



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

GRADE CARD

BACHELOR OF TECHNOLOGY

Name : **SNIGDHA SUCHARITA SAHU**
Roll No. : **116CR0150**

Branch : **CERAMIC ENGINEERING**
Joined : **AY 2016-17** Graduated : **AY 2019-20**

1st Semester

| Subject Code | Subject Name | L-T-P | Credits | Grade |
|-----------------------|------------------------------------|--|---------|-------|
| CE130 | Environment and Safety Engineering | 3-1-0 | 4 | A |
| CY101 | Chemistry | 3-1-0 | 4 | B |
| EC100 | Basic Electronics Engineering | 3-1-0 | 4 | B |
| MA101 | Mathematics - I | 3-1-0 | 4 | P |
| PH101 | Physics - I | 3-1-0 | 4 | EX |
| CE171 | Engineering Drawing | 0-0-3 | 2 | EX |
| CS171 | Computing Laboratory - I | 0-0-3 | 2 | A |
| CY170 | Chemistry Laboratory | 0-0-3 | 2 | A |
| WS171 | Workshop Practice I | 0-0-3 | 2 | A |
| EA175 | Physical Education-I | 0-0-3 | 2 | EX |
| Semester Credits : 30 | | Semester Grade Point Average (SGPA): | | 8.47 |
| Total Credits : 30 | | Cumulative Grade Point Average (CGPA): | | 8.47 |

2nd Semester

| Subject Code | Subject Name | L-T-P | Credits | Grade |
|-----------------------|------------------------------------|--|---------|-------|
| CE100 | Engineering Mechanics | 3-1-0 | 4 | EX |
| CS102 | Data Structures and Algorithms | 3-1-0 | 4 | C |
| EE100 | Basic Electrical Engineering | 3-1-0 | 4 | C |
| MA102 | Mathematics - II | 3-1-0 | 4 | B |
| PH102 | Physics - II | 3-1-0 | 4 | A |
| CS172 | Computing Laboratory - II | 0-0-3 | 2 | A |
| ME170 | Machine Drawing and Solid Modeling | 0-0-3 | 2 | A |
| PH170 | Physics Laboratory | 0-0-3 | 2 | EX |
| WS172 | Workshop Practice - II | 0-0-3 | 2 | EX |
| EA174 | NSS-II | 0-0-3 | 2 | A |
| Semester Credits : 30 | | Semester Grade Point Average (SGPA): | | 8.60 |
| Total Credits : 60 | | Cumulative Grade Point Average (CGPA): | | 8.53 |

3rd Semester

| Subject Code | Subject Name | L-T-P | Credits | Grade |
|-----------------------|--|--|---------|-------|
| CR201 | Unit Operations in Ceramics Processing | 3-1-0 | 4 | A |
| CR203 | Ceramic Raw Materials | 3-1-0 | 4 | EX |
| CR205 | Materials Thermodynamics | 3-1-0 | 4 | A |
| MA201 | Mathematics - III | 3-1-0 | 4 | B |
| ME231 | Total Quality Management | 3-0-0 | 3 | B |
| CR271 | Chemical Analysis Laboratory | 0-0-3 | 2 | A |
| CR273 | Unit Operation Laboratory | 0-0-3 | 2 | A |
| EC270 | Basic Electronics Laboratory | 0-0-3 | 2 | A |
| MA270 | Numerical Methods Laboratory | 0-0-3 | 2 | A |
| Semester Credits : 27 | | Semester Grade Point Average (SGPA): | | 8.19 |
| Total Credits : 87 | | Cumulative Grade Point Average (CGPA): | | 8.64 |

4th Semester

| Subject Code | Subject Name | L-T-P | Credits | Grade |
|-----------------------|--|--|---------|-------|
| CR202 | Process Ceramics | 3-1-0 | 4 | B |
| CR204 | Fundamentals of Ceramics | 3-1-0 | 4 | C |
| CR212 | Science of Sintering | 3-1-0 | 4 | A |
| MA202 | Mathematics - IV | 3-1-0 | 4 | A |
| EC200 | Fundamentals of Communication Systems | 3-0-0 | 3 | A |
| CR272 | High Temperature Processing Laboratory | 0-0-3 | 2 | EX |
| CR274 | Ceramic Fabrication Laboratory | 0-0-3 | 2 | A |
| EE270 | Electrical Engineering Laboratory | 0-0-3 | 2 | A |
| HS270 | Language Laboratory | 0-0-3 | 2 | A |
| Semester Credits : 27 | | Semester Grade Point Average (SGPA): | | 8.63 |
| Total Credits : 114 | | Cumulative Grade Point Average (CGPA): | | 8.64 |

