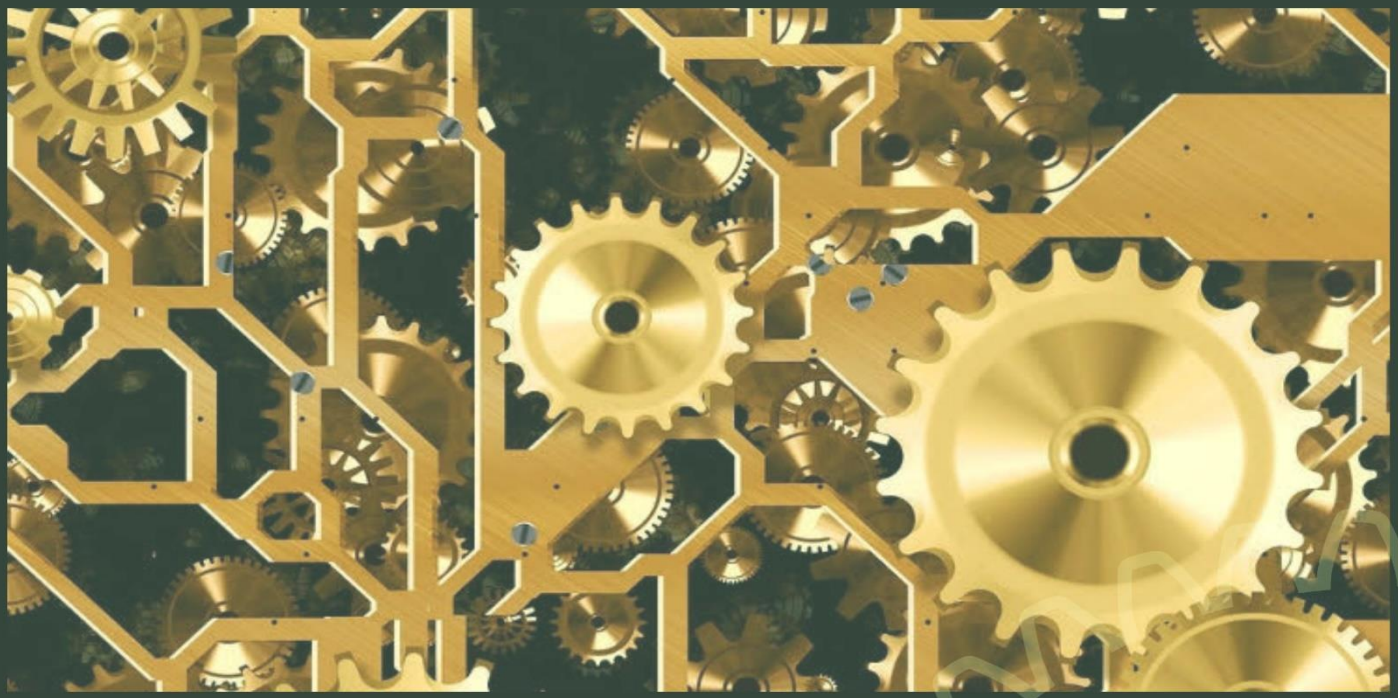
Aditya College of Engineering & Technology

Department of Mechanical Engineering

IGNITO MAGAZINE

June-November 2021



Editorial Board

Dr. CH V V M J Satish, Asst. Professor

Mr. B Jagadish , Asst. Professor

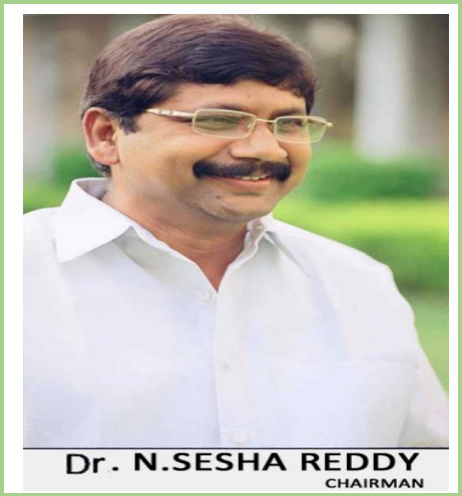
Mr. Lokesh Nagala (Student)

Mr. Veera babu Pilli (Student)

Mr. M S Sai Kumar (Student)

Mr. CH Devi Prasad (Student)

Chairman's Message



I believe in the philosophy of thought, word and deed as eternal which made Aditya what it is today. My thought to set a high bar to the institutions I setup by rising to the challenges of the educational field and get prepared for a life dedicated to the pursuit of knowledge, my word which always reflected my vision and gained the conviction of the heads of the institutes and parents, and my deed which makes my home and workplace as extensions of each other by considering the staff and students as the members of my extended family shaped Aditya

I know the value of a good education, more so because I did not have the benefit of the facilities that make the learning process smooth. I began my career as a lecturer, giving up my desire of qualifying in the Service Commission Examination. Out of my despair was born a strong determination which took the shape of Aditya Educational Institutions. The present-day job market poses fresh challenges that need to be managed innovatively. Global business Incubation centre, Microsoft Innovation Centre, Technical Skill Development Institute, T-hub, Training and Placement Cell, GATE coaching etc., act as perfect vehicles for this.

