

## Metric No. 7.2.1

### Two Best Practices



B.S. Abdur Rahman

# Crescent

Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956  
GST Road, Vandalur, Chennai 600 048

[www.crescent.education](http://www.crescent.education)

# Accreditation by NAAC : II Cycle

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## **BEST PRACTICES OF THE INSTITUTION**

### **BEST PRACTICES OF THE INSTITUTION FOR THE YEAR 2019-2020**

#### **Best Practice – 1**

#### **IMPLEMENTATION OF CRESCENT LMS USING OPEN SOURCE PLATFORM**

##### **Objectives of the practice:**

- To offer online course content delivery and assessments accessible to faculty and students from anywhere and at anytime.
- To promote teaching-learning through bi-directional engagement.
- To provide unlimited access to course materials.

##### **The Context**

- The institute has implemented Crescent LMS, a learning management system (<https://lms.crescent.education>) which operates in Moodle - Open Source software as front end with back end hosted on the Cloud platform in a secured manner.
- It has massive infrastructure capability to handle faculty and student request for all the courses offered by the institution.
- It is made available 24 X 7 for the benefit of students and faculty for engaging teaching-learning.

##### **The Practice**

- The faculty members were asked to enroll their students, course wise, in **Crescent LMS** when the institute was closed down based on Government guidelines
- Faculty members uploaded the course materials, PPT, videos and audios for the benefit of the students.

- Students were provided with login and user ID to access the course contents and actively participate in the learning process, in a secured manner, which is also monitored by the respective course teachers.
- In Homepage of each student, simple and user friendly menu's are provided to access lecture notes, videos, e-books, presentation, announcements uploaded by the course teacher.
- Further engagement happens through posting comments submission of assignments, taking up the quiz, participation in chats and forums etc., with regular reminders to keep track of their progress in each activity engaged by them.

### **Evidence of Success**

- Implemented successfully in the academic year 2019-20.
- 4870 students were enrolled in 393 courses offered by 213 faculty members of 20 departments in the Even semester 2019-20.
- In the wake of nation-wide lockdown due to Covid-19, the institute geared up to ensure teaching-learning is not disrupted during this time of pandemic due to implementation of Crescent LMS.
- Facilitated the faculty to track the online engagement of students through report generation, thus providing scope for following up with students' progression in the course.

### **Problems Encountered and Resources Required**

#### **Problems Encountered**

- The size of the file is limited for a single upload.
- Online streaming of class is yet to be enabled.

#### **Resources Required**

- Enhanced storage space is required for incorporating new software and tools.
- Graphical User Interface can be upgraded to provide better user experience.

## **Best Practice – 2**

### **IMPLEMENTATION OF GREEN INITIATIVES IN BSACIST**

#### **Objectives of the practice:**

- Follow sustainable construction practices.
- Solid waste management program to separate recyclable waste and dispose all waste in non-polluting and responsible manner.
- Energy and water conservation measures
- Establish campus renewable energy sources like roof-top solar power plants, Bio-Gas plants etc.
- Green belt development
- Getting all buildings certified as green buildings (Gold rating)

#### **The Context**

- To implement practices to ensure pollution free environment
- To use renewable energy
- To conserve water and energy in the campus

#### **The Practices**

- Getting all buildings certified as green buildings (Gold rating) Under USGBC-LEED/GBCI-EDGE/IGBC rating systems.
- Renewable Energy:
  - Solar Power Plant – Capacity : 650 kWp
    - 150kWp – Vikram Solar
    - 100kWp – Fourth Partner Energy
    - 300kWp – Fourth Partner Energy
    - 100 kWp in progress
  - Solar water heaters:
    - Installed Capacity in Hostels and staff quarters : 36,500 litres (Equivalent to 240 electric geysers of various capacities)
  - Solar Street Light
    - Solar street lights are provided towards staff quarters to Men's hostel road and Architecture block area. This project was done by our III year EEE students.

- Bio gas Methanization Plant
  - A Biogas plant of 50m<sup>3</sup> capacity for Ladies Hostel is commissioned. The food waste collected from hostel mess and canteen is recycled in the bio gas plant. The gas generated from the plant is utilized for cooking in Ladies Hostel mess Kitchen.
- Ecobin (250Kg/day)
- Garbage Incinerator with 50Kg/hr capacity
- Safety and security Measurements
  - Fire Extinguishers in Campus (321)
  - CCTV system in campus (317)
- Protected Water Supply
  - Water treatment plants
  - RO drinking water plants
- Sanitation facility
- Environmental sustainability
  - Rain water harvesting
  - Sewage treatment plants
    - Institute - 250 KLD : 2003 and revamped in 2015
    - Hostel - 250KLD : Commissioned in 2014
  - Napkin Burner (Attached with Wet Scrubber for Pollution Control)
- Transport vehicles
  - 48 vehicles
    - All vehicles are provided with speed governor as per RTO norms
    - Except cars all other vehicles are with Neotrack software for vehicle tracking
- Hostel
  - Men's Hostel – 481 rooms inclusive of 57 AC rooms and can accommodate 1712 boys
  - Women's Hostel - 200 rooms inclusive of 27 AC rooms which can accommodate 500 boys
- Staff quarter (72) and guest house (18)
- Essential worker's quarters

- Beema bamboo plants for CO<sub>2</sub> reduction and created Oxy park.
- Total power generated through the Solar PV plants is 19,87,499 units till 30th June 2019 contributing to average monthly consumption of 37%
- Avoided emission of greenhouse gases to the equivalent of 11,84,566kg CO<sub>2</sub> due to generation of renewable energy by Solar PV power plants
- LED fixtures – of around 50.87KW capacity has been installed in our campus in the past 6 years. At least 60% of less power is consumed because of this initiative.
- Monitoring solar panel online

#### **Evidence of Success**

- Certification for E-waste (Rules 2016 clearance)
- Certification for Solid waste (Rules 2016 clearance)
- Certification for Bio-medical waste (Rules 2016 clearance)
- Certification for Sanitation
- Certification for water quality
- Certification for Fire Safety
- Certification from Airport Authority of India
- Certification for Food Safety

#### **Problems Encountered and Resources Required**

##### **Problems Encountered**

**Nil**

##### **Resources Required**

100% in-house manpower and materials used



## Annexure A

### **Snapshots showing students engagement activities and assessment tools facilitate in Crescent LMS**

#### Sample 1

Name of the Course Faculty : Ms.A.Catherine Anna Pushpam,  
Assistant Professor (Sr.Gr.) / English  
& Academic Administrator

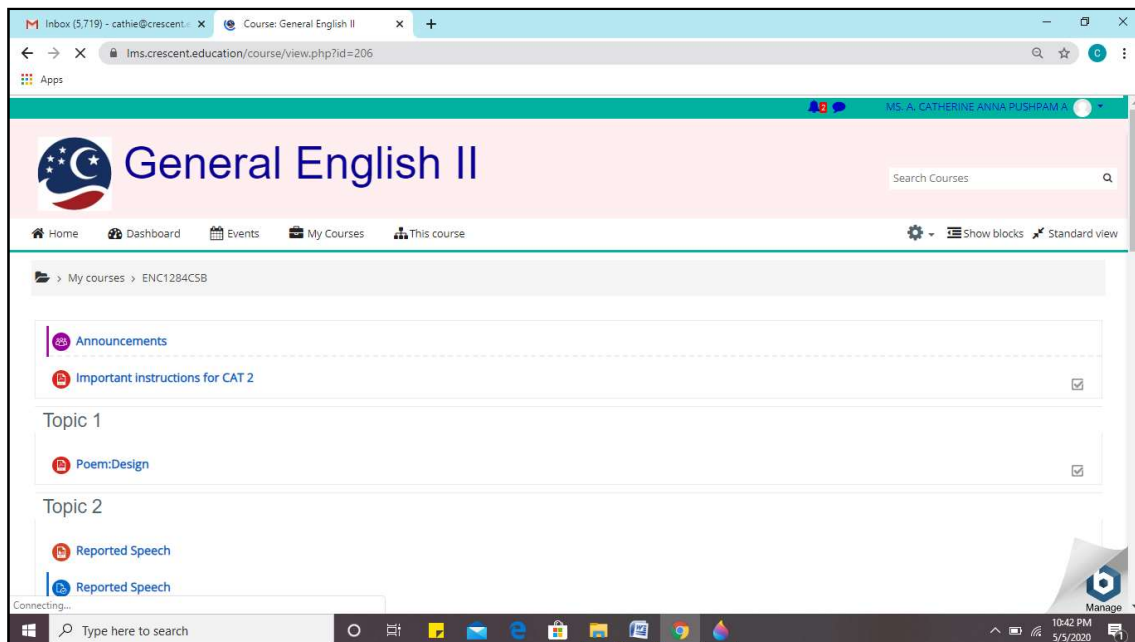
Course Code & Name : ENC1284 General English II

Programme & Branch : B.Sc. Computer Science - B

Semester : 02

Total No. of students : 42

The sample screenshots of student's engagement activities and assessment tools through CrescentLMS for course ENC1284 General English II



**Home page of B.Sc. Computer Science – B Crescent LMS**

General English II

My courses > ENC1284CSB > Poem: Night of the Scorpion > Speaking Test > Grading

### Speaking Test

Grading action: Choose...

