

VISION

To prepare mechanical engineers with global competency and desire to serve the society.

MISSION

- ✦ **DM1:** Transforming students as Mechanical Engineers with professional attitudes, Industrial adoptability, and leadership abilities.
- ✦ **DM2:** Providing Quality Education with state-of-art facilities.
- ✦ **DM3:** Inculcating ethical values, ability to lifelong learning and social responsibilities.

PROGRAM EDUCATIONAL OBJECTIVES

- ✦ **PEO1:** To pursue successful careers or higher studies in Mechanical engineering through their strong foundation in mathematics, science and engineering.
- ✦ **PEO2:** To analyze and design appropriate solutions for socially relevant problems by using current engineering techniques.
- ✦ **PEO3:** To exhibit professionalism, ethical attitude, communication, managerial skills, team work and social responsibility in their profession and adapt to current trends by engaging in continuous learning.
- ✦ **PEO4:** To grab an opportunity to expand their horizon beyond Mechanical engineering.

Students Achievements



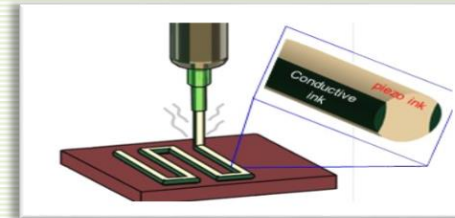
D.Manikanta IV year Gold Medal |P.Kumar Raja IV year Silver Medal



MECH NEWS
FEB-MARCH 2018-19



3-D Print Piezoelectric Material



"Piezoelectric

materials convert strain and stress into electric charges".

The piezoelectric materials come in only a few defined shapes and are made of brittle crystal and ceramic -- the kind that require a clean room to manufacture. Zheng, assistant professor has developed a technique to 3D print these materials so they are not restricted by shape or size. The material can also be activated -- providing the next generation of intelligent infrastructures and smart materials for tactile sensing, impact and vibration monitoring, energy harvesting, and other applications. *3D printing of piezoelectric*, sensors and transducers a factor in current piezoelectric fabrication is the natural crystal used. At the atomic level, the orientation of atoms are fixed. Zheng's team has produced a substitute that mimics the crystal but allows for the lattice orientation to be altered by design."They synthesized a class of highly sensitive piezoelectric inks that can be sculpted into complex 3D features with ultraviolet light. The inks contain highly concentrated piezoelectric Nano crystals bonded with UV-sensitive gels, which form a solution -- a milky mixture like melted crystal -- that print with a high-resolution digital light 3D printer.

The material has sensitivities 5-fold higher than flexible piezoelectric polymers. The stiffness and shape of the material can be tuned and produced as a thin sheet resembling a strip of gauze, or as a stiff block. "A team making them into wearable devices, like rings, insoles, and fitting them into a boxing glove where we will be able to record impact forces and monitor the health of the user,"

--- Article by **R.S.D.Pavan Kumar(168T1A0365)**

EVENTS CONDUCTED

Farewell

Students of third year bided farewell to their seniors on 01.03.2019. showed their gratitude to teachers and shared the memories in Elated phase.



Annual Day

Dhanekula Institute Of Engg & Technology celebrated the annual day on 2nd march 2019 in open auditorium. The event was inaugurated by Mr. Arja Srikanth IRS in the companionship of Mr. K.V.S. Baba ,chairman managing director, power system operation corporation sytem, New Delhi. Sri Dhanekula Ravindranath Tagore Chairman, Sri Dhanekula.Venkata Bhavani Prasad Secretary & Correspondent ,Sri D.K.R.K. Ravi Prasad Addl. General manager BEL Machilipatnam, Dr.K.Ravi Principal .

Sutdents of Mechanical department bagged prizes in singing, painting and academics.



C-Zone

JNTUK C-Zone Inter Collegiate Men Tournament conducted in institute on 15-02-2019 to 16-02-2019 .Students from mechanical branch second year ,third year and final year participated in c-zone in various sport events.



