



University of Mumbai

GRADE CARD

CCF.0534: 0331

NAME : NARKHEDE SOMANSHU RAJENDRA SUNITA
EXAMINATION : FIRST YEAR ENGINEERING(SEM I)(CBGS)(CHOICE BASE)
HELD IN : DECEMBER 2016
SEAT NUMBER : 13109822 16013109822

| COURSE CODE | COURSE TITLE | COURSE CREDITS | GRADE | | | CREDIT EARNED (C) | GRADE POINTS (G) | C X G |
|--------------|-------------------------------|----------------|-----------|--------|---------|-------------------|------------------|-----------|
| | | | ESE/PR/OR | IA/TW | OVERALL | | | |
| FEC101 | APPLIED MATHEMATICS - I | 4 1 | P -- | O O | D O | 4 1 | 6 10 | 24 10 |
| FEC102 | APPLIED PHYSICS - I | 3 0.5 | P -- | C B | E B | 3 0.5 | 5 8 | 15 4.0 |
| FEC103 | APPLIED CHEMISTRY - I | 3 0.5 | D -- | B D | D D | 3 0.5 | 6 6 | 18 3.0 |
| FEC104 | ENGINEERING MECHANICS | 5 1 | E O | O C | D B | 5 1 | 6 8 | 30 8 |
| FEC105 | BASIC ELECTRICAL ENGINEERING | 4 1 | E C | C O | D A | 4 1 | 6 9 | 24 9 |
| FEC106 | ENVIRONMENTAL STUDIES (EVS) | 2 | C | C | C | 2 | 7 | 14 |
| FEL101 | BASIC WORKSHOP & PRACTICE - I | 2 | -- | O | O | 2 | 10 | 20 |
| TOTAL | | 27 | | | | 27 | -- | 179.00 |

Remark : **Successful**

SGPI : 6.63

CGPI :

Result Declared on : MARCH 07, 2017

Received ₹ 50/-

OFFG. **CONTROLLER OF EXAMINATIONS**

As per Maharashtra Public Universities Act 2016 Nomenclature of "Controller of Examinations" changed to "Director, Board of Examinations and Evaluation"

F-Head of Failure,--Not Applicable, Ab-Absent,/Female,SGPI = $\Sigma (CXG)/\Sigma (C)$ -- Dyslexia Benefit.

P.T.O.

0008548



University of Mumbai

GRADE CARD

CCF:534 : 0315

NAME : NARKHEDE SOMANSHU RAJENDRA SUNITA
EXAMINATION : FIRST YEAR ENGINEERING SEMESTER II (CBCGS)(CHOICE BASE)
HELD IN : MAY 2017
SEAT NUMBER : 13209651 **REGISTRATION NO.:** 16013109822

| COURSE CODE | COURSE TITLE | COURSE CREDITS | GRADE | | | CREDIT EARNED (C) | GRADE POINTS (G) | C X G |
|--------------|----------------------------------|----------------|-----------|--------|---------|-------------------|------------------|------------|
| | | | ESE/PR/OR | IA/TW | OVERALL | | | |
| FEC201 | APPLIED MATHEMATICS - II. | 4 1 | P -- | C A | P A | 4 1 | 4 9 | 16 9 |
| FEC202 | APPLIED PHYSICS - II | 3 0.5 | D -- | B O | D O | 3 0.5 | 6 10 | 18 5.0 |
| FEC203 | APPLIED CHEMISTRY - II | 3 0.5 | C -- | O O | C O | 3 0.5 | 7 10 | 21 5.0 |
| FEC204 | ENGINEERING DRAWING | 3 2 | D O | O O | C O | 3 2 | 7 10 | 21 20 |
| FEC205 | STRUCTURED PROGRAMMING AP PROACH | 4 1 | P A | C C | P C | 4 1 | 4 7 | 16 7 |
| FEC206 | COMMUNICATION SKILLS | 2 1 | C -- | D O | C O | 2 1 | 7 10 | 14 10.0 |
| FEL201 | BASIC WORKSHOP PRACTICE - II | 2 | -- | O | O | 2 | 10 | 20 |
| TOTAL | | 27 | | | | 27 | -- | 182.00 |

Remark : Successful

SGPI : 6.74

CGPI :

Result Declared on : AUGUST 23, 2017

Received ₹ 50/-

Director
Board of Examinations and Evaluation
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

F-Head of Failure,--Not Applicable, Ab-Absent/Female,SGPI = $\Sigma (CXG)/\Sigma (C)$ -- Dyslexia Benefit.

