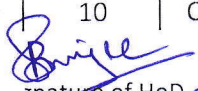


| DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR |              |                                |                            |                                                             |
|--------------------------------------------|--------------|--------------------------------|----------------------------|-------------------------------------------------------------|
| DEPARTMENT: IT                             |              |                                |                            |                                                             |
| B.TECH 5TH SEMESTER (AY 2022-23)           |              |                                |                            |                                                             |
| NEW SYLLABUS                               |              |                                |                            |                                                             |
| SRL NO.                                    | PAPER CODE   | PAPER NAME                     | Course Offered<br>(Yes/No) | NO. OF STUDENTS<br>ENROLLED IN &<br>COMPLETED THE<br>COURSE |
| 1                                          | PEC-IT 501 A | Theory of Computation          | NO                         | 0                                                           |
| 2                                          | PEC-IT 501 B | Artificial intelligence        | YES                        | 68                                                          |
| 3                                          | PEC-IT 501 C | Advanced Computer Architecture | NO                         | 0                                                           |
| 4                                          | PEC-IT 501 D | Computer Graphics              | NO                         | 0                                                           |

| DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR |              |                                     |                            |                                                             |
|--------------------------------------------|--------------|-------------------------------------|----------------------------|-------------------------------------------------------------|
| DEPARTMENT: IT                             |              |                                     |                            |                                                             |
| B.TECH 6TH SEMESTER (AY 2022-23)           |              |                                     |                            |                                                             |
| NEW SYLLABUS                               |              |                                     |                            |                                                             |
| SRL NO.                                    | PAPER CODE   | PAPER NAME                          | Course Offered<br>(Yes/No) | NO. OF STUDENTS<br>ENROLLED IN &<br>COMPLETED THE<br>COURSE |
| 1                                          | PEC-IT 601 A | Advanced algorithm                  | NO                         | 0                                                           |
| 2                                          | PEC-IT 601 B | Distributed systems                 | YES                        | 68                                                          |
| 3                                          | PEC-IT 601 C | Signals & Systems                   | NO                         | 0                                                           |
| 4                                          | PEC-IT 601 D | Image processing                    | NO                         | 0                                                           |
| 5                                          | PEC-IT 602 A | Parallel and distributed algorithms | NO                         | 0                                                           |
| 6                                          | PEC-IT 602 B | Data Warehousing & data mining      | YES                        | 68                                                          |
| 7                                          | PEC-IT 602 C | Human computer interaction          | NO                         | 0                                                           |
| 8                                          | PEC-IT 601 D | Pattern Recognition                 | NO                         | 0                                                           |
| 9                                          | OEC-IT 601 A | Numerical methods                   | NO                         | 0                                                           |
| 10                                         | OEC-IT 601 B | Human computer interaction          | YES                        | 68                                                          |

  
 Signature of HoD  
 31-07-2023

**DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR**

**DEPARTMENT: IT, B.TECH 7TH SEMESTER (AY 2022-23)**

**NEW SYLLABUS**

| SRL NO. | PAPER CODE   | PAPER NAME                               | Course Offered<br>(Yes/No) | NO. OF STUDENTS<br>ENROLLED IN &<br>COMPLETED THE<br>COURSE |
|---------|--------------|------------------------------------------|----------------------------|-------------------------------------------------------------|
| 1       | PEC-IT 701 A | Internet Technology                      | NO                         | 0                                                           |
| 2       | PEC-IT 701 B | Quantum Computing                        | NO                         | 0                                                           |
| 3       | PEC-IT 701 C | Cloud Computing                          | YES                        | 61                                                          |
| 4       | PEC-IT 701 D | Machine Learning                         | NO                         | 0                                                           |
| 5       | PEC-IT 702 A | Multimedia Technology                    | NO                         | 0                                                           |
| 6       | PEC-IT 702 B | Neural Networks and Deep Learning        | NO                         | 0                                                           |
| 7       | PEC-IT 702 C | Softcomputing                            | NO                         | 0                                                           |
| 8       | PEC-IT 702 D | Ad- Hoc and Sensor Networks              | NO                         | 0                                                           |
| 9       | PEC-IT 702 E | Information Theory and Coding            | NO                         | 0                                                           |
| 10      | PEC-IT 702 F | Cyber Security                           | YES                        | 61                                                          |
| 11      | OEC-IT 701 A | Operation Research                       | YES                        | 61                                                          |
| 12      | OEC-IT 701 B | Introduction to Philosophical Thoughts   | NO                         | 0                                                           |
| 13      | OEC-IT 701 C | Soft skill & Interpersonal communication | NO                         | 0                                                           |

**DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR**

**DEPARTMENT: IT**

**B.TECH 8TH SEMESTER (AY 2022-23)**

**NEW SYLLABUS**

| SRL NO. | PAPER CODE     | PAPER NAME                             | Course Offered<br>(Yes/No) | NO. OF STUDENTS<br>ENROLLED IN &<br>COMPLETED THE<br>COURSE |
|---------|----------------|----------------------------------------|----------------------------|-------------------------------------------------------------|
| 1       | PEC- IT 801 A  | Signals and Networks                   | NO                         | 0                                                           |
| 2       | PEC- IT 801 B  | Cryptography & Network security        | NO                         | 0                                                           |
| 3       | PEC- IT 801 C  | Speech and Natural language processing | NO                         | 0                                                           |
| 4       | PEC- IT 801 D  | Internet of Things                     | YES                        | 61                                                          |
| 5       | PEC- IT 801 E  | Remote Sensing and GIS                 | NO                         | 0                                                           |
| 6       | OEC- IT 801 A  | Big data analysis                      | NO                         | 0                                                           |
| 7       | OEC- IT 801 B  | Cyber Law and Ethics                   | YES                        | 61                                                          |
| 8       | OEC- IT 801 C  | Mobile Computing                       | NO                         | 0                                                           |
| 9       | OEC- IT 801 D  | Bioinformatics                         | NO                         | 0                                                           |
| 10      | OEC- IT 801 E  | Robotics                               | NO                         | 0                                                           |
| 11      | OEC - IT 802 A | E-Commerce and ERP                     | YES                        | 61                                                          |
| 12      | OEC - IT 802 B | Micro electronics and VLSI Design      | NO                         | 0                                                           |
| 13      | OEC - IT 802 C | Economic Policies in India             | NO                         | 0                                                           |

Signature of HoD

*Sanjeev*  
31-07-2023