



NEHRUCOLLEGE OF MANAGEMENT COIMBATORE

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website: www.ncmbschool.com

NAAC SSR CYCLE - II

Criteria –III

METRIC 3.2.1

Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge (patents filed, published, incubation center facilities in the HEI to be considered)



Nehru College of Management

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Accredited by NAAC with “B++” grade Recognized by UGC with 2(f) 12(B)
An ISO 14001:2004 & 9001: 2015 Certified Institution,
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CENTRE FOR RESEARCH AND INNOVATION (CRI)

ABOUT CRI:

The Nehru College of Management launched Centre for Research and Innovation (NCM - CRI) to the Faculty Members and Students would be encouraged to perform their Research works and convert their Business Ideas into successful commercial or social ventures through Multidisciplinary Module. NCM - CRI is established in the year 2019, under the dynamic leadership of Dr. R. Moses Daniel, Principal, NCM and the cell is headed by Dr.E. Muthukumar, Research Dean. Faculty members and Students will be guided and assisted on various aspects such as Publication of Research articles in WoS/SCI/Scopus/UCC indexed journals, publications of Research articles in reputed conferences, Patent publications, inculcating Start-up Eco system for the students, obtaining research funding from agencies like; DST - SERB, TNSCST, MSME, CSIR, AICTE & UGC. Also intended to avail facilities from agencies of support system as endowments, information on technologies, etc under NCM - CRI. The Student Entrepreneurs should understand that their idea has a high degree of commercial viability leading to prospective business for global recognition.

NCM - CRI has centers for Research and five clubs for Innovation and training. Every faculty member and student is encouraged to associate themselves with at least one centre. The centres and clubs focus on basic, applied and adoptive research, product development, learning-resources development and industrial training.

VISION:

NCM - CRI aims to create an outstanding environment for researchers and incubators that benefit the native economy for sustainable growth.

MISSION:

- To undertake sponsored research and provide consultancy services in industrial, educational and socially relevant areas.
- To imbibe a spirit of entrepreneurship and innovation in its students.
- To be a hub of knowledge creation that prioritizes the frontier areas of national and global importance.

RMD
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Objectives & Functions:

- Offering support and aid to researchers through provision of scientific instruments and materials needed for executing their research.
- Assisting researchers from teaching staff members and students by analyzing their different research samples in the centre.
- Notifying Staff members about Conferences and Scientific Symposium to participate in it.
- Assisting staff members in submitting research proposal to various funding agencies and follow their research plus the financial support.
- To catalyze and promote development of knowledge-based and innovation-driven enterprises and promote employment opportunities amongst the students.
- To motivate, support and mentor students for identification, development and commercialization of their innovative ideas.
- To initiate targeted number of innovative student projects each year for new product development.
- To organize Business Plan Competitions/Innovation Camps/ Hackathons with active involvement of industry and alumni.

Rudra

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PATENT RIGHTS



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(12) PATENT APPLICATION PUBLICATION
 (19) INDIA
 (22) Date of filing of Application :15/02/2022

(21) Application No.202241007992 A
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(54) Title of the invention : Deep learning based Analysis of Artery Deposition using Segmentation and CNN Classification approach

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|--|---|
| <p>(51) International classification :A61B0005000000, A61B0005045200, A61B0005020000, C07D0239340000, C07D0295135000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p> | <p>(71)Name of Applicant : 1)Dr A Kovalan Address of Applicant :Associate Professor, Computer Science, Nehru Arts and Science College, Thirumalayampalayam, Coimbatore ----- 2)Dr. Kavipriya S 3)Mr. P.Boopathi 4)Dr. M. Sengaliappan 5)Dr.T.PARIMALAM 6)Dr A.SENTHIL KUMAR 7)Dr K.RAVIKUMAR 8)Mr. S. MANI 9)Mr. M. SENTHILKUMAR 10)Dr. V.Kannan Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr A Kovalan Address of Applicant :Associate Professor, Computer Science, Nehru Arts and Science College, Thirumalayampalayam, Coimbatore ----- 2)Dr. Kavipriya S Address of Applicant :Assistant Professor, Master of Computer Applications, Nehru College of Management, Nehru Gardens, Thirumalayampalayam, Coimbatore -- 641 105 ----- 3)Mr. P.Boopathi Address of Applicant :Associate Professor, Computer Applications, Nehru Arts and Science College, Thirumalayampalayam, Coimbatore ----- 4)Dr. M. Sengaliappan Address of Applicant :HoD, MCA, Nehru College of Management, Coimbatore --- ----- 5)Dr.T.PARIMALAM Address of Applicant :Head & Assistant Professor, Computer Science, Nandha Arts and Science College Koorapalayam Pirivu, Erode-638052., ----- 6)Dr A.SENTHIL KUMAR Address of Applicant :Assistant Professor(Selection Grade), Computer Scienc, Department Of Computer Science, Tamil University,Thanjavur- 613010 ----- 7)Dr K.RAVIKUMAR Address of Applicant :Assistant Professor(Selection Grade) And Head Of The Department, Computer Scienc, Department Of Computer Science,Tamil University, Thanjavur- 613010 ----- 8)Mr. S. MANI Address of Applicant :Assistant Professor, Computer Science and Engineering, elhru Institute of Engineering and Technology TM Palayam, Coimbatore -- 641 105. ----- 9)Mr. M. SENTHILKUMAR Address of Applicant :Assistant Professor, Computer Science, Nehru arts and Science College, Coimbatore ----- 10)Dr. V.Kannan Address of Applicant :Managing director, CLDC Research and Development No.997, Mettupalayam Road, Near XCut Signal,R.S.Puram, Coimbatore641002 --- -----</p> |
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(57) Abstract :
 Deep learning based Analysis of Artery Deposition using Segmentation and CNN Classification approach Abstract: If someone has a problem with their circulatory system, it can be harmful to their health. When an electrocardiogram is performed, it can be used to categorise this disease. ECGs are the most effective way to show how a patient is doing right now, as well as to diagnose and treat a wide range of heart problems. Changes in ECG parameters such as P-waves, QRS complexes, and T-waves can reveal the condition that caused artery deposits. Many artery diseases, which can be fatal, cannot be treated with new arteries. There has to be a way to categorise artery diseases so that they can be identified. In this project, an algorithm known as CNN will be used to classify artery diseases.

No. of Pages : 11 No. of Claims : 8

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REGISTRATION FORM

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| AMOUNT: | Rs. 2,500 |
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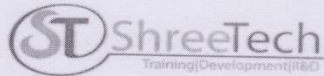
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| PATENT NAME: | THE SECURITY LEVEL AND EARLY PREDICTION OF COVID 19 USING CEDCNN CLASSIFIER |
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Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202141043584 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 25/09/2021 |
| APPLICANT NAME | 1 . Arumugam Ranjith 2 . Ms. K Gowri 3 . Dr. Kannan Pulraj 4 . Dr. V. VASANTH 5 . Dr.M.Suryakumar 6 . Ms.G.Arutgeevitha 7 . Dr.S Praveenkumar 8 . Dr.V. Dheenadhayalan 9 . Dr.Girish Kumar Painoli 10 . Dr. Parveen Vashisth 11 . Ms. P.K.MANGAIYARKARASI, |
| TITLE OF INVENTION | The Importance of Information Technology (IT) in the Electronic Commerce Industry |
| FIELD OF INVENTION | COMPUTER SCIENCE |
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