146 /4B1, Amaravathi Village, Amaravathipudur (Po.), Karaikudi – 630 301, Ph: 04565 – 234230 / 326132 Fax : 04565 - 234430 Mobile : 73737 11322, 73737 11333 E-mail : srrcet2010@gmail.com Website: www.ranjaranjan.org

DEPARTMENT OF CIVIL ENGINEERING SEMINAR REPORT

ABOUT THE SEMINAR

A seminar is a form of academic instruction, either at an academic institution of Sri Raaja Raajan College of Engineering and Technology offered. It has the function of bringing together small groups for recurring meetings, focusing each time on some particular subject, in which everyone present is requested to participate. This is often accomplished through an ongoing Socratic dialogue with a seminar leader or instructor, or through a more formal presentation of research. It is essentially a place where assigned readings are discussed, questions can be raised and debates can be conducted.

VISION

Serving as a Fountainhead of higher learning, with the mission of taking the light of knowledge to the depth of darkness and uplifting the humblest and simplest of the community by providing education, the greatest world treasure, and through earnestly striving for continuous improvement, this institution intends to promote educational inclusion among a broad spectrum of unreached rural youths by functioning as a Centre of Excellence.

MISSION

Keeping quality as its Watchword Sri Raaja Raajan College of Engineering and Technology is a classic example of public-private academic partnership. The college intends to offer programmes with inbuilt state-of-the-art courses at the undergraduate level in the first phase to fulfill the requirement of trained manpower in technology.

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n Raaja Raajan College of Engg. & Tec. Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu 146 /4B1, Amaravathi Village, Amaravathipudur (Po.), Karaikudi – 630 301. Ph: 04565 – 234230 / 326132 Fax : 04565 - 234430 Mobile : 73737 11322, 73737 11333 E-mail : srrcet2010@gmail.com Website: www.raajaraajan.org

OBJECTIVES

- Generally organized for either a single day or couple of days, the prime objective of seminars and workshops is to assemble the like-minded intellectuals and professionals to trade ideas, thoughts, and views related to a specific topic.
- To facilitate students learning and understanding about the topic.
- To identify practical learning skills and concepts that will promote students' academic success.
- The purpose of a seminar is to enable students to improve their knowledge and understanding of a topic by engaging with key issues - participation is therefore necessary and successful participation involves preparation
- Using values for your business development.

COLLEGE ON THE KARAIKUDI GO

ri Raaja Raajan College of Engg. & Tac. Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu

SEMINAR REPORT

S. NO	DATE	TABLE OF CONTENT	PAGE NO
1	09.02.2018	Design of Physio chemical character tics of water	1
2	04.02.2019	Fiber Reinforced Concrete and its application	7
3	16.9.2019	Statical analysis on civil engineering	14
4	01.11.2021	Vastu of the structures	21



rı Raaja Raajan College of Engg. & Tec. Amaravathipudur, Karaikudi - 630 301 Sivagangai Dist. Tamil Nadu



SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi -630 301

ONE DAY SEMINAR
ON

PHYSIO-CHEMICAL CHARACTERISTICS
OF WATER
ORGANISED BY
CIVIL ENGINEERING DEPARTMENT
09.02.2018

RESOURCE PERSON

Mrs.CHITHRA

Principal, Pal Rajendrs D.T.Ed College Kandivali(E), Mumbai, Maharashtra

PATRON

Dr.AL.MAYILVAHANAN
Principal, Sri Raaja Raajan College
Of Engineering & Technology

