



B.S. Abdur Rahman

Crescent

Institute of Science & Technology

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



**38 YEARS OF
ACADEMIC
EXCELLENCE**



SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

M.Tech.

Construction Engineering & Project Management

Admissions Open 2022



10 Programmes
Tier-1



2021
Engg:112
Univ: 151-200



SDG 6&7: Top 200
SDG 4: Top 400



QS Asia University
Ranking 2022
601-650



E-Lead



Diamond



BAND EXCELLENT

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

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

- 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

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 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 Universiti Teknologi MARA, Malaysia, University of Stuttgart, Germany for students & faculty exchange and joint research



Research Facilities

- 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

- For Non-GATE Candidates

CGPA	Tuition Fee per Semester
9.0 and above	Rs 10,000
8.0 and 8.9	Rs 20,000
7.0 and 7.9	Rs 30,000
Below 7.0	Rs 40,000

- For GATE Candidates Tuition Fee per Semester is Rs 10,000/-
- Amenities and Service Fee – Onetime payment at the time of admission is Rs 20,000/-

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
- Fourth in India to be awarded 4 stars by QS World Top University Rankings
- QS World University Rankings – Regional Ranking India 2020
- NIRF Ranking 2020: Placed among Top-123 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



Affam Abdulla T, Batch (2015-2017)

**M.Tech (Construction Engineering & Project Management),
Project Coordinator, Design Seed Architects**

It's difficult to sum up the memories and experience of six years during my B.Tech. and M.Tech. in few lines. I consider myself very lucky for being a part of B S A Crescent Institute of Science and Technology. There is something motivational and special in this environment which made us study and enjoy co-curricular activities. All the professors are very helpful, and they guided us all the time. Different events and sessions arranged has boosted my confidence which I can experience at my workplace now. Participating and organizing events gave me a different enjoyable experience. These six years have given me friends for life. The six years has been an unforgettable journey. I had spent my wonderful days of life in B S A Crescent institute of Science and Technology.



B. Dheepika Lakshmi, Batch (2017-2019)

**M.Tech (Construction Engineering and Project Management),
Project Co-ordinator, LOGOS Constructions Pvt Ltd, Chennai.**

I am very thankful to the Institution and the Civil Engineering Department for the guidance, exposure and support they gave me during the course of my study which motivated and encouraged me to secure a Gold Medal. The courses and the teaching in the institution were more practical oriented than theoretical. Each and every tests and training undergone at the institute were very useful and practical which is very much essential during the current scenario and has boosted up my confidence to face the outer world. I am really grateful to all my faculty members in the Department and Institution who helped me to reach this height.

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



Prasanna Valavan
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

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M.Tech. Admission coordinator

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