

Details of Achievement by Students (AY:-2018-19)

1. Mr. Ankitsinh J Rajput received award during 47th.ISTE Annual Convention at Saint gits college of Engineering Kottayam held during 27th – 29th January 2018 for ISTE-GSFC Best M.Tech Thesis.
2. Dhananjay Nayak is the **winner** of **Troubleshoot** in the two day students Technical Meet, **Techknow quest 2018** organised by G H Patel College of Engineering and Technology during 19th -20th January 2018.
3. Dhananjay Nayak is the **winner** of **Quizzeria** the two day students Technical Meet, **Techknow quest 2018** organized by G H Patel College of Engineering and Technology during 19th -20th January 2018 .
4. Harsh Dadhaniya is the **winner** of **lawn tennis singles and doubles** both held at Mithapur on 26th September 2018 in **Khel Mahakumbh** organized by sports authority of Gujarat.
5. Mr. Vedant Rajput & Mr. Kashish Mehta won **second** prize in **aQuest quiz competition** organized by ISHRAE Vadodara Chapter held at ADIT on 18th Dec 2018.
6. Mr. Ronak Patel, Mr. Darshan Patel, Mr. Archit Patel & Mr. Nikhil Popatiya received **ISPG-UG grant** of Rs. 49000/- for project titled “**Design and development of Thermo Acoustic Refrigerator**” guided by Dr. Vishal Singh & Prof. Sanjiv Rajput.
7. ADIT ISHRAE Student’s Chapter team **won** in **Cricket Tournament** organized by **ISHRAE Vadodara Chapter** dated 22nd Dec 2018.
8. Mr. Shyamal Thakkar, Mr. Sohit Tickoo & Mr. Sahil Vohra received SSIP grant of Rs. 15000/- for project titled “**Modelling & Simulation of Automated Ball throwing Machine**” guided by Prof. Sankalp Soni.
9. Mr. Rohit Vishal received SSIP grant of Rs. 10,000/- for project titled “**Study of low biogenic fuels with steam and air fluidized bed gasification for synthetic gas production with gas impurity concentration**” guided by Dr. Vishal Singh & Dr. Mitesh Shah.
10. Mr. Lay K Naik was awarded with Cadet rank in 2 GUJ CTC NCC of Gujarat Directorate and was a part of training camp under 201 Engineering Regiment from 23rd July to 6th August 2018.
11. Mr. Lay K Naik (part of 2 Gujarat CTC) was certified as Best Cadet (Army) in Inter Group Competition 2018 in SD category held during 3rd Oct 2018 to 12th Oct 2018 at LAW GARDEN, Ahmedabad.

Research papers by students (AY:-2018-19)

1. Milan Sojitra, R. Singh, Vishal Singh, Mitesh Shah, “CFD analysis of solar thermal storage device”, International Conference of Energy storage technologies and systems, Jaipur, India, 23rd Nov.2018. PG

Details of Achievement by Students (AY:-2017-18)

1. Mr. Ankitsinh J Rajput received award during 47th.ISTE Annual Convention at Saintgits college of Engineering Kottayam held during 27-29 January 2018 for ISTE-GSFC Best M.Tech Thesis.
2. Mr. Vivek D Patel received best research paper award at 22nd.ISTE state annual faculty convention 2017.
3. Mr. Prajapati Mehul winner in real steel event organised as a part of national level technical festival at CHARUSAT CHANGA.
4. Prajapati Hardik participated on 26th January 2017 Republic Day Celebration at New Delhi.
5. Dhananjay Nayak is the winner of Troubleshoot in the two day students Technical Meet, Techknow quest 2018 organised by G H Patel College of Engineering and Technology during 19th -20th January 2018.
6. Dhananjay Nayak is the winner of Quizzaria in the two day students Technical Meet, Techknow quest 2018 organised by G H Patel College of Engineering and Technology during 19th -20th January 2018 .
7. Harsh Dadhaniya is the winner of lawn tennis singles and doubles both held at Mithapur on 26th September 2018 in Khel Mahakumbh organized by sports authority of Gujarat.
9. Mr. Vedant Rajput & Mr. Kashish Mehta won second prize in aQuest quiz competition organized by ISHRAE Vadodara Chapter held at ADIT on 18th Dec 2018.
10. Mr. Ronak Patel, Mr. Darshan Patel, Mr. Archit Patel & Mr. Nikhil Popatiya received ISPG-UG grant of Rs. 49000/- for project titled “**Design and development of Thermo Acoustic Refrigerator**” guided by Dr. Vishal Singh & Prof. Sanjiv Rajput.
11. Mr. Pranav Parekh has qualified to zonal level competition 2018 (West zone) of DRDO Robotics & Unnamed systems Exposition (DRUSE) for “Assistive glove for disable personal” on 03-04 April,2018.

Research papers by students (AY:-2017-18)

1. A. S. Pandey, M. I. Shah, V Patel, T Rajput, "Review Of Pumping Technologies For Micro Scale Devices", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. UG
2. M V Makwana, M B Patel, Hiren Jadav & Jaydipsinh Vihol, "Time Study of Production Process of Solid Shaft for Megha Engineering Works", IJRASET, ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue III, March 2018. UG
3. M V Makwana, M B Patel, Faizan Malek, Himanshu Koirala & Dharmil Patel, "Pneumatic Rubber Cutting Machine", IJSART - Volume 4, Issue 4, APRIL 2018, ISSN [ONLINE]: 2395-1052. UG
4. V A Desai, M I Shah, V N Singh, Raghavendra T, "Effects of sub-cooler on cooling performance of inverter variable refrigerant flow (IVRF) type air conditioning system: A Review", 22nd ISTE State Annual Conv. and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
5. M Patel, M I. Shah, J Andharia, F Tinwala, A Joshi, V N. Singh, "A Review: Drying Kinetics of Thin Layer Agro Products", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
6. U Patel, M I Shah, V N Singh, J Pandey, "Lignocellulosic biomass pyrolysis: A review of Bio Oil properties and effects of pyrolysis parameters", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
7. B Patel, V N Singh, M I Shah, S Narnaware, "Co-gasification of coal/biomass blends and effects of parameter variation on the performance of gasifier: A Review", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
8. K J. Modi, Y D. Patel, H B. Joshi, C Turakia, "Geometric Design of Profile for Triple Screw Rotor Pump", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
9. J G. Dharsandiya, V M. Vaghasiya, Y D. Patel, "Trajectory Planning for Spatial Dual Arm Manipulator", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
10. D Dangroshiya, Y D Patel, T R Prajapati, "Design Synthesis for 18 Speed Gear Box for a machine tool", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG
11. V Chauhan, S G Soni, Y D Patel, "Foot Design for Bipedal Robots: A review", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development" ADIT,30th Dec 2017. PG

12. V D Patel, Y D Patel, K J Shah, J Bhura, “Thermo-structural analysis of conventional type jacketed (MSGSL) vessel”, 22nd ISTE State Annual Convention and Conference on Theme “Engineering Innovations for Social and Environmental Development” ADIT,30th Dec 2017. PG
13. H K Devjani, P D. Patel, Y D Patel, A R. Srinivas, “Review Of Technological Developments In Mesh Deployable Reflectors”, 22nd ISTE State Annual Convention and Conference on Theme “Engineering Innovations for Social and Environmental Development” ADIT,30th Dec 2017. PG
14. H K Devjani, P D. Patel, A Mahitkar, Y D Patel, A R. Srinivas, “Design & Development of an Offset Unfurlable Parabolic Reflector for a Satellite Antenna”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue III, March 2018. PG

Research papers by students (AY:-2016-17)

1. P Rakholiya, H Savsani and A Y Joshi, Effect of minimum quantity lubrication (MQL) on grinding: A review, ISBN: 978-93-85225-81-9, 24th International Conference on Production, Mechanical And Automobile Engineering (ICPMAE-2016), 20th November, Gujarat ,Nov 2016 UG
2. J Raval, V Savani, A Y Joshi, A Review Of Minimum Quantity Lubrication (MQL) On Machining