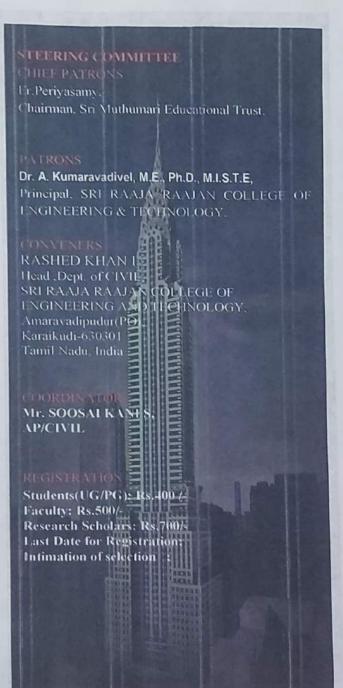
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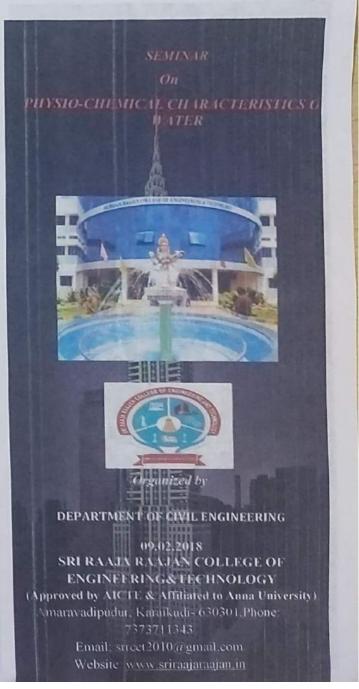
RASHED KHAN I H.O.D Of CIVIL, Sri Raaja Raajan College Of Engineering & Technology

COORDINATOR

Mr.SOOSAIKANI S AP/CIVIL







VERNET SERVER

SRI RA MA RAMAN COLLEGE OF ENGINEERING & TECHNOLOGY is a rechnical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTL), New Delhi and is affiliated to Anna University, Chennai.

COURSES DELLE

- . B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- . B.E. Mechanical Engineering
- . B.F. Civil Engineering

PG Programme

- . M.E.(Computer Science & Engineering)
- . M.E (Structural Engineering)
- · M.E (Manufacture Engineering)

THE DEPAREME

The Department of CIVIL was started in the year 2010 and offers B.E. degree programme. The departments has various laboratories and well-qualified and experienced faculty. The departments has MoU signed with leading companies.

VIOLETTIE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept.
- Better understanding the requirement for a specific technology.

COURSE CONTE

CHARACTORICHS OF WATER
PHYSIO-CHEMICAL
METHODS USED IN PHYSIOCHEMICAE
APPLICATIONS

RESOURCE PERMO

Mrs.CHITTIRA Principal, Pal Rajendrs D.T.Ed College, Kandivaff(E), Mumbai, Maharashtra

REGISTRATION FORM

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ON
HVSIO-CHEMIC AL CHARACTERISTIC
OL WATER
ORGANISED BY
CIVIL ENGINEERING DEPARTMENT
GERZ-2018

Name
Designation
Institution
Male/Female
Educational Qualifications:
Experience
Mailing Address
Phone
Fax
Email
Accommodation required: Yes/No
Details of Registration fee
DD No.
Dated

Drawn on

Signature of Applicant



AMARAVATHIPUDUR, KARAIKUDI- 630 301
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Activity - Report (SEM 2017)

Name of Activity

: SEMINAR

Title of the Lecture

: Design of Physico Chemical Characteristics of Water

Name of the Resource Person

: Mrs.Chithra

Designation and Address

: Principal, Pal Rajendrs , D.Ted College, Kandivali, Mumbai

Date

: 09.02.2018

Target Audience

: students

Number of Students/staff

: 95 / 05

Venue

: Seminar hall

Summary of the Lecture

: Mrs.Chithra gave a Lecture on Water is an important component to

human life. The major aims of the present work are to assess the quality of the ground water and its impact in Various District of Tamilnadu. The present study focus to bring an awareness among the people about the quality of ground water by taking water samples from various locations for Physico - Chemical analysis of the ground water. This analysis result was compared with the WHO, ICMR; USPH and European standards of drinking water quality parameters with the following water quality parameters namely pH, Electrical conductivity, Cl,, Na, K, Ca, Mg, Total dissolved solids, Total hardness, Dissolved oxygen, Fluoride etc. Various chemical methods have been employed to investigate the extent level of pollution in ground water.