Vice- Chairman's Message

As a direct product of Aditya, I know how hard my father worked to put Aditya on the academic map of the country during its many stages of expansion, even in the most trying conditions. My master's degree from UTS Australia, the continent's premier university, has given me a better grasp of the educational system. Aditya technical campus in Surampalem was constructed in the aftermath to provide professional education in engineering, technology, management, and pharmacy, with the underlying principle of excellence and quality The campus has made rapid growth since its beginning in 2001 by upholding its unwavering dedication to advance knowledge and educate students in science and technology. The campus' main goal is to make teaching and research more relevant to the real world. The ultimate aim of Aditya is to make the campus the 'first stop' for companies in the recruitment process. Keeping in view the demands of the work environment which is beyond just knowledge and marks, a lot of emphasis is laid on the overall personality development of the students.

Principal's Message

Dr. T. K. Rama Krishna Rao
PRINCIPAL

The major issues we confront can't be handled at the same level of reasoning that we used to create them." Albert Einstein is credited with coining the phrase "theory of relativity." Man can only achieve immortality through knowledge. To stay relevant, knowledge must extend or grow. The road to excellence is the world's toughest, roughest, and steepest. Only quality is required and rewarded in our world. To develop new knowledge, available information must be directed by wisdom and intellect. Education's new duty is to promote creativity. The only way to address current and future problems and discover dynamic answers is to think creatively. Technology should be used to aid in the eradication of poverty around the world. In truth, India is home to 40% of the world's poor. Capacity is a result of confidence.

Miracles are the result of one's faith in oneself. At ACET, education aims to develop character, strengthen the mind, broaden the intellect, and foster a culture of problem-solving. The student is placed through rigorous training so that when he leaves the Institute, he can stand on his own two feet.

HOD Message

Dr. Puli Danaiah, HOD

Mechanical engineering is one of the oldest and broadest engineering discipline, and plays a significant role in enhancing safety, economic vitality, enjoyment and overall quality of life throughout the world.

Mechanical engineers develop state-of-the-art technologies and exhilarating solutions for the mankind. We attempt to provide our students with a cheerful, productive and satisfying experience at all levels of their program of studies to explore the amazing world of mechanical engineering.

Our department has a team of highly qualified and experienced faculty, good infra structure and lab facilities. We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and

Department of Mechanical Engineering

The Department of Mechanical Engineering is a pioneer department since the establishment of college in 2011. The department has extensive facilities in terms of faculty, infrastructure & equipment. The department is recognised as a research centre by JNTUK, Kakinada for pursuing Ph.D. programme in Mechanical Engineering. The department has spacious laboratories and well equipped with experimental set-ups as per the requirement of the curriculum. The faculty are very active and encourage the students in fabricating real models viz., Go-kart, Robots, Solar based vehicles and other working models, which are very useful in day-to-day life and teach students with live examples.

The department has an entrepreneurship cell through which it organises lectures by successful entrepreneurs, bank officers, MSME officials to nurture them as successful entrepreneurs in future. To nurture the students to gain all-round development, the department has many clubs like, ‘cultural club’, “We can talk” to improve soft skills and improve their intra and inter-personal skills, interactive skills to make them leaders of tomorrow. The faculty encourages students to participate in competitions like Go-kart at National level and present technical papers in conferences and publish papers in journals

Department Vision

To be a center of excellence in Mechanical Engineering education and research

Department Mission

- *To promote trainings with institutional association*
- *To achieve learning centric infra-structure.*
- *To provide skill-based education with focus on Automotive*
- *To promote innovative ideas through creativity and leadership quality*

PSO'S

PSO1 Mechanical Engineers must be able to analyze, design and evaluate mechanical components and systems using cutting edge software tools as required by the industries from time to time.

PSO2 The ability to work in manufacturing and other sectors operations and maintenance plants.

PSO3 As part of a team or individually, plan and manage activities in micro, small, medium and large enterprise.