Reset table preferences

Select	User picture	First name / Surname	Username	Email address	Grade	Edit	Last modified (submission)	Submission comments	Final j
<input type="checkbox"/>		mohamed irfan.M	191371601042	mohirfan444@gmail.com	Grade 13.00 / 20.00	Edit	-	Comments (0)	13.00
<input type="checkbox"/>		mohamed sahal hameed.s	191371601043	MDSAHULH@GMAIL.COM	Grade 14.00 / 20.00	Edit	-	Comments (0)	14.00
<input type="checkbox"/>		mohanarangan	191371601048	mohanmeow2@gmail.com	Grade	Edit	-	Comments	

## Grades for Assignments submitted

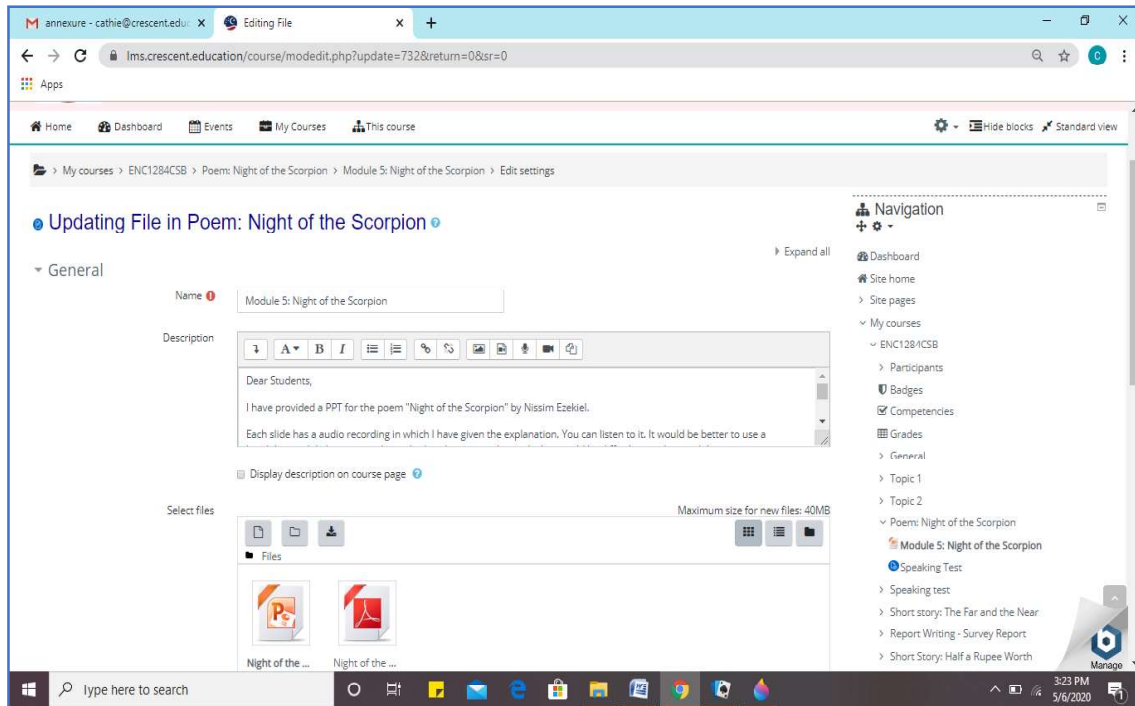
Inbox (5,719) - cathie@crescent... Activity completion

lms.crescent.education/report/progress/?course=206&start=0

Home Dashboard Events My Courses This course

First name / Surname	Username	Email address	Important in	Poem/Design	Reported Sp	Reported Sp	Module 5: N	Speaking Te	Summary of	Report writi	Half a Rupre	CAT 2
mohamed A.Arshad Ahmed	191371601044	arshu9183@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
tharun Aadhithya.R	191371601081	tharunaadhithyarta@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
riyaz ahamed.F	191371601066	riyazahamed0501@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
taufik ahamed.m.s	191371601080	TAUFIKAHAMEDM518@GMAIL.COM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
oise Ahmed.MA	191371601055	oiseahmed4984@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
sandhiya D	191371601069	sandhiyasandy28901@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nirmalaa G	191371601053	ddgulouthungan@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mohammed hashimkhan.s	191371601045	mhashimkhan2001@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
shagul imran.L	191371601073	shai86475@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mohamed irfan.M	191371601042	mohirfan444@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
monisha J	191371601049	monisha10112001@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
santhosh J	191371601071	SS386768@GMAIL.COM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
sujit soundar john ramnath	191371601077	sujitsounderjohnramnath@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mohanarangan k	191371601048	mohanmeow2@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
mukesh K	191371601050	mukeshvenkat871@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
priyanka K	191371601060	kishorepooja2001@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
surya K	191371601078	suryak13082001@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
yuvashree K	191371601084	yuvashreeyuvasri@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
nagoor kanifa.A	191371601051	nagoorkani240@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ranjith kumar	191371601064	rk8608368883@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
santhosh kumar	191371601072	santhoshsurya195@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
pravin kumar.v	191371601059	pravin24072001@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ragul M	191371601062	ragulmurugan4162@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Screenshot of activity completion log of the class



## Course content and material in LMS

### Sample 2

Name of the Course Faculty : Dr. S. Sharon Priya, Assistant Professor (Sr. Gr)  
Assistant Professor (Sr.Gr.) / CSE

Course Code & Name : CSC 2214 Database Management Systems

Programme & Branch: B. Tech-CSE

Semester:04

Total No. of students:64

The sample screenshots of student's engagement activities and assessment tools through CrescentLMS for course CSC 2214 Database Management Systems

The screenshot shows the Moodle LMS interface for the DBMS course. The top navigation bar includes Home, Dashboard, Events, My Courses, and This course. The main content area is titled 'CASESTUDY - DOCUMENT SUBMISSION' and features a 'CASE STUDY TOPICS (copy)' section with 0 of 64 contributed topics and a 'Case Study' section with a due date of 2 April 2020 and 55 of 63 submitted topics. A 'BOOK' section is also visible. The right-hand navigation menu lists various course elements like Participants, Badges, Competencies, Grades, and General.

### CSC 2214 Database Management Systems- Homepage of the course

The screenshot shows the 'Case Study' submission page in Moodle LMS. It includes a grading action dropdown, a search filter for first and last names, and a table of student submissions. The table columns include Select, User picture, First name / Surname, Username, Email address, Edit, Last modified (submission), File submissions, Submission comments, and Last modified (grade).

Select	User picture	First name / Surname	Username	Email address	Edit	Last modified (submission)	File submissions	Submission comments	Last modified (grade)
<input type="checkbox"/>		NEHRU M	180071601134	nehru2001@gmail.com	Edit	Monday, 30 March 2020, 8:12 PM	IBMdb2.pdf	Comments (1)	-
<input type="checkbox"/>		NIVEDHA B	180071601136	Niveedu26@gmail.com	Edit	Monday, 30 March 2020, 11:05 PM	IBM DB2.pdf	Comments (0)	Tuesday, 31 March 2020, 9:23 AM
<input type="checkbox"/>		MUHAMMED AYAAN M	180071601128	mdayaan_mai@gmail.com	Edit	Tuesday, 31 March 2020, 11:29 AM	DATABASE MANAGEMENT.pdf	Comments (0)	-
<input type="checkbox"/>		YOGESH ADHITHYA C B	180071601173	yogeshadhithya63@gmail.com	Edit	Tuesday, 31 March 2020, 11:35 AM	180071601173_MARIADB.pdf	Comments (0)	-
<input type="checkbox"/>		VENNILA R	180071601169	vennilaar2001@gmail.com	Edit	Tuesday, 31 March 2020, 12:38 PM	MemSQL casestudy.pdf	Comments (0)	-

### CSC 2214 Database Management Systems -Submission of Case study Assessment documents by students

The screenshot shows a Moodle LMS interface for a 'Case Study' assignment. The main content area contains the following text:

**Case Study**

Dear Students

Everyone has to submit a case study on DBMS application for cat-2 assessment before 31st March 2020 without fail.

The case study should be minimum 15 pages in PDF format. Send in the same portal.

**Grading summary**

Hidden from students	No
Participants	63
Drafts	1
Submitted	55
Needs grading	54
Due date	Thursday, 2 April 2020, 12:00 AM
Time remaining	Assignment is due

The right-hand navigation menu includes: Dashboard, Site home, Site pages, My courses, CSC2214C, Participants, Badges, Competencies, Grades, General, CASESTUDY - DOCUMENT SUBMISSION, CASE STUDY TOPICS (copy), Case Study, BOOK, Unit-2, PHP AND MYSQL, Unit-3, and CSC3213CSB.