P.T.O.

0168790

VIDYALANKAR INSTITUTE OF TECHNOLOGY

Vidyalankar Marg, Wadala (E), Mumbai 400 037
(Affiliated to University of Mumbai)

GRADE CARD

Name : NARKHEDE SOMANSHU RAJENDRA SUNITA Seat No. : 536040
Examination : Second Year BIOMEDICAL ENGINEERING (Semester 3)
of syllabus Revised (2016) held in November-2017

| Scheme Code | Course Title | Head/s of Passing | Course Credits | Grade Obtained | Credits Earned (C) | Grade Point (G) | C x G |
|--------------|-----------------------------------------------|-------------------|----------------|----------------|--------------------|-----------------|------------|
| BMC301 | APPLIED MATHEMATICS III | ESE+IA | 04 | E | 04 | 05 | 20 |
| | | TW | 01 | C | 01 | 07 | 07 |
| BMC302 | BASICS OF HUMAN PHYSIOLOGY | ESE+IA | 04 | A | 04 | 09 | 36 |
| BMC303 | ELECTRICAL NETWORK ANALYSIS AND SYNTHESIS | ESE+IA | 04 | D | 04 | 06 | 24 |
| BMC304 | ELECTRONIC CIRCUIT ANALYSIS AND DESIGN | ESE+IA | 04 | P | 04 | 04 | 16 |
| BMC305 | BIOMATERIALS, PROSTHETICS AND ORTHOTICS | ESE+IA | 04 | C | 04 | 07 | 28 |
| BML301 | OBJECT ORIENTED PROGRAMING LAB | PRACTS+TW | 02 | O | 02 | 10 | 20 |
| BML302 | BASICS OF HUMAN PHYSIOLOGY LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| BML303 | ELECTRICAL NETWORK ANALYSIS AND SYNTHESIS LAB | ORAL+TW | 01 | A | 01 | 09 | 09 |
| BML304 | ELECTRONIC CIRCUIT ANALYSIS AND DESIGN LAB | PRACTS+TW | 01 | B | 01 | 08 | 08 |
| BML305 | BIOMATERIALS, PROSTHETICS AND ORTHOTICS LAB | ORAL+TW | 01 | A | 01 | 09 | 09 |
| Total | | | 27 | - | 27 | 84 | 187 |

Result : PASSES

SGPI : 6.93



Issued On : April 03, 2018

(Signature)
Principal

16105A0039



VIDYALANKAR INSTITUTE OF TECHNOLOGY

Vidyalankar Marg, Wadala (E), Mumbai 400 037
(Affiliated to University of Mumbai)

GRADE CARD

Name : NARKHEDE SOMANSHU RAJENDRA SUNITA
Examination : Second Year BIOMEDICAL ENGINEERING (Semester 4)
of syllabus Revised (2016) held in May-2018

Seat No. : 546035

| Scheme Code | Course Title | Head/s of Passing | Course Credits | Grade Obtained | Credits Earned (C) | Grade Point (G) | C x G |
|--------------|------------------------------------------------------|-------------------|----------------|----------------|--------------------|-----------------|-------|
| BMC401 | APPLIED MATHEMATICS IV | ESE+IA | 04 | C | 04 | 07 | 28 |
| | | TW | 01 | C | 01 | 07 | 07 |
| BMC402 | BIOMEDICAL TRANSDUCERS AND MEASURING INSTRUMENTS | ESE+IA | 04 | A | 04 | 09 | 36 |
| BMC403 | LINEAR INTEGRATED CIRCUITS | ESE+IA | 04 | C | 04 | 07 | 28 |
| BMC404 | DIGITAL ELECTRONICS | ESE+IA | 04 | B | 04 | 08 | 32 |
| BMC405 | SIGNALS AND CONTROL SYSTEMS | ESE+IA | 04 | D | 04 | 06 | 24 |
| BML401 | INTRODUCTION TO SIMULATIONS TOOLS LAB | PRACTS+TW | 01 | A | 01 | 09 | 09 |
| BML402 | BIOMEDICAL TRANSDUCERS AND MEASURING INSTRUMENTS LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| BML403 | LINEAR INTEGRATED CIRCUITS LAB | ORAL+TW | 01 | A | 01 | 09 | 09 |
| BML404 | DIGITAL ELECTRONICS LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| BML405 | SIGNALS AND CONTROL SYSTEMS LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| Total | | | 26 | - | 26 | 92 | 203 |

