

A National Level Technical Fest "IGNITION 2K17"



IGNITION 2K17, A mega National level 2 day Technical fest organized by the Department of Mechanical engineering on 22nd and 23rd Feb, 2017. ANITS took off to a glittering start on this day. The occasion was graced by the chairman of Anil Neerukonda Educational Society (ANES), Principal, HOD and President of student's mechanical association. Parthasaradhi Ghosh, DGM Sinter plant, Visakhapatnam Steel Plant has given due consent to be the chief guest. The HOD, Dr. B. NagaRaju briefed the gathering on the genesis of the department and its growth over the years.

Principal Prof. T. V. Hanumantha Rao congratulated the department for the arrangements. He further wished good luck to all the participants.

The Chairman of the institute congratulated the students of go-kart who brought laurels to the department. He further emphasised that Mechanical, Civil and Electrical engineers are the builders of the country. The chief guest enthralled the audience with his technical prowess and shared his technical experiences with the gathering. He further wished that fest would be a grand success and thanked the organisers for opportunity given to him.

Chief Patron:

Dr. N. B. R. Prasad,
Chairman, ANES

Patron:

Prof. T. V. Hanumantha Rao,
Principal, ANITS

Editorial Board:

Editor-in-Chief

Dr. B. Nagaraju,
Prof. & HOD of MECH Engg.

Members:

Mr. M. S. S. Srinivasa Rao,
Sr. Asst. Prof. MECH Engg.

Mr. J. V. Bhanutej,
Asst. Prof. MECH Engg.

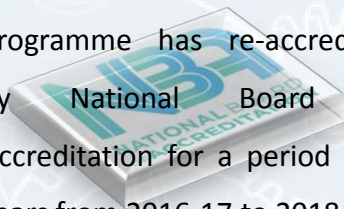
Gold Medalist Batch 2012-16



Mr. G VIKRAM KUMAR RATHORE
312126520031, Mechanical

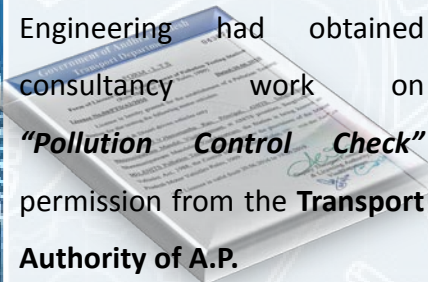
NBA Re-accreditation

Department of Mechanical Engineering Under Graduate programme has re-accredited by National Board of Accreditation for a period of 3 years from 2016-17 to 2018-19.



Consultancy Work

The Department of Mechanical Engineering had obtained consultancy work on "Pollution Control Check" permission from the Transport Authority of A.P.



CAMPUS PLACEMENTS Batch 2013-17

Infosys	28
Tech Mahindra	10
CYIENT	02

NBA team visit to department of Mechanical Engineering

NBA peer committee team member Prof. B. S. Pabla visited the Department of Mechanical Engineering on 11/11/2016 & 12/11/2016. During his visit he has appreciated the department for creating additional facilities for students in view of Outcome Based Education. he has also appreciated the department for developing software for CO-PO assessment .



2 Day Workshop on "Computational Fluid Dynamics (CFD)"



The Department of Mechanical Engineering hosted a 2 day workshop on "**Computational Fluid Dynamics (CFD) & Software Training**" on **5th and 6th August, 2016**. The resource persons for this workshop are **Mr. Khagesh Kumar Chowdhary**, Scientist-NSTL, **Mr. B.Siva Kumar**, JRF-NSTL and **Mr. A.Krishna**, Project Associate-NSTL. This workshop focused on enriching the faculty, research scholars and students understanding about basic concepts of CFD and also on softwares-**ICEM CFD, ANSYS & Fluent**. Faculty from various departments of ANITS, Faculty members from Technical Institutions, Research Scholars, PG Scholars had actively participated in the workshop.

Guest lecture on “Sustainable Manufacturing”

The Department of Mechanical Engineering organized an Expert lecture on **“Sustainable Manufacturing”** by **Dr. R.R. Srikanth**, University of Northern Iowa, USA on **28/07/2016**. All the students of 3rd and 4th year of Mechanical Engineering along with faculty had attended the lecture.



Seminar on “Two Digit development”



The Department of Mechanical Engineering organised a one day seminar on **“2 Digit Development”** under IE chapter on 12th August, 2016.. The final year and third year students of mechanical engineering were attended for this seminar.

Guest lecture on “Vapour Power Cycles”

The Department of Mechanical Engineering conducted an Expert lecture on **“Vapour Power Cycles” in Power Plant Engineering** by **Mr. Harmeeth Singh**, Scientist-DRDO, on **26/08/2016**. All the students of 3rd and 4th year of Mechanical Engineering along with faculty had attended the lecture.



Society of Automotive Engineers (SAE) Collegiate Club

Society of Automotive Engineers (SAE) Collegiate Club main objective is to broaden the boundaries of students by practical thinking and approaches. On **03/09/2016**, the **SAE Collegiate Club** at ANITS is inaugurated by **Prof. T. V. Hanumantha Rao**, Principal, ANITS. On this occasion, he emphasized the importance of college clubs for the professional growth of engineers. He added that the students shall make use of this platform and expose their talents and innovative abilities in the field of Mechanical Engineering. On this inaugural ceremony,



Prof. B. Naga Raju, HOD of Mechanical Engg., M. Prem Dheeraj, Faculty Advisor-SAE Club, Mr. K. Hemanth Kumar, Student President-SAE Club and other senior professors along with the Office Bearers of SAE Club have participated.

Engineer's Day Celebrations



Engineer's Day celebrations was organized in the Department of Mechanical Engineering, ANITS, on the eve of birth anniversary of Sir Mokshagundam Visvesvaraya on 15th september,2016.



Industrial Visit to Steel Plant

The Department of Mechanical Engineering had organized industrial visit to **“RINL (Steel Plant), Visakhapatnam”** on **17/09/2016 & 01/10/2016**. All the third year students of Mechanical Engineering along with Mr. R.D.V. Prasad, Asst. Professor, Mr. M.Prem Dheeraj, Asst. Professor, Mr. B. Nagaraju, Asst. Professor and Mrs. M. Sailaja, Asst. Professor, Mrs. I. Indrāja, Asst. Professor, Mrs. V. Bindhu Neeharika, Asst. Professor, Mechanical Engg., ANITS College had participated.



U TOO CAN CLUB

Students club *U TOO CAN* was inaugurated by Principal Prof.T. V. Hanumantha Rao garu on 07-10-2016. On this occasion, he emphasized the importance of college clubs for the professional growth of engineers. He added that the students shall make use of this platform and expose their talents and innovative abilities in the field of Mechanical Engineering. On this inaugural ceremony, Prof. B. Naga Raju, HOD of Mechanical Engg., J. V. Bhanutej, G. Naresh kumar Faculty Coordinators, Mr. I. Yeswanth Kumar, Student President-U TOO CAN Club and other senior professors along with the Office Bearers of U TOO CAN Club have Participated.



National students day celebration

U TOO CAN club celebrated World Student Day on the eve of birth anniversary of Dr. A.P.J. ABDUL KALAM on 15-10-2016. various competitions were held on this occasion , prizes were distributed for winners



Alumni interaction

Mr.Ramchandran, Mr. Santhosh, Mr.Madhu babu alumni of ANITS Mechanical are interacted with all the U2CAN club members and shared their experiences in industries.



Badminton tournament - U TOO CAN CLUB

U TOO CAN club conducted Inter college Badminton Tournament for 2nd year students of ANITS from 10th December, 2016. Principal Prof.T. V. Hanumantha Rao garu inaugurated the event by playing the game.



Cricket tournament - U TOO CAN CLUB

U TOO CAN club conducted Cricket Tournament for 2nd year students of Mechanical Department, ANITS, on the occasion of IGNITION 2k17 national level technical fest. from 10th December, 2016



A seminar on “Career opportunities in core Mechanical Engineering”

A seminar is conducted on “Career opportunities in core Mechanical Engineering” by Mr. Pradeep Sharma GATE all India topper and Lead Engineer, GE electronics, Bangalore on 8th september 2017.

Alumni interaction and a seminar on “Latest technologies of Mechanical Engg”

Alumni interaction and a seminar on “Latest technologies of Mechanical Engg” by Mr. Ramchandran, Mr. Santhosh, Mr. Madhu babu from BAARC, Quality Dubai, Marine, on 21st December, 2016

Talk on “Role of youth in social service for better nation”

NSS unit of ANITS and U TOO CAN students club together organized a seminar on “Role of youth in social service for better nation” on 27th January 2017. C. Gowtham kumar, Founder of Serve needy organization, Hyderabad has delivered the talk. The NSS students and U TOO CAN



club members attended the seminar. Dr. B Nagaraju, HOD mechanical felicitated the speaker.

A seminar on “Career opportunities and higher studies”

A seminar is conducted on “career opportunities and higher studies for Mechanical Engineers” by George prep, Visakhapatnam on 3rd Feb 2017.

Guest lecture on “Mechanical Vibrations and Energy Harvesting”



The Department of Mechanical Engineering conducted an Expert lecture on “Mechanical Vibrations and Energy Harvesting” by Mr. K. Viswanath Allamraju on 06/04/2017. All the students of 2nd year of Mechanical Engineering along with faculty had attended the lecture.

ISHRAE Activities

ISHRAE Visakhapatnam chapter organized a technical seminar on ***“Improving efficiency & reliability of switch gear products & electrical systems”*** on **22/06/2016** at Fortune Inn Srikanya Hotel, Visakhapatnam.



Lecture delivered by Ranjit Sukumaran, L&T Switch Gear

.Dr.K.Siva Prasad, Mr.B.B. Ashok Kumar and Mr. B.V. Ravi Teja of Mechanical Engineering Department, ANITS attended the seminar.



Mr. Bhaskar Reddy, Marketing Manager, Flowtech Fluid Systems Pvt. Ltd.

ISHARE Visakhapatnam chapter conducted technical seminar on ***“Pumping Basic & Applications and Refurshibmnet of pumps and valves”*** on **13/07/2016** at Hotel Fortune Inn Krishna, Visakhapatnam by Mr. Bhaskar Reddy, Marketing Manager, Flowtech Fluid Systems Pvt. Ltd. Dr. K.Siva Prasad, P. Chandra Sekhar, B.V.Ravi Teja, B.B. Ashok Kumar attended the seminar from ANITS.

ISHRAE Visakhapatnam chapter in association with Fire and security association of India conducted one day workshop on ***“Building a safe and secure India”*** on **22/08/2016**, at Hotel Novotel Visakhapatnam, Varun Beach, Visakhapatnam. Dr.K.Siva Prasad, Associate professor, Mechanical department and Mr.B.R.S.Rayalu, Technician, Mechanical Department attended the workshop.

ISHRAE Visakhapatnam chapter organized technical talk by L&T on ***“Switch gear products in HVAC & refrigeration”*** on 26/08/2016 at Builders Association Hall, Visakhapatnam. Dr. Rajesh Ghosh, M Chandra Sekhar, and J.V.Bhanutej of Mechanical Engineering Department, ANITS attended the seminar.

ISHRAE Activities

ISHRAE Visakhapatnam chapter in association with Honeywell conducted seminar on “Introduction to Green Building concepts & role of BMS in a Green Building” at Hotel Fortune INN Sreekrishna, Visakhapatnam on 17/09/2016. Dr. K.Siva Prasad, Associate Professor and Mr.B.B.Ashok Kumar , Assistant Professor, Mechanical Dept attended the program.



ISHRAE Visakhapatnam chapter organized seminar on “Green Buildings and Building Management systems” at GVP College, Visakhapatnam on 16/09/2016. Mr. M.Prem Deeraj and Mr. B.G. Chandra sekar along with students of ¾ Mechanical attended the program



ISHRAE celebrated International day on 16/09/2016 for the prevention of the Ozone layer under the theme “Ozone and climate: restored by a world united” at Integral Institute of Advanced Management (IIAM), Visakhapatnam. Dr. K.Siva Prasad, Associate Professor, Mechanical Dept attended the program.

ISHRAE Visakhapatnam chapter conducted joint programme by ISHRAE & FSAI , Visakhapatnam chapters on on " WIRELESS FIRE ALARM SYSTEM ", by Aros Technologies, Nasik on 20th April, 2017 between 5pm to 7pm at Builders Association Hall, above Hotel Tycoon, Siripuram, Visakhapatnam.

ISHRAE Visakhapatnam chapter conducted seminar on ENERGY EFFICIENCY IN BUILDINGS. on the 28th April, 2017 at A P Chambers of Commerce and Industry Federation, Visakhapatnam Zone in association with ASSE, AP chapter.

Workshop on “3D printed Quad Copter”

The Department of Mechanical Engineering has organised a two day workshop on “3D printed Quad Copter” on 29th and 30th Dec 2016. The programme was formally inaugurated by Dr.N.B.R.Prasad, Chairman of ANITS. Prof.T.V.Hanumantha Rao, Principal, ANITS has graced the occasion. This workshop was arranged in collaboration with Hobby-Pep, who have shown keen inclination in educating the students on the nuances of Quad



Copter technology which are familiar as Drones. The students from various universities and premier institutions likes NITs and IITs are availing this opportunity to enrich their knowledge. Dr.B.NagaRaju, Head of the Dept., Mr.M.RajaRoy, coordinator of workshop, Mr.Nithin Krishna, resource person, Mr.Vikas, student President and other senior faculty participated in the programme.

Workshop on “Fabrication of Unmanned Aerial Vehicles ”



This workshop was arranged in collaboration with Hobby-Pep, The students from various universities and premier institutions likes NITs and IITs are availing this opportunity to enrich their knowledge.

The Department of Mechanical Engineering has organised a two day workshop on “Fabrication of Unmanned Ariel Vehicles” on 5th and 6th Jan 2017.

Workshop on "Bike Overhauling "

The Department of Mechanical Engineering and SAE Club has organised a two day workshop on "BIKE OVERHAULING" on 22rd and 23rd Feb 2017.



NSS Activities

S.No	Date	Event	No of participants
1	11-08-2016	Blood donation camp	80
2	19-08-2016	Vanam manam (tree plantation)	25
3	01-12-2016	AIDS rally	150
4	18-12-2016	Fund collection(poor girl medication)	8
5	20-12-2016	Swach ANITS	70
6	27-01-2017	The role of youth in social services for a better nation by serve needy organization	140
7	19-02-2017	Swach ANITS	100
8	05-03-2017 06-03-2017 15-03-2017	NRI(medical hospital) medical camp	300
9	08-03-2017	Fund collection(poor student medication)	6

ANITS Mechanical Engineering students Won 1st prize in ELITE Go-kart racing event



The students of mechanical engineering department were participated in the national level Go-kart racing conducted by Elite group. Total 4 teams each consisting of 20 members from the department were qualified to participate in the final event of the race, among them one team has won the 1st prize in the category best video journey to race and bagged cash prize of Rs 10,000 /- . Each team has fabricated their own Go- kart to participate in this event.

Faculty publications

S. No	Name	Title of the paper	Name of the journal	Details
1	Dr. Kondapalli Siva Prasad	Effect of pulsed Current Micro Plasma Arc Parameters on weld bead geometry of AISI 316Ti Austenitic stainless Steel	Journal of Mechanical and Mechanics Engineering	Volume 3 Issue 1
2	M.Prasanth Kumar	Performance Study on Asymmetric FLD Using Coatings	International Journal of Mechanical Engineering and Technology	Volume 7, Issue 6, November-December 2016 ISSN Print:0976-6340 and ISSN Online :0976-6359
3	G.Uma Maheswara Rao	Effect of Machining Parameters on Cutting Forces in Step Turning Process	Journal of Mechanical and Mechanics Engineering	Volume 2 Issue 2
4	G.Naresh	Optimization of Machining Parameters In Milling of AA 64430 with Its AMC	International Journal of Mechanical Engineering & Computer Applications	IJMCA, Vol. 4, No. 3, May- June 2016,ISSN - 2320-6349
5	Dabbiru Vijay Akash Dr. Kondapalli Siva Prasad	Fatigue Analysis of Friction Welded Stringer Panel of an Aircraft Wing	Journal of Automation and Automobile Engineering	Volume 1 Issue 3
6	Dr. Kondapalli Siva Prasad	Design and Analysis of Helical Gear with Involute Profile	Journal of Advancement in Machines	Volume 1 Issue 3
7	K.Satyanarayan a,S.Phani Kumar,M.S.S.Srinivasa Rao	Thermo –Structural Finite Element Analysis of I.C.Engine Pistons	International Colloquaiun on Materials, manufacturing and Matrology	ICMMM 2014

Faculty publications

S. No	Name	Title of the paper	Name of the journal	Details
8	Chinthada Manikantaeswar Rao, Gudla Pavani, Kondapalli Siva Prasad	Review on Application of Utility Poles for Power Transmission	Journal of Materials & Metallurgical Engineering	ISSN:2321-4236 (print)
9	Kondapalli Siva Prasad	Effect of Pulse Current Micro Plasma Arc Welding Parameters on Pitting Corrosion Rate of AISI 316Ti Sheets in 3.5 N NaCl Medium	Journal of Materials & Metallurgical Engineering	ISSN:2321-4236 (print) Volume 6, Issue 3
10	S.Bharat Babu, Dr.B.Naga Raju, K.Naresh Kumar	Experimental Investigation on Tensile and damping Properties of Flyash Reinforced Glass Fiber Epoxy Composites	International Advanced Research Journal in Science Engineering and Technology	VOL.3, Issue 9, September 2016
11	Gudla Pavani, Chinthada Manikanteswar Rao, Kondapalli Siva Prasad	Review on Metal Bellows Used in Expansion Joints	Journal of Advancement in Robotics	ISSN:2455-1872 (online) Volume 3 Issue 1
12	M.Sailaja	Investigation on Effect of Cutting Forces and Surface Finish in Plain Milling Using Box Behnken Design	Journal of Thin Films Science Technology and Application	ISSN:2455-3344 (online) Volume-3, Issue 1,
13	Geetha Chandra Sekhar, Rajesh Ghosh, Naresh Gurajrapu & Venkata Raghavendra Rao Jayanthi	Thermo –Structural Analysis of I.C. Engines Piston	Journal of Automobile Engineering and Application	ISSN:2455-3360 (online) Volume 3, Issue 2
14	A P S V R Subramanyam, J.Madhukiran, G.Naresh, and Dr.S.Madhusudhan	Fabrication and Characterization of A1356.2 Rice Husk Ash and Fly Ash Reinforced Hybrid Metal Matrix Composite	International Journal of Advanced Science and Technology.	Vol.94(2016).pp 49-56 ISSN:2005-4238 IJAST

Staff Achievements

Dr. K. Siva Prasad Assoc.Prof.	Published a book titled "Simulation of Deep Drawing die for Optimizing Die corner Radius " Scholar's Press, Germany, ISBN:978-3-659-84076-0.
Dr. K. Siva Prasad Assoc.Prof.	Appointed as reviewer for International Journal of Agricultural Policy and Research.
Dr. K. Siva Prasad Assoc.Prof.	Appointed as conference organizing committee member for 2nd International Conference on Applied Science Engineering and Technology, which is going to be held on 18th - 19th October 2016 in Tirupati.
Dr. K. Siva Prasad Assoc.Prof.	Reviewer for International Research Journal of Pure and Applied Chemistry, SCIENCEDOMAIN international
Dr. K. Siva Prasad Assoc.Prof.	Reviewer for 5th Global Conference on Materials Science and Engineering (CMSE 2016),held at Tunghai University in Taiwan
Dr. K.Siva Prasad Assoc.Prof.	Reviewer for Journal of Additive Manufacturing, ELSEVIER.
R. Chandra Mouli Assoc.Prof.	Received a honorable invitation to join as an organizing committee member for International Conference on Research Challenges in Engineering & Technology (ICRCET-16) organized by IFERP- (Institute for Engineering Research and Publication) at Sri Venkateswara College Of Engineering, Tirupati on 5th 6th August, 2016
R. Chandra Mouli Assoc.Prof.	Appointed as reviewer with Indian Journal of Science and Technology
R. Chandra Mouli Assoc.Prof.	Received invitation as a speaker at theInternational Conference on Power & Energy Engineering to be held during September 29-30, 2016 in London, UK.
R. Chandra Mouli Assoc.Prof.	Received invitation as a speaker in the 6th International Symposium on Energy Challenges and Mechanics (ISECM) - towards a big picture, 14-18 Aug 2016, Inverness, Scotland, UK.
Dr. K.Siva Prasad Assoc.Prof.	Appointed as a Editorial board member/peer reviewer of International Journal of Mechanical Engineering and Applications, SciencePG.
Dr. K.Siva Prasad Assoc.Prof.	Invited as honorable Speaker for Petroleum Engineering 2016, August 15-17, 2016 Crowne Plaza, Heathrow, London, UK .
Dr. K.Siva Prasad Assoc.Prof.	Invited as honorable Speaker for "Global Congress on Material Science 2016", during September 26-28 , 2016, in Dubai, UAE.
R. Santhosh kumar, CAD Lab Technician	Received special recognition award form ANITS on annual day celebrations.

Faculty attended conferences & workshops

S.No	Title	Seminar/Work shop	Place	Staff Name
		/Conference		
1	Materials and Manufacturing	Workshop	Department of Mechanical Engineering, Andhra University on 23rd March 2017.	Dr K.Siva Prasad
2	"Materials Tribology: Fundamentals and Recent Advances"	Workshop	Department of Mechanical Engineering, Indian Institute of Technology (banaras Hindu University), Varanasi, 23rd - 29 th March, 2017	B.Geetha Chandra Sekhar
3	Modeling Simulation and Experimental Approaches of UCM Techniques	Training Programme	IIT Madras during, March 13-18, 2017	Dr K.Siva Prasad
4	3 Day Certificate Programme on Advanced Automotive Engineering	Training Programme	Christ University, Bangalore from 9th to 11th January, 2017.	M Prem Dheeraj
5	3 Day Certificate Programme on Advanced Automotive Engineering	Training Programme	Christ University, Bangalore from 9th to 11th January, 2017.	J V Bhanutej
6	Machine Foundation Design with Hands – on Practice	Training Programme	GVP College of Engineering (Autonomous) 26th September, 2016	M.Prasanth Kumar
7	Emerging Trends in Automotive Technologies	Workshop	Dept of Mechanical Engineering, MVGR college of Engineering. 1st and 2nd August, 2016.	J V Bhanutej
8	Emerging Trends in Automotive Technologies	Workshop	Dept of Mechanical Engineering, MVGR college of Engineering. 1st and 2nd August, 2016.	M Prem Dheeraj

Students Participation

S.No	Title	Seminar/ Workshop	Place	Student Name
		/Conference /Sports		
1	ISHRAE Deccan Chapter Quest	Workshop	Hyderabad	V.Tejaswini, P.Santhosh Kumar, Y.Jagan Mohan Rao, T.Rohit of IV/IV
2	Tricopter -UAV	Workshop	16th to 18th December,Techfest 2016-17 IIT Bombay	Sunandha Chintaralaya of III/IV
3	Haptics Robotic Arm	Workshop	16th to 18th December,Techfest 2016-17 IIT Bombay	Mounika, Harshavardhan Neelathi, Vivek, Krishna Manoj, Pooja,Tigiripalli Mounica, Yavvari Anil Kumar, Yellabelli Ezra David, Ruttala Abhiram, Reethu Paravada, Ganesh Rajulapati, Lekhanvitha Patnala, S V S Sarath Chandra of III/IV
4	Automobiles and IC Engines	Workshop	16th to 18th December,Techfest 2016-17 IIT Bombay	Srawan Mulaka, Avinash Manyala, Kethani Bonela, Paila Chandini, Kularam Jyotshna, Kaniti Praveen, M.Mohan, N D M Chandra Raj, Gudla Sravya, Venkata Sarat Chandra Pillutla, Sahana Gollapalli, Prasanthi Girada of III/IV
5	All India Inter University swimming championship	Sports	2016-2017, Punjab University, Chandigar	D. Pooja Leela Rani, III/IV mech
6	All India Inter University swimming championship	Sports	2016-2017, Punjab University, Chandigar	B. S. Karthik Roshan, I/IV mech
7	All India Inter University swimming championship	Sports	2016-2017, Punjab University, Chandigar	K Balaram Krishna, I/IV mech
8	South Zone Inter University Football championship	Sports	2016-2017, Gulbarga University, Karnataka.	R enkata Ramana, III/IV mech

Photo gallery



Photo gallery



Photo gallery