## CSC 2214 Database Management Systems -Grading of Case study Assessment documents by students

The screenshot shows a Moodle LMS course page for 'CSC 2214 Database Management Systems'. The course content is organized into units:

- Unit-2**
  - MODULE IIRELATIONAL MODEL AND RELATIONAL ALGEBRA
  - UNIT-2
- PHP AND MYSQL**

<https://spoken-tutorial.org/watch/PHP+and+MySQL/XAMPP+in+Windows/English/>

TEST DATE: 18 APRIL 2020

certificates
- Unit-3**
  - ER diagram
  - Entity Types, Entity Sets, Attributes and Key

The right-hand navigation menu includes: CSC3213CSB, CSX42CSA, CSX42CSB, CSX42CSC, Administration, Course administration, Edit settings, Turn editing on, Course completion, Users, Filters, Reports, Gradebook setup, Badges, Backup, Restore, Import, Reset, and Question bank.

## CSC 2214 Database Management Systems -course material for various modules

← → ↻ lms.crescenteducation/report/progress/index.php?course=209 🔍 🌟 📄 📧 📱

🏠 Home 📊 Dashboard 📅 Events 📁 My Courses 👤 This course ⚙️ Hide blocks 🗨 Standard view

First name / Surname	Username	Email address	CASE STUDY TOPICS (copy)	Case Study	php DATABASE	Book	MODULE IIRELATIONAL MOD	UNIT-2	certificates	ER diagram	Entity Types, Entity Sets, ...
MOHAMED RAYAAN A	180071601116	mohdrazor2001@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SAMUEL YOHAN A	180071601147	samuelyohan2601@gmail.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YUVANSHANKAR A	180071601174	ayuvanshankar@gmail.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SIKANDER BATCHA A M	180071601158	sikandarbatchaam@yahoo.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DADDOLU AKHIL	180071601180	daddoluakhil@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NIVEDHA B	180071601136	Nivebalu26@gmail.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SNEHA B	180071601160	sneha.baskar02@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VISHAL B	180071601171	vishalbhashkar@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
YOGESH ADHITHYA C B	180071601173	yogeshadhithya63@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NISHA D	180071601135	nishabanu.br@gmail.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
RAGUL D	180071601140	rockr0788@gmail.com	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- ▼ CSC2214C
  - > Participants
  - 🏆 Badges
  - ☑ Competencies
  - 📊 Grades
  - > General
  - > CASESTUDY -DOCUMENT
  - SUBMISSION
  - > BOOK
  - > Unit-2
  - > PHP AND MYSQL
  - > Unit-3
  - > CSC3213CSB
  - > CSX42CSA
  - > CSX42CSB
  - > CSX42CSC

**CSC 2214 Database Management Systems - report of student's engagement in various activities**

## DOCUMENTAL EVIDENCES FOR IMPLEMENTATION OF GREEN INITIATIVES

B.S.Abdur Rahman Crescent Institute of Science and Technology has implemented many initiatives to ensure that the campus is pollution free.

### BICYCLES FOR STUDENTS



Bicycles

### ECO FRIENDLY VEHICLES



Battery Operated Golf cart



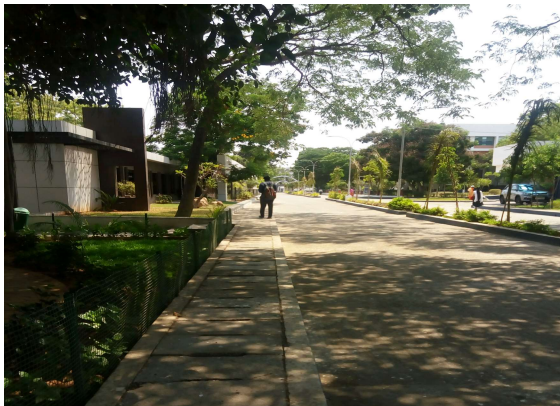
Electric Bike



Latitude: 12.876492  
 Longitude: 80.084114  
 Elevation: 46.84m  
 Accuracy: 15.7m  
 Time: 09-22-2020 15:53  
 Note: vehicles b c

**Eco Friendly Load Vehicle**

**PEDESTRIAN FRIENDLY ROADS**



	Decimal	DMS
Latitude	12.875857	12°52'33" N
Longitude	80.083877	80°5'1" E

2019-05-27(Mon) 10:50(am)

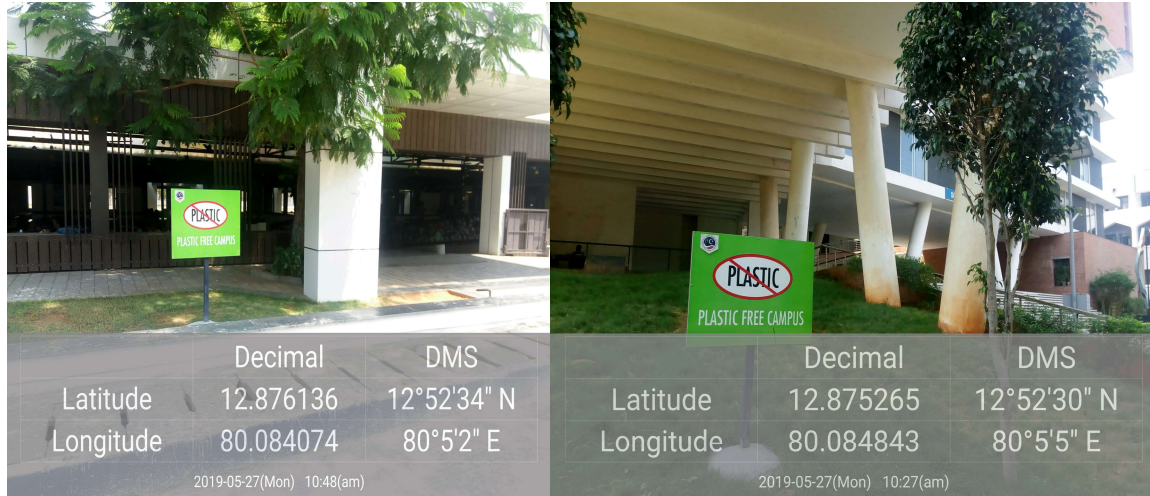


	Decimal	DMS
Latitude	12.87537	12°52'31" N
Longitude	80.083955	80°5'2" E

2019-05-27(Mon) 10:50(am)



## PLASTIC FREE CAMPUS



## GREEN LANDSCAPING WITH TREES AND PLANTS

### GREEN BELT DEVELOPMENT:

The campus had 909 trees before the Vardha cyclone in December 2016. A total of 341 trees were uprooted in the cyclone. 451 trees are newly planted in the last 3 years and are being well maintained. Beema Bamboo Plants 2075 numbers has been planted in whole campus to reduce CO<sub>2</sub>. Now the total number of trees in campus is 3094 Nos. List of trees are available now in our campus and tabulated below

### LIST OF TREES IN CAMPUS

TREE NAME	TOTAL Nos
NEEM TREE	272
PORTIA	51
TAMARIND	22
MANGO TREE	33
BRACKEN TREE	253
COCONUT TREE	48
SPIKELET	145

ASH	40
ARECA	49
CASUARINA	36
SPASMA	6
ALMONDS	18
KING TREE	3
BANYAN TREE	4
PALMYRA	4
TEAK TREE	35
BEEMA BAMBOO PLANTS	2075
<b>TOTAL</b>	<b>3094</b>

### PLANTING TREES IN THE CAMPUS





Plan showing location of new saplings planted in campus

### **OXYZONE CAMPUS – BEEMA BAMBOO PLANTATION**

Planted bamboo saplings for 5000 run area throughout our compound to absorb dust, CO<sub>2</sub> and to release more oxygen and to create pollution free environment. In future, Central bus stand will produce lot of pollution inside our campus, by planting bamboo, our campus become dust free zone with good oxygen supply .Our Institute is provided first OXYZONE inside our campus. Beema Bamboo Plants 2000 nos Planted in whole campus for CO<sub>2</sub> reduction



## OXY PARK

Oxy Park created in the campus opposite to Convention Centre



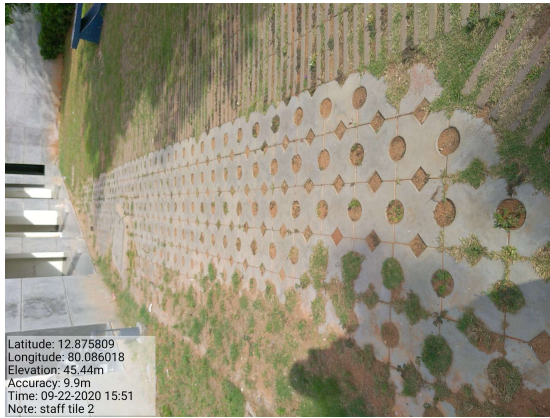
Oxy park

## GREEN BUILDING CERTIFICATION

Sustainable and eco friendly campus development has been adopted with following materials

1. Grasscrete : Method of laying Grass paver flooring ,walkways ,sidewalks and driveways to improve storm water absorption and drainage
2. Ash crete : Fly ash (recycled) content with cement is being used for all Reinforced Cement concrete works.
3. Low - VOC paints: Painting with low VOC less than 50gm/litre is using for all painting works - Nippon and Berger
4. Engineered wood: MDF (Medium Densified Fibre) wood used for interior partition, doors and furniture's.
5. Structural Insulated Panels (SIP): Foam board wall panels are used for prefab structures such as class room and indoor game space.
6. Insulated Concrete Forms: GFRC Technology being adopted to construct parent waiting guest rooms and essential staff quarters.
7. Steel: Steel roof panels (recyclable) used for workshop roofing.
8. Composites: Roof panels made of composite materials such as foam sandwiched between two metal sheets used for prefab class room ceiling.
9. Fibreglass : Fibreglass is also used in insulation in the form of fibreglass batts for interior partition works.

