

**IPS Academy, Institute of Engineering & Science**  
(A UGC Autonomous Institute, Affiliated to RGPV, Bhopal) Scheme Based on  
AICTE Flexible Curriculum  
**Bachelor of Technology (B.Tech.)**  
**Department of Computer Science & Engineering-AIML**

**Honors Certification in High Performance Computing**  
(For Students of CSE-AIML)

| Sr. No.                               | Course Type | Course Code | Course Name                | Teaching Scheme |   |   | Credits |
|---------------------------------------|-------------|-------------|----------------------------|-----------------|---|---|---------|
|                                       |             |             |                            | L               | T | P |         |
| 1.                                    | PCC         | HOCL 01     | Introduction to Linux      | 2               | 1 | 2 | 4       |
| 2.                                    | PCC         | HOCL 02     | Parallel Programming       | 2               | 1 | 2 | 4       |
| 3.                                    | PCC         | HOCL 03     | GPU with CUDA              | 2               | 1 | 2 | 4       |
| 4.                                    | PCC         | HOCL 04     | High Performance Computing | 2               | 1 | 0 | 3       |
| Total Academic Engagement and Credits |             |             |                            | 8               | 4 | 6 | 15      |
|                                       |             |             |                            | 18              |   |   |         |