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RGCET TIMES

(a LitWit CLUB Publication)

Volume.1 Issue 3 | 01.12.2016 - 15.12.2016

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"HARDWORK PAYS OFF – AND YOU HAVE PROVED IT"

As the saying, "A journey of a thousand mile begins with a first step", our students of RGCET have opened their doors to experiment their theoretical knowledge by getting themselves placed in various companies.

The Management, Principal, Vice Principal, HODs, Placement cell and staff members extend their best wishes to the students who have hit the chords in CAMPUS drive.

SUTHERLAND GLOBAL SERVICES®

(SALARY : 2.4 CTC)


Vinodhini.R IV-CSE


Sujitha.R IV-CSE


Sreenija.B IV-CSE


Sneha.S IV-CSE


Shrinidhi.K IV-CSE


Rahul Porwal.S IV-CSE


Priyadharshini.A IV-CSE


Suvathi.V IV-BME


Nivetha.T IV-BME


Pushpalatha.E IV-BME


Ebanazer Pon Navisha.IV-BME


Shivadharshini.K IV-BME


Agalya.R J IV-BME


Sherlynn Jessica Paul.E. IV-BME


Shimarna.A IV-BME


Keerthana.M IV-ECE


Vaithiswary.V IV-ECE


Shalini.M IV-ECE


Tirouvengadaramanane.C IV-ECE


Shibin Paul IV-ECE


Geant Michael Radje.A IV-ECE


Nancy.S IV-ECE


Nishandhi.S IV-ECE


Sneha Kurian IV-ECE


Stephanie.I IV-ECE


Aiswariya.S IV-IT


Punithavathi Bakkiam.J.IV-IT


Pavithra.K IV-IT


DhivyaBharathi.M IV-IT


Hareesh.G.M IV-IT


Gokul Vignesh.D IV-EEE


Sanjay Kumar.N IV-EEE


Laurance Raj.P IV-EEE


Ranjith Benedict Jose.R. IV-EEE


Thirumalaivasan.R IV-EEE


Hemant Kumar.M IV-Mechanical


Sarat.K.J IV-Mechanical


Abdullah.H II- MBA


Thamizhselvan.K II- MBA


Sathiya.S II- MBA

Vaishnavi.V II- MBA

Venika.G III-MCA

VERNALIS

(SALARY : 4 Lakh Per Annum)

Ashana Jabin Jaffer. IV-CSE

ExcelaCom

(SALARY : 3.5 Lakh Per Annum)

Bhaarrgavee.K.A IV-CSE

sopra steria

(SALARY : 3.5 Lakh Per Annum)

Kameswaran.R IV-CSE

IDBI FEDERAL

In association with Ageas

IDBI Federal Life Insurance Co Ltd

(SALARY : 3.5 Lakh Per Annum)

Shalini.M IV-ECE

Umapriyadharshini IV-ECE

Sheela Priya.K IV-ECE

Thirumalaivasan.R IV-EEE

Ranjith Benedict Jose.R. IV-EEE

Kamaleesh.G IV-EEE

Poovanna Premmaiah IV-CSE

RFtronics

(SALARY : 2 Lakh Per Annum)

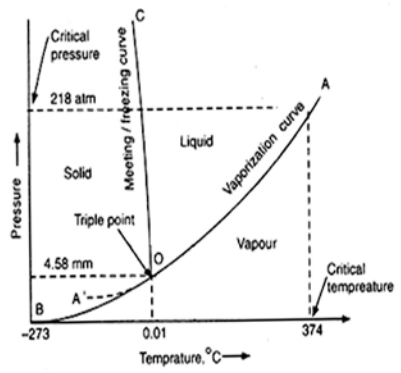
Karthikeyan IV-ECE

Tirouvengadaramanane.C IV-ECE

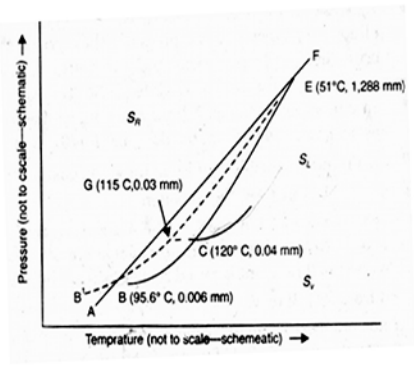
"Perennial, Beyond the Time"

As the examinations are fast approaching, we lend a helping hand to our First year engineering students by providing the key materials that will be helpful for their preparation.