Result : PASSES

SGPI : 7.81

Issued On : October 01 ,2018

Principal

16105A0039



VIDYALANKAR INSTITUTE OF TECHNOLOGY

Vidyalankar Marg, Wadala (E), Mumbai 400 037
(Affiliated to University of Mumbai)

GRADE CARD

Name : NARKHEDE SOMANSHU RAJENDRA SUNITA Seat No. : 556025
Examination : Third Year BIOMEDICAL ENGINEERING (Semester 5) of
syllabus Revised (2016) held in December-2018

| Scheme Code | Course Title | Head/s of Passing | Course Credits | Grade Obtained | Credits Earned (C) | Grade Point (G) | C x G |
|--------------|-------------------------------------------------|-------------------|----------------|----------------|--------------------|-----------------|-------|
| BMC501 | DIAGNOSTIC & THERAPEUTIC INSTRUMENTS | ESE+IA | 04 | A | 04 | 09 | 36 |
| BMC502 | ANALOG AND DIGITAL CIRCUIT DESIGN | ESE+IA | 04 | A | 04 | 09 | 36 |
| BMC503 | PRINCIPLES OF COMMUNICATION ENGINEERING | ESE+IA | 04 | C | 04 | 07 | 28 |
| BMC504 | BIOMEDICAL DIGITAL SIGNAL PROCESSING | ESE+IA | 04 | C | 04 | 07 | 28 |
| BMDLL5012 | BIOSTATISTICS LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| BMDLO5012 | BIOSTATISTICS | ESE+IA | 04 | C | 04 | 07 | 28 |
| BML501 | BUSINESS COMMUNICATION AND ETHICS LAB | TW | 02 | O | 02 | 10 | 20 |
| BML502 | DIAGNOSTIC AND THERAPEUTIC INSTRUMENTS LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| BML503 | INTEGRATED AND COMMUNICATION CIRCUIT DESIGN LAB | PRACTS+TW | 01 | O | 01 | 10 | 10 |
| BML504 | BIOMEDICAL DIGITAL SIGNAL PROCESSING LAB | PRACTS+TW | 01 | B | 01 | 08 | 08 |
| Total | | | 26 | - | 26 | 87 | 214 |

Result : PASSES



SGPI : 8.23

Issued On : March 28 ,2019

[Signature]
Principal

16105A0039



VIDYALANKAR INSTITUTE OF TECHNOLOGY

Vidyalankar Marg, Wadala (E), Mumbai 400 037
(Affiliated to University of Mumbai)

GRADE CARD

Name : NARKHEDE SOMANSHU RAJENDRA SUNITA Seat No. : 566026
Examination : Third Year BIOMEDICAL ENGINEERING (Semester 6) of
syllabus Revised (2016) held in May-2019

| Scheme Code | Course Title | Head/s of Passing | Course Credits | Grade Obtained | Credits Earned (C) | Grade Point (G) | C x G |
|--------------|------------------------------------------|-------------------|----------------|----------------|--------------------|-----------------|-------|
| BMC601 | BIOMEDICAL MONITORING EQUIPMENT | ESE+IA | 04 | O | 04 | 10 | 40 |
| BMC602 | MICROPROCESSORS AND MICROCONTROLLERS | ESE+IA | 04 | D | 04 | 06 | 24 |
| BMC603 | DIGITAL IMAGE PROCESSING | ESE+IA | 04 | O | 04 | 10 | 40 |
| BMC604 | MEDICAL IMAGING-I | ESE+IA | 04 | A | 04 | 09 | 36 |
| BMDLL6022 | LASERS & FIBRE OPTICS LAB | ORAL+TW | 01 | A | 01 | 09 | 09 |
| BMDLO6022 | LASERS AND FIBRE OPTICS | ESE+IA | 04 | O | 04 | 10 | 40 |
| BML601 | BIOMEDICAL MONITORING EQUIPMENT LAB | PRACTS+TW | 01 | O | 01 | 10 | 10 |
| BML602 | MICROPROCESSORS AND MICROCONTROLLERS LAB | PRACTS+TW | 01 | B | 01 | 08 | 08 |
| BML603 | DIGITAL IMAGE PROCESSING LAB | PRACTS+TW | 01 | O | 01 | 10 | 10 |
| BML604 | MEDICAL IMAGING-I LAB | ORAL+TW | 01 | O | 01 | 10 | 10 |
| Total | | | 25 | - | 25 | 92 | 227 |