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Lax 0.1565 23.4430
Mobile 73737 11322, 73737 11333
L-mail street2010 argmail.com
Website www.ranjaranjan.org



SEMINAR: PHYSIO-CHEMICAL CHARACTERSTICS OF WATER-09.02.2018



PRINCIPAL Sri Raaja Raajan College of Engg. & Tech Amaravathipudur, Kuraikudi - 630 361 Sivagangai Dist. Tamil Nadu

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COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University)

Amaravathipudur, Karaikudi -630 301

CIVIL ENGINEERING DEPARTMENT

SEMINAR ON 04.02.2019

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FIBER REINFORCED CONCRETE AND ITS

APPLICATIONS

REGISTRATION FORM

RESOURCE PERSON

Dr.M.KARTHIKEYAN

AP/CIVIL

Vignana"s Foundation For Sciencee Technology And Research,

Andrapradesh - 522213

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RASHED KHAN I H.O.D OF CIVIL,

Sri Raaja Raajan College Of Engineering & Technology

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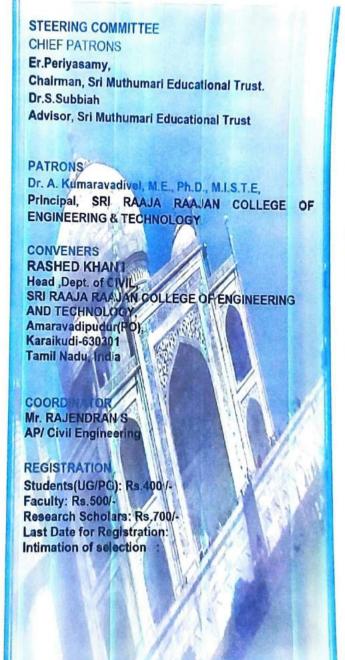
Dr.A.KUMARAVADIVEL, M.E. Ph.D. M.I.S.T.E,

Principal, Sri Raaja Raajan College Of Engineering & Technology

COORDINATOR

Mr.RAJENDRAN.S AP/CIVIL







ABOUT SRRCT

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical institution promoted by Sri Muthumari Educational Trust, established in the year 2010. The college is approved by All India Council of Technical Education (AICTE), New Delhi and is affiliated to Anna University, Chennai.

COURSES OFFERED **UG Programme**

- B.E. Computer Science & Engineering
- B.E. Electronics & Communication Engineering
- B.E. Electrical & Electronics Engineering
- B.E. Mechanical Engineering
- B.E. Civil Engineering

PG Programme

- M.E.(Computer Science & Engineering)
- M.E (Structural Engineering)
- M.E (Manufacture Engir eering)

THE DEPARTMEN

The Department of CIVIL was started in the year. 2010 and offers B.E degree programme.The departments has various laboratories and wellqualified and experienced faculty. The departments has MoU signed with leading companies.

ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them.
- This will give you a better understanding for the all concept
- Better understanding the requirement for a specific technology.

COURSE CONTENT

- Introduction of Fiber reinforced concrete and its Practical Applications
- Types of Fiber Reinforced Concrete
 Applications of Fiber reinforced Concrete
- Advantages of Fiber reinforced Concrete
- Properties of Fiber reinforced Concrete

RESOURCE MERSONS

Dr M. Karthikeyan

Associate Professor

Department of Civil Engineering,

Vignana's Foundation for Science Technology and Research,

Vadlamudi, Guntur District.

Andrapradesh-522213

SEMINAR FIBER REINFORCED CONCRETE AND ITS **APPLICATIONS REGISTRATION FORM CIVIL ENGINEERING DEPARTMENT** 04.02.2019 Name Designation Institution Male/Female **Educational Qualifications:** Experience Mailing Address Phone Fax Email Accommodation required, Yes/ No Details of Registration fee DD No. Dated Drawn on Signature of Applicant



AMARAVATHIPUDUR, KARAIKUDI- 630 301
Approved by AICTE, An ISO 9001:2008 Certified Institution

Activity - Report (SEM 2019)

Name of Activity

: SEMINAR

Title of the Lecture

: Fiber Reinforced Concrete and its applications

Name of the Resource Person

: Dr.M. Karthikeyen

Designation and Address

: Associate Professor, Department of Civil Engineering,

Vignans foundation for Science and Technology for Science

and Technology, Guntur District, Andrapradesh

Date

: 04.02.2019

Target Audience

: 50 Students

Number of Students/staff

: 45 / 05

Venue

: Seminar Hall

Summary of the Lecture

: Dr.M. Karthikeyen gave a Lecture on gave a Lecture on Fiber-

Reinforced Concrete (FRC)a blend of cement, mortar, or concrete and dispersed suitable fibers are defined as Fiber-reinforced Concrete. It is of various kinds and properties with several merits. Meshes, woven fabrics, and long wires are not considered as discrete fibers. FRC comprises of fibrous material which leads to increase structural integrity and includes short discrete fibers such as steel fibers, glass fibers, synthetic fibers and natural fibers.





