: B
Internship / Add-on Courses - Sahakar Infracon
Projects Pvt Ltd- 15 days/ AutoCAD



GRADE
A

Name: Makwana Raj
Mansukhbhai
Address: Mira Road
Contact: 8779877051
CGPI till 7th Sem: 6.88

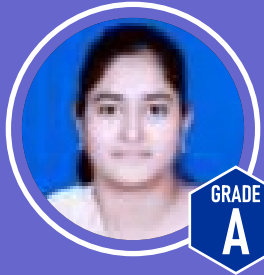
Location Preference - Anywhere in India
Other Course Grades -Formwork Design: A
Structural Engineering Practices: B
Internship / Add-on Courses - NA



GRADE
A

Name: Patil Yash Kamalakar
Address: Bhiwandi
Contact: 9637375800
CGPI till 7th Sem: 6.15

Location Preference - within Maharashtra
Internship / Add-on Courses - Naik and Associates
- 1 month, ABC Co. - 1 month



GRADE
A

Name: Pawar Shivani Ramesh
Address: Nallasopara
Contact: 7219692197
CGPI till 7th Sem: 7

Location Preference - within Maharashtra
Internship / Add-on Courses - AutoCAD



GRADE
A

Name: Shinde Laxman
Tukaram
Address: Thane
Contact: 8879014070
CGPI till 7th Sem: 6.03

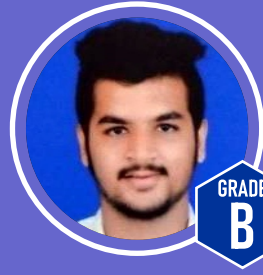
Location Preference - Mumbai
Internship / Add-on Courses - NA



GRADE
A

Name: Wala NeelKumar Manoj
Address: Borivali
Contact: 9004191337
CGPI till 7th Sem: 6.86

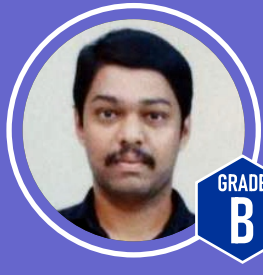
Location Preference - within Maharashtra
Internship / Add-on Courses - AutoCAD and Revit



GRADE
B

Name: Shah Parth Nilesh
Address: Mira Road
Contact: 8169436375
CGPI till 7th Sem: 8.71

Location Preference - Mumbai
Internship / Add-on Courses - C H Patil and Sons- 6 months



GRADE
B

Name: Shinde Sumit Dhanaji
Address: Borivali
Contact: 8692086252
CGPI till 7th Sem: 7.68

Location Preference - Mumbai
Internship / Add-on Courses - J. Kumar
Infraprojects Ltd.- 1 month / AutoCAD



GRADE
B

Name: Yadav Suraj Dashrath
Address: Kandivali
Contact: 8356859411
CGPI till 7th Sem: 7.22

Location Preference - Mumbai
Internship / Add-on Courses - NA

Formwork Design

Course Content

- Introduction to Formwork
- System Formwork
- Formwork Design- Walls, Columns & Slabs
- Formwork for High Rise Constructions, Tunnels and Bridges
- Economics and Maintenance of Formwork
- Advancement & Scope of Formwork Design



GRADE
A

Name: Dhodi Nishant Manoj
Address: Malad
Contact: 9987556105
CGPI till 7th Sem: 8.07

Location Preference - Maharashtra

Other Course Grades - Concrete Design Practices: A
Internship / Add-on Courses - Blue Baron Realtors-
1 month



GRADE
A

Name: Jathar Prajwal Prakash
Address: Borivali
Contact: 9167536959
CGPI till 7th Sem: 8.53

Location Preference - Mumbai

Other Course Grades - Concrete Design Practices: A
Structural Engineering Practices: A
Internship / Add-on Courses - Arvind Singh
Consultant Pvt.Ltd- 3 month/AutoCAD

