

IGNITE 2023



A DAILY NEWSLETTER

Editor in Chief

Editors

Dr. Srinivasan Alavandar
Principal, ACT

Ms. B. Rashmi, AP-BME
Ms. S.Marlin, AP - AI&DS
Mokeshwar. P, Student -
AI&DS



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STUDENT PARTICIPATION



@internPE

COMPLETION CERTIFICATE

CID : IPI#14896

To whomever it may concern

This is to certify that **NAVEENKUMAR M** worked as an Intern in our company from **03-July-2023 to 30-July-2023**

Please find the internship details below:

Company Name: InternPe
Location: Remote
Domain: Web Development
Designation: Intern

During their working period, we found him/her to be a sincere and dedicated intern with a professional attitude and very good knowledge of the job.

We thank him/her for their efforts and contribution and wish him/her the best in future endeavors.

Yours Sincerely,


 (Co-Founder)
 InternPe



www.internpe.in

Naveenkumar M, IVth year student, Department of Computer Science and Engineering has completed an internship in “Web development” on InternPe from 3rd July to 30th July 2023.

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STUDENT PARTICIPATION



Haripriya, 3rd year student of the Department of Mechanical and Automation Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov

STUDENT PARTICIPATION



CERTIFICATE

This is certify that

Deepthika V

Web Development Internship

Duration: 1 Month (1st August,2023 to 1st September,2023)

During the internship period, He/She has demonstrated exceptional dedication, enthusiasm and a strong willingness to learn. They actively engaged in various projects and tasks assigned to them, exhibiting remarkable skills and a high level of professionalism.

Verified By :


CTO OctaNet




COO OctaNet



Verify at <https://verification.givemycertificate.com/v/cb14fcd0-32b1-4038-95ce-06d56279f856>

Deepthika V, IVth year student, Department of Computer Science and Engineering has completed an internship in “Web development” on OctaNet from 1st August to 1st September 2023.

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STUDENT PARTICIPATION



Bharathkumar V, 3rd year student of the Department of Mechanical and Automation Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov

STUDENT PARTICIPATION



Surendharan D, final year student of the Department of Mechanical and Automation Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov

STUDENT PARTICIPATION



Lokeshkumar final year student of the Department of Mechanical and Automation Engineering has participated and successfully completed the “Quiz on Quality & Standards” conducted by Bureau of Indian Standards (BIS) and MyGov

FACULTY ACHIEVEMENT

CALOPHYLLUMINOPHYLLUM (PUNNAI SEED OIL) DERIVED BIOFUEL BLENDS: THERMAL PERFORMANCE AND ENGINE EMISSIONS

Narendranathan Srinivasan Kasinathan,¹
Vijayananth Suvambrarajan,² Jayaseelan Venesundaram,³ &
Sudhakar Kumarsamy^{4,5,6,*}

¹Department of Mechanical Engineering, Agni College of Technology, Chennai, India

²Department of Mechanical Engineering, Vels Institute of Science Technology and Advanced Studies, Chennai, 600117, India

³Department of Mechanical Engineering, Prathyasha Engineering College, Chennai, 602025, India

⁴Faculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, 26600 Pekan, Pahang, Malaysia

⁵Centre for Automotive Engineering, Universiti Malaysia Pahang, 26600 Pekan, Pahang, Malaysia

⁶Energy Centre, Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, India

*Address all correspondence to: Sudhakar Kumarsamy, Faculty of Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, 26600 Pekan, Pahang, Malaysia; Tel.: +60197309925; Fax: +609 431 5555; E-mail: sudhakar@ump.edu.my

Original Manuscript Submitted: 07/14/2022; Final Draft Received: 1/21/2023

An alternative renewable fuel resource must be identified to sustainability fulfil the expanding global energy demand. This study obtains a novel biofuel from the Punnai plant, and its physicochemical properties are evaluated against relevant standards. Conventional Diesel and Punnai oil diesel ratios are tested in an uncharged 4-stroke CI engine. As the mix ratio increases, the brake thermal efficiency decreases from 32.2% (diesel) to 26% (P40 Punnai oil diesel mix). As the percentage of blends increases, the brake-reducer rate decreases compared to regular diesel. The emission parameters CO, unburned HC, and smoke increase with increasing blend ratios, whereas NOx emission parameters decrease. A natural or esterified form is suitable for a standard diesel engine. Punnai seed oil has the potential fuel our transportation needs sustainably. Its unique energy content and ability to reduce emissions make it a promising alternative to traditional fossil fuels. With further research and development, punnai seed oil could be the driving force behind a cleaner and greener transportation future.