Article

Biodiesel

Biodiesel refers to a vegetable oil – or animal fat-based diesel fuel consisting of long-chain alkyl (methyl, ethyl, or propyl) esters. Biodiesel can be used as a pure fuel or blended with petroleum in any percentage. Much of the world uses a system known as the "B" factor to state the amount of biodiesel in any fuel mix:

1) 100% biodiesel is referred to as B100
2) 20% biodiesel, 80% petrodiesel is labeled B20
3) 5% biodiesel, 95% petrodiesel is labeled B5
4) 2% biodiesel, 98% petrodiesel is labeled B2
5) Blends of 20% biodiesel and lower can be used in diesel equipment with no, or only minor modifications.

Benefits of Biodiesel

a) Produced from Renewable Resources.
b) Can be Used in existing Diesel Engines.
c) Grown, Produced and Distributed Locally.
d) Biodegradable and Non-Toxic.
e) Better Fuel Economy.
f) Reductions in greenhouse gas emissions, deforestation, pollution and the rate of biodegradation.

Mr. K. KalKi Bhagvan
Student IV Mechanical

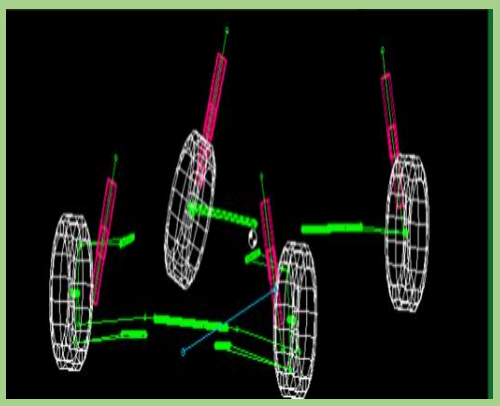
Student Training Programmes

Student hands on training session has been conducted on Design and simulation using Ansys workbench

Student Technical Events

SAE BAJA 2021-2022:

In this event totally 25 students from Mechanical, Electrical and Electronics, Electronics and communications Engineering with two faculty advisors from Mechanical are registered. This event has three phases, virtual round for scrutinizing the participants, virtual dynamic through IPG Car maker and Physical Dynamic Event in which have to participate with Fabricated ATV. Students are preparing for preliminary round, which is a qualifier of further rounds.



BAJA SAE INDIA

Students of Mechanical engineering has participated in virtual preliminary round in online mode for selection of BAJA SAE India 2022, which is held on Sep3-5. In this event team needs to give technical presentation and quiz on BAJA ATV. Team has been selected in preliminary round

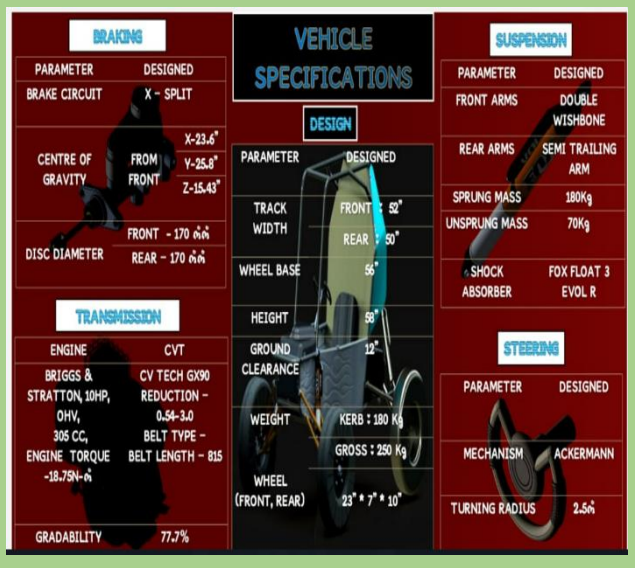
Organized by SAEINDIA Society of Automotive Engineers INDIA

