**ENUGU STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF ENGINEERING**

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

***INTERNAL MEMORANDUM***

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| **To**: College Librarian, | **From**: H.O.D,Biomedical Engineering |
| **Thro:** Dean of Engineering | **Date:** 18/07/2025 |
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**RE: REQUEST FOR LIST OF RELEVANT BOOKS AND JOURNALS AHEAD OF ACCREDITATION EXERCISE**

Kindly find below list of recommended biomedical engineering textbooks and journals for consideration.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/N** | **Title** | **Author(s)** |  | **Publisher** |  | **Year** | **ISBN-13** |  |
|  |  |  |  |  |  |  |  |  |
|  | Handbook of artificial intelligence in biomedical engineering |  |  | Palm Bay, FL : Apple Academic Press |  |  |  |  |
| 1 | Saravanan, Krishnan |  |  | 2021 | ISBN : 9781003045564 |  |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  |
| 2 | Biomedical engineering fundamentals | Kutz, Myer |  | New York, N.Y. : McGraw-Hill Education |  | 2021 | 9781260136272 |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | by Nandita |  |  |  |  |  |  |
|  |  | Dasgupta; Vineeta |  | CRC Press |  |  |  |  |
|  |  | Singh; Shivendu |  |  |  |  |  |
| 3 | *3D Printing in Biotechnology* |  | (Taylor & |  | 2023 | ISBN: 9780128203019 |  |
| Ranjan; Taijshee |  |  |  |
|  |  |  | Francis) |  |  |  |  |
|  |  | Mishra; Bhartendu |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  | Nath Mishra |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Instrumentation handbook for biomedical engineers | Sahin, Mesut |  | Boca Raton : CRC Press |  | 2021 | 9781466504691 |  |
| 4 |  |  |  |
|  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  |
| 5 | *Biomedical Signal Processing and* | Eugene N. Bruce |  | Wiley- |  | 2001 | 978-0471345404 |  |
|  | *Signal Modeling* |  |  | Interscience |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**Journals**

|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
| S/N |  | **Journal Title** | **Publisher** |  | **ISSN** |  |
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|  |  |  |  |  |  |  |
| 1 |  | *Nature Biomedical Engineering* | Nature Publishing Group |  | 2157-846X |  |
|  |  |  |  |  | |  |
| 2 |  | *Biomaterials* | Elsevier |  | 0142-9612 |  |
|  |  |  |  |  |  |  |
| 3 |  | *Medical Devices: Evidence and* | Dove Medical Press (Taylor & Francis) |  | 1179-1470 |  |
|  | *Research* |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 4 |  | *Science Translational Medicine* | American Association for the Advancement of |  | 1946-6234 |  |
|  | Science (AAAS) |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 5 |  | *Computers in Biology and* | Elsevier |  | 0010-4825 |  |
|  | *Medicine* |  |  |
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**Engr. Prof. Nnenna .H. Nwobodo-Nzeribe**

(Head of Department)