- 10. AAC Blocks: Autoclaved Aerated Concrete blocks (non- toxic product) are used for the construction of all buildings to reduce low environmental impact.
- 11. Thermatek Roof tile: Heat Resistant Terrace tiles are used for all buildings.
- 12. VAV system: Variable air volume HVAC system is adopted to reduce energy consumption



Grass crete



Location of Fixing up of Heat resistant roof tiles

## GBCI-EDGE GREEN BUILDING CERTIFICATION FOR LADIES HOSTEL

THIS CERTIFIES THAT  
**BSA Ladies Hostel: Single Occupant Room**  
**91 Units**  
 HAS ACHIEVED AN  
**EDGE CERTIFICATE**  
 CERTIFICATE NUMBER  
**LP5-IND-17102610011710-91**

Exemplifying achievement in the following areas:

**26%**  
Energy Savings

**28%**  
Water Savings

**63%**  
Less Embodied Energy in Materials

1.73 tCO<sub>2</sub>/unit/year  
Operational CO<sub>2</sub> Emissions  
 0.28 tCO<sub>2</sub>/unit/year  
Operational CO<sub>2</sub> Savings

**Edge** Excellence In Design For Greater Efficiencies

DEVELOPED BY  
**BS Abdur Rahman University**  
 CERTIFIED BY  
**Green Business Certification Inc. (GBCI)**  
*Maheesh Ramamojan*

Maheesh Ramamojan, President and CEO, Green Business Certification Inc.  
 DATE OF ISSUE: 23-APR-2018

**WORLD BANK GROUP**  
 THE WORLD BANK IFC International Finance Corporation  
**GBCI**

THIS CERTIFIES THAT  
**BSA Ladies Hostel: Triple Occupants Room**  
**28 Units**  
 HAS ACHIEVED AN  
**EDGE CERTIFICATE**  
 CERTIFICATE NUMBER  
**LP5-IND-17102610011711-28**

Exemplifying achievement in the following areas:

**27%**  
Energy Savings

**27%**  
Water Savings

**61%**  
Less Embodied Energy in Materials

2.37 tCO<sub>2</sub>/unit/year  
Operational CO<sub>2</sub> Emissions  
 0.31 tCO<sub>2</sub>/unit/year  
Operational CO<sub>2</sub> Savings

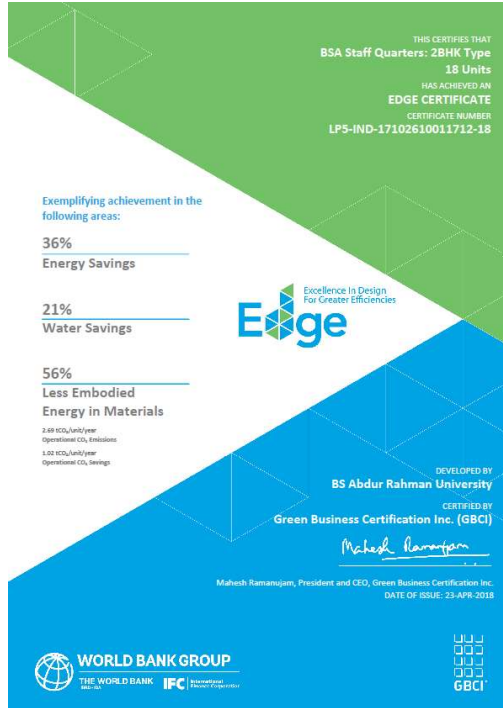
**Edge** Excellence In Design For Greater Efficiencies

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Maheesh Ramamojan, President and CEO, Green Business Certification Inc.  
 DATE OF ISSUE: 23-APR-2018

**WORLD BANK GROUP**  
 THE WORLD BANK IFC International Finance Corporation  
**GBCI**

## GBCI- EDGE CERTIFICATE FOR STAFF QUARTERS



## CRESCENT SCHOOL OF ARCHITECTURE BLOCK, IS DESIGNED AS A NET ZERO ENERGY BUILDING AND REGISTERED UNDER USGBC-LEED GOLD CERTIFICATION



Crescent School of Architecture

## ALTERNATE ENERGY INITIATIVES

B.S.Abdur Rahman Crescent Institute of Science and Technology undertakes initiatives to obtain energy from various natural resources. The Institute is pioneer in establishing renewable energy sources to meet the energy requirement of the campus.

- Three Roof top solar power plants of total capacity of 650 kWp (against the sanctioned demand of 1100 KW)are installed in our campus.
- Biogas plant is also installed in our campus

### SOLAR PANEL INSTALLED AT ROOF TOP IN VARIOUS BLOCKS



Roof top Solar power plant



## BIOGAS PLANT



Biogas plant

## ENERGY CONSERVATION INITIATIVES

### LED Fixtures:

LED light fixtures are being extensively used for all new interior renovation works in the campus. So far, 50.87KW capacity of LED lights are fixed



## ARCHITECTURE BLOCK

The details of LED fixtures in the campus is given below

SL NO	BUILDING	QTY	TOTAL WATTS
1	AUDITORIUM	156	2059
2	SCIENCE BLOCK	250	2829
3	AERO BLOCK	458	5064
4	MAIN BLOCK	42	602
5	MBA BLOCK	23	597
6	FIRST YEAR BLOCK	7	105
7	LIFE SCIENCE BLOCK	80	1818
8	STAFF QUARTERS	341	4295
9	LADIES HOSTEL	284	3974
10	CAMPUS STREET LIGHT	136	3730
11	MEDICAL	21	309
12	PHARMACY	13	601
13	GM OFFICE	27	510
14	CANTEEN	29	682
15	VC OFFICE	72	450
16	VC VILLA	27	193
17	GUEST HOUSE	17	280
18	DRIVERS CABIN	8	120
19	STAFF QUARTERS	5	45
20	SPORTS LIGHTING	29	5800
21	HR OFFICE	5	60
22	PARANTS WAITING HALL	12	166
24	NEW ARCHITECTURE BLOCK	588	10288
25	CIVIL YARD CLASS ROOMS	30	450
26	CSB ROOM MENS HOSTEL	32	480
27	ROBOTICS LAB	22	280
28	RESEARCH SCHOLAR ROOM CHEMISTRY	4	144
29	FOOD WASTE MANAGEMENT PLANT	8	220
30	SOLAR STREET LIGHT	10	250
31	MENS HOSTEL	182	1166
32	MBA PHASE 1	49	595
33	MBA PHASE 2	80	588
34	COMPUTER SCIENCE LAB	24	250
35	PURCHASE OFFICE (EO)	2	30
36	CIIC BLOCK	88	1624
37	CIIC 2ND FLOOR STUDIO	13	225
<b>TOTAL</b>		<b>3174</b>	<b>50879</b>

## PASSIVE INFRARED MOTION SENSOR LIGHTS

Motion Sensor lights provided in Computer Science Block lab, Auditorium 1st floor Gents toilet and higher officials cabin for energy savings



## SOLAR STREET LIGHTS:

Solar street lights are provided towards the staff quarters to Men's hostel road and Architecture block area.



## SOLAR WATER HEATERS



**Men's Hostel**



**Ladies Hostel**



**New Staff Quarters**

## BEE 5-STAR RATED AIR CONDITIONER

With an emphasis to energy conservation, all split AC units purchased since the year 2012 are of BEE 5-star energy rating. The AC units are free from ozone-depleting CFC

MODEL	QTY	TON
1.0 TON Split Inverter	17	17
1.5 Ton Split 5*	29	44
2.0 Ton Split 5*	71	142
<b>TOTAL</b>	<b>117</b>	<b>203</b>

## WATER CONSERVATION INITIATIVES

### RAIN WATER HARVESTING

Rain water harvesting facility is done in all blocks to collect rain water from the terrace. The harvested water is diverted to open wells in university campus Men's Hostel and ladies hostel. The rain water is also stored in Underground sumps of Life Science block, Mechanical Science Block, Architecture Block, Pharmacy block & Computer Science Block.



**FILTER UNIT IN RAINWATER HARVESTING SYSTEM  
(ARCHITECTURAL BLOCK)**



**RAINWATER COLLECTION SUMP (ARCHITECTURAL BLOCK)**

The details are listed below.