Result : PASSES



SGPI : 9.08

Issued On : August 23 ,2019

Urb
Principal

16105A0039





University of Mumbai

CCF: 534: 0040

GRADE CARD

NAME : NARKHEDE SOMANSHU RAJENDRA SUNITA

EXAMINATION : B. E. (BIOMEDICAL ENGINEERING) (SEM VII) (CHOICE BASED)

HELD IN : NOVEMBER 2019

SEAT NUMBER : 3270091

| COURSE CODE | COURSE TITLE | COURSE CREDITS | GRADE | | | CREDIT EARNED (C) | GRADE POINTS (G) | C X G |
|---------------|-------------------------------------------------------------|----------------|-----------|-------|---------|-------------------|------------------|--------|
| | | | ESE/PR/OR | IA/TW | OVERALL | | | |
| BMC701 | LIFE SAVING & SURGICAL EQUIPMENT | 4 | O | O | O | 4 | 10 | 40 |
| | | 1 | O | O | O | 1 | 10 | 10 |
| BMC702 | VERY LARGE SCALE INTEGRATED SYSTEM | 4 | D | O | C | 4 | 7 | 28 |
| | | 1 | O | O | O | 1 | 10 | 10 |
| BMC703 | MEDICAL IMAGING-II | 4 | B | O | A | 4 | 9 | 36 |
| | | 1 | O | O | O | 1 | 10 | 10 |
| BMDLO 7031 | DEPT. LEVEL OPT-III NETWORKING AND INFORMATION IN MEDICAL S | 4 | D | O | C | 4 | 7 | 28 |
| | | 1 | O | O | O | 1 | 10 | 10 |
| ILD10 16 | INST. LEVEL OPT-I CYBER SECURITY & LAWS | 3 | C | O | C | 3 | 7 | 21 |
| BML704 | PROJECT - STAG - I | 3 | O | O | O | 3 | 10 | 30 |
| TOTAL | | 26 | | | | 26 | -- | 223.00 |

Remark : Successful

SGPI : 8.58

CGPI :

Result Declared on : 30TH DECEMBER, 2019

DIRECTOR

BOARD OF EXAMINATIONS & EVALUATION

F-Head of Failure,--Not Applicable, Ab-Absent,/Female,SGPI = $\Sigma (CXG)/\Sigma (C)$ ~ - Dyslexia Benefit.

P.T.O.

0237264



University of Mumbai

GRADE CARD

CCF:534:0009

Name : NARKHEDE SOMANSHU RAJENDRA SUNITA
Examination : B.E. (BIO-MEDICAL ENGINEERING)(SEM.-VIII)(CBCGS)
Held In : OCTOBER 2020
Seat Number : 3280059

