

SELF STUDY ASSESMENT-2

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| ACADEMIC YEAR | 2023-2024 | DEPARTMENT | ELECTRICAL AND ELECTRONICS ENGINEERING |
| YEAR/SEMESTER | III/V | SUBJECT CODE/NAME | 20EE5901-BIOMEDICAL NSTRUMENTATION |

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| --- | --- |
| Assessment Name | SSA 2 Journal Reading |
| TITLE |  |
| PO |  |
| Submission Date |  |

SUBMITTED BY:

NAME:

ROLL NUMBER:

REGISTER NUMBER:

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| --- | --- | --- | --- | --- | --- | --- |
| Objective  (3) | Context and Relevance  (2) | Technology aspects and relevant drawings  (5) | Emerging trends ideas you visualize in the field  (5) | Conclusion  (3) | References  (2) | Total  (20) |
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Self-Study Assessment 2–Journal Reading

LAST DATE :02.09.2024

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Batch | Sl.No | Reg. No. | NAME | Title | CO | PO | BTL |
| Batch 1 | 1 | 811722105016 | DHARSHAN VIJAY D | Implementation of a colorimetric algorithm for portable blood gas analysis <https://ieeexplore.ieee.org/document/5696175/authors#authors> [Effect of electrode structure on the packing material surface discharge characteristics in dielectric barrier discharge](https://ieeexplore.ieee.org/document/9845877/) <https://ieeexplore.ieee.org/document/9845877> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 2 | 811722105018 | GNANA PRAKASH K |
| 3 | 811722105005 | ANAND KUMAR K |
| 4 | 811722105303 | DINESH KUMAR N |
| 5 | 811722105020 | GOPIKA SRI B |
| Batch 2 | 6 | 811722105026 | KEERTHANA C | Continuous Intra-Arterial Blood pH Monitoring by a Fiber-Optic Fluorosensor <https://ieeexplore.ieee.org/document/5696742> [Design of a low noise low power preamplifier used for portable biomedical signal acquisition](https://ieeexplore.ieee.org/document/7852998/) <https://ieeexplore.ieee.org/document/7852998> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 7 | 811722105048 | SASIKUMAR S |
| 8 | 811722105010 | BARATH KUMAR V |
| 9 | 811722105004 | ADHINAYAGAN S |
| Batch 3 | 10 | 811722105057 | VISHAL S J | A preliminary investigation of the robustness of a measuring instrument for blood-pCO2 measurement during ECC <https://ieeexplore.ieee.org/document/9459922> [Metaheuristic algorithms-based approach for optimal design of improvised fully differential amplifier for biomedical applications](https://ieeexplore.ieee.org/document/9455831/) <https://ieeexplore.ieee.org/document/9455831> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 11 | 811722105034 | MUGESH KANNAN R |
| 12 | 811722105015 | DHARSHAN S |
| 13 | 811722105003 | AATHIKESAVAN A |
| Batch 4 | 14 | 811722105028 | MANOJ KUMAR S | [RBC flow imaging and pO/sub 2/ measurement in cerebral microcirculation:effect of hemodilution on oxygen supply to brain cortical arterioles](https://ieeexplore.ieee.org/document/1279426/) <https://ieeexplore.ieee.org/document/1279426> [Research on the construction method of photoelectric detection preamplifier circuit combined with single chip microcomputer technology](https://ieeexplore.ieee.org/document/9574144/) <https://ieeexplore.ieee.org/document/9574144> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 15 | 811722105043 | RAHUL M |
| 16 | 811722105304 | PRASANNA J |
| 17 | 811722105019 | GOKULRAJ K |
| Batch 5 | 18 | 811722105049 | STEPEN RINO S | Platform for all-polymer-based pulse-oximetry sensor <https://ieeexplore.ieee.org/document/5690678> Ultra Low-Power Low-Voltage Integrated Preamplifier Using Class-AB Op-Amp for Biomedical Sensor Application <https://ieeexplore.ieee.org/document/4441836> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 19 | 811722105059 | YAKESH R |
| 20 | 811722105046 | SANTHOSH KUMAR B |
| 21 | 811722105056 | VISHAL M |
| Batch 6 | 22 | 811722105045 | REEGAN AROCKIYARAJ S | [IoT Architectures for Noninvasive Blood Glucose and Blood Pressure Monitoring](https://ieeexplore.ieee.org/document/9096233/) <https://ieeexplore.ieee.org/document/9096233> [A Novel High- Performance Preamplifier for Biological Applications](https://ieeexplore.ieee.org/document/4502888/) https://ieeexplore.ieee.org/document/4502888 | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 23 | 811722105038 | PAVITHRA M |
| 24 | 811722105305 | RAGUL RAJ M |
| 25 | 811722105306 | SABESHKUMAR K |
| Batch 7 | 26 | 811722105031 | MOHAMED FAIZAL A | [Smart IoT Solutions for Personalized Health: MQTT- Based Blood Pressure Monitoring System](https://ieeexplore.ieee.org/document/10395748/) <https://ieeexplore.ieee.org/document/10395748>  A Low-Cost Multichannel Preamplifier for Physiological Signal  <https://ieeexplore.ieee.org/document/4122535> | CO2  CO3 | PO7, PO8, PO10, PO12 | BTL4 |
| 27 | 811722105021 | HARIHARAN E |
| 28 | 811722105009 | BARATH K V |
| 29 | 811722105002 | AAKASH S |