

. Basic concept of Programming and how a Computer functions

i)

. Digital Logic

3. Computer Organisation and Architecture

4. Microprocessors & Assembly Language Programming

5. Interfacing with Microprocessors.

6. Compilers

7. Operating Systems

ie)

8. Computer Networking

9. CyberSecurity and
Cryptography

10. System Programming

11. Database Management
Systems

12. A lot of Mathematics -
Probability, Fourier
Transformations, Graph
Theory, Boolean

Algebra, Operations, etc.
etc.

13. Additional Elective 1 -
Real Time Operating Systems

14. Additional Elective 2 -
Advanced Ad-hoc wireless
networks,