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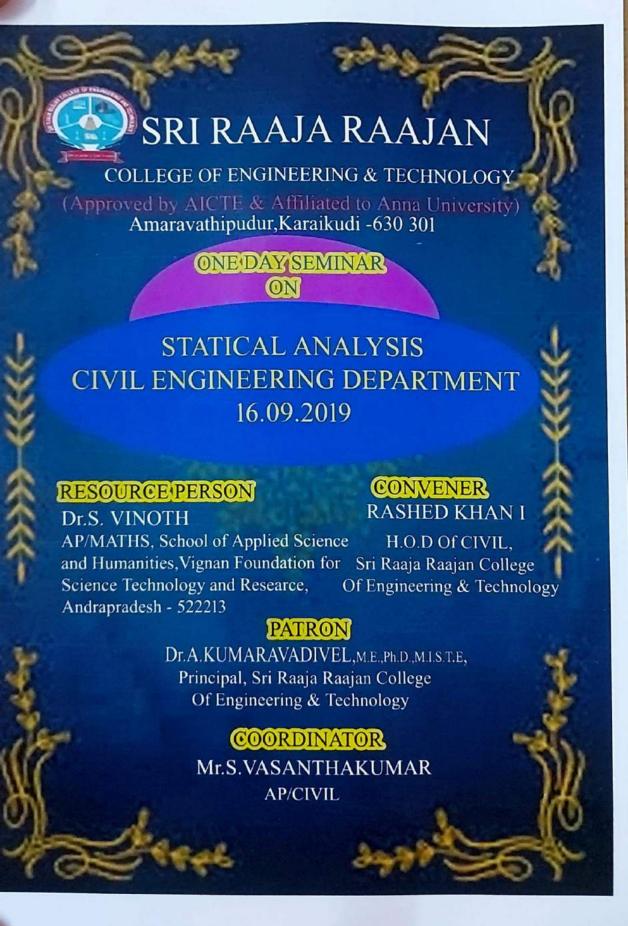
SEMINAR: VASTU: FIBRE REINFORCED CONCRETE AND ITS APPLICATIONS - 04.02.2019



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AMARAVATHIPUDUR, KARAIKUDI- 630 301
Approved by AICTE, An ISO 9001:2008 Certified Institution

Activity - Report (SEM 2020)

Name of Activity

: SEMINAR

Title of the Lecture

: Statical Analysis on Civil Engineering

Name of the Resource Person

: Dr.S. Vinoth

Designation and Address

: Assistant Professor, Department of Mathematics, School

of Applied Sciences and Humanities

Date

: 16.09.2019

arget Audience

: 50 Students

Number of Students/staff

: 45 / 05

Venue

: Seminar Hall

Summary of the Lecture : Dr.S. Vinoth gave a Lecture on Civil engineers can utilise statistical analysis as a useful tool to evaluate the uncertainty and variability of various design variables and make data-driven decisions. It enables engineers to simulate and forecast how systems and structures will behave under various circumstances, assisting them in making knowledgeable choices regarding the development, erection, and maintenance of these systems.

Risk management and evaluation are two areas where statistical analysis is crucial in the profession of civil engineering. To predict the likelihood of various hazards, like earthquakes, storms, and flooding, and to determine the potential effects these catastrophes may have on the infrastructure, civil engineers employ statistical approaches. Following the use of this knowledge, resilient infrastructure that can survive these threats is designed and built.

Another important application of statistical analysis in civil engineering is in the field of materials testing and evaluation. To ascertain the qualities and features of various materials, civil engineers examine data from materials testing, such as compression and tension tests, using statistical methods. Making decisions on the choice of materials to be utilised in construction projects is then guided by this knowledge.

Last but not least, statistical analysis is employed in environmental engineering. To evaluate the effects of construction projects on the environment, civil engineers analyse data from environmental testing, such as air and water quality studies, using statistical methods. This information is then used to make informed decisions about the design and construction of projects that are environmentally responsible and sustainable.