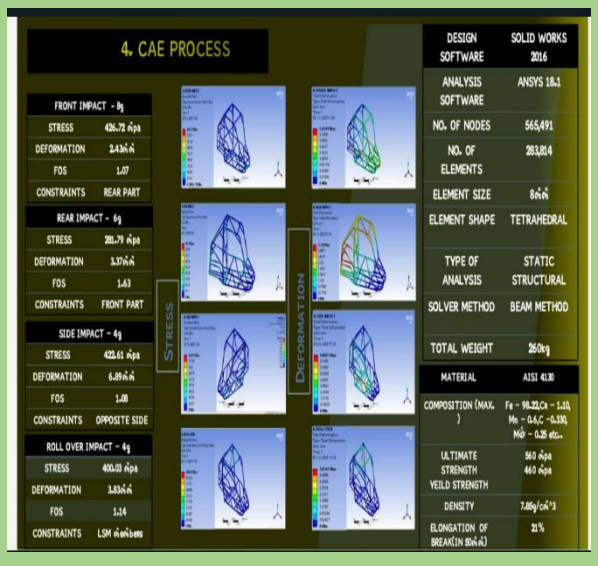
BAJA SAEINDIA 2022

Under the aegis of RATAAX, CHITKARA UNIVERSITY, CAMBRIDGE GROUP OF INSTITUTIONS

mBAJA SAEINDIA 2022 PRELIMINARY - SCORE

TEAM ID	COLLEGE	TEAM NAME	CITY	STATE	PRESENTATION SCORE (OUT OF 50)	QUIZ SCORE (OUT OF 50)	TOTAL SCORE (OUT OF 100)
22001	ABES ENGINEERING COLLEGE	DRIFTERS	GHAZIABAD	UTTAR PRADESH	29.56	30.50	60.06
22002	ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY	TEAM IGNITO	SURAMPALEM	ANDHRA PRADESH	27.97	17.00	44.97
22003	[redacted] ENGINEERING	[redacted]	[redacted]	MAHARASHTRA	35.21	41.00	76.21
22004	AMRITA SCHOOL OF ENGINEERING, COIMBATORE	TEAM TORPEDO	COIMBATORE	TAMIL NADU	33.40	38.00	71.40
22005	BANGALORE INSTITUTE OF TECHNOLOGY	TEAM STRATOS	BANGALORE	KARNATAKA	29.57	35.00	64.57
22006	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	QUATTRO RACING	SATHYAMANGALAM, ERODE(DISTRICT).	TAMIL NADU	35.96	30.50	66.46
22007	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI - HYDERABAD CAMPUS	TEAM VULCAN	HYDERABAD	TELANGANA	25.08	33.50	58.58
22008	BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI ,K. K. BIRLA GOA CAMPUS	GREASE MONKEYS	SANCOALE	GOA	22.00	35.00	57.00
22009	BIRLA INSTITUTE OF TECHNOLOGY MESRA PATNA CAMPUS	ASHWA	PATNA	BIHAR	29.12	29.00	58.12





Guest lectures

The Mechanical Engineering Department has organized one day guest lecture (06-10-2021) on Welding Process and Repairs by A.Ravishankar, G.Manager, MTS ,Mech, Vizag steel Plant ,Hon'Secretary IIW ,Vizag Chapter

The Mechanical Engineering Department has organized one day guest lecture (09-10-2021) on **Process Planning** by A.Srinivasulu Reddy, Assoc.Prof, SV University college of Engineering

Faculty Achievements

Faculty Publications

Dr. Nitla Stanley Ebenezer has published in scopus indexed journal, a paper entitled **Effect of Heat Treatment on the Corrosion Behaviour of Nickel Surface-Deposited Agro-Reinforced Metal Matrix Composites.**345–35(2021). Institution of Engineers (India): Series DOI https://doi.org/10.1007/s40033-021-00266-1	
Dr. Pramod Kumar, Dr. M Murugan and Dr. Akilesh Kumar Singh has published a paper entitled **Effect of welding current in TIG welding 304L steel on temperature distribution, microstructure and mechanical properties** in the Journal of the Brazilian Society of Mechanical Sciences and Engineering volume	
Dr. Akilesh Kumar and Dr. Pramod Kumar, has published in SCI Journal entitled **Use of backing mediums increase penetration during TIG welding of P91 steel** in the journal of sadhana	 

Faculty as Resource person

Dr M Murugan acted as resource person for 5 Day FDP on advances of solar energy conducted by Bharath Institute of higher education and research, Tambaram

Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2003)
Accredited by NAAC
Phone : 044-22290742 / 22290125 . Telefax : 044-22293886
Website : www.bharathuniv.ac.in
173, Agaram Road, Selaiyur, Tambaram,
Chennai - 600 073. Tamil Nadu.

LETTER OF APPRECIATION

25.06.2021

To

Dr. M. Murugan, M.E., Ph.D.,
Professor,
Aditya College of Engineering & Technology,
Surampalem, East Godavari,
Andhra Pradesh, India

Dear Sir

Greetings from Bharath Institute of Higher Education and Research. On behalf of the Management and the Faculty members, I extend my sincere thanks to you for sharing your thoughts with us as a resource person for a 5-Day FDP programme on Advances conducted on 21 June 2021 to 25 June 2021 .

Your speech on 25 June 2021 in the Topic "**Solar Energy** "was very informative and well explained. Your motivating talk helped the students and faculties from our institution as well as other institutions freshen up their minds.

I once again would like to thank you for such a wonderful Session and hope to get a chance to listen to such speeches from you in future also.