KEY WORDS: biofuel, combustion, emission, punnai oil, performance

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On September 5, 2023, Dr. S.K. Narendranathan, the department head of Aerospace Engineering, published a research paper focused on the thermal performance and engine emissions of biofuel blends derived from Calophyllum inophyllum, commonly known as Punnai Seed Oil.

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FACULTY PARTICIPATION



Mrs. Rajitha. R, Assistant Professor, Department of Science & Humanities (Chemistry) has participated and Successfully completing the “Quiz on Quality & Standards” organized by Bureau of Indian Standards BIS and MyGov.

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FACULTY RECOGNITION



THIS CERTIFICATE IS AWARDED TO

Dr. Deepak

in recognition of their work as a reviewer for the
Hindawi portfolio of journals.

At Hindawi, it's our belief that science works best when research is open, and as a reviewer for Hindawi, you are supporting us in our mission to put the researcher at the heart of everything we do, so that we can maximize the impact of scientific research through openness and global collaboration.

01.08.2023

Date

Issued by Hindawi



Dr. Deepak Sampathkumar, Assistant Professor, Department of Mechanical and Automation Engineering has recognition of their work as a reviewer for the Hindawi portfolio of journals.

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FACULTY ACHIEVEMENT



Dr.L.Sharmila, Professor and Head, Department of CSE has published a research paper titled "Optical handwritten character recognition for Tamil language using CNN-VGG-16 model with RF classifier" in Optical and Quantum Electronics journal (Springer (SCI)) on 3rd September 2023.

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FACULTY PARTICIPATION



Mr. A. Sam Daniel Fenny, Department of Mechanical and Automation Engineering has attended SERB Sponsored three days Seminar on “Accelerating the Electric Vehicle Revolution: Driving Sustainable Mobility in the G20” organized by the Department of Mechanical Engineering, KCG College of Technology , Chennai from 23 and 25 August 2023.

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FACULTY PARTICIPATION



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



my
GOV
मेरी सरकार

Certificate Of Participation

MyGov & Ministry of Education congratulate

Ashwathiharikrishnan

for successfully completing the Quiz on

Lifestyle for Environment

We acknowledge your efforts. Keep participating!

Director, NCERT



Ashwathiharikrishnan, Assistant Professor, Department of Computer Science and Engineering has participated and successfully completed the Quiz on “Lifestyle for Environment” conducted by MyGov.

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DEPARTMENT MEETING



The department of Biomedical Engineering conducted a department meeting on 1st September 2023. The main agenda of the meeting is NBA compliance, Academic follow ups and Placement training.

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PLACEMENT TALK



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NAAC A+
NBA 2020

DEPARTMENT OF
BIOMEDICAL ENGINEERING

Organizes

"ALUMNI PLACEMENT TALK"



Resource Person :
Ms. Lakshmipriya Jayakumar,
Senior Scientific Application Analyst
Zifo Scientific Informatics Services
Chennai,



DATE: 02.09.2023 TIME: 10.00 AM VENUE: SMART ROOM, ACT

Mrs. Ilina Christian DPC and Webinar Coordinator	Dr. Sureka N HOD/BME	Dr. Kalaimurugan President, ACT-BC	Dr. Srinivasan Akavandar Principal, ACT
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The department of Biomedical Engineering organised a Alumni Placement Talk on 2nd September 2023, by BME 2020 Passed out Alumni Student Ms. Lakshmipriya Jayakumar, Senior Scientific Application Analyst, Zifo Scientific Informatics Services, Chennai.

