# HINDUSTAN
### INSTITUTE OF TECHNOLOGY & SCIENCE
### (DEEMED TO BE UNIVERSITY)

## B.Sc. DIALYSIS TECHNOLOGY
## CURRICULUM - ANNUAL PATTERN 2024-2025

| S. No. | Course Category | Course Type | Course Code | Course Title | L | T | P | C | S | TCH /week | Total hours |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **I YEAR** | | | | | | | |
| 1 | BMS | TP | HGH11001 | Anatomy | 2 | 0 | 4 | 8 | 2 | 6 | 180 |
| 2 | BMS | TP | HGH11002 | Physiology | 2 | 0 | 4 | 8 | 2 | 6 | 180 |
| 3 | BMS | TP | HGH11003 | Biochemistry | 2 | 0 | 2 | 6 | 2 | 4 | 120 |
| 4 | BMS | TH | HDL11001 | Nutrition | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 5 | BMS | TH | HGH11004 | Basic nursing care & medical terminologies | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 6 | BS | TP | HCA11001 | Fundamentals of Computers | 2 | 0 | 2 | 6 | 1 | 4 | 120 |
| 7 | HS | TP | HLS11001 | English and Communication Skills | 2 | 0 | 1 | 4 | 1 | 3 | 90 |
| 8 | VA | TH | HGH11008 | Environmental Science & Sustainable Development | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| | | | | **TOTAL** | 16 | 0 | 13 | 44 | 11 | 29 | 870 |

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

| S. No. | Course Category | Course Type | Course Code | Course Title | L | T | P | C | S | TCH /week | Total hours |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **II YEAR** | | | | | | | |
| 1 | BMS | TP | HDL11002 | Microbiology | 2 | 0 | 3 | 7 | 1 | 5 | 150 |
| 2 | BMS | TP | HDL11003 | Pathology | 2 | 0 | 3 | 7 | 1 | 5 | 150 |
| 3 | BMS | TH | HGH11007 | Pharmacology | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 4 | BMS | TH | HDL11004 | Community Medicine | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 5 | BMS | TP | HDL11005 | Basic Medical Electronics | 3 | 0 | 2 | 8 | 2 | 5 | 150 |
| 6 | HS | PR | HLS11002 | English for Competitive Examination | 0 | 0 | 2 | 2 | 0 | 2 | 60 |
| 7 | PC | PR | HDL11400 | Clinical Training I | 0 | 0 | 9 | 6 | 0 | 9 | 270 |
| | | | | **TOTAL** | 11 | 0 | 19 | 38 | 6 | 30 | 900 |

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

| S. No. | Course Category | Course Type | Course Code | Course Title | L | T | P | C | S | TCH /week | Total hours |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **III YEAR** | | | | | | | |
| 1 | PC | TP | HDL11006 | Dialysis Technology I | 2 | 0 | 2 | 6 | 2 | 4 | 120 |
| 2 | PC | TP | HDL11007 | Advanced Dialysis Technology | 2 | 0 | 2 | 6 | 2 | 4 | 120 |
| 3 | PC | TP | HDL11008 | Renal Disease Therapeutics | 2 | 0 | 2 | 6 | 2 | 4 | 120 |
| 4 | PC | TH | HGH11005 | Hospital and Patient Relation Management | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 5 | BS | TH | HGH11006 | AI in Healthcare | 2 | 0 | 0 | 4 | 1 | 2 | 60 |
| 6 | BS | TP | HGH11009 | Fundamentals of Research Methodology | 2 | 0 | 2 | 6 | 1 | 4 | 120 |
| 7 | PC | PR | HDL11401 | Clinical Training II | 0 | 0 | 9 | 6 | 0 | 9 | 270 |
| | | | | **TOTAL** | 12 | 0 | 17 | 38 | 9 | 29 | 870 |

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

| S. No. | Course Category | Course Type | Course Code | Course Title | L | T | P | C | S | TCH /week | Total hours |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **IV YEAR** | | | | | | | |
| 1 | SI | IN | HDL11800 | Internship | # | # | # | 20 | # | # | # |
| 2 | RP | PJ | HDL11801 | Project | # | # | # | 20 | # | # | # |
| | | | | **TOTAL** | # | # | # | 40 | # | # | # |

L-Lecture, T- Tutorial, P- Practical, C-Yearly Credits, S- Self study, TCH- Total Contact Hours

\# - Compulsory Internship for one year in hospitals & the evaluation will be done at the end of the year

## TOTAL CREDITS FOR FOUR YEAR PROGRAMME

| S. No. | Year | No. of Credits |
|---|---|---|
| 1 | I | 44 |
| 2 | II | 38 |
| 3 | III | 38 |
| 4 | IV | 40 |
| **TOTAL** | | **160** |

| COURSE TYPE | | No. of Credits |
|---|---|---|
| Theory with Practical | TP | 78 |
| Theory | TH | 28 |
| Practical | PR | 14 |
| Internship | IN | 20 |
| Project | PJ | 20 |
| **TOTAL** | | **160** |

| COURSE CATEGORY | | No. of Credits |
|---|---|---|
| BMS | Basic Medical Science | 60 |
| VA | Value Added | 4 |
| HS | Humanities & Social Science | 6 |
| BS | Basic Science | 16 |
| PC | Professional Course | 34 |
| SI | Summer Internship | 20 |
| RP | Research Project | 20 |
| **TOTAL** | | **160** |

**HITS-IMAX Coordinator**          **Dean SoHS**          **Director - IQAC**
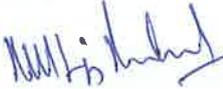
**Dean Academics** 19/4/24          **Vice Chancellor**