Thanks and Regards

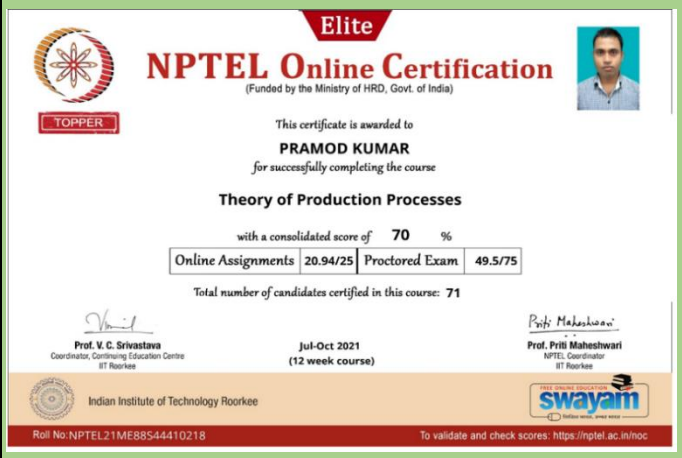
Yours Faithfully,

Dr.V.Balambica
Professor & Head of the Department
Department of Mechatronics-BIHER
Chennai-Selaiyur - Tamilnadu

Bharath
INSTITUTE OF HIGHER EDUCATION & RESEARCH
BHARATH INSTITUTE OF SCIENCE & TECHNO...
Selaiyur, Chennai-600 073. India
MECHATRONICS

NPTEL Certifications

Mechanical Engineering department faculty has been completed NPTEL certified courses to gain knowledge in advanced subjects of Mechanical engineering to strengthen teaching and research skills


Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

TOPPER

This certificate is awarded to

PRAMOD KUMAR

for successfully completing the course

Theory of Production Processes

with a consolidated score of 70 %

Online Assignments	20.94/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: 71

Prof. V. C. Srivastava, Coordinator, Continuing Education Centre, IIT Roorkee

Jul-Oct 2021 (12 week course)

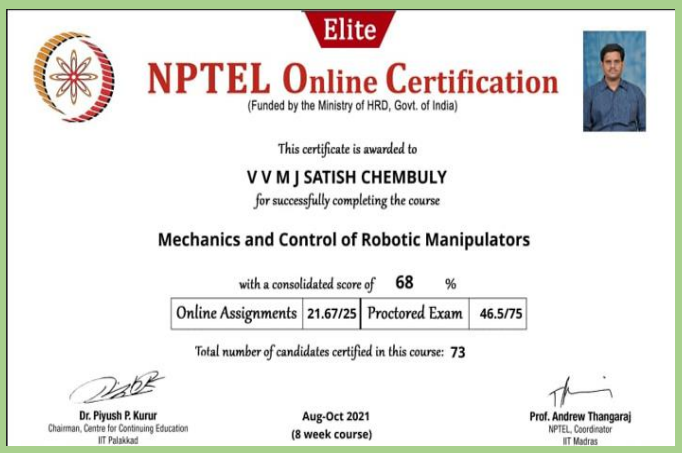
Prof. Priti Maheshwari, NPTEL Coordinator, IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No:NPTEL21ME88S44410218

To validate and check scores: https://nptel.ac.in/noc


Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

V V M J SATISH CHEMBULY

for successfully completing the course

Mechanics and Control of Robotic Manipulators

with a consolidated score of 68 %

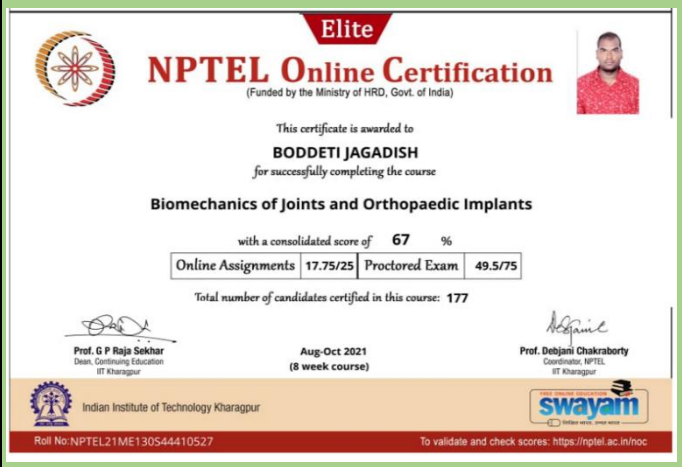
Online Assignments	21.67/25	Proctored Exam	46.5/75

Total number of candidates certified in this course: 73

Dr. Piyush P. Kurur, Chairman, Centre for Continuing Education, IIT Palakkad

Aug-Oct 2021 (8 week course)

Prof. Andrew Thangaraj, NPTEL Coordinator, IIT Madras


Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

BODDETI JAGADISH

for successfully completing the course

Biomechanics of Joints and Orthopaedic Implants

with a consolidated score of 67 %

Online Assignments	17.75/25	Proctored Exam	49.5/75

Total number of candidates certified in this course: 177

Prof. G P Raja Sekhar, Dean, Continuing Education, IIT Kharagpur

Aug-Oct 2021 (8 week course)