<b>Rain water harvesting details</b>				
<b>S.no</b>	<b>Inlet pit detail</b>	<b>Area (sq. m)</b>	<b>Rain water filter capacity ( Litres)</b>	<b>Location</b>
1	Inlet pit-1	156	200	Mechanical Science Block
	Inlet pit-2	122	200	
	Inlet pit-3	296	300	
	Inlet pit-4	175	200	
	Inlet pit-5	243	300	
2	Inlet pit-1	191	200	Ladies Hostel-New Block
	Inlet pit-2	188	200	
	Inlet pit-3	132	200	
3	Inlet pit-1	68	100	New Staff quarters
	Inlet pit-2	65	100	
	Inlet pit-3	81	100	
	Inlet pit-4	66	100	
	Inlet pit-5	81	100	
	Inlet pit-6	66	100	
4	Inlet pit-1	61	100	Men's Hostel-A&B BLOCK
	Inlet pit-2	71	100	
	Inlet pit-3	43	100	
	Inlet pit-4	132	200	
	Inlet pit-5	132	200	
	Inlet pit-6	43	100	
	Inlet pit-7	71	100	
	Inlet pit-8	61	100	
5	Inlet pit-1	297	300	Men's Hostel -C& D BLOCK
	Inlet pit-2	297	300	
6	Inlet pit-1	71	100	Men's Hostel -PG BLOCK
	Inlet pit-2	71	100	
	Inlet pit-3	71	100	
	Inlet pit-4	71	100	
	Inlet pit-5	71	100	
	Inlet pit-6	71	100	
	Inlet pit-7	71	100	
	Inlet pit-8	71	100	
7	Inlet pit-1	275	300	Pharmacy Block
8	Inlet pit-1	340	300	Library Block

## SEWAGE TREATMENT PLANT – 500KLD

2 nos. of Sewage treatment plants of 250KLD capacity are available, one for Men's Hostel and one for Institute campus. The STP is of Eco-Bio Block type. The treated water is used for landscaping and toilet flushing purpose.

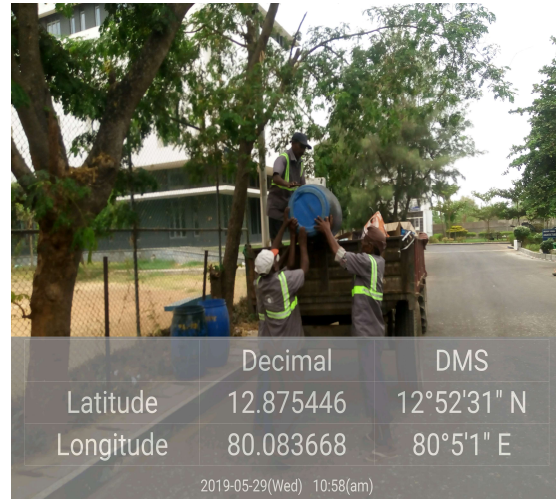
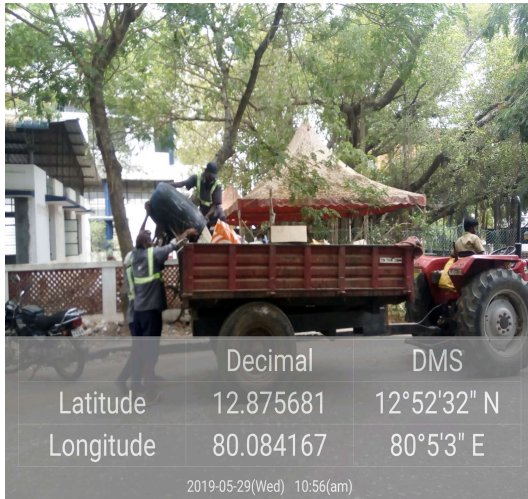
The sewage treatment plant is working on the principle of attached growth aerobic system (Eco-Bio bricks) followed by sand filter and carbon filter. The treated water is having a COD about 100 mg/L and BOD about 16 mg/L.



## SEWAGE TREATMENT PLANT

## SUSTAINABLE SOLID WASTE MANAGEMENT

### COLLECTION OF SOLID WASTE





## SEGREGATION OF SOLID WASTE



## RECOVERY OF RECYCLABLE WASTE



The solid waste management project is intended to safely dispose the waste generated at the campus by way of segregating the waste as organic waste, recyclable waste and inert waste and processing the waste thus segregated.

### **ECOBIN (250 KGS / DAY)**

250Kg Ecobin is installed in BSACIST for the management of Food Waste. Food waste after segregation is loaded and mixed with 10-15% of saw dust +0.1% Bioculum. Around 30,735kgs of compost collected till July 2020 and used for fertilising the soil by toping up in the soil.



**ECO BIN**

## **CSIR - CLRI SPONSORED PROJECT – BIOGAS PLANT 500 KGS/DAY (ON GOING)**

Establishment of new Biogas plant 500kg/day at Men's Hostel



Erection & commissioning stage

Biogas Plant 500 kgs/day from CSIR-CLRI, Govt. of India, Chennai funded by DST New Delhi in collaboration with KANKYO Technologies.

To handle the food waste generated from hostel kitchens and canteens

It will generate 15-20 m<sup>3</sup>/day gas from the plant and the same will be utilized for our cooking needs at Hostel kitchens and Canteens.

The total cost of project is 35 lakh. (Crescent Contributed 10 lakh)

## GARBAGE INCINERATOR

- Garbage Incinerator machine installed in our campus / solid waste management yard with 50kg/hr capacity reducing waste product to inert ash.
- Daily generation 500kg/day and generated fly ash being used as manure.
- Incinerated item will be less than 10% of their original bulk when reduced to ash
- Use for incinerator of waste paper, tea cup, Dry garbage and kitchen dry waste.
- Transport cost from point of work generation to disposal site are dramatically reduced.
- Around 12,815Kg generated till July 2020 as an alternate solution to landfill



Latitude: 12.872672  
Longitude: 80.086378  
Elevation: 53.19m  
Accuracy: 3.8m  
Time: 09-22-2020 15:34  
Note: incinerator 2



Latitude: 12.872672  
Longitude: 80.086378  
Elevation: 53.19m  
Accuracy: 3.8m  
Time: 09-22-2020 15:39  
Note: incinerator 2

## GARBAGE INCINERATOR

## INCINERATOR

Incinerator machine has been installed to dispose sanitary napkins. Separate bins are provided in all ladies toilets in university and in Ladies Hostel to separate the napkins from other waste. Wet scrubber is attached at the outlet of burner where the fumes gets scrubbed in water and gets filtered to remove the harmful emissions.




**INCINERATOR**



**HANDLING OF INCINERATOR**

## CERTIFICATE FOR E WASTE RECYCLING

  
RECYCLING (P) LTD.

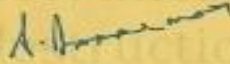

**Certificate Of Destruction And Disposal**

For e-waste  
**B.S Abdur Rahman University**  
Vandalur, Chennai 600 048

Date of Disposal: 18-4-17  
Quantity: 1629 kgs  
Reprocessing facility: GEMS, Kancheepuram

*This is to certify that 1629 Kgs of electrical and electronic waste disposed from B.S Abdur Rahman University, dated 20/3/2017 has been reprocessed at GEMS Recycling Private Limited, Neervallur Village, Kancheepuram Dist, Tamilnadu. All the e-waste materials were recycled as per Govt. norms in an eco-friendly manner.*

*Certified by, Mannar Mannan, Managing Director*

Factory Address: No.147/A, Opp. L&T Construction Skills Training Institute,  
Neervallur Village, Near Sriperumbudur, Kanchipuram District - 631561.  
e-mail: [contact@globalewastemanagement.com](mailto:contact@globalewastemanagement.com)  
Website: [www.globalewastemanagement.com](http://www.globalewastemanagement.com)  
Mobile : 09345655556 Toll Free: 1800 426 5556

## CERTIFICATE FOR DESTRUCTION OF E WASTE



*Handwritten signature/initials*

### Certificate of Destruction

COD No: VGIN170336  
 CPCB REG No: B-29016(1881)/1(Reg) 10/HWMD

**Company Name:** M/s. BS Abdur Rahman Crescent Institute  
 Of Science & Technology,  
**Company Address:** Seethakathi Estate,  
 Vandalur, Chennai.  
**Company Ref:** GP No: 6493  
**Date Collected:** 14/12/2017  
**Date Received:** 14/12/2017  
**GRN No:** VGIN-0555  
**Date of Destruction:** 28/12/2017

This document certifies that all the below mentioned items were received and processed in an environmentally responsible manner by **Virogreen India Private Limited ., Chennai**

This further certified that the items identified below had been properly disposed in an environmentally responsible manner, utilizing the process and equipment available in accordance with the Company procedures or written instructions where applicable. This "Certificate Of Destruction" is issued based on a series of specific activities; including collection, identification, separation and treatment by mechanical process or manual means, whereby material elements are destructed from the "ITEMS" for use in the form of raw materials and is deemed no longer fit for original intended purpose, and recycled wherever possible.

