



B.S. Abdur Rahman™

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956



**YEARS OF
ACADEMIC
EXCELLENCE**



SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

M.Tech.

Construction Engineering & Project Management

Admissions Open 2024-25



2023
Engg:101-150
Univ: 151-200



SDG 4: 75 | SDG 6: 77
SDG 7: 101-200
SDG 17: 301-400



QS Asia University
Ranking 2024 (801+)



Diamond

Salient Features of the Department

- Established in the year 1984
- Highly qualified, well experienced and dedicated faculty members
- Industry oriented and well balanced curriculum
- Well-equipped laboratories for academic and research purpose
- Sponsored research projects from DST – SERB, Ministry of Earth Sciences and Industry
- Exclusive laboratory for PG Programme
- Collaboration with Industries and premier research organizations
- Affiliate Faculty Members from abroad and Industry
- Patents published and granted

Department Offers



Special Features of M.Tech. Construction Engineering and Project Management

The programme is designed to cater for a wide variety of students, including practicing engineers to acquire or upgrade their knowledge and skills to become successful entrepreneurs / contractors / project executives / project managers. Civil Engineers and Architects who take up this programme will become a perfect blend of experts on latest construction technologies, execution methods and project management

- Collaboration with L&T Edu Tech to handle job oriented courses
- Outcome based curriculum and syllabi
- Courses handled by industry professional & faculty from abroad
- Training on latest software like Cost X, BIM, Ms Project, Primavera, Revit, Q GIS and Auto Cad
- Well-equipped Construction Materials & Technology laboratory and Computer laboratory exclusively for M. Tech Programme
- Mandatory internship in industry / academia / research organization
- Facilitates enrolment and credit transfer from massive open online courses
- Opportunity for the students to involve in Consultancy and Testing projects
- Facilitates students to establish new startups through Crescent Innovation & Incubation Council (CIIC)
- Educational tour

Eligibility

B.Tech. in Civil Engineering / B. Arch. / any equivalent course

Core Courses Offered

- Advanced Construction Planning, Scheduling & Control
- Project Management in Construction
- Contract laws & Regulation
- Advanced Concrete Technology
- Construction Economics, Finance & Risk Management
- Building Information modelling

Elective Streams

- Infrastructure Management
- Energy Management
- General Management
- Advanced Topics

Special Electives

- Safety Management
- Quality Management
- Lean Construction
- Value Engineering and Valuation
- Advanced Techniques in construction
- Automation in Construction
- Shoring, scaffolding and formwork
- ICT Based Cities and smart infrastructure

Value Added Courses

- Digital Project Management using BIM
- Training on CostX
- Primavera P6- Hands On Training
- BIM Training
- Revit Architecture, Revit Structure, Navis Works, Robot Structural Analysis

Achievements

Three Affordable building units of 10,000 sq.ft. using Glass Fibre Reinforced Gypsum (GFRG) Panel Technology was executed by the faculty and students of Civil Engineering Department



Job Skills

- Project planning, scheduling using software like Ms Projects, Primavera and BIM
- Cost estimation and management
- Contracts, tendering, bidding process and arbitration
- Handling challenges at site
- Value engineering, optimizing building space and material use
- Safety practices at site and quality control

ATAL Tunnel Visit

Students of M.Tech. (Construction Engineering and project management) and M.Tech. (Structural Engineering) of 2021 batch visited Atal Tunnel (Himachal Pradesh) under AICTE YUVAK scheme from 23.09.2021 to 02.10.2021. Prime Minister Narendra Modi inaugurated it on 3rd October 2020. The cost of the entire project is 3,500 crore. A 2.25 m tall and 3.6 m wide emergency tunnel has been integrated into the tunnel cross-section beneath the main carriageway for evacuation during emergencies.