In a nutshell, statistical analysis is a crucial instrument in the discipline of civil engineering. It enables civil engineers to evaluate the uncertainty and variability of many design factors and to make well-informed decisions concerning the design, building, and maintenance of infrastructure. For the benefit and prosperity of contemporary civilization, civil engineers can use statistical techniques to make sure that the built environment is secure, long-lasting, and resilient.





146-4B), Amazasath Vdlage, Amazasathipudur (Po X 8-4-84), 12-4-51 Pa (OAS), 24-12-6-12-6-12Las 01565 234430
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SEMINAR: STATICAL ANALYSIS OF CIVIL ENGINEERING - 16.09,2019

KARAIKUDI

PRINCIPAL

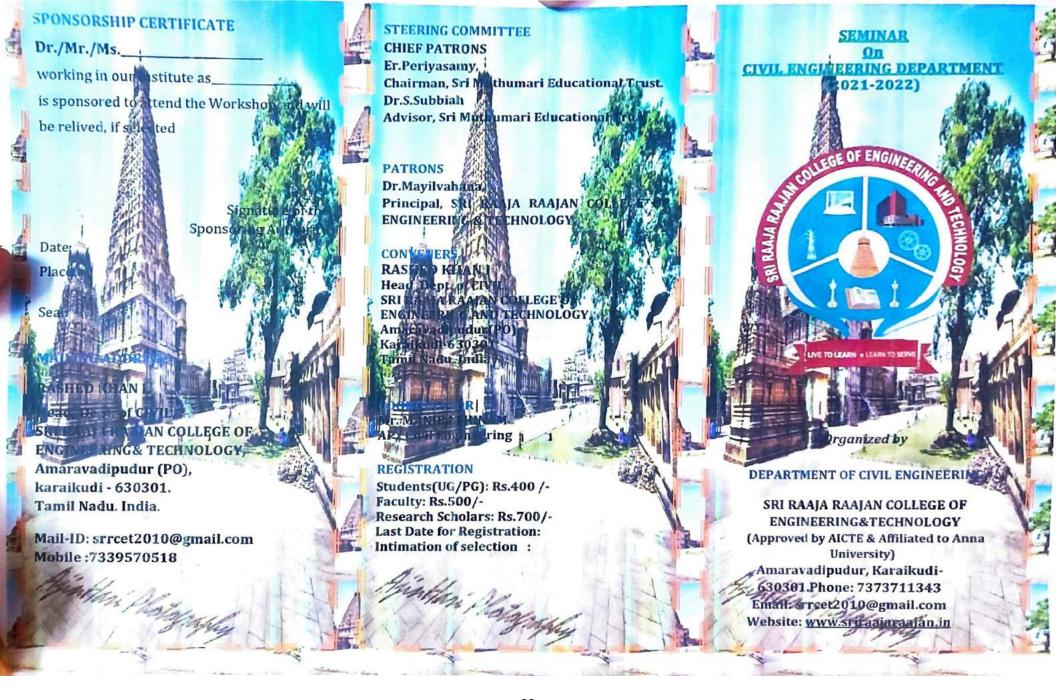
Sri Raaja Raajan College of Engg. & Tech
Amaravathi Judin Kamakudi - 630 301
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S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	ŞIGNATURE
01	912516103001	AJAY K	Final	The state of the s	100
0.2	912516103002	AJITHKUMAR.C	Final	Civil	a marky
03	912516103003	AKASH.K	Final	Civil	G. A. JiJK Kumer
04	912516103004	BALAGIP	Final	CIVII .	Ballace
05	912516103005	DEVASIVA V	Final	Civil	Bargam
06	912516103006	DIVYAT	Final	Civil	Saley
07	912516103007	GOWSALYADEVI.T	Final	Civil	18
08	912516103008	IYAPPAN.P	Final	Civil	Janua gue
06	912516103009	JUHEE JAHAN.B	Final	Civil	RAMERPY
10	912516103010	KALEESWARAN.A		Civil	June 1
11	912516103011	KARTHIKEYAN.R	Final	Civil	Sal rossign
12	912516103012	KAYATHRI.S	Final	Civil	Kara
13	912516103013	MADHAN KUMAR.A	Final	Civil	Lengulary
14	912516103014	MARISWARAN.P	Final	Civil	Masason
15	912516103015	NAVEEN.N	Final	Civil	P. Mari Sworgs
16	912516103016	NIRANJANI.M	Final	Civil	January
17	912516103017	PARTHIPAN.T	Final	Civil	M. Ni renjany
18	912516103018	PAVITHRA.S	Final	Civil	Contraction of
19	912516103019	RAJASEKARAN.M	Final	Civil ,	Parthre
20	912516103020	RAMANATHA SETHUPATHY.S	Final	Civil	Janifreyen silv
21	912516103021	RAMU.R	Final	Civil	Kallin
22	912516103022	RENGASAMY.G	Final	Civil	K. Ramu
23	912516103023	SARAVANAN.M	Final	Civil	Sen gugu
24	912516103024	SASIKUMAR R	Final	Civil	. Davahan.
25	912516103025	SELVAKUMARAN.G	Final	Civil .	Sales
	912516103026	SHANGAR.S	Final	Civil	Cotty atound
	912516103027	SUNDAR.S	Final	Civil	8 00 1
_	912516103301	ABDUL RIYAS,A	Final	Civil	2 Sugar
-	912516103302	ARAVINTH.A	Final	Civil	About Ru
	912516103302	BALASUBRAMANI.T	Final	Civil	Charlinghinh
_	912516103304	DHANASEELAN.D .	Final	Civil	Room
-	912516103304	Linear transfer and the control of t	Final	Civil	6 demikour
	3 D. C.	GOKUL KANNAN.K	Final	Civil	. I louralous
	912516103307	ILAVASRASAN.R	Final	Civil	KarbugaSpira
	912516103308	KARPAGASUNDARAM.M	Final	Civil	a. wind.
	912516103309	KULOTHUNGAN.E	Final	Civil	by the sa
6 . 9	912516103310	LOGESWARAN.P	Final	Civil	Logerwarun