Index	Description	Qty Kgs
1	E-Waste Scrap	701

**Person Incharge:** A. Mariaponraj  
**Designation:** Warehouse Manager  
**Date:** 28/12/2017



Factory : S/No.297/1B-2, No.49, Pappankuppam Village, S.R.Kandigai Road, Gummidipoondi - 601 201  
 Thiruvallur Dist, Tamil Nadu, India. (CIN No: U52392TN2002PTC049211) Phone: +91 - 44-65485915.  
 Fax: +91-44-2651 2449, Mob: +91 99408 31313,  
 Email: reachus@virogreen.in



## CERTIFICATE FOR DESTRUCTION OF E WASTE



**VIROGREEN**  
www.virogreen.in

Your Trust is Our Success.

### Certificate of Destruction

COO No: VGIN170336  
 CPCB REG No: S-29016(1881)/1(Reg) 10/HWMD

**Company Name:** M/s. BS Abdur Rahman Crescent Institution  
 Of Science Technology,  
**Company Address:** Vandalur, Chennai.  
**Company Ref:** GP No: 6493 from Seerhakathi Estate office  
**Date Collected:** 14/12/2017  
**Date Received:** 14/12/2017  
**GRN No:** VGIN-0555  
**Date of Destruction:** 28/12/2017

This document certifies that all the below mentioned items were received and processed in an environmentally responsible manner by **Virogreen India Private Limited., Chennai**

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Index	Description	Qty Kgs
1	L-Waste Scrap	701

**Person Incharge:** A. Mariponraj  
**Designation:** Warehouse Manager  
**Date:** 28/12/2017



Factory : S/Ro.207/1B-2, No.49, Papperussalam Village, S.V. Kandigal Road, Gunderampore - 601121  
 Thiruvallur Dist, Tamil Nadu, India. (CIN No: L52392TN2002TTCD19211) Phone: +91 - 44-65485915.  
 Fax: +91 44-26512448, Mob: +91 99408 31413,  
 Email: roachus@virogreen.in





## CERTIFICATE FOR DESTRUCTION OF BIO MEDICAL WASTE



# GJ Multiclave (India) Pvt. Ltd.

(Biomedical Waste Management & Handling Service)

TO WHOM SO EVER IT MAY CONCERN

Destruction Certificate

Date: 19.05.2017

This is to certify that we have destroyed (incineration & treated ETP) the Bio Medical waste /Discarded/Contaminated & Expired Medicine collected from BS ABDUR RAHMAN CRESCENT UNIVERSITY ESRD, U/S OF THE UGC ACT, 1956, GST Road, Vandalur, Chennai - 600 048, Received on 16.05.2017 at our site - No. 245, Thenmelpakkam Village, Chengalpet Taluk, Kancheepuram District, T.N. as per TNPCB norms.

Total Quantity destroyed is 40.500kgs.

For G.J MULTICLAVE (INDIA) PVT.LTD

Authorized Signatory



Regd. Office : New No. 37, Old No. 20, Teachers Colony, Kamarajar Avenue, Adyar, Chennai - 600 020.  
Ph : 044-2445 1683. Email : chennaictf@hotmail.com  
Website : www.gjmulticlave.com

## CERTIFICATE FOR SANITATION

**DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE**  
**SANITARY CERTIFICATE**  
(Under the Tamilnadu Education Rules)  
Appendix - 3  
(Chapter III Rules - 24)

I hereby declare that I have inspected the **B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY**, located at G.S.T. Road, Vandalur, Chennai-600048, Chengalpattu Taluk, Kancheepuram District -as been inspected on 13<sup>th</sup> Wednesday November 2019 and certify

- ❖ That the accommodation provided for each of the several division is sufficient and is properly ventilated and lighted.
- ❖ That the building is maintained in substantial repair.
- ❖ That is neat and clean.
- ❖ That the supply of drinking water is wholesome.
- ❖ That the latrine and urinal arrangements are adequate for both sex and good.
- ❖ That in all other necessary aspects the sanitation is good.

**Conditions:**

- ❖ The College Authority should banned the Cigarette and other Tobacco products in the campus and visible board to be displayed – COTP Act 2003.
- ❖ This certificate is valid for one year from the date of issue.

R. No. : 4807 / A2 / 2019  
Dated : 15.11.2019

*G. Sabarathin*  
Block Health Supervisor,  
Kattankulathur Block,  
Nandhivaram - 603 202




**COUNTERSIGNED**

*Spalapati 15/11/19*  
**DEPUTY DIRECTOR OF HEALTH SERVICES,  
KANCHEEPURAM DISTRICT,  
SAIDAPET @ CHENGALPATTU**

To

**The Principal,  
B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY,  
G.S.T. Road, Vandalur, Chennai-600048,  
Chengalpattu Taluk,  
Kancheepuram District.**

## CERTIFICATE FROM AIR PORT AUTHORITY OF INDIA

	<b>भारतीय विमानपत्तन प्राधिकरण</b> <b>AIRPORTS AUTHORITY OF INDIA</b>	
<b>B. S. ABDUR RAHMAN UNIVERSITY</b> Seethakathi Estate, Vandalur, Chennai- 600 048.	Date: 03-10-2019	
<b>System Generated Auto Assessment for Height Clearance</b>		
1. Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.		
2. Assessment details for Height Clearance:		
NOC ID :	<b>CHEN/SOUTH/B/092419/431410</b>	
Applicant Name*	<b>S Sathya Narayanan</b>	
Site Address*	<b>Multi Storied Aeronautical Block at Survey Nos. 292, 293, 294, 295, 296, 297</b>	
Site Coordinates*	<b>12 52 29.43N 80 05 04.55E, 12 52 29.77N 80 05 05.73E, 12 52 31.15N 80 05 05.91E, 12 52 28.41N 80 05 06.97E, 12 52 29.23N 80 05 07.38E</b>	
Site Elevation in mtrs AMSL as submitted by Applicant*	<b>37.83 M</b>	
Type Of Structure*	<b>Building</b>	
*As provided by applicant		
<b>Your site is located at a distance 16509 mts from ARP and lies in the grid S7 of the published CCZM of Chennai airport. The Permitted top elevation for this grid is 95 mts.</b>		
<b>Since the requested top elevation 72.88 mts in AMSL is below CCZM permitted top elevation, the NOC for height clearance is not required from Airports Authority of India.</b>		
3. This assessment is subject to the terms and conditions as given below:		
a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one provided by the applicant, this assessment will become invalid.		
b. The Site coordinates as provided by the applicant in the NOC application has been plotted on the street view map and satellite map as shown in ANNEXURE. Applicant/Owner to ensure that the plotted coordinates corresponds to his/her site. In case of any discrepancy, this assessment shall be treated as null and void		
c. Airport operator or his designated representative may visit the site (with prior coordination with applicant or owner) to ensure that assessment terms & conditions are complied with.		
d. The assessment is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.		
राजीव गांधी भवन Rajiv Gandhi Bhawan	सफ़दरजंग हवाई अड्डा नई दिल्ली-110003 Safdarjung Airport, New Delhi-110003	फ़ोन नं. : 24632950 Phone : 24632950





भारतीय विमानपत्तन प्राधिकरण  
AIRPORTS AUTHORITY OF INDIA

- e. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.
- f. Use of oil, electric or any other fuel which does not create smoke hazard for flight operations is obligatory, within 8 KM of the Aerodrome Reference Point.
- g. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC for Defence, if the site lies within jurisdiction of Defence Airport. Applicants also need to seek clearance from state Govt. as applicable, for sites which lies in the jurisdiction of unlicensed civil aerodrome as outlined in Rule 13 of GSR751 (E).

*This assessment is system auto generated and thus does not require any signature*

Designated Officer
Region Name: SOUTH
Address: General Manager Airports Authority of India, Regional Headquarter, Southern Region, Chennai Airport, Chennai-600027 (Tamil Nadu)

Email ID: vommm.noc@aai.aero

Contact No: 044-22560046

*(TRUE COPY)  
AS VERIFIED WITH RECORDS - WEBSITE OF  
AIRPORTS AUTHORITY OF INDIA*



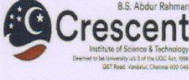
*Brooooooppy*  
5/10/19  
M. NALLA THAMBI, M.A., M.L.,  
ADVOCATE & NOTARY PUBLIC  
COMMISSIONER OF OATHS  
No. 12, E.V.R. STREET,  
MEENAMBAKKAM  
CHENNAI-600027

राजीव गांधी भवन  
Rajiv Gandhi Bhawan

सफदरजंग हवाई अड्डा नई दिल्ली-110003  
Safdarjung Airport, New Delhi-110003

दूरभाष : 24632950  
Phone: 24632950

## CERTIFICATE FOR FOOD SAFETY (MEN'S HOSTEL)



B.S. Abdur Rahman  
**Crescent**  
Institute of Science & Technology  
 Deemed to be University u/s of the UGC Act, 1956  
 GST Road, Vandalur, Chennai 600 048

BSAU Facilities <facilities@crecident.education>

---


### License Generated - FSSAI Food Licensing & Registration System

licensing@fssai.gov.in <licensing@fssai.gov.in>  
 To: facilities@crecident.education


Sat, May 18, 2019 at 5:09 PM

Dear CSC Guduvancheri,

FSS License Number - 12419008001353 has been issued.