Industry Institute Interaction

- Joint Research work with CSIR-SERC and IITM
- Collaborative Research with M/s. Vector Corrosion Technologies Ltd, Canada, M/s. Engineering Services International, Kolkata, etc
- MOU with L&T Edu Tech, Chennai, MOU with M/s. Mahindra Consulting Engineers, Chennai, M/s. EPMCR, Chennai, M/s. Kankyo Clean Tech Pvt Ltd, Chennai, M/s. Hitech Concrete Solutions Chennai Pvt Ltd, Chennai, Tamilnadu Pollution Control Board (TNPCB) and M/s. eStaar Max Technologies Pvt Ltd, Chennai, for consultancy work, student internship, student placement and project internship
- MOU with reputed institutes such as UniversitiTeknologi MARA, Malaysia, National Highway Authority of India (NHAI), University of Stuttgart, Germany for students & faculty exchange and joint research



Research Facilities

- 100kN Strain Controlled Universal testing machine (computerized)
- Data Acquisition System
- Concrete Permeability Test
- 500kN Compression Testing Machine
- NDT apparatus like core cutting machine, Profometer, and Rebound Hammer
- Corrosion testing apparatus like Accelerated Corrosion Testing Apparatus, Rapid Chloride Penetration Test (RCPT Apparatus), and Macro cell testing facility
- Self Compacting Concrete Testing Equipment
- Standard Penetration Test Apparatus

Non - Destructive Testing (NDT)



Testing of Specimens



Flow Table Test



Computer Lab



Fee Details

- Tuition Fee per Semester - **Rs. 40,000**
- Amenities and Service Fee – **Rs. 20,000/-** (Onetime payment at the time of admission)

For further details on fees, scholarship, transportation and hostel fees

Please Visit



Our Legacy

- Accredited with “A+” grade by NAAC in the second cycle
- QS I-Gauge Diamond Rating for Teaching Quality and Employability
- QS World University Rankings – Regional Ranking India 2020
- NIRF Ranking 2022: Placed among Top-102 Engineering Colleges in India
- Awarded All India 5th Rank under Swachh Campus Ranking 2019 by AICTE
- All the Engineering Programmes are accredited by NBA
- Awarded ISO 9001-2015 quality standards certified by DetNerske Veritas, Netherland
- Affiliate faculty from Foreign Universities and Industries
- Programmes offered in collaboration with IBM, ACCA and CIMA
- Efficient mentoring of students with all kind of assistance
- Value added programmes in AI and IoT, Big Data Analytics, Foreign languages, Robotics etc
- Industry internship opportunity to all the students
- Efficient Industry Institute Partnership Cell (IIPC)
- Dynamic Placement and Training Cell to empower the students
- Dedicated Innovation and Incubation Council to support Student Entrepreneurs
- Exclusive cultural and literary clubs providing versatile exposure for students

MAJOR RECRUITERS



ALUMNI TESTIMONIALS



Er. Uma Maheswari (2018-2020)

Technical Assistant Section-1,
Buildings & Maintenance PWD, Chengalpattu Subdivision

The masters in Construction Engineering and Project Management (CEPM) has competent and capable teachers who are proactively involved in providing the very best to their students. Thanks to the entire faculty members for their guidance, boost, motivation, and support. I had an amazing two years of experience at this campus.



Er. S.H. Sultan Badrudeen (2018-2020)

Junior Engineer
VRV Construction, Salem

Facilities in the Department of Civil Engineering, B.S. Abdur Rahman Crescent Institute of Science & Technology are outstanding. Successful completion of the M.Tech. (CEPM) programme landed me in a good profession in Core Company. The curriculum has internship options and students get a chance to interact with civil engineering experts. The staff members always motivated me to do research and practical work. Overall, the experience I had was at crescent a memorable one.

Eminent Alumni



Er. Deepak Balakumar
Batch (2017-2019)
Plant Engineer Trainee,
Coromandel International Limited,
Visakhapatnam, Andhra Pradesh



Er. Jagatheeswaran Selvakumar
Batch (2016-2018)
Executive – Projects at Centre for
Urbanization, Buildings & Environment
[CUBE], IIT Madras



PrasannaValavan
Batch (2013-2015)
PMP certified,
Project planning and Control specialist,
Hitachi ABB Power Grids



Er. Abdul Naseer
Batch (2011-2013)
Planning Engineer,
Concord Stars Contracting L.L.C,
Dubai,U.A.E

Contact

Department of Civil Engineering

M.Tech. Admission coordinator

Mobile : +91 94443 11403, +91 99626 64176

**Email : gajalakshmi@crescent.education,
manickapriya@crescent.education**

Dr. Vasanthi P

Dean (School of Infrastructure)

Department of Civil Engineering

Mobile: +91 99400 58415

Tel: +91-44-2275 9236 / 9200 / 1347

Email: dean.infrastructure@crescent.education

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Admission Help-desk: +91-95432 77888

Email: admissions@crescent.education

GST Road, Vandalur, Chennai 600 048, TN, India.

www.crescent.education