



CSMSS
Chhatrapati Shahu Maharaj Shikshan Sanstha's
CHH. SHAHU COLLEGE OF ENGINEERING
Kanchanwadi, Paithan Road, Chhatrapati Sambhajinagar 431 011
Ph. No.: (0240) 2646373, 9922668199, 2646350 Fax: (0240) 2646222
Website: www.csmssengg.org



Approved by AICTE New Delhi, DTE (Govt. of Maharashtra) and affiliated to Dr. BATU, Lonere (Raigad). DTE Code: 2533

Date : 06-Jan-2025

To,

The Principal

CSMSS Chh. Shahu College of Engineering,
Chhatrapati Sambhajinagar.

Subject: A.Y. 2024-25 (1st July to 31 Dec. 2024) Patents, books/chapters, and proceedings articles **First and second round Juries/reviewer's evaluation report** of eligible faculties details for Financial Support towards research and publication Policy.

First Evaluation Round Report (02-01-2025)

Sr.	Contribution Details	Category	Faculty Name	Amount
1	Applicants Name : Mr. Arvind S. Sardar Title: ARTIFICIAL INTELLIGENCE BASED CERVICAL CANCER DETECTION DEVICE, Grant: Grant : 16/08/2024 ✓ Patent Application No.: 427263-001 Date of Application / Filing : 16/08/2024	Patent: Design 1 st Position	Prof. A.S. Sardar (CS&E) ✓	10,000/-
2	Applicants Name : Dr. Gurucharansigh J. Sahani Title: DEVICE TO HARVEST ENERGY FROM PLANT ROOTS, Grant : 18/08/2024 ✓ Patent Application No.: 427355-001 Date of Application / Filing : 18/08/2024	Patent: Design 1 st Position	Dr. G. J. Sahani (CS&E) ✓	10,000/-
3	Applicants Name : Mr. Pankaj S. Umate Title: Machine Learning and IOT-Based device to measure sugar levels in diabetes through saliva, , Grant: 20/08/2024 ✓ Patent Application No.: 427596-001 Date of Application / Filing : 20/8/2024	Patent: Design 1 st Position	Prof. P. S. Umate (CS&E) ✓	10,000/-
4	Applicant Names: Dr. Shrinivas R. Zanwar Title: Artificial Intelligence Based Brain Monitoring Headset, Grant: 20/08/2024 ✓ Patent Application No: 427598001 Date of application/Filing: 29/06/2024	Patent: Design 1 st Position	Dr. S. R. Zanwar (AI & DS) ✓	10,000/-
5	Applicant Names: Dr. R. P. Chopade Title: Rotary Evaporator for Herbal Drug Extraction, Grant: 18/08/2024 ✓ Patent Application No. :427356-001 Date of application/Filing. : 18-08-2024	Patent: Design 1 st Position	Dr. R. P. Chopade (Mechanical Engineering) ✓	10,000/-
6	Bhosale, Yogesh H., et al. "Thoracic net: Explainable artificial intelligence (XAI) based few	Journal Article	Dr. Y. H. Bhosale ✓	20,000/-

BY

09 January 2025

Page 1 of 3

04/01/25

Recommended for permission
07/01/2025



Chhatrapati Shahu Maharaj Shikshan Sanstha's
CHH. SHAHU COLLEGE OF ENGINEERING

Kanchanwadi, Paithan Road, Chhatrapati Sambhajnagar 431 011
Ph. No.: (0240) 2646373, 9922668199, 2646350 Fax: (0240) 2646222
Website: www.csmssengg.org



Approved by AICTE New Delhi, DTE (Govt. of Maharashtra) and affiliated to Dr. BATU, Lonere (Raigad). DTE Code: 2533

