



UNNAMALAI INSTITUTE OF TECHNOLOGY

Suba Nagar, Kovilpatti-628502

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3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution

Name of the research project	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project
Website Development	Dr.S.Mathumohan	CSE	2023	75000	12 Months
Analysis of spare storage and Effective usage	Dr.M.Ravindran	EEE	2023	50000	12 Months
Innovative Scaling Mechanism for Enhanced Sheet Scaling Efficiency	Mr.S.Selvakumar	MECH	2023	75000	12 Months

Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District



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DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Title of the Project: Website Development

S.No	Table of Content
1	Confirmation Letter sponsored by Non-government sources.
2	Abstract
3	Bank statement


Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District

DEVIK IMPORTS & EXPORTS

Proprietor

R. Venkat Vigneshwar

Date: 06.03.2023

To

The Principal,
Unnamalai Institute of Technology,
Suba Nagar,
Kovilpatti -628502
Thoothukudi District, TN.

Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District

Sir,

Sub: Sanction of project fund – Website Development – reg.

This letter is in connection with the personal discussion we had with your professor Dr. S.Madhumohan, Professor and Head of Department, CSE, Unnamalai Institute of Technology, with regard to development of website for our company. Our firm is pleased to sanction of Rs.75,000/- (Seventy-five thousand only) towards a project fund for the web development for our company to Unnamalai Institute of Technology, Kovilpatti. The project may please be completed and handed over to us as quick as possible. The website is expected to have, profile of the company, details of products, and banking gateway for the payment of customers. In view of coordinating with the company, one person will be allocated to you to furnish the details about the company.

Thanking you,

PRINCIPAL
Unnamalai Institute of Technology
Suba Nagar. KOVILPATTI-628 502.
Thoothukudi (DT)

Yours faithfully,

Proprietor,

☎ +91 9790912152 ✉ devik.imports.exports@gmail.com

📍 381 A/6 Rajiv Nagar, Kovilpatti.



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ABSTRACT

In the dynamic landscape of digital presence, effective website development has become synonymous with success for businesses and individuals alike. This abstract introduces a forward-thinking approach to web development that integrates cutting-edge technologies, user-centric design principles, and strategic functionality. Our methodology strives to create websites that not only meet the contemporary demands of users but also anticipate and adapt to future trends. At the heart of our approach is a commitment to responsive design, ensuring optimal user experiences across diverse devices. Harnessing the capabilities of HTML5, CSS3, and JavaScript, our websites seamlessly adapt to various screen sizes and resolutions. This responsiveness is complemented by an emphasis on swift loading times, recognizing the importance of instant gratification in the digital realm. User engagement is a focal point of our development strategy. Through intuitive navigation, aesthetically pleasing interfaces, and interactive elements, we aim to captivate and retain visitors. Employing multimedia elements judiciously, we strike a balance between visual appeal and functional simplicity, creating an immersive and user-friendly online environment. To empower our clients, we integrate a versatile content management system (CMS) that facilitates easy content updates. This agility ensures that websites remain dynamic and relevant in the face of evolving business needs and industry trends. Moreover, our approach prioritizes search engine optimization (SEO) strategies, enhancing visibility and discoverability on major search engines. Security is paramount in

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our development process. Robust encryption protocols, secure data storage, and regular audits contribute to a resilient defence against cyber threats. By prioritizing the protection of user data and maintaining compliance with industry standards, we instil confidence in both clients and end-users. In conclusion, our innovative web development approach not only addresses current technological demands but anticipates the evolving needs of the digital landscape. By seamlessly combining responsiveness, user engagement, content flexibility, and security, our solution sets a new standard for effective and future-proof website development.

Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
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Thoothukudi District



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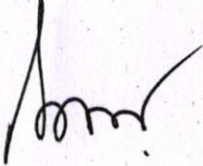
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Thoothukudi District



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Suba Nagar, Kovilpatti-628502

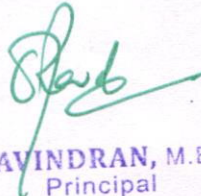
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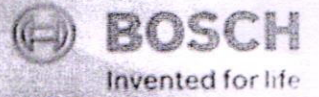
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Title of the Project: Analysis of Spares Storage and Effective Usage

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Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District



64/3/03/1A1C, Manimoorthisvaram village, Near Joy Tyres & Aligners, Udaiyarpatti, Tirunelveli-627001
94425 - 01475-80 GST: 33AAGFC7722B1ZY

06.03.2023

To

The Principal,

Unnamalai Institute Of Technology,

Suba Nagar, Kovilpatti,

Tuticotin (Dist), Tamilnadu-628502.

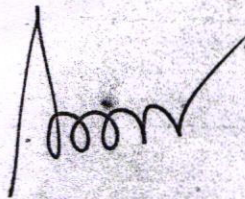

Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District

Sir,

Sub: Sanction of Project Fund – Project "Analysis of Spars Storage and Effective Usage" –reg

We appreciate your interest in executing a project at our Automobile Service units at Tirunelveli and Kovilpatti. Dr.M.Ravindran prof./EEE of Unnamalai Institute of Technology approached us for a project and identified an area of Spares Storage and Effective Usage. In this regards, We have pleased to sanction an amount of Rs.50000/- (Fifty Thousand Only) towards the execution of the above project. He is allowed to come over to our unit for collection of data for the completion of the project. It is requested that the project may please be carried out at the earliest.