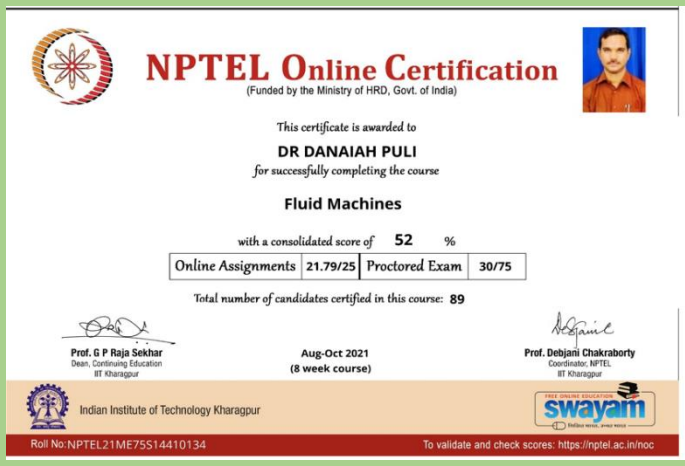
Prof. Debjani Chakraborty, Coordinator, NPTEL, IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL21ME130S44410527

To validate and check scores: https://nptel.ac.in/noc


NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

DR DANAIAH PULI

for successfully completing the course

Fluid Machines

with a consolidated score of 52 %

Online Assignments	21.79/25	Proctored Exam	30/75

Total number of candidates certified in this course: 89

Prof. G P Raja Sekhar, Dean, Continuing Education, IIT Kharagpur

Aug-Oct 2021 (8 week course)

Prof. Debjani Chakraborty, Coordinator, NPTEL, IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL21ME75S14410134

To validate and check scores: https://nptel.ac.in/noc

Sports and Games

Sports and Games

విజేతలకు బహుమతులు అందజేస్తున్న ఆదిత్య యాజమాన్యం

ఆదిత్యలో ఇంటర్నేషనల్ స్టూడెంట్స్ డే

ప్రజాశక్తి - గండేపల్లి

ఇంటర్నేషనల్ స్టూడెంట్స్ డే సందర్భంగా సూరంపాలెం ఆదిత్య ఇంజనీరింగ్ కళాశాలలో ఆటల పోటీలు నిర్వహించారు. బాలురకు కబడ్డీ, వాలీబాల్, బాలికలకు కబడ్డీ, త్రో బాల్ పోటీలు నిర్వహించినట్టు కళాశాల అడ్మినిస్ట్రేషన్ ఆఫీసర్ వేణుగోపాల్ తెలిపారు. ఈ పోటీలలో విజేలకు ప్రిన్సిపాల్ డాక్టర్ టి.కె.రామకష్టారావు, డీన్ డాక్టర్ ఎ.రామకృష్ణ బహుమతులు అందజేశారు. కార్యక్రమంలో ఫిజికల్ డైరెక్టర్స్ విద్యార్థులు తదితరులు పాల్గొన్నారు.

Fri, 19 November 2021
epaper.prajasakti.com/c/64430268

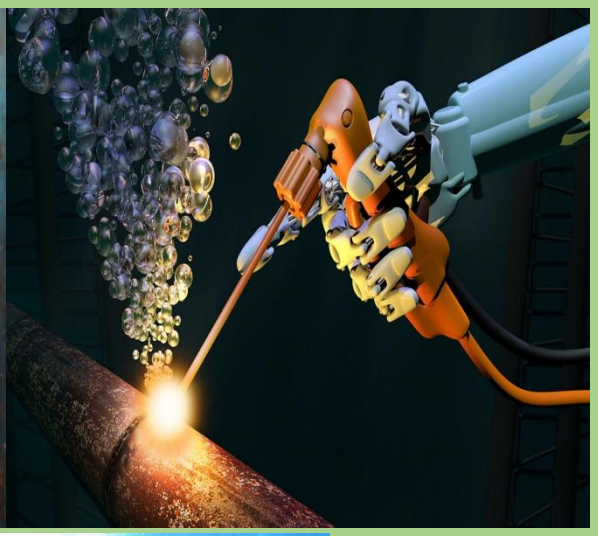
Article

UNDER WATER WELDING

Underwater welding began during World War 1 when the British Navy used it to make temporary repairs on ships. These repairs consisted of welding around leaking rivets of ship hulls. Underwater welding was also restricted to salvage operations and emergency repair works only. In addition, it was limited to depths below the surface of not over 30 ft (10meters). At first, underwater welding was just applied to weld a patch until a more thorough repair could be performed. But as soon as more experience was gained, ambitious individuals and companies joined forces to improve results and to establish achievable specifications.