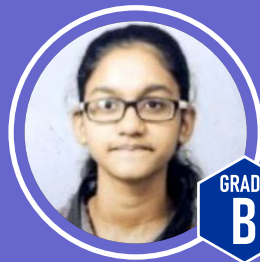


GRADE
A

Name: Jadhav Prasad Ganesh
Address: Vasai
Contact: 9867492353
CGPI till 7th Sem: 8.08

Location Preference - Mumbai

Internship / Add-on Courses - BHAGYARAJ
CONSTRUCTION - 1 month

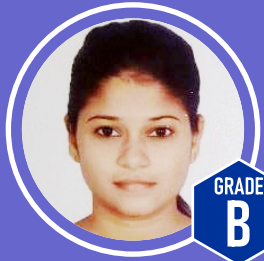


GRADE
B

Name: Jugal Prachi Gurunath
Address: Dadar
Contact: 9969265535
CGPI till 7th Sem: 8.07

Location Preference - Anywhere in India

Other Course Grades - Concrete Design Practices: A
Internship / Add-on Courses - Sahakar Infracon
Projects Pvt Ltd- 15 days/ AutoCAD



GRADE
B

Name: Kadam Pooja Narayan
Address: Borivali
Contact: 8369307239
CGPI till 7th Sem: 7.12

Location Preference - Mumbai

Other Course Grades - Concrete Design Practices: B

Internship / Add-on Courses - Apaha Trainers and consultants Pvt.Ltd.- 1 month/ AutoCAD



GRADE
A

Name: Koladiya Gaurav Ramesh
Address: Borivali
Contact: 8104348733
CGPI till 7th Sem: 7.77

Location Preference - Maharashtra, Gujarat, Rajasthan, Andhra Pradesh, Telangana, New Delhi

Other Course Grades - Structural Engineering Practices: A

Internship / Add-on Courses - Shreeji Construction - 1 month/ AutoCAD



GRADE
A

Name: Makwana Vrushti Chandrakant
Address: Mira Road
Contact: 9870040109
CGPI till 7th Sem: 7.31

Location Preference - Mumbai

Internship / Add-on Courses - Aakar Engineers & Contractors- 20 days



GRADE
A

Name: Kholakiya Niraj Pankaj
Address: Mulund
Contact: 8433801472
CGPI till 7th Sem: 7.80

Location Preference - Anywhere in India

Othe Course Grades - Structural Engineering Practices: A

Internship / Add-on Courses - Manual Drafting, AutoCAD, SketchUp, Vray, Enscape, Lumion, Revit, Twinmotion



GRADE
A

Name: Makwana Raj Mansukhbhai
Address: Mira Road
Contact: 8779877051
CGPI till 7th Sem: 6.88

Location Preference - Anywhere in India

Other Course Grades -Concrete Design Practices: A
Structural Engineering Practices: B

Internship / Add-on Courses - NA



GRADE
A

Name: Mali Rohit Janardhan
Address: Bhiwandi
Contact: 9604048224
CGPI till 7th Sem: 6.63

Location Preference - Mumbai, Nashik, Pune

Internship / Add-on Courses - NA



GRADE
A

Name: Palav Vismay Gajanan
Address: Malad
Contact: 7506207049
CGPI till 7th Sem: 7.9

Location Preference - Mumbai
Internship / Add-on Courses - Satpanth Associates
- 1 months



GRADE
A

Name: Parmar Pradeep Bharat
Address: Malad
Contact: 9619511661
CGPI till 7th Sem: 7.89

Location Preference - Mumbai, Ahmedabad,
Vadodara, Rajkot, Bhavnagar
Internship / Add-on Courses - NA



GRADE
B

Name: Patil Rahul
Harishchandra
Address: Dadar
Contact: 9769555796
CGPI till 7th Sem: 7.14

Location Preference - Mumbai
Internship / Add-on Courses - AutoCAD 2D & 3D



GRADE
A

Name: Parmar Jay Rajesh
Address: Andheri
Contact: 7021784554
CGPI till 7th Sem: 7.59