| Course Code | Course Title | | Maximum Marks | Minimum Marks | Marks Obtained | Credits (C) | Grade | Grade Points (G) | C x G |
|-------------|---------------------------------|-------|---------------|---------------|----------------|-------------|-------|------------------|--------|
| BMC801 | BIOMEDICAL MICROSYSTEMS | ESE | 80 | 32 | 64 | | - | | |
| | | IA | 20 | 8 | 20 | | - | | |
| | | TOTAL | 100 | | 84 | 4.00 | O | 10 | 40.00 |
| BMC802 | HOSPITAL MANAGEMENT | ESE | 80 | 32 | 77 | | - | | |
| | | IA | 20 | 8 | 20 | | - | | |
| | | TOTAL | 100 | | 97 | 4.00 | O | 10 | 40.00 |
| BMDLO8042 | ROBOTICS IN MEDICINE | ESE | 80 | 32 | 77 | | - | | |
| | | IA | 20 | 8 | 20 | | - | | |
| | | TOTAL | 100 | | 97 | 4.00 | O | 10 | 40.00 |
| ILO8028 | DIGITAL BUSINESS MANAGEMENT | ESE | 80 | 32 | 80 | | - | | |
| | | IA | 20 | 8 | 19 | | - | | |
| | | TOTAL | 100 | | 99 | 3.00 | O | 10 | 30.00 |
| BML801 | BIOMEDICAL MICROSYSTEMS | TW | 25 | 10 | 21 | | - | | |
| | | OR | 25 | 10 | 21 | | - | | |
| | | TOTAL | 50 | | 42 | 1.00 | O | 10 | 10.00 |
| BML802 | HOSPITAL MANAGEMENT | TW | 25 | 10 | 22 | | - | | |
| | | OR | 25 | 10 | 23 | | - | | |
| | | TOTAL | 50 | | 45 | 1.00 | O | 10 | 10.00 |
| BMDLL8012 | ROBOTICS IN MEDICINE LABORATORY | TW | 25 | 10 | 23 | | - | | |
| | | OR | 25 | 10 | 24 | | - | | |
| | | TOTAL | 50 | | 47 | 1.00 | O | 10 | 10.00 |
| BML803 | PROJECT STAGE-II | TW | 50 | 20 | 48 | | - | | |
| | | PR/OR | 100 | 40 | 97 | | - | | |
| | | TOTAL | 150 | | 145 | 6.00 | O | 10 | 60.00 |
| GRAND TOTAL | | | 700 | | 656 | 24.00 | | | 240.00 |

Sem. I CRED.: 27.00 SGPI: 6.63
 Sem. III CRED.: 27.00 SGPI: 6.93
 Sem. V CRED.: 26.00 SGPI: 8.23
 Sem. VII CRED.: 26.00 SGPI: 8.58

Sem. II CRED.: 27.00 SGPI: 6.74
 Sem. IV CRED.: 26.00 SGPI: 7.81
 Sem. VI CRED.: 25.00 SGPI: 9.08
 Sem. VIII CRED.: 24.00 SGPI: 10.00

Remark : SUCCESSFUL CGPI : 7.96

Result Declared On : NOVEMBER 18, 2020

V. Subal
 DIRECTOR
 BOARD OF EXAMINATIONS AND EVALUATION

**Letter grades and their equivalent grade point applicable for Engineering/Pharmacy
(Under Graduate)**

| Percentage of Marks Obtained | Letter Grade | Grade Point | Performance |
|------------------------------|--------------|-------------|-------------|
| 80.00 and above | O | 10 | Outstanding |
| 75.00 - 79.99 | A | 9 | Excellent |
| 70.00 - 74.99 | B | 8 | Very Good |
| 60.00 - 69.99 | C | 7 | Good |
| 50.00 - 59.99 | D | 6 | Fair |
| 45.00 - 49.99 | E | 5 | Average |
| 40.00 - 44.99 | P | 4 | Pass |
| Less than 40.00 | F | 0 | Fail |

**Letter grades and their equivalent grade point applicable for Engineering/Pharmacy
(Post Graduate)**

| Percentage of Marks Obtained | Letter Grade | Grade Point | Performance |
|------------------------------|--------------|-------------|-------------|
| 80.00 and above | O | 10 | Outstanding |
| 75.00 - 79.99 | A | 9 | Excellent |
| 70.00 - 74.99 | B | 8 | Very Good |
| 60.00 - 69.99 | C | 7 | Good |
| 55.00 - 59.99 | D | 6 | Fair |
| 50.00 - 54.99 | E | 5 | Average |
| 45.00 - 49.99 | P | 4 | Pass |
| Less than 45.00 | F | 0 | Fail |

| | | |
|------|---|------------------------------------|
| IA | - | Internal Assessment |
| TW | - | Term Work |
| ESE | - | End Semester Examination |
| OR | - | Oral |
| PR | - | Practical |
| UA | - | University Assessment |
| CA | - | College Assessment |
| SGPI | - | Semester Grade Performance Index |
| CGPI | - | Cumulative Grade Performance Index |

| Symbols | Description |
|---------|-----------------------------------|
| F | Head of Failure |
| -- | Not Applicable |
| Ab | Absent |
| / | Female |
| @ | O.5042/O.5043 |
| * | O.5045 |
| # | O.229 |
| \$ | Carried forward Grade of the Head |
| + | Marks Carried |
| E | Exemption in the head |
| ~ | Dyslexia Benefit |