Thanking you



PRINCIPAL
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI-628 502.
Thoothukudi (DT)

Yours faithfully


CLASSIC
AUTOMOBILES



UNNAMALAI INSTITUTE OF TECHNOLOGY

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ABSTRACT

Minimizing spares storage in an automobile service unit is crucial for optimizing space, reducing costs, and improving overall efficiency. Here are some strategies to achieve spares storage minimization in an automobile service unit. In this regard, a project is proposed to carry out the space management of spares at “Classic Automobiles” at Kovilpatti and Tirunelveli. The inventory management system, ABC analysis, supplier collaboration and space following strategies are considered in the project.

Inventory Management System: Implement an efficient inventory management system to keep track of spare parts. Use software that allows real-time monitoring of stock levels, order history, and usage patterns. This helps in avoiding overstocking and ensures that the right parts are always available when needed.

ABC Analysis: Classify spare parts based on their importance and frequency of use. Use ABC analysis to categorize parts into A, B, and C classes:

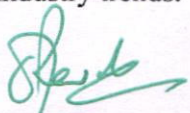
- A Class: High-value parts with low usage frequency
- B Class: Moderate-value parts with moderate usage frequency
- C Class: Low-value parts with high usage frequency

Focus on optimizing storage for A-class items while considering cost-effectiveness for C-class items.

Supplier Collaboration: Collaborate closely with suppliers to establish efficient supply chains. Work with suppliers to set up streamlined delivery schedules and order processes. This can help in maintaining a lean inventory without the need for extensive storage.

Space Optimization: Organize the storage space systematically. Use shelves, bins, and racks to maximize vertical space and make it easier to locate and access parts. Regularly review and reorganize the storage layout based on usage patterns.

By combining these strategies, an automobile service unit can optimize spares storage, reduce costs, and improve overall operational efficiency. Regularly reassess and adjust these strategies based on changes in service demands and industry trends.


Dr. D. RAVINDRAN, M.E., Ph.D.,
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Thoothukudi District



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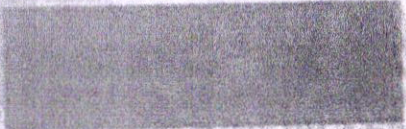
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Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District

[Signature]
PRINCIPAL
Unnamalai Institute of Technology
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Thoothukudi (DT)



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DEPARTMENT OF MECHANICAL ENGINEERING

**Title of the Project: Innovative Scaling Mechanism for Enhanced Sheet
Scaling Efficiency**

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Principal
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Suba Nagar, KOVILPATTI - 628 502.
Thoothukudi District

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112A1, Vishnu nagar, Rajapalayam,, Virduhunagar District. Tamil nadu.

Proprietor:
Mr. G.Anand Kumar, M.I.B.,

Email: gurupolymers2023@gmail.com
Mobile : +91 8300824653

Date: 21.03.2023

To

The Principal,
Unnamalai Institute of Technology,
Suba Nagar,
Kovilpatti -628502
Thoohukudi District, TN.

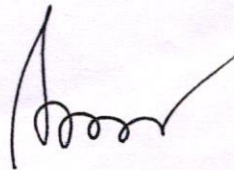

Dr. D. RAVINDRAN, M.E., Ph.D.,
Principal
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI - 628 502.
Thoohukudi District

Sir,

Sub: Sanction of project fund – process Improvement –reg.

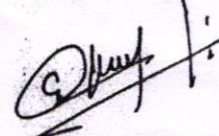
With reference to the discussion has with your professor Mr.S.selvakumar, AP/Mech, Unnamalai Institute of Technology, we are pleased to sanction of Rs. 75,000/- (Seventy five thousands only) towards a research project fund for the development process improvement at our Unit and to develop a new sealing mechanism to replace the old one so as to reduce the problem in sealing of the sheets. It is expected that the company is pleased to extend your faculties to visit our unit and design a new device to solve the existing problems of sealing process the sheets.

Thanking you,



PRINCIPAL
Unnamalai Institute of Technology
Suba Nagar, KOVILPATTI-628 502.
Thoohukudi (DT)

Yours faithfully,



Proprietor,



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ABSTRACT

The process of scaling sheets, a fundamental component in various industries, has faced persistent challenges due to limitations in existing scaling mechanisms. This paper proposes a novel scaling mechanism designed to replace outdated methods, aiming to mitigate scaling problems and enhance overall efficiency. The current scaling processes often encounter issues such as inaccurate scaling, time inefficiency, and resource wastage. The proposed mechanism seeks to address these challenges through a multifaceted approach. The core innovation of the new scaling mechanism lies in its adaptive scaling algorithm, which dynamically adjusts scaling parameters based on the characteristics of the sheet being processed. By incorporating advanced sensing technologies and real-time feedback loops, the mechanism can continuously optimize scaling parameters during the scaling process, thereby minimizing errors and improving overall accuracy. Furthermore, the new scaling mechanism emphasizes efficiency by leveraging state-of-the-art automation technologies. This eco-conscious approach not only addresses environmental concerns but also positions the scaling process as a responsible and sustainable practice within the larger industrial context. In conclusion, the development of this innovative scaling mechanism marks a significant step forward in addressing the challenges associated with sheet scaling. Its adaptive algorithm, automation features, and commitment to sustainability collectively contribute to a scalable solution that promises increased accuracy, efficiency, and environmental responsibility in sheet scaling processes across diverse industries.

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