

IGNITE 2022

A DAILY NEWSLETTER



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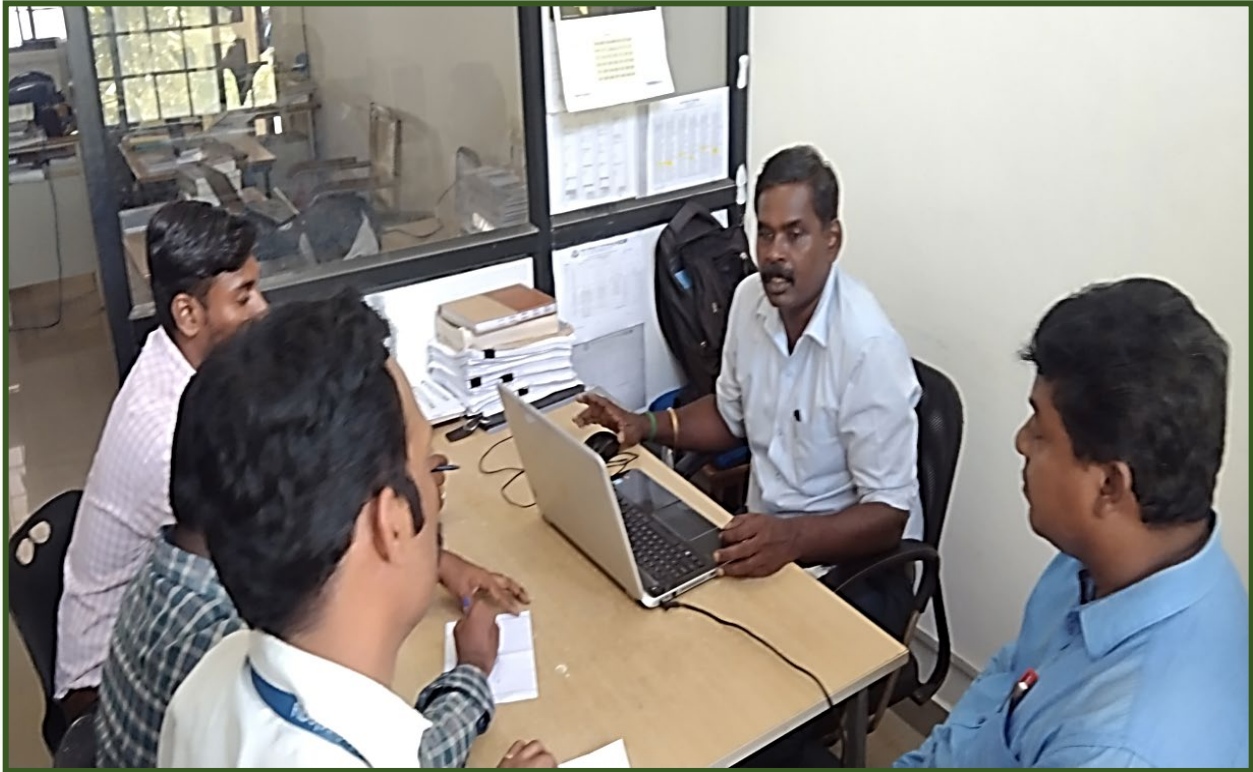


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DEPARTMENT MEETING



Dr. T. Anand, HoD/MAE has convened a faculty meeting to deliberate about the calculation of various academic performance metrics to arrive at API in order to assess both individual and institutional growth.

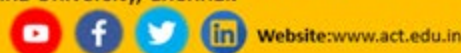
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STUDENT ACHIEVEMENT



Jayasimman. S, V. Gopinath, Sanjay, Rahul, Kavitha. S, D. Surendaran, Lokeshkumar, Vignesh P, II Year students, Department of MAE have successfully completed an online course on **Product Lifecycle Management** provided by Great Learning Academy on 18th April 2022.

FACULTY ACHIEVEMENT

JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS
<https://doi.org/10.1080/02533839.2022.2061603>

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Microstructure and mechanical properties of friction stir spot welded dissimilar aluminum alloys

K Anton Savio Lewise ^a, Edwin Raja Dhas J ^b and R. Pandiyarajan ^c

^aDepartment of Aeronautical Engineering, Noorul Islam Centre for Higher Education, India; ^bDepartment of Automobile Engineering, Noorul Islam Centre for Higher Education, India; ^cDepartment of Mechatronics, Agni College of Technology, Chennai, India

ABSTRACT
The present study was the result of an investigation of friction stir spot (FSS)-welded similar aluminum alloys 2024-T3 joint and 7075-T6 joint and dissimilar aluminum alloy 2024-T3-7075-T6 joint. The mechanical, microstructural, and tribological behavior of the different FSS-welded specimens were characterized for effects of influence of the input process parameters. The dissimilar FSS-welded 2024-T3-7075-T6 joint exhibited uniform distribution in material flow in the welded zone. A marked improvement in microhardness was noted when it increased from 30 to 40.94 HV, while an increase in tensile strength from 128 to 166.3 MPa was observed for the FSS-welded dissimilar 2024-T3-7075-T6 joint alloy. The dissimilar alloy weld joint exhibited improved microhardness and tensile properties than their counterparts in both variants of the similar FSS-welded specimens, with a 35.6% increase in microhardness for the bottom plate in welded nugget zone and improvement of 13.14% and 5.54% in ultimate tensile strength when compared to aluminum alloy 2024-T3 joint and 7075-T6 joint under same welding parameters.

ARTICLE HISTORY
Received 17 June 2021
Accepted 22 March 2022

KEYWORDS
Friction stir spot welding; microstructure; microhardness; tensile; dissimilar

Dr. R. Pandiyarajan, Head, Department of Mechatronics has published a paper on **Microstructure and Mechanical Properties of Friction Stir Spot Welded Dissimilar Aluminum Alloys** in the journal of CHINESE INSTITUTE OF ENGINEERS - Taylor and Francis publication (SCI index).
<https://doi.org/10.1080/02533839.2022.2061603>

ALUMNI MEETING



Ms.Preethi, alumna, Department of Chemical Engineering visited the campus and met Mrs.C.D.Karthika, mentor to discuss about admission promotion through referral system.

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PLACEMENT-INDUSTRY CONNECT



A placement drive has been arranged for the final year Chemical Engineering students at Petrochemicals Ltd and Tamil Nadu Petro Products Ltd, Manali, Chennai. The drive also comprises of visit to the industry and guest lecture by the expert.

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PLACEMENT DRIVE

From: Uniqcore construction India <hunicoindia@gmail.com>
Date: Tue, Apr 12, 2022 at 5:32 PM
Subject: Re: Resume of Agni college of Technology students - reg
To: Dr.M.Siva Head - Civil <cvlhod@act.edu.in>
Cc: Boopathi Boopathi <gb@uniqucoreindia.com>

Dear Sir,

Greetings from Uniqcore Constructions India Pvt Ltd.,

We are putting up this proposal for the purpose of off campus recruitment to Graduate Engineer Trainee (BE- Civil Eng. or B.Tech – Civil Eng.) for our organisation.

Recruitment Process:-

Candidates having more than 60 percentage of marks with no arrears up to last semester will be shortlisted for the written test.

Written test will be conducted for a duration of 60 minutes, covering civil engineering subjects and general aptitude questions.

Selection for the personal interview will be made based on the marks scored by them in the written test. After the personal interview, based on their performance, a list of selected candidates will be announced.

The selected candidates will get the appointment letter from the organisation once they successfully completed their Graduation.

The following remuneration and benefits will be provided.

1. Salary for Graduate Engineer trainee – Rs.18,000/- Per Month (Cost to Company).
2. The probationary period will be one year from the date of joining.
3. Bachelor accommodation will be provided by the company in case of posting at project site at free of cost.
4. Health Insurance.
5. Food facility – Available at site mess on sharing basis by the employees.
6. Posting will be anywhere in SOUTH INDIA.

Please inform your students to reach our office on 18.04.2022 by 9.30am for participating in the off campus recruitment drive at below venue.

Uniqcore Constructions India Pvt Ltd.,

Final Year students, Department of Civil Engineering have attended off-campus drive at Uniqcore Constructions India Pvt. Ltd., Ekkattuthangal, Chennai.

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DEPARTMENT MEETING



Dr. Meera S, Head, Department of Computer Science and Engineering has convened a department meeting and discussion about the duties and responsibilities of the faculty members in sharing the department work, API and other academic activities.

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DEPARTMENT MEETING



Dr. Narendranathan S K, Head, Department of Aerospace Engineering has conducted a department meeting regarding admission activities and other academic activities to be done in this academic year.

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DEPARTMENT MEETING



Dr. Geerthik S, Head, Department of Information Technology has conducted a department meeting and discussion about research activities, API and other academic activities.

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STUDENT PARTICIPATION



Sadhananti Su



Logeshwari V



Lavanya S



Boopalan M



Ms Sadhananti Su, Ms. Logeshwari V, Ms Lavanya S & Mr. Boopalan M, Second year students, Department of Electronics and Communication Engineering have successfully completed a course on **Python Fundamentals for Beginners** offered by “Great Learning” Training Academy.

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INTERACTION WITH THE PARENT



Dr N Dr N V S Sree Rathna Lakshmi, Professor & Head, Department of Electronics and Communication Engineering had a meeting with the parent of a Second year student regarding the academic progress & performance of the ward in the presence of the Class In-charge Mr Mohammed Ismail K.

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