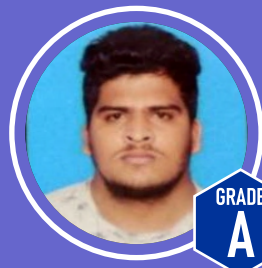
Location Preference - Mumbai
Other Course Grades - Concrete Design Practices:A
Internship / Add-on Courses - Ajmera Realty - 1
months / AutoCAD



GRADE
A

Name: Patel Sahil Naresh
Address: Vasai
Contact: 9028696848
CGPI till 7th Sem: 5.99

Location Preference - Mumbai
Internship / Add-on Courses - AutoCAD



GRADE
A

Name: Poojari Gopal Shekhar
Address: Andheri
Contact: 7738767401
CGPI till 7th Sem: 7.245

Location Preference - Mumbai, Bangalore
Other Course Grades - Structural Engineering
Practices: B
Internship / Add-on Courses - SATPANTH
ASSOCIATES - 1 month/ AutoCAD



GRADE
A

Name: Purohit Kishorkumar
Uttamlal
Address: Borivali
Contact: 9833135136
CGPI till 7th Sem: 9.08

Location Preference - Mumbai
Internship / Add-on Courses - AutoCAD



GRADE
A

Name: Sawant Parthvi Anil
Address: Kandivali
Contact: 8879205658
CGPI till 7th Sem: 7.26

Location Preference - Mumbai
Internship / Add-on Courses - S D Corporation
(Shapoorjee Pallonji) - 1 months, AutoCAD 2D & 3D

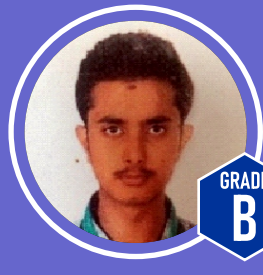


GRADE
A

Name: Raut Mohak Nilesh
Address: Vasai
Contact: 8390577999
CGPI till 7th Sem: 7.91

Location Preference - Mumbai, Navi Mumbai, Pune
Other Course Grades - Structural Engineering
Practices: A

Internship / Add-on Courses - Patil Pawar Office -
1 month/ AutoCAD, Fundamental of Project Planning
& Management



GRADE
B

Name: Katapara Vishal Dinesh
Address: Dadar
Contact: 8898949148
CGPI till 7th Sem: 7.74

No Location Preference
Internship / Add-on Courses - NA

Services

Laboratory Testing & Professional Services Offered by the Department

The Department of Civil Engineering is also capable of catering as a Third party testing laboratory and Professional Consultancy services from our faculties in their specialised domain as listed below:

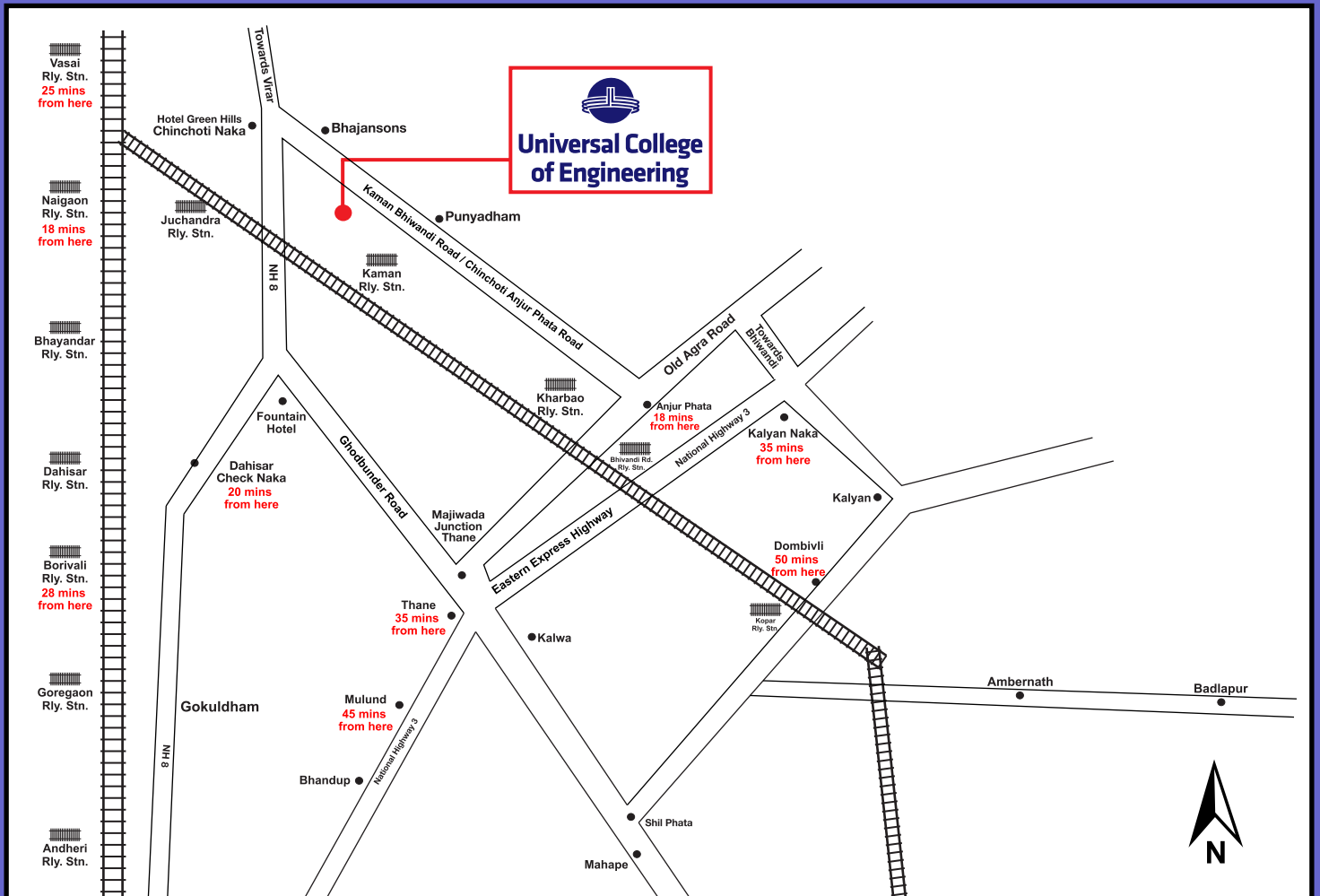
Laboratory Testing

- Tensile test of rebar
- Concrete Compressive Strength Test
- Torsion, Impact Testing
- Bitumen testing
- Aggregate testing
- Wind tunnel experiments
- Tilting flumes and water model tests
- Basic soil properties
- California Bearing Ratio
- Triaxial, Vane and direct shear test
- UCS, Consolidation test
- Swelling pressure test
- Water testing

Professional Services include

- Analysis and Design of RCC and Steel Structures
- Structural Audit
- Traffic count (classified volume count and Turning Movement count)
- Parking survey, analysis and design
- Road safety audit
- Third Party inspection for road projects
- Planning and Scheduling of Projects using Primavera P6
- Sub surface investigations
- Foundations Analysis and Design
- Design of Retaining wall, MSE wall and Ground improvements
- Design of water treatment plant and waste water treatment facility
- Environmental impact assessment

Location



Head, Industry Institute Interaction Cell

Mr. Asir Khan - Dept. of Civil Engineering

asir.khan@universal.edu.in

+91 8087360115



Scan for College Location

Universal College of Engineering
Near Bhajansons & Punyadham,
Kaman Bhiwandi Road,
Vasai, Palghar-401208.



Visit our Website



Visit our Facebook page