ABOUT SRRCT

SRI RAAJA RAAJAN COLLEGE OF ENGINEERING & TECHNOLOGY is a technical instrution promoted in Sri Muthumari Educational established in e year 2010. The is approved All India Go nell Technical Education (AICTE), New 1 and is affilia to Anna Uni Chennai.

COURSES (

- mputer cience, Eng
- ectronics & Communic
- ctrie & lectronics
- meering
- Civil Engine
- ter Science & Engineering
- (Structural Engineering)
- M.E (Manufacture Engineering)

THE DEPARTMENT

The Department of CIVIL was started in the year 2010 and offers B.E degree programme. The departments has various laboratories and well-qualified and experienced faculty. The departments has

ABOUT THE COURSE

- If you are planning to learn the network technologies and want to know that how to build them
- · This will give you a better under for the all concept.
- Better under tanding the requirement for a specific technology.

COURSE CO

- What is meant by vastu?
- What are the Principle of Vastu?
- What is the importance of Vaastu
- Shastra in building a house?
- Vedic architcture

RESOURCE PERSONS

Er.A.Ganesh B.E., M.E.(STRUCTURAL), VEERA STRUCTURAL CONSULTANT **ARCHITECT & BUILDERS**

REGISTRATION FORM

SEMINAR

ON

VASTU

CIVIL TO NEERING DEPA

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Name

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Institu

Educations:

Accommodation required: Yes/ No

Details of Registration fee

DD No.

Dated

Drawn on



AMARAVATHIPUDUR, KARAIKUDI- 630 301
Approved by AICTE, An ISO 9001:2008 Certified Institution

Activity - Report (SEM 2021)

Name of Activity

: SEMINAR

Title of the Lecture

: Vastu of the Structures

Name of the Resource Person

: Er.Ganesh A M.E.,

Designation and Address

: Industrialist , Veera Structural Consultant, Architect and Builders

Date

: 1.11.2021

arget Audience

: 35 Students

Number of Students/staff

:30/05

Venue

: Seminar Hall

Summary of the Lecture

: Er.Ganesh A.M.E gave a Lecture on vastu Shastra is an ancient

Indian science which capitalizes on the concept of prosperity. It links person's health and happiness directly with layouts and construction of a building. Promoters of Vastu Shastra propagate that it is most authentic and proven advice science. They say that nature consists of 5 basic elements such as energy of planets, air, water, fire and earth. Each carries its own set of dynamics and with vastu one's home and business can be synchronized. As per promoters of shastra it creates a tremendous impact over all facts of life, i.e., health, life, education, thinking, prosperity, marriage and peace of mind.