While underwater welding have been used for new construction & installation of offshore structures, subsea pipelines, & harbour facilities, it is most often used for maintenance and repair applications. These includes repair of damage caused by corrosion, fatigue, and accidents of offshore structures such us oil platforms, repair & replacement of damaged subsea pipeline sections, repairing holes in ship's hulls or collision damage to harbour facilities.

As the name implies, underwater wet welding is done in an environment where the base metal and the arc are surrounded entirely by water. The electrode types used conform to AWS E6013 classification. These electrodes are waterproofed by wrapping them with waterproof tape or by dipping it into special sodium silicate mixes and allowing them to dry. The power source is a direct current machine rated at 300 or 400 amperes.



Mr. D Yaswanth Kumar
Student IV Mechanical

Student Placements

Congratulations

Mr.PS Venkata Sai Gireesh Kumar
CADSYS

Mr. D Siva Lakshmana Raju
Pentagon space

Mr. Mohammad Abdul Javeed
Pentagon space

Mr. Gopisetti Vamsi
Hyundai Motor

P Prabhu Teja
Acuvate

B Siva
Acuvate

D H Rama Krishna
Acuvate

Batch Toppers

III B. TECH - I SEM MECHANIACL – A TOPPERS

Mr. D. YASWANTH KUMAR
18P31A0311 8.86 (SGPA)

Mr. ABHISHEK SINHA
18P31A0302 8.57 (SGPA)

Mr. P.J. VINAY
19P35A0332 8.43 (SGPA)

Batch Toppers

III B. TECH - I SEM MECHANIACL – B TOPPERS

Mr. A. SURYA BHAGAVAN
18P31A0339 8.71 (SGPA)

Mr. M. VEERENDRA
19P35A0375 8.57 (SGPA)

Mr. A. RAMESH
19P35A0351 8.43 (SGPA)

III B. TECH - I SEM MECHANIACL – C TOPPERS

Mr. K. MANIKANTA REDDY
18P31A0351 9.00 (SGPA)

Mr. M. AJAY
18P31A0355 8.71 (SGPA)

Mr. J. N. MANIKANTA SWAMY
19P35A03B1 8.71 (SGPA)

Mr. Y. S. DURGAPRASAD
19P35A03D9 8.57 (SGPA)

IV B. TECH - I SEM MECHANIACL – A TOPPERS

Mr. D. SATHEESH
18P35A0320 8.23 (SGPA)

Mr. B. SIVA
17P31A0309 8.00 (SGPA)

Mr. B.DURGA PRASAD
18P35A0312 8.00 (SGPA)

Mr. B.NANAJI
18P35A0310 7.95 (SGPA)

Batch Toppers

IV B. TECH - I SEM MECHANIACL – B TOPPERS

Mr. K. U. V. DURGA RAO
18P35A0343 8.23 (SGPA)

Mr. M. S.V. KALYAN
18P35A0348 8.09 (SGPA)

Mr. K. SRINU
18P35A0339 8.00 (SGPA)

IV B. TECH - I SEM MECHANIACL – C TOPPERS

Mr.S.GOPALA KRISHNA
18P35A0381 7.91 (SGPA)

Mr. P. THRIMURTHULU
18P35A0375 7.86 (SGPA)

Mr. NISHANTHDEEP
17P31A03667.77(SGPA)

Mr. P. RAMU
17P31A0367 7.77 (SGPA)

IV B. TECH - I SEM MECHANIACL – D TOPPERS (2020-2021)

Mr. Y. SATISH KUMAR
17P31A03B2 7.95 (SGPA)

Mr. V. SATYA
18P35A03A3 7.86 (SGPA)

Mr. T. LAKSHMI GANESH
18P35A03C5 7.86 (SGPA)

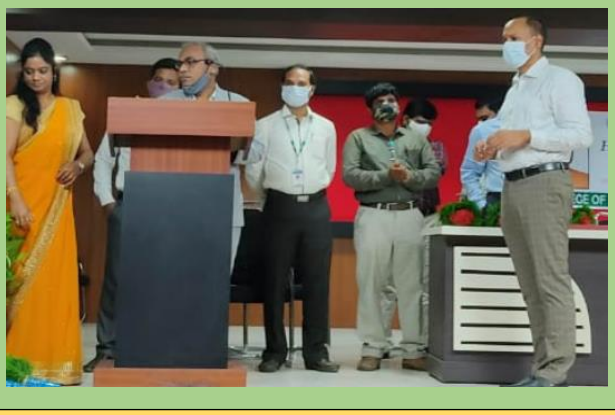
Mr. K. CH. DURGA PRASAD
17P31A0386 7.82(SGPA)