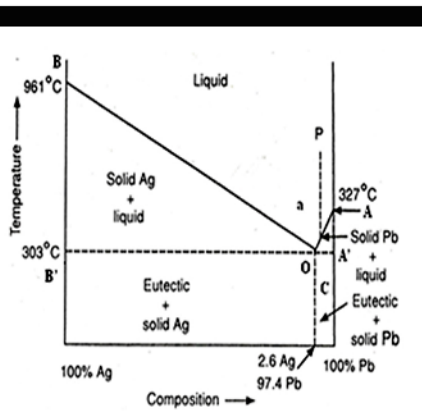
CHEMISTRY-PHASE DIAGRAMS



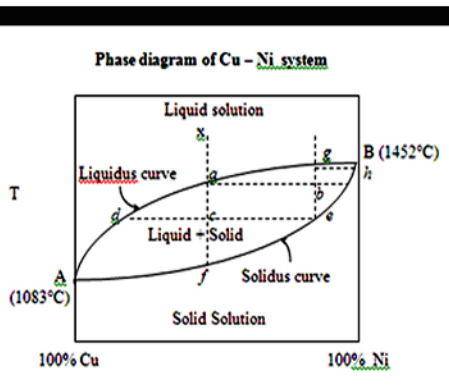
Water System



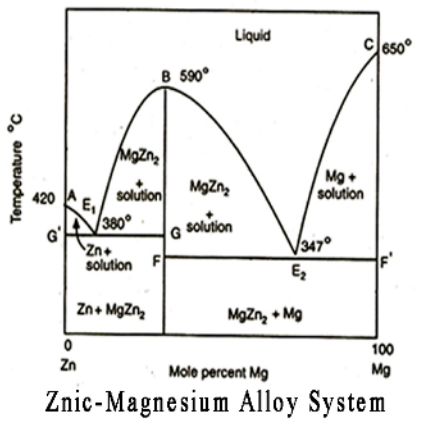
Sulphur System



Lead Silver Alloy System



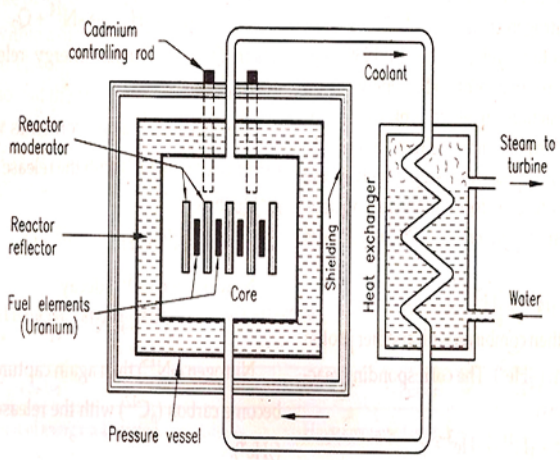
Copper-Nickel System



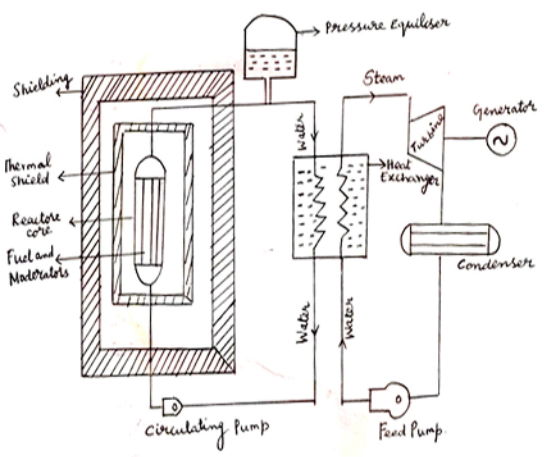
Znic-Magnesium Alloy System

PHYSICS- REACTORS

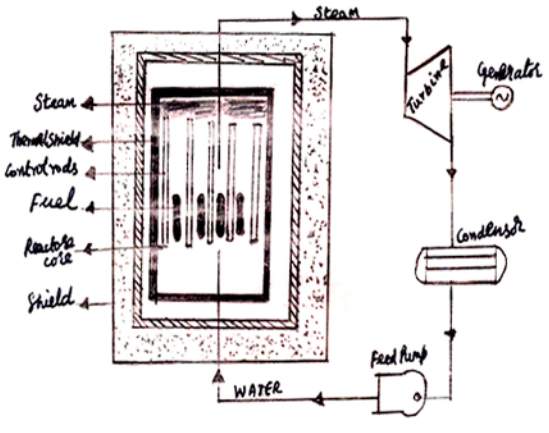
NUCLEAR REACTOR



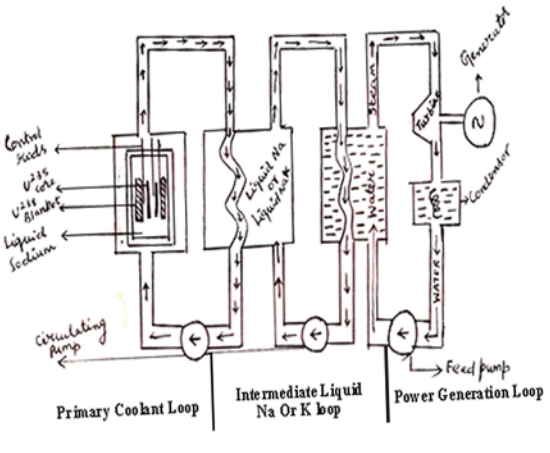
PRESSURIZED WATER REACTOR (PWR)



BOILING WATER REACTOR (BWR)



LIQUID METAL FAST BREEDER REACTOR



MATHEMATICS - FORMULAS

Unit-1

1. Radius of Curvature ρ

$$\rho = \frac{(1+(y_1)^2)^{3/2}}{y_2} \text{ where } y_1 = \frac{dy}{dx} ; y_2 = \frac{d^2y}{dx^2}$$

2. When $\frac{dy}{dx} = \infty$,in this case ρ can be determined by the formula

$$\rho = \frac{\left(1+\left(\frac{dx}{dy}\right)^2\right)^{3/2}}{\left(\frac{d^2x}{dy^2}\right)}$$

3. Let x and y are functions of t alone then the Cartesian equations of the given curve is given by

$$\frac{dy}{dx} = \left(\frac{dy}{dt}\right) / \left(\frac{dx}{dt}\right)$$

$$\frac{d^2y}{dx^2} = \left(\frac{d}{dx}\right)\left(\frac{dy}{dx}\right) = \left[\left(\frac{d}{dt}\right)\left(\frac{dy}{dx}\right)\right] \cdot \frac{dt}{dx}$$

4. Let x and y are functions of θ alone then the parametric equations of the given curve is given by

$$\frac{dy}{dx} = \left(\frac{dy}{d\theta}\right) / \left(\frac{dx}{d\theta}\right)$$

$$\frac{d^2y}{dx^2} = \left(\frac{d}{dx}\right)\left(\frac{dy}{dx}\right) = \left[\left(\frac{d}{d\theta}\right)\left(\frac{dy}{dx}\right)\right] \cdot \frac{d\theta}{dx}$$