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GALLERY



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ALUMNI MEET



Sree Ram U, Ava Software Company, Mobility Software Developer, and Ranjith S, Kumaran System, Software Engineer, are the Alumni of Agni College of Technology and winners of Smart India Hackathon(SIH), have interacted to the Third year students on 5th September along with Ms. Lakshmi Priya R V(Department Agni Pride Coordinator) regarding the awareness of Smart India Hackathon(SIH) which would be conducted in upcoming days.

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TRAINING



The Information Technology Students, III year, attended a training course on **Aptitude** under prepinsta platform on 2nd September 2023 supervised by IT Department faculties.

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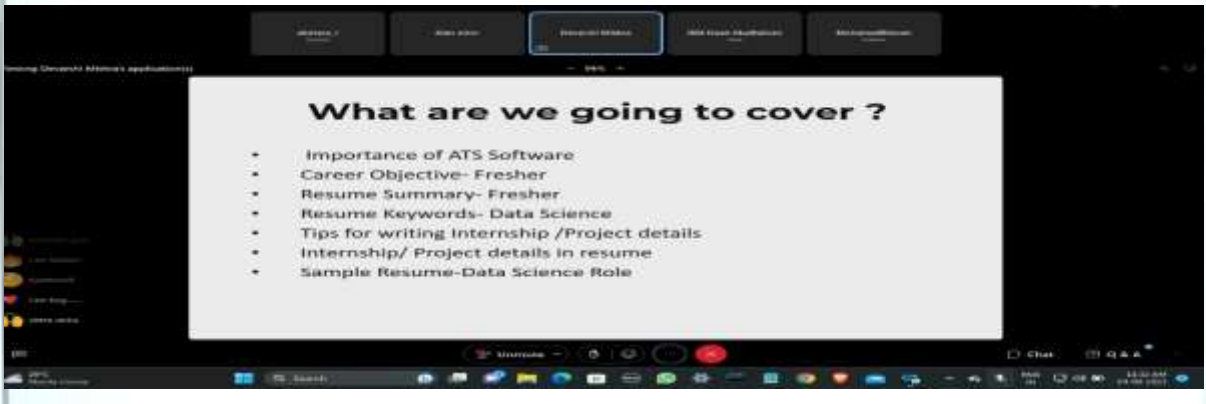
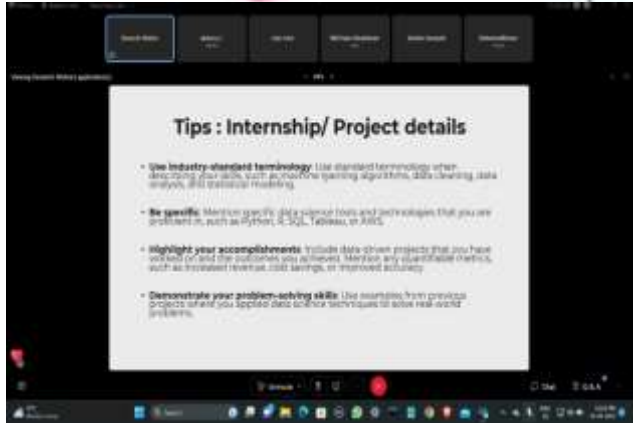
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IBM NAAN MUDHALVAN



III Year Students, Department Of Information Technology have a **Professional Training Session 2** conducted by **IBM Naan Mudhalvan** on 4th September 2023.

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OFFICE OF EXAMCELL



Our college have received the Academic Schedule from
Academic courses Anna University for I and II year AY
2023-24 ODD Semester

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TEACHER'S DAY CELEBRATION



The final and third year students of Mechatronics Engineering celebrated the Teacher's Day function on 5th September 2023 and expressed their gratitude and thankfulness to the their teachers and organizing events like Technical Dumsharaaz, Magic Show and presented a talk about Dr. Sarvepalli Radhakrishnan on his remembrance to highlight this occasion.

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TEACHER'S DAY APPRECIATION



On behalf of Mechatronics Engineering students, D. Hari Prasath, III year student, crafted a Decorative Pen Stand as a small token of appreciation to express their gratitude and thankfulness to all the faculties of the Mechatronics Engineering department.

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MAGIC SHOW EVENT



On account of Teacher's Day on 5th August 2023, Christas Immanuel.C, IV year student, Department of Mechatronics Engineering, performed a Magic Show Event to celebrate the occasion and entertain the teachers of the department.

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STUDENT CORNER



As a token of gratitude, Arun Prasanth, III year student of Mechatronics Engineering has portrayed a Pencil Sketch of Dr. Sarvepalli Radhakrishnan and presented it as a small token of appreciation to our beloved Principal Dr.Srinivasan Alavandar on this Teacher's Day event.

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**TEACHERS DAY-GALLERY
(AEROSPACE)**



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TEACHER'S DAY -GALLERY (CHEMICAL)



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TEACHER'S DAY -GALLERY



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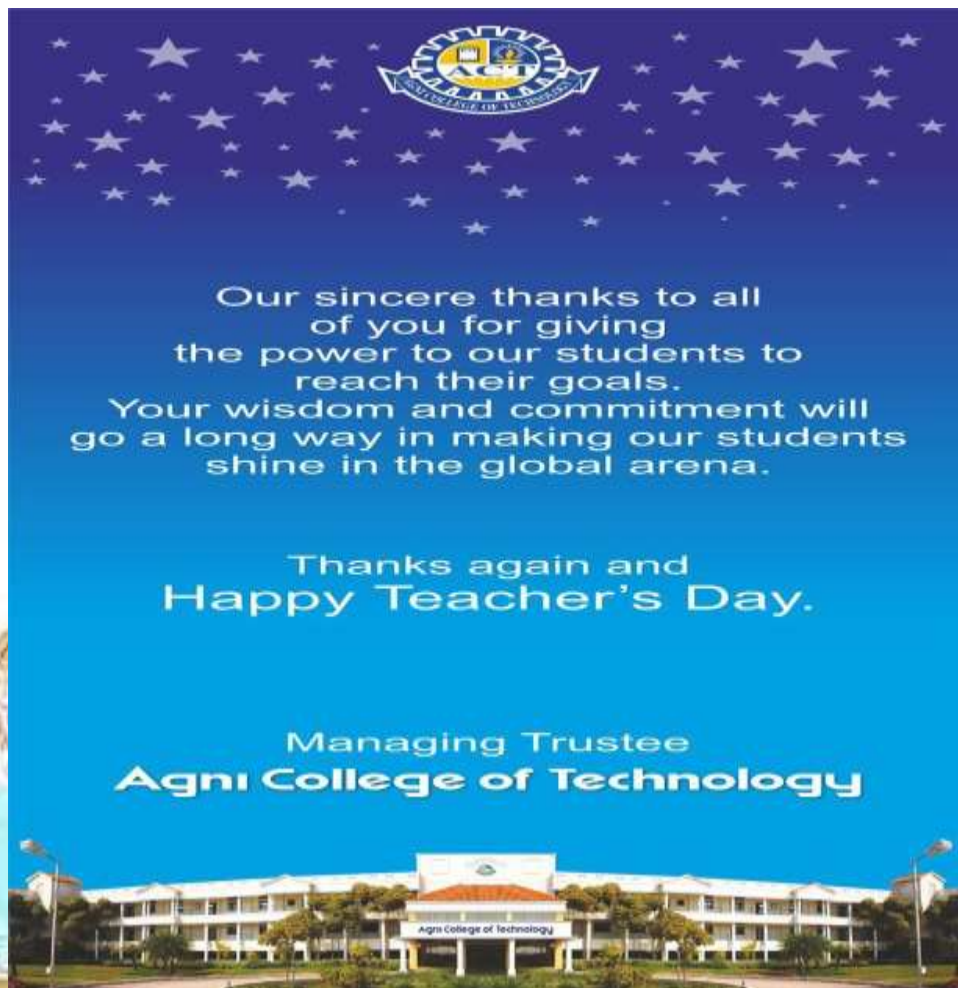
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