Teachers Day Celebration

Dr CH V V M J Satish, felicitated for being awarded PhD from NIT Warangal

Dr K S S Mohan, felicitated for being awarded PhD from Andhra University

Mr. M Rambabu, felicitated for his long service in the Aditya institutions



Prof. T. Srihari, delivering speech on the occasion of teacher's day

Felicitating senior professor Prof. T. Srihari, on the occasion of teacher's day

Felicitating Head of the Department Dr. P. Danaiah on the occasion of teacher's day

NSS Activities

Vaccination Drive

Covid Vaccination Program for the staff and students conducted by NSS unit – Aditya college of Engineering and Technology with primary health center, Katravulapalli

ఆదిత్యలో విజయవంతంగా వేక్సినేషన్

గండేపల్లి, పెన్ పవర్, సెప్టెంబర్28

గండేపల్లి మండలం నూరంపాలెం గ్రామంలో గల ఆదిత్యా ప్రాంగణంలో మంగళవారం విశ్వేశ్వరాయభవనం నందు ఉ.7-00 నుండి సా.4-30వరకు18 సంవత్సరాలు దాటిన విద్యార్థులకు, సిబ్బందికి కోవిషీల్డ్ మొదటి డోను వేక్సినేషన్ కార్యక్రమం విజయవంతంగా జరిగినట్లు ఆదిత్య విద్యాసంస్థల వైస్ ఛైర్మన్ డా.ఎన్. సతీష్ రెడ్డి తెలియజేసారు. ఈ కార్యక్రమంలో క్యాంపస్ డైరెక్టర్ డా.ఎం. శ్రీనివాసరెడ్డి, ఆదిత్య కాలేజ్ ఆఫ్ ఇంజనీరింగ్ & టెక్నాలజీ కళాశాల ప్రిన్సిపాల్.డా.వి.కె.రామకృష్ణారావు పాల్గొని వేక్సినేషన్ ప్రక్రియను వర్యవేక్షించారు. ఈసందర్భంగా వక్తలు మాట్లాడుతూ ప్రతీ ఒక్కరూ తప్పనిసరిగా వేక్సినేషన్ తీసుకోవాలని, రెండు డోస్‌లు తీసుకున్నాకూడా మాస్క్ తప్పనిసరిగా ధరిస్తూ భౌతికదూరం పాటించాలని అన్నారు. ఈ కార్యక్రమంలో కళాశాల ఎన్.ఎస్.ఎస్.విభాగం కో ఆర్డినేటర్ జె.శ్రీనివాస్, విద్యార్థులు సహకరించగా కాట్రావులపల్లి ప్రభుత్వ ఆసుపత్రికి చెందిన వైద్యాధికారి డాక్టర్. రాజశేఖర్ నేతృత్వంలో వేక్సినేషన్ కార్యక్రమం నిర్వహించారు. వైద్యసిబ్బంది, ఆదిత్య సిబ్బంది పాల్గొన్నారు.

Covid Awareness and Food Distribution

NSS Volunteers in collaboration with Zeal foundation Kakinada Participated in Covid Awareness program and Food distribution to the needy people by following Covid norms and Restrictions

DRIVERLESS CARS

Revolutionary radar technology used in the latest Autopilot 8.0 of the most advanced Tesla driverless Models allows the car to see through fog. Improved braking prevents the car from hitting stray bears. And auditory alerts remind the driver to pay attention to the road. Drivers could certainly benefit from these features. According to the National Safety Council, 2015 had the highest percentage increase in traffic deaths over the past half-century with more than 38,000 people killed and 4.4 million injured. The majority of these deaths are caused by human errors like driving while drunk, driving while fatigued and driving while sipping a hot cup of coffee.

Driverless-car technology should solve these problems. After all, these systems don't (or more accurately, can't) get drunk, drowsy or distracted. This makes them in the eyes of some a safe bet. Yet, such technology merely trades one set of problems for another.

For one thing, an autopilot is only as good as the engineer who designed it. The engineer must think of all the problems a driver could face and preemptively come up with solutions. It's the ultimate imagination test. Success means correctly averting an erratic cyclist. Failure means overlooking the fact that not all potholes are coned off. Autopilot technology puts safety at the mercy of an engineer's brilliant yet imperfect mind.

Addiction to technology is also a concern. No system is perfect, and autopilots are no different. Yet, getting drivers to understand this is a tall order, particularly when technology works so well that admittedly imperfect systems appear perfect.

Here, the short-term thrill of not having to pay attention to the road while on the road takes precedence over the reality that the car's autopilot can fail at any time.

Most important of all are the unintended consequences of technology. Mr. Joshua Brown died when his Tesla Model S drove itself into the trailer of a truck that was crossing a Florida highway. The car's sensors were not able to detect the truck, and it crashed into the bottom of the trailer. New solutions invite new problems.

Dr. N. Stanley Ebenezer
Assistant Professor