5.Let $r = f(\theta)$ be the given curve in polar coordinates. Let $x = r\cos\theta$ and $y = r\sin\theta$ may be regarded as the parametric equations of the given curve, the parameter being θ. .Then

$$\rho = \frac{(r^2+r_1^2)^{3/2}}{r^2+2r_1^2-r r_2} \text{ where } r_1 = \frac{dr}{d\theta} \text{ and } r_2 = \frac{d^2r}{d\theta^2}.$$

6. Circle of curvature $(x-\bar{x})^2 + (y-\bar{y})^2 = \rho^2$ where

$$\bar{x} = x - \frac{y_1(1+y_1^2)}{y_2} ; \bar{y} = y + \frac{1+y_1^2}{y_2} \quad \rho = \frac{(1+(y_1)^2)^{3/2}}{y_2}$$

"KNOW YOUR NSS"

The Motto of NSS "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service. The aim of the NSS is "Personality Development of Volunteers through Community Service".

NSS was launched on 24th September, 1969, the birth centenary year of the Father of our Nation Mahatma Gandhi. NSS is implemented in all schools and colleges in India in order to cultivate social responsibility among the students during childhood and to become responsible Indian citizen.

The main objectives of National Service Scheme (NSS) are:

- Understanding the community in which they work.
- Understand themselves in relation to their community.
- Identify the needs and problems of the community and involve in problem solving process.
- Develop among them a sense of civic and social responsibility.
- Utilize their knowledge in finding practical solutions to individual and community problems.
- Develop competence require for group living and sharing of responsibilities.
- Gain skills in mobilizing community participation.
- Acquire leadership quality and democratic attitude.
- Develop capacity to meet emergencies and natural disasters.
- Practice National Integration and Social Harmony.