தமிழ்நாடு அரசு  
 தமிழ்நாடு உணவு பாதுகாப்பு மற்றும் மருந்து நிர்வாகத்துறை  
 (உணவு பாதுகாப்பு பிரிவு)  
**Government of Tamil Nadu**  
**Tamil Nadu Food Safety and Drug Administration Department**  
 (Food Safety Wing)



படிவம் 'சி' - உரிமம் / FORM 'C' - LICENSE  
 (ஒழுங்குமுறைகள் 2.1.4 (6) பார்க்க) - (See Regulation 2.1.4 (6))  
 உணவு பாதுகாப்பு மற்றும் தரங்கள் சட்டம், 2006-ன் கீழ் வழங்கப்படும் உரிமம்  
**LICENSE UNDER FOOD SAFETY AND STANDARDS ACT, 2006**

உரிமம் எண் / License No. : 12419008001353

1. Name & Registered Office Address of Licensee / உரிமத்திற்கான பதிவு பெற்ற அலுவலகத்தின் பெயரும் முகவரியும்: K B A MEN'S HOSTEL [Quoted text hidden]
2. Address of Authorized Premises / உரிமம் அங்கீகரிக்கப்பட்ட முகவரி: CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY GST ROAD VANDALUR, Kattankulathur block, Kancheepuram(Tamil Nadu) -600048
3. Kind of Business / வணிகத்தின் வகை: Food vending Establishment
4. For dairy business details of location with address and No capacity of Milk Chilling Centers (MCC)/Bulk Milk Cooling Centers (BMCs) /Milk Processing Units/Milk Packaging Unit owned by the holder of licensee/Registration Certificate /உரிமதாரருக்கு பதிவுபெற்ற வணிகருக்கு சொந்தமான சிறிய அளவில் பால் குளிரூட்டும் மையம்/அதிக அளவில் பால் குளிரூட்டும் மையம்/பால் பதப்பதனிடும் பிரிவு/பால் பொட்டலம் செய்யுமிடம் ஆகியவற்றின் இருப்பிட முகவரி மற்றும் நிறுவப்பட்ட மையத்தின் கொள்ளளவு :  
  
 Location With Address / இருப்பிட முகவரி :  
 Capacity /மையத்தின் கொள்ளளவு (லிட்டரில் ):
5. Category of License / உரிமத்தின் வகை : State

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee. / உணவு பாதுகாப்பு மற்றும் தரங்கள் சட்டம், 2006-ன் கீழ் உரிமதாரர் முழுமையாக கடைபிடிக்க வேண்டிய அச்சட்டப்பிரிவுகளுக்குட்பட்டு இந்த உரிமம் வழங்கப்படுகிறது.

6. Validity Of License / உரிமத்தின் செல்லத்தக்க காலவரையறை : From 18052019 To 17052020

## CERTIFICATE FOR FOOD SAFETY (WOMEN'S HOSTEL)



**Crescent**  
Institute of Science & Technology

BSAU Facilities <facilities@crescent.education>

---

**License Generated - FSSAI Food Licensing & Registration System**

licensing@fssai.gov.in <licensing@fssai.gov.in>  
 To: facilities@crescent.education

Sat, Jun 22, 2019 at 8:18 PM

Dear CSC Guduvancheri,

FSS License Number - 12419008001762 has been issued.



தமிழ்நாடு அரசு  
 தமிழ்நாடு உணவு பாதுகாப்பு மற்றும் மருந்து நிரவாகத்துறை  
 (உணவு பாதுகாப்பு பிரிவு)  
 Government of Tamil Nadu  
 Tamil Nadu Food Safety and Drug Administration Department  
 (Food Safety Wing)

படிவம் எண்: உரிமம் / FORM 'C' - LICENSE  
 ஒழுங்குமுறைகள் 2.1.4-பாக்கம் - (See Regulation 2.1.4 (6))  
 உணவு பாதுகாப்பு மற்றும் தரங்கள் சட்டம், 2006-ன் கீழ் வழங்கப்படும் உரிமம்  
 LICENSE UNDER FOOD SAFETY AND STANDARDS ACT, 2006



உரிமம் எண் / License No. 1241906000762

1. Name & Registered Office Address of Licensee / உரிமத்திற்கான பதில் பெற்ற அலுவலகத்தின் பெயரும் முகவரியும்: T B A K WOMEN'S HOSTEL  
 CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY GST ROAD  
 VANDALUR, Kancheepuram (Tamil Nadu) - 600048
2. Address of Authorized Premises / உரிமம் அங்கீகரிக்கப்பட்ட முகவரி: CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY GST ROAD  
 VANDALUR, Kattankulathur block, Kancheepuram(Tamil Nadu) -600048
3. Kind of Business / வணிகத்தின் வகை: Food vending Establishment
4. For dairy business details of location with address and capacity of Milk Chilling No. Centers (MCC)/Bulk Milk Cooling Centers (BMCs) /Milk Processing Units/Milk Packaging Unit owned by the holder of licensee/Registration Certificate / உரிமதாரருக்கு பதில்பெற்ற வணிகருக்கு சொந்தமான சிறிய அளவில் பால் குளிர்சட்டும் மையம் அதிக அளவில் பால் குளிர்சட்டும் மையம் பால் பதயதனிடும் பிரிவு பால் பொட்டலம் செய்யப்டிடும் ஆகியவற்றின் இருப்பிட முகவரி மற்றும் நிறுவப்பட்ட மையத்தின் பெயர்களையும்: Location With Address : இருப்பிட முகவரி  
 Capacity /மையத்தின் கொள்ளளவு (லிட்டரில்) :
5. Category of License / உரிமத்தின் வகை: State

This license is granted under and is subject to the provisions of FSS Act, 2006 all of which must be complied with by the licensee. / உணவு பாதுகாப்பு மற்றும் தரங்கள் சட்டம், 2006-ன் கீழ் உரிமதார முழுமையாக கடைபிடிக்க வேண்டிய அச்சட்டப்பிரிவுகளுக்குட்பட்டு இந்த உரிமம் வழங்கப்படுகிறது.

6. Validity Of License / உரிமத்தின் செல்லத்தக்க காலவரையறை: From 22062019 To 21062020



Place/ இடம் : Kancheepuram  
 Date நாள் : 22/06/2019

Dr.T.Amuradha  
 Designated Officer

Validation And Renewal / செல்லத்தக்கவும், புதுப்பித்தலும்

Issue / Renewal Date புதுப்பித்தல் தேதி	Period of validity செல்லுபடியாகும் காலம்	License Fee Paid செலுத்தப்பட்ட உரிம கட்டணம்	Items of Food products authorized to Manufacture/ Re-pack/ Re-label	Installed handling Capacity நிறுவப்பட்ட/ கையாளுதல் கொள்ளளவு	Signature Of Designated Officer நியமிக்கப்பட்ட அதிகாரி கையொப்பம்
22/06/2019	21/06/2020	Rs.2000	Please refer to annexure for details.	Please refer to annexure for details	

Note : This is a system generated license and does not require any signature.

Product Annexure



தமிழ்நாடு அரசு  
 தமிழ்நாடு உணவு பாதுகாப்பு மற்றும் மருந்து நிரவாகத்துறை  
 (உணவு பாதுகாப்பு பிரிவு)  
 Government of Tamil Nadu



## CERTIFICATE FOR FIRE SAFETY

### TAMILNADU FIRE AND RESCUE SERVICE FIRE LICENSE

Under section 13 of the Tamilnadu Fire Service Act No. 40 of 1985 and with Tamilnadu Fire Service Rules 1990- Appendix III

License No: 975 /2019  
L.Dis No: 6303/B/2019

Date: 17/05/2019

23/5

License is hereby granted under section 13 of the Tamil Nadu Fire Service Act 1985 for other items running Computer Science Block Library (Mention whichever is applicable) Within the Jurisdiction of VANDALUR Village/ Panchayat in the Name of Company M/S. B.S. ABDUL RAHMAN UNIVERSITY, SEETHAKATHI ESTATE, S.No. 293/3, G.S.T ROAD, VANDALUR, CHENGALPATTU TALUK, KANCHIPURAM DISTRICT. Subject to Conditions noted thereon and such other conditions as may be prescribed. The inspection was done by Asst. District Officer, Kanchipuram, on 03.05.2019. This License is valid up to 4/05/2020.

#### CONDITIONS

1. As per National Building Code of India 2016 Fire and Life Safety, Periodical maintenance and care should be taken to all fire protection equipments with good working condition at all times and a register should be maintained.
2. The First aid fire fighting equipments should be maintained at all floors in accordance with the IS 2190:2010 requirements.
3. Staffs should be trained in preliminary fire fighting as per G.O.No:713 Home (Police-17), Dated:17.08.2005 with Fire and Rescue Services Department.
4. Fire drill should be conducted at least once in every six months with the local Fire and Rescue Service authorities and a permanent register should be maintained in part-I
5. This Licence is valid for one year from the date of issue.
6. The applicant will also get permission/No objection certificate from other department if necessary.
7. Regular Licence has to be obtained from competent authority.
8. If there is any deviation from the Govt.Rule and Act the licence issued will stand cancelled.
9. All the Fire Extinguishers have to be recharged and maintained periodically as per code practice in 2190/2010.
10. Advise to train the employee to operate the fire Extinguisher.