In fact "Vastu Shastra" is the science of the ancient "Vedic Ages" of India under the guidance of which one can construct building of structures on a particular plot of land. For some people these principles are still relevant today also. As per their belief the science of "Vastu Shastra" controls forces of gravity and magnetic power of the earth. In the urban areas, due to the scarcity of land the construction of flats has become a common practice. Flats are economical and have some added benefit such as security, common recreation centers, shopping area etc. Therefore, in urban areas purchase of flats are more common than constructing a house on a plot which becomes quite expensive. In fact, construction of flats as per vastu is difficult still satisfactory results could be achieved if one follows principles of vastu meticulously in selection of plot and construction of buildings. As per vastu experts, maximum benefits to the flat owners can be achieved keeping in mind the following principles of "Vastu".

The site should be a square or a rectangle. If possible southwest corner should have 90 degree.

· The main door should be on north, east or northeast side of the plot. 2 gates are preferable, one on east and

furtherest in addition to this northeast, southwest or northwest blocks are also good.

bund level should lope towards northeast and levels in southwest should be higher than all other sides.

- A bore well should be provided in north east before the construction takes place.
- More space should be provided in the east and north compared to west and south of the complex.
- Balcony towards north, east and northeast are preferable.
- · Kitchen is advisable in south east or northwest but never in northeast.
- Staircase should be provided in the south, west or southwest and should be avoided in northeast because head room of the staircase higher than southwest is not acceptable.
- Underground room or space (cellar) should be kept under the northeastern or eastern portion of the complex.
- Parking for cars, scooter and bicycles are preferred in northeast cellar.
- Open area in north and south should be used for lawns and sumps.
- AC equipment should be kept in southeast of the complex and should never be installed in northeast under any circumstances.
- Washbasins should be provided in north or east or northeast of the hall.



S.NO	REGISTER NUMBER	NAME	YEAR	DEPARTMENT	SIGNATURE
01	912517103002	Abiraj.s	Final	Civil	Abrase
02	912517103004	Arhindh.K	Final	CivII	Anhende
03	912517103007	Balamuraugan V R	Final	Civil	Balanunger
04	912517103008	Brindha	Final	Civil	Brisha
05	912517103010	Dhanabalan,T	Final	Civil	Dhanabalan.
06	912517103011	Gnanasekaran	Final	Civil	Permandan
07	912517103012	Gobalakrishnan	Final	Civil	Capalalores
08	912517103013	Gokhul	Final	Civil	Cukuland
09	912517103014	Gopinath	Final	Civil	(Hopinoth
10	912517103015	Hameedriswan	Final	Civil	Johnett "
11	912517103016	Jayalakshmi.R .	Final	Civil	Vanse 1
12	912517103017	Karthickraja	Final	Civil	Akan thides
13	912517103018	Krishnaveni	Final	Civil	Cristing
14	912517103019	Lalithadevi.A	Final	Civil	Zaldlader:
15	912517103020	Maheshboopathi	Final	Civil	Mahest baste
16	912517103021	Mathikumar.S	Final	Civil	Mathi kuma
17	912517103022	Muthuperumal	Final	Civil	Mett Lemano
18	912517103023	Naveenkumar.in	Final	Civil	Apparenton
19	912517103024	Naveenkumar.M	Final	Civil	A Dec as
20	912517103025	Naveenkumar.s	Final	Civil 'c	CALATA
21	912517103026	Pradeepraj	Final	Civil	Bradeepraja
22	912517103027	Prakash	Final	Civil	Probash.
23	912517103028	Prasannaraaj	Final	Civil	pagamang
24	912517103029	Praveen.	Final	Civil	1. Drona
25	912517103030	Ragupathi	'. Final	Civil	Inertee.
26 -	912517103301	Aravinth.V	Final	Civil	Sanially
27	912517103302	Iyappan	Final	Civil	Laplan
28	912517103303	Kuppusamy raj	Final	Civil	Kepdelenny r
29	912517103305	Sarmila	Final	Civil	Snawing.
30	912517103502	Sarkuna	Final	Civil	Sarling



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Sri Roaja Roajan Colle Jano Erne, & Tach Amaravathipudur, Karadaudi - 630 au 2 Siyagangai Dist, Tamil Nada