	shots learning feature fusion technique for multi-classifying thoracic diseases using medical imaging." <i>Multimedia Tools and Applications</i> (2024): 1-37.	(Scopus Q1 – 1 st Position)	(CS&E)	
7	Suvarna S. Pawar, Mukund B. Wagh , Nandkishor P. Karlekar, Vishal V. Puri, G. J. Sahani , Swati V. Khidse , A Linear Swarm – Based Intelligence for Resource Allocation and Fault Prediction in Cloud, Panamerican Mathematical Journal, Vol 34, Iss 4, PP. 257-270	Journal Article (Scopus Q4 – 2 nd Position)	Dr. M. B. Wagh (CS&E)	5,000/-
8	Jadhav, M. L., Honade, S. J. , Wanare, A. L., & Sardar, V. M. (2024). Automatic Exudate Detection from Retinal Fundus Images in Diabetic Retinopathy. <i>Library Progress International</i> , 44(3), 2662-2671.	Journal Article (Scopus Q4 – 2 nd Position)	Dr. S. J. Honade (EE-VLSI D&T)	5,000/-
9	Patil, Deepakkumar , Shirish Kadam, Haresh Mahala, Divya Chavan, Abhijit Takle, and Mudigonda Sadaiah. "Comparative performance analysis of PVD-coated tools in orthogonal turning of duplex stainless steel." <i>Journal of Micromanufacturing</i> (2024): 25165984241301532.	Journal Article (Scopus Q2 – 1 st Position)	Dr. D. H. Patil , (Mechanical Engineering)	20,000/-
10	Dr. D. B. Mohite, Prof. P G Sonar , Design Thinking, Nirali Publication, ISBN : 9789361096242	Book – 1 st , 2 nd Position	Dr. D. B. Mohite, P G Sonar (Civil)	4,000/- (2,000 Each)
Second Evaluation Round by Report (04-01-2025)				
11	Kadam, A.R. , Dhapodkar, T.S., Shirbhate, N.S. et al. Highly Efficient Far-Red Emitting Mg ₂₁ Ca ₄ Na ₄ (PO ₄) ₁₈ : Ce ³⁺ , Eu ³⁺ Luminescent Glasses: A Novel Approach Towards Plant Cultivation Technologies. <i>J Fluoresc</i> (2024). https://doi.org/10.1007/s10895-024-03783-w	Journal Article (Scopus Q3 – 1 st Position)	Dr. A. R. Kadam , (Science & Humanities)	10,000/-
12	Dr. Yogita D. Bhise, Suraj Rajesh Karpe , Babu Kokare, Pooja Khandare (Paratwar), Harish Sunil Avchat, Dr. Sanjay A. Deokar, Mathematical Optimization of Electric Motor Designs, Panamerican Mathematical Journal, https://doi.org/10.52783/pmj.v35.i1s.2310	Journal Article (Scopus Q4 – 2 nd Position)	Dr. S. R. Karpe , Electrical Engineering	5,000/-

Jan 2025

[Signature]

BY
09 January 2025



Approved by AICTE New Delhi, DTE (Govt. of Maharashtra) and affiliated to Dr. BATU, Lonere (Raigad). DTE Code: 2533

13	Korde, S. A., Thombre, P. B., Sangshetti, J. N., Rajbhoj, A. S., & Gaikwad, S. T. (2025). Green synthesis of binary nanostructured TiO ₂ -ZrO ₂ composites using moringa oleifera gum: Photocatalytic and antimicrobial applications. <i>Journal of Molecular Structure</i> , 1323, 140725.	Journal Article (Scopus Q2-1 st Position)	Sonali A. Korde (Science & Humanities)	20,000/-
Total				139000/-

As per the Financial Support towards research and publication R&D Fund Distribution Policy, Above are the submitted contributions to the first-round Juries/review panel. Below are the details of the review process: + second

- Reviewer's Report:** Assessment reports are received after applying evaluation criteria strictly Based on the Financial Support towards research and publication R&D Policy by the following reviewer's / Juries on Patents, books/chapters, and proceedings articles in first round of assessment for confirming CSMSS Chh. Shahu College of Engineering Faculties eligibility towards financial aid fostering innovation and rewarding intellectual contributions.

Sr.	Type	Name of Juries / Reviewer	
1	Journal Articles	1. Dr. D. H. Patil 2. Dr. B. D. Shinde	3. Dr. A. S. Gavali 4. Dr. G. J. Sahani
2	Patents (Utility, Design, Copyrights)	1. Prof. B. R. Pawar	2. Prof. T. Y. Deshmukh
3	Book/Chapters, Proceedings etc.	1. Dr. J. R. Shinde	2. Dr. P. R. Wankhede

I kindly request the committee to consider application and allocate the funds as per the Financial Support towards research and publication policy guidelines. Please find attached all the necessary documents, including:

- Copies of patents, books/chapters, and articles.
- Reviewer's / Juries report.
- Any additional supporting documents as required.

I look forward to your positive response. Please let me know if further information or clarification is needed.

Dr. Yogesh H. Bhosale
(Head – Research & Development)

Putimp note

BY
09 January 2025