(Office Seal)



*[Handwritten Signature]*  
District officer,  
Fire and Rescue Services,  
Kanchipuram.

To:  
M/s. B.S. Abdul Rahman University,  
Seethakathi Estate,  
S.No. 293/3, G.S.T Road,  
Vandalur, Chengalpattu Taluk,  
Kanchipuram District.

Copy to: The Deputy Director, Fire and Rescue Services,  
North-Western Region, Vellore.

## CERTIFICATE FOR WATER QUALITY



### EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory  
 An ISO 9001 : 2008 and OHSAS 18001 : 2007 Certified Company  
 No.R-7/1, AVK Tower, North Main Road, Anna Nagar West Extn., Chennai - 600 101. India  
 Phone : 044 - 2615 3349 / 4856 2349 Mobile : 9444411178  
 E-mail : ekdantlab@gmail.com / info@ekdantlab.co.in  
 Web : www.ekdantlab.co.in

TEST REPORT						
Sample Ref No : EES/W/141/08			Report No. : 451/08			
Issued To: M/s. B.S. Abdur Rahman Crescent University, Seethakathi Estate, G.S.T Main Road, Vandalur, Chennai-600 048.			Report Date : 28.08.19 Page: 1 of 2			
Sample Description : Water			Received On : 23.08.19			
Sample Drawn By/ Date : EES / 23.08.19			Commenced On : 23.08.19			
Customer's Reference : Letter Dated on 23.08.19			Completed On : 28.08.19			
Sample Mark : Raw Water						
Sampling Procedure : EES/QM/MSP/02						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 <sup>rd</sup> Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance When Analyzed After Filtration	-	Clear	-	-	-
2	pH value at 25°C	-	7.43	6.5 - 8.5	6.5 - 8.5	4500 H° B
3	Color	Hazen	5.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983 R.2012
5	Turbidity	NTU	0.4	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	2716	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BDL (DL=1.0)	-	-	IS:3025: P.17:1984:R.2012
8	Total Dissolved Solids	mg/l	1780	500	2000	IS 3025:P.16:1984:R.2012

---End of Page 1---



- NOTE:
1. Test results shown in this test report relate only to the items tested.
  2. This test report shall not be reproduced anywhere except in full and in same format without the approval of the laboratory.
  3. Unless informed by the customer the test items will not be retained for more than 10 days from the date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)







## EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory

An ISO 9001 : 2008 and OHSAS 18001 : 2007 Certified Company

No.R-7/1, AVK Tower, North Main Road, Anna Nagar West Extn., Chennai - 600 101. India

Phone : 044 - 2615 3349 / 4856 2349 Mobile : 9444411178

E-mail : ekdantlab@gmail.com / info@ekdantlab.co.in

Web : www.ekdantlab.co.in

TEST REPORT					
Sample Ref No. : EESM/141/08			Report No. : 451/08		
Issued To: M/s. B.S. Abdur Rahman Crescent University, Seethakathi Estate, G.S.T Main Road, Vandalur, Chennai-600 048.			Report Date : 28.08.19 Page: 1 of 1		
Sample Description : Water			Received On : 23.08.19		
Sample Drawn By/ Date : EES/ 23.08.19			Commenced On : 23.08.19		
Customer's Reference : Letter Dated on 23.08.19			Completed On : 28.08.19		
Sample Mark : Raw Water					
Sampling Procedure : EES/SOP/MB/006					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	140	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	30	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
MPN- Most Probable Number					

---End of Report---



*S. Ramesh Indri*  
 Authorized Signatory

- NOTE: 1. Test results shown in this test report relate only to the items tested.  
 2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory  
 3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)

## **AWARDS & ACHIEVEMENTS OF THE INSTITUTE**

- Mahatma Gandhi National Council of Rural Education Department of Higher Education, Ministry of Education Government of India has certified B.S. Abdur Rahman Crescent Institute of Science & Technology, Chengalpattu, has a **Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution**. The Institution has successfully framed the SES REC Action Plan and constituted ten working groups for improving facilities in the Campus and the Community/Adopted Villages in the areas of Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery post COVID-19.
- Our Institute has been participated in MHRD Swachta Ranking 2017, 2018 & 2019 for Higher Educational Institutions.
- Our institute has been ranked **"5" amongst the "Cleanest Higher Educational Institutions" in the country, in the category - "Residential University"** and the award was presented by the MHRD Minister/Secretary, Government of India on 3rd December 2019 at New Delhi.
- Our institute has been awarded by AICTE for the significant contribution in the **"Clean & Smart Campus Award 2019"**
- Our institute has been awarded by AICTE for the significant contribution in the **"Jal Sakthi Abhiyan "**
- Our institute has been awarded by AICTE for the significant contribution in the **" One Student One Tree" Scheme.**
- Our Institute has received the **ASSOCHAM award "University of the year for Eco-Friendly Sustainable Campus"** for its eco-friendly self-sustaining efforts in conserving the environment. The award was presented by Dr. Mahendra Nath Pandey, Hon'ble Minister of Skill Development and Entrepreneurship. Govt. of India.



सत्यमेव जयते

# Certificate



*This is to certify that **B.S. Abdur Rahman Crescent Institute of Science & Technology**, Chengalpattu, Tamil Nadu is now a **Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution**. The Institution has successfully framed the SES REC Action Plan and constituted ten working groups for improving facilities in the Campus and the Community/Adopted Villages in the areas of **Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery** post COVID-19, along with the observation of three environment, entrepreneurship and community engagement related days to inculcate in faculty, students and community, the practices of **Mentoring, Social Responsibility, Swachhta and Care for Environment and Resources**.*

Date of Issue:  
29/08/2020

  
Dr. W G Prasanna Kumar  
Chairman

Mahatma Gandhi National Council of Rural Education  
Department of Higher Education, Ministry of Education  
Government of India


Certificate No.: MoE/SES REC/TN/CHE/63



Ministry of Human Resource Development  
Government of India

# Swachh Campus Ranking 2019 of Higher Educational Institutions

The.....**B.S. Abdur Rahman Institute of Science & Technology, Tamil Nadu**.....has been ranked  
.....**Fifth**.....amongst the cleanest Higher Educational Institutions in the  
Country in the category.....**Residential University - AICTE**.....and was  
awarded on 3<sup>rd</sup> December, 2019 at Prajnan (Auditorium), AICTE, New Delhi


  
R. Subrahmanyam

Secretary, Department of Higher Education,  
Ministry of Human Resource Development, Govt. of India

This is a Green Certificate



This award is in the form of a sapling planted by AICTE to increase green cover on Mother Earth in recognition of the institute's performance. We take responsibility for nurturing the plant which can be viewed by scanning the QR Code.

  
Ramesh Pokhriyal 'Nishank'

Minister of Human Resource Development,  
Govt of India



AICTE National level

**CLEAN & SMART CAMPUS AWARDS-2019**  
*A CAMPUS FIRST STEP TOWARDS SUSTAINABILITY*

**CERTIFICATE**  
*of Appreciation*

Awarded to

**B S A CRESCENT INSTITUTE OF  
SCIENCE AND TECHNOLOGY**  
Tamil Nadu

**FOR THEIR SELECTION & ACTIVE PARTICIPATION  
FOR CAMPUS VISIT**



Smart Campus  
Cloud Networks

Prof. Anil D. Sahasrabudhe  
Chairman, AICTE

DATE : 03.12.2019



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

*Certificate of Appreciation*

is awarded to

**B S A Crescent Institute of Science and Technology,**

**Kanchipuram, Tamil Nadu**

for their significant contribution in

“One Student One Tree”

initiative

at All India Council for Technical Education

on 3rd December, 2019

Prof. Anil D Sahasrabudhe  
Chairman, AICTE



ALL INDIA COUNCIL FOR TECHNICAL  
EDUCATION

*Certificate of Appreciation*

is awarded to

**B S A Crescent Institute of Science and Technology,**

**Kanchipuram, Tamil Nadu**

for their significant contribution in

**“Jal Shakti Abhiyan”**

initiative at All India Council for Technical Education

on 3rd December 2019



Prof. Anil D Sahasrabudhe  
Chairman, AICTE





**ASSOCHAM**

Celebrating 100 Years

**13<sup>th</sup> Higher Education, Skill and  
Livelihood Conclave**

**Future of Higher Education and Skill 2030**

**25–26 February 2020 – New Delhi**

Presented by

**ASSOCHAM**

**University of the Year for  
Eco-Friendly Sustainable Campus**

**B. S. Abdu Rahman  
Crescent Institute of Science  
and Technology, Chennai**



***B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai- 600048.***