



Crenerds (Creative nerds/ people) innovative club from the department of Civil Engineering , Velammal Engineering College, Surapet has constructed a car parking shed by using waste materials such as plastic bottles, cool drink tins, PVC/ EPVC pipes and concrete waste. The roof frame is built by using cool drink tins, and sidewalls by means of plastic bottles. PVC/EPVC pipes acts as beams and columns which rest on the cylindrical concrete base. Construction of this parking lot has involved reuse of waste materials, which initiates INNOVATION & GO GREEN concept. The parking lot has received plenty of good feed backs from the car owners / staff members and students in the college. I thank the Velammal management for their kind support and extend my thanks to the civil engineering department students who worked for this innovative project.

Feed backs regarding this car parking lot can be sent to email : headofcivilengineering@gmail.com

Parking Shed Project By The Crenerds Innovative Club Of The Dept. Of Civil.

VELAMMAL ENGINEERING COLLEGE, CHENNAI - 66

CRENERDS VERSION 2.0

CIVIL 24 X 7
SANTHOSH KUMAR & KIRUTHIGA

POSTER PRESENTATION
SOWMYA & SWETHA

PAPER PRESENTATION
DHINESHANAND & YUJAL

BUILD IT
SANTHOSH KUMAR & SOHESH KUMAR

MATERIAL OF THE WEEK
ARJUN & PRAVEEN S.S

ENGINEERS' DAY CELEBRATION
SEP 15TH

MOCK INTERVIEW
ARAVINDHAN & TIRUMAKAM

CIVILAX
GOKULAKANNAN & RETHUKUMAR

PROJECT DISPLAY
YUJAL & SARASAN

QUIZ
DHINESHANAND & TENKATRAMAN

CROSSWORD
PUZZLE
VINODH & VASANTH

CONSULTANCY
(FOR CRACKING)
EZHILAKARAN & VINODHACHALAM

STAFF CO-ORDINATOR: S.ARAVIND M.E., Asst. Lecturer, Velammal Engineering College, Chennai-66

DEPARTMENT OF CIVIL ENGINEERING
CRENERDS INNOVATIVE CLUB - BUILD IT TEAM



The above Parking Lot built in the College Parking Premises is made of,

- > WASTE COOLDRINKS TIN(ROOF)
- > WASTE PLASTIC BOTTLES(SIDE WALLS)
- > SCRAP PVC AND EPVC PIPES(BEAMS AND COLUMNS)
- > CONCRETE WASTE(COLUMN BASE)
- > PVC ELBOWS AND TEE BENDS(FOR CONNECTIONS)
- > NYLON THREAD FOR CONNECTING TINS

OUR SINCERE THANKS TO

- ❖ PRINCIPAL / VEC FOR HIS MORAL SUPPORT
- ❖ GM/ FACILITIES FOR HIS TECHNICAL SUPPORT
- ❖ HOD/ CIVIL ENGINEERING FOR HIS CONTINUOUS ENCOURAGEMENT AND FINANCIAL SUPPORT.
- ❖ S.ARAVIND, AP I/CIVIL - FOUNDER OF CRENERDS AND DRIVING FORCE BEHIND PARKING LOT

BUILD IT TEAM MEMBERS:

- ✓ V.SOMESHWARAN, T.V.ARAVINTHAN, S.DHINESHANAND AND B.S.PRAVEEN (IV YEAR)
- ✓ DINESH AND SUNTHAR(III YEAR)
- ✓ SUDHARSHAN REDDY, AZHAGU PRAKASH, M.BALAJI, S.BALAJI, SOWNTHA SUDHAN, DINESH KUMAR, MANOJ AND GOWTHAMAN.
- ✓ CIVIL 1ST YEAR A SECTION HOSTELERS

Any feedbacks and suggestions regarding the parking lot are most welcome. Mail your suggestions to

- ❖ aravind_mhi@yahoo.co.in
- ❖ someshwaran17@yahoo.com



Engineering students erect parking shed with waste materials



Members of Creners (a creative students wing of Velammal Engineering College, Surapet) have erected a small parking shed in the college using waste materials like plastic bottles, tin cans, PVC pipes and concrete debris.

The roof has been layered with tin cans and the sidewalls with plastic bottles. Disposed PVC pipes have been used as beams and columns that rest on a cylindrical concrete base.

S. Aravind (coordinator of the club) said that though it more of a prototype, it is functional. He said that larger sheds can be safely made using the method and they plan to do it in all the Velammal institutes with the help of the school authorities and students.

Anyone interested in implementing the project may contact Creners by sending an email to headofcivilengineering@gmail.com.