

1. English

OUTCOMES:

1. Usage of English Language, written and spoken.
2. Enrichment of comprehension and fluency
3. Gaining confidence in using language in verbal situations.

2. Mathematics – I

OUTCOMES:

After getting to know this concern the pupil must be capable of

1. Write the matrix illustration of a fixed of linear equations and to research the answer of the machine of equations
2. Find the eigen values and eigen vectors which stumble upon underneath linear ameliorations.
- Three. Locate the intense values of capabilities of two variables with/ without constraints.
4. Perceive whether or not the given first order de is precise or not.
5. Solve higher order de's and practice them for solving some real global issues.

Mathematical Methods

OUTCOMES:

After earning the understanding the student can have an ability to

Pick out whether the given differential equation of first order is precise or not

- Student can clear up higher differential equation and follow the concept of differential equation to actual international issues.
- Scholar can compare the more than one integrals and practice the idea to find regions, volumes, center of mass and gravity for cubes, sphere and rectangular parallelepiped.
- Scholar will evaluate the road, surface and quantity integrals and converting them from one to every other.

4. Engineering Physics

After finishing touch of this course the pupil is able to

- Recognize the significance of light phenomena in skinny movies and backbone.
- Research precept, running of numerous laser structures and light propagation through optical fibers.
- distinguish diverse crystal structures and apprehend atomic packing factor.
- know the various defects in crystals.

5. Engineering Chemistry

After getting to know this path scholar will have

- Information approximately water utilized in industries (boilers and many others.) and for drinking functions is useful; for this reason chemistry of tough water, boiler problems and current techniques of softening difficult water is brought.
- knowledge of galvanic cells, electrode potentials, attention cells is important for engineers to apprehend corrosion problem and its control ; additionally this expertise enables in expertise modern bio-sensors, gas cells and enhance them.
- The issues related to corrosion are widely known and the engineers must be aware of those problems and also how to counter them.
- Plastics are substances used very extensively as engineering substances. An expertise of residences in particular bodily and mechanical houses of polymers /plastics / elastomers helps in deciding on appropriate substances for extraordinary purposes.
- a board understanding of the more crucial fuels hired on a large scale is essential for all engineer to recognize electricity – associated troubles and resolve them.

The expertise to be had now, destiny engineers must know at the least some of the superior materials which are turning into to be had.

6. Computer Programming

After complete information of this direction scholar have an ability to do.

- Perception of operation of a cpu, perception of an algorithm and computational manner, enhancing and executing programs in Linux.
- Knowledge branching, iteration and data illustration using arrays.
- Modular programming and recursive answer method.

- Knowledge suggestions and dynamic reminiscence allocation
- Knowledge miscellaneous factors of c.
- Comprehension of file operations

7. Engineering Drawing

1. The objective is to introduce the use and the utility of drawing instruments and to make the scholars assemble the polygons, curves and diverse varieties of scales.
2. The student might be capable of apprehend the want to extend or reduce the size of gadgets in representing them.
3. It introduce orthographic projections and to project the factors and lines parallel to 1 aircraft and inclined to different.
4. It makes the students to attract the projections of the traces inclined to both the planes.
5. The objective is to make the students draw the projections of the aircraft willing to each the planes.
6. It makes the students the draw the projections of the plane inclined to each the planes.
7. The objective is to represent the object in 3-D view through isometric views. The scholar can be able to constitute and convert the isometric view to orthographic view and vice versa.

8. Computer Programming Lab.

OUTCOMES:

After getting to know this programming language

- a student is capable of design and check programs to solve mathematical and medical issues.
- he/she will write programs using control structures and functions.

9. Engineering Physics & Engineering Chemistry Lab

❖ OUTCOMES:

1. The pupil is expected to learn from this laboratory route the concept of blunders and its analysis.

2. It also allows the scholar to broaden experimental talents to layout new experiments in engineering. With the publicity to these experiments the student can evaluate the idea and correlate with test.

10. English Language Communication Skills Lab.

Outcomes:

1. Better information of nuances of language through audio- visual enjoy and institution activities
2. Neutralization of accent for intelligibility
- Three. Speak me with clarity and self-belief thereby improving employability skills of the scholars
- Four. The proposed technology is humans' technology. It serves the human character rather than making him the servant of machines.
5. The student knows that weather should be preserved.
6. The student will undertake the programs of modern-day technology such as nanotechnology.
7. The student will remember that water is the elixir of existence.
8. The students will learn to work hard with devotion and willpower.
9. The students will understand the benefits of work.
10. They will conquer their personal problems and address themselves to country wide and different problems.

11. Engineering Workshop / IT Workshop

❖ Outcomes:

- Capable of understand the simple hardware and software program tools thru sensible publicity
- Computer hardware introduces the students to a personal pc and its fundamental peripherals, the system of assembling a private laptop, installation of device software like MS windows, Linux and the desired tool drivers.
- In addition hardware and software degree troubleshooting process, suggestions and hints might be covered.
- The scholars ought to paintings on working computer to disassemble and collect to operating condition and installation windows and Linux at the equal computer. College students are recommended to work similar tasks within the computer situation anywhere possible.
- Net & international extensive web module introduces the exclusive ways of hooking the computer directly to the net from home and place of work and effectively utilization of the net. Usage of internet browsers, e-mail, newsgroups and discussion forums would be covered.

- Further, cognizance of cyber hygiene, i.e., protective the personal laptop from getting inflamed with the viruses, worms and different cyber-attacks could be introduced.
- Productiveness equipment module might permit the scholars in crafting expert phrase files, excel spread sheets and electricity point shows the usage of the Microsoft suite of office tools and latex. (Encouraged to use Microsoft office 2007 in area of MS office 2003).