Names	Year	Event Name	Awarded
Ch Vinay	III	JNTUK C Zone	Runner
K Rakesh	III	JNTUK C Zone	Runner
B Sateesh Babu	IV	JNTUK C Zone	Runner
B Amarnadh	III	JNTUK C Zone	Runner
K sai Murali	III	Kabbadi	Runner
V sunil Kumar	III	Kabbadi	Runner
T sai Krishna	III	Kabbadi	Runner
S L Charan Krishna	III	Kabbadi	Runner
Y Gopi	III	Kabbadi	Runner

B Raj Kumar	II	Volley Ball	Winner
E Sai Chandu	II	Volley Ball	Winner
I Ajay	II	Volley Ball	Winner
G Aravind Kumar	II	Volley Ball	Winner
K Harsha Vardhan	IV	Kabbadi	Winner
Ch Ajay	IV	Kabbadi	Winner
M D V Rama Krishna	IV	Kabbadi	Winner
K Sandeep Teja	IV	Kabbadi	Winner
N Sandeep	IV	Kabbadi	Winner
Ch Venkatesh	IV	Kabbadi	Winner
N Rajesh	IV	Kabbadi	Winner
M Bala Krishna	IV	Kabbadi	Winner
Ch N V Ganesh	IV	Kabbadi	Winner
K Santosh Reddy	III	Kabbadi	Runner
M Yugandhar	III	Kabbadi	Runner
Y Sai	III	Kabbadi	Runner
Y Mahesh	III	Kabbadi	Runner

PLACEMENTS

NAME	ROLL NUMBER	COMPANY	DATE OF DRIVE
J.Ratna Teja	158T1A0372	Surya Tech Ltd	27.02.2019
N.Rajesh	158T1A0369	Surya Tech Ltd	27.02.2019
Venkata Mahendra.K.	158T1A03A9	Surya Tech Ltd	27.02.2019
M Vinay Kumar	158T1A03B4	Surya Tech Ltd	27.02.2019
P. Sri Harsha	158T1A0396	Surya Tech Ltd	27.02.2019
Pattela Pavan Kumar	158T1A0362	Surya Tech Ltd	27.02.2019
Ravi Kumar. A.	158T1A0373	Surya Tech Ltd	27.02.2019
Ravi Teja Thota	168T5A0326	Surya Tech Ltd	27.02.2019
N Nagendra Babu	168T5A0318	Surya Tech Ltd	27.02.2019
MNVSSS Manikanta	168T5A0315	Surya Tech Ltd	27.02.2019
Murari Bala Krishna	168T5A0317	Surya Tech Ltd	27.02.2019
D Sai C.Manikanta	158T1A0378	Surya Tech Ltd	27.02.2019
Venkata Krishna .B.	158T1A03A8	Surya Tech Ltd	27.02.2019
G.Sri Krishna	158T1A0397	Surya Tech Ltd	27.02.2019
Surendra.v	158T1A0381	Noveau Med.Pvt Ltd	20.03.2019
Tejesh Kumar	168T5A0309	Noveau Med.Pvt Ltd	20.03.2019
Bharath Chandra	158T1A0308	Noveau Med.Pvt Ltd	20.03.2019
Mahendra	158T1A0335	Noveau Med.Pvt Ltd	20.03.2019
Sri Harsha	158T1A0396	Noveau Med.Pvt Ltd	20.03.2019
Praneeth	158T1A0365	Noveau Med.Pvt Ltd	20.03.2019
Rakesh	158T1A0370	Noveau Med.Pvt Ltd	20.03.2019
Laxmi Kumar	168T5A0305	Noveau Med.Pvt Ltd	20.03.2019
Raja Sekhar Reddy	158T1A0368	Noveau Med.Pvt Ltd	20.03.2019

NAME	ROLL NUMBER	COMPANY	DATE OF DRIVE
Sai Chandra manikanta	158T1A0378	Noveau Med.Pvt Ltd	20.03.2019
Pavan Raja	158T1A0363	Noveau Med.Pvt Ltd	20.03.2019
Chandrasekar	158T1A0309	Noveau Med.Pvt Ltd	20.03.2019
Lochan	158T1A0338	Noveau Med.Pvt Ltd	20.03.2019
Manoj Kumar		Noveau Med.Pvt Ltd	20.03.2019
Phani Varma	158T1A03B7	Noveau Med.Pvt Ltd	20.03.2019
Siva Ganesh Kumar	158T1A0393	Noveau Med.Pvt Ltd	20.03.2019
Jaya Chandra	158T1A0324	Noveau Med.Pvt Ltd	20.03.2019
Karthik	158T1A0328	Noveau Med.Pvt Ltd	20.03.2019
sk.Rameez	158T1A0391	Noveau Med.Pvt Ltd	20.03.2019
K.Siva Shankar	158T1A0395	Noveau Med.Pvt Ltd	20.03.2019
Abdul Rehman	158T1A0303	Noveau Med.Pvt Ltd	20.03.2019
Ch. Naga Venkata Ganesh	168T5A0306	ELEATION	20.03.2019
P. Kumar Raja	158T1A0335	ELEATION	20.03.2019

Editorial & design Team

Faculty: Ms.B.Mounika, Assistant Professor.

Students: P.Kumar Raja - IV Year

G.Charitesh Babu - III Year

G.Pavan Kumar - II Year