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| 5th Semester | | | | |
|------------------------------|-------------------------------------|--|---------|-------------|
| Subject Code | Subject Name | L-T-P | Credits | Grade |
| CR301 | Physical Ceramics | 3-1-0 | 4 | B |
| CR303 | Refractory Technology | 3-0-0 | 3 | C |
| CR305 | Glass Technology | 3-0-0 | 3 | A |
| CR311 | Instrumental Characterization | 3-0-0 | 3 | EX |
| MM448 | Advanced Engineering Materials | 3-0-0 | 3 | B |
| CR367 | Product Development Laboratory – I | 0-0-3 | 2 | B |
| CR373 | Refractory Technology Laboratory | 0-0-3 | 2 | A |
| CR375 | Glass Technology Laboratory | 0-0-3 | 2 | A |
| CR377 | Ceramic Characterization Laboratory | 0-0-3 | 2 | EX |
| Semester Credits : 24 | | Semester Grade Point Average (SGPA): | | 8.58 |
| Total Credits : 138 | | Cumulative Grade Point Average (CGPA): | | 8.63 |

| 7th Semester | | | | |
|------------------------------|---|--|---------|-------------|
| Subject Code | Subject Name | L-T-P | Credits | Grade |
| CR401 | Whiteware Technology | 3-0-0 | 3 | A |
| CR431 | Composite Materials | 3-0-0 | 3 | A |
| CR451 | Ceramic Coating | 3-0-0 | 3 | C |
| ME361 | Introduction to Transport Phenomena | 3-0-0 | 3 | B |
| CR471 | Cement Technology Laboratory | 0-0-3 | 2 | A |
| CR473 | Whiteware Technology Laboratory | 0-0-3 | 2 | EX |
| CR475 | Ceramic Equipment Design Laboratory | 0-0-3 | 2 | A |
| CR493 | Seminar and Technical Writing – I | 0-0-0 | 2 | EX |
| CR491 | Research Project – I | 0-0-0 | 4 | A |
| CR495 | Short Term Industrial/Research Experience | 0-0-3 | 2 | A |
| Semester Credits : 26 | | Semester Grade Point Average (SGPA): | | 8.81 |
| Total Credits : 189 | | Cumulative Grade Point Average (CGPA): | | 8.66 |

| REMARKS : | Performance | Grade | Grade Point |
|-----------|-------------|-------|-------------|
| | Excellent | Ex | 10 |
| | Very Good | A | 9 |
| | Good | B | 8 |

| 6th Semester | | | | |
|------------------------------|--|--|---------|-------------|
| Subject Code | Subject Name | L-T-P | Credits | Grade |
| CR320 | Metallurgical Processes | 3-1-0 | 4 | B |
| CR322 | Fuel and Furnace Technology | 3-1-0 | 4 | A |
| BM429 | Materials in Medical Science | 3-0-0 | 3 | A |
| CR324 | Unshaped Refractories | 3-0-0 | 3 | B |
| CR352 | Interface Science and Sol-gel processing | 3-0-0 | 3 | B |
| CR368 | Product Development Laboratory – II | 0-0-3 | 2 | B |
| CR370 | Mechanical Testing Laboratory | 0-0-3 | 2 | EX |
| CR376 | Furnace Design Laboratory | 0-0-3 | 2 | A |
| CR366 | Research Practice | 0-0-0 | 2 | EX |
| Semester Credits : 25 | | Semester Grade Point Average (SGPA): | | 8.68 |
| Total Credits : 163 | | Cumulative Grade Point Average (CGPA): | | 8.64 |

| 8th Semester | | | | |
|------------------------------|--|--|---------|-------------|
| Subject Code | Subject Name | L-T-P | Credits | Grade |
| CR402 | Electroceramics | 3-1-0 | 4 | C |
| CR452 | Bioceramics | 3-0-0 | 3 | B |
| CR454 | Nanoceramics | 3-0-0 | 3 | EX |
| PH321 | Physics of Semiconducting Materials | 3-0-0 | 3 | A |
| CR472 | Electroceramics Laboratory | 0-0-3 | 2 | A |
| CR474 | Ceramic Powder Synthesis Project | 0-0-3 | 2 | A |
| CR478 | Data Analysis and Modeling using MATLAB and Simulink | 0-0-3 | 2 | A |
| CR494 | Seminar and Technical Writing – II | 0-0-0 | 2 | EX |
| CR492 | Research Project – II | 0-0-0 | 4 | B |
| CR496 | Comprehensive Viva-Voce | 0-0-0 | 2 | EX |
| Semester Credits : 27 | | Semester Grade Point Average (SGPA): | | 8.70 |
| Total Credits : 216 | | Cumulative Grade Point Average (CGPA): | | 8.67 |

| Performance | Grade | Grade Point |
|--------------|-------|-------------|
| Fair | C | 7 |
| Average | D | 6 |
| Pass | P | 5 |
| Satisfactory | S | - |

ASSISTANT REGISTRAR (ACADEMIC)

Assistant Registrar
(Academic)

National Institute of Technology
Rourkela-769008, Odisha

COMPARED BY