The NSS symbol is based on the chariot wheel of the Konark Sun Temple situated in Orissa. These giant wheels of the Sun Temple portray the cycle of creation, preservation and release, and signify the movement in life across time and space. The design of the symbol, a simplified form of the sun - chariot wheel stands for continuity as well as change and implies the continuous striving of NSS for social transformation and upliftment.

The NSS symbol is embossed on the NSS badge. The NSS volunteers wear it while undertaking any Programme of community service. Konark wheel in the symbol has eight bars, which represent the 24 hours of the day. Hence, the badge reminds the wearer to be in readiness for service to the nation round the clock *i.e. for 24 hours.* The Red color in the badge indicates that the NSS volunteers are full of blood *i.e. lively, active, energetic and full of high spirit.* The Navy Blue color indicates the cosmos of which the NSS is a tiny part, ready to contribute its share for the welfare of the mankind.

Classification of NSS Programmes:

i) Regular NSS Activities: Students undertakes various activities in the adopted villages, college/ School campus and urban slums during weekends or after college hours. The volunteers undertake various activities in adopted villages and urban slums for community service. They should put in 120 hours of service such as:

- Orientation of NSS volunteers - 20 hours. (Lectures, discussions, field visit, audio-visuals)
- Campus work/ project involved in the projects for the benefit of institution and college students -30 hours.
- Community service in adopted villages/ urban slums–70 hours

ii)Special Camping Programme: Camps of 7 days duration are organized in adopted villages/urban slums during vacations with some specific project by involving local community. 50% enrollment of NSS volunteers is expected to participate in these camps. Special camping programme provides a unique opportunity to the students for group living, collective experience sharing and constant inter-action with community. Special camping is organized generally on importance issues at the National Level. Every year 50% of the volunteers from NSS Unit are expected to participate in special camps *that is of 7 days duration.*

It is believed that students undergone activities under NSS will depart the Institution with improved personality, attachment on society and administrative skills. Students are encouraged to join in NSS through this basic write up "Know your NSS".

-by Dr.A.Jayaprakash, NSS Programme officer, RGCET.

"ULTIMATE STUDENT HUNT – HACKATHON"

(Organized by AICTE & MHRD)

"Smart India Hackathon 2017" is a pan India 36 hour nonstop digital programming competition. The participating teams will simultaneously compete from various locations in India to offer digital yet sustainable innovative solutions to solve real time challenges faced by the nation. It will harness the creativity of millions of bright young minds.

On 24th Nov, 2016, "Awareness Workshop on Smart India Hackathon" was held at Anna University, Chennai and it was attended by faculties of our college, Mr.R.Vinoth Kumar, AP(SG)/IT and Mr.S.Saravanan, AP(SG)/CSE.

The workshop was organized by AICTE under the aegis of Ministry of Human Resource Development, Govt. of India. The aim of the workshop is to create awareness among the technology students especially from Information Technology (IT) and Electronics field to motivate them for their active participation in world's largest Hackathon which will be organized in Feb-March 2017.

RULES:

- Six students in a team.
- A team should have at least one female candidate

ROLE OF A TEAM:

- The team should select the topic based on a real problem.
- They have to prepare a PowerPoint presentation about their topic and submit the same to Hackathon committee through the website : www.innovate.mygov.in
- If a team is selected for finals, the team may include two mentors for further assistance of their own choice.
- Furthermore, if the team requires any sort of help, it may approach the assistance of hackathon committee.

ROLE OF HACKATHON COMMITTEE:

- They will select 50 teams from each state for the final competition.
- The final competition will be held at nodal centre.
- There will be 25 nodal centres all over the Country.
- In each nodal centre, a maximum of 50 teams will be participating.
- From each nodal centre, a top three teams will be selected. The winner may get a cash prize of one lakh rupees and the runners may get Rs.75000 and Rs.50000 respectively.
- There will be no financial assistance given by AICTE.

GOLDEN OPPORTUNITY

Based on the field of specialization, the winners should get involved in the respective ministry for implementing their product.

"Plan your work : work on your plan"

Scheduling is the process by which we look at the time available to us and plan how
we will use it to achieve the goals we have set.
The University Practical examination for I Year B.Tech commences on 08.12.2016 and ends on 10.12.2016.

Subject Name	Subject Code	Date	Department	Register Numbers	
Computer Programming	P101	08.12.2016	CSE	CSE01	CSE78
		09.12.2016	CSE	CSE79	CSE87
			MECHANICAL	MECH01	MECH43
		10.12.2016	MECHANICAL	MECH44	MECH93
			IT	IT01	IT31
Engineering Graphics	P102	08.12.2016	CSE	CSE79	CSE87
			MECHANICAL	MECH01	MECH43
		09.12.2016	MECHANICAL	MECH44	MECH93
			IT	IT01	IT31
		10.12.2016	CSE	CSE01	CSE78
Basic Electrical & Electronics lab	P103	08.12.2016	MECHANICAL	MECH44	MECH93
			IT	IT01	IT31
		09.12.2016	CSE	CSE01	CSE78
		10.12.2016	CSE	CSE79	CSE87
			MECHANICAL	MECH01	MECH43
Physics	P104	08.12.2016	BME	BME01	BME54
		09.12.2016	BME	BME55	BME101
			ECE	ECE01	ECE31
		10.12.2016	ECE	ECE32	ECE68
			EEE	EEE01	EEE15
Chemistry	P105	08.12.2016	BME	BME55	BME101
			ECE	ECE01	ECE31
		09.12.2016	ECE	ECE32	ECE68
			EEE	EEE01	EEE15
		10.12.2016	BME	BME01	BME54
Workshop	P106	08.12.2016	ECE	ECE32	ECE68
			EEE	EEE01	EEE15
		09.12.2016	BME	BME01	BME54
		10.12.2016	BME	BME55	BME101
			ECE	ECE01	ECE31

RGCET - PLACEMENT CELL

UPCOMING PLACEMENT DRIVES

The Puducherry Engineering Colleges Placement Consortium (PECPC) was inaugurated to create job opportunities for the students of engineering colleges in the Union Territory. The following companies were approached / confirmed for the pooled campus drive for 2017 pass out students.

1. ACCENTURE (Dec'2016 / Jan'2017)
2. INFOSYS (Jan'2017 / Feb'2017)
3. TCS (After Feb'2017)
4. WIPRO
5. TECHMAHINDRA
6. POLARIS (Feb'2017)
7. TATA COMMUNICATION (Jan'2017)
8. CSS CORPS
9. AMAZON (Dec'2016 / Jan'2017)
10. TNQ (Dec'2016)
11. MBIT WIRELESS (Jan'2017)

"DESIGN OF TELEMEDICINE BOAT"

During floods roads, bridges, farms, houses and automobiles are destroyed. People become homeless. Additionally, the government deploys firemen, police and other emergency apparatuses to help the affected. All these come at a heavy cost to people and the government. It usually takes years for affected communities to be re-built and business to come back to normalcy. The environment also suffers when floods happen. Chemicals and other hazardous substances end up in the water and eventually contaminate the water bodies that floods end up in. Additionally, flooding causes kills animals, and others insects are introduced to affected areas, distorting the natural balance of the ecosystem. Water supply and electricity are disrupted and people struggle and suffer as a result. In addition to this, flooding brings a lot of diseases and infections including military fever, pneumonic plague, dermatopathia and dysentery. Sometimes insects and snakes make their ways to the area and cause a lot of havoc.

Telemedicine (also referred to as "telehealth" or "e-health") allows health care professionals to evaluate, diagnose and treat patients in remote locations using telecommunications technology. Telemedicine allows patients in remote locations to access medical expertise quickly, efficiently and without travel. Telemedicine provides more efficient use of limited expert resources who can "see" patients in multiple locations wherever they are needed without leaving their facility. In developed and developing countries telemedicine offers a reduced cost solution to delivering remote care when and where it is needed without the building and staffing added facilities. Telemedicine also reduces isolation that clinicians can experience in small medical facilities in distant locations. Telemedicine allows local practitioners to consult with their peers and with clinical experts when needed.

Faculty of RGCET, Mr.S.Saravanan, Department of Computer Science and Engineering, has designed a Telemedicine ambulance Boat with internet communication using antenna system. Biokit is used for monitoring and measuring parameters such as Temperature, Heartbeat, Blood pressure, ECG and pulse signal using computer and mobile through internet.

The real time design of telemedicine boat at silver beach at cuddalore, Tamil nadu, as shown in Figure.

His research work, "Real time Design of Telemedicine ambulance boat for affected flood people" was presented in "INTERNATIONAL CONFERENCE ON COMMUNICATION AND SECURITY" on 9th March, 2016 Organized by Department of Electronics and Communication Engineering Pondicherry Engineering College, Pondicherry, India and "ECG Monitoring at Bio Engineering laboratory" of Electronics and Instrumentation in Annamalai University for DBI sponsored Short Term Training course held for a period of 2 weeks from 7th to 21st November , 2016, Tamil Nadu, India.

-Mr.S.Saravanan / AP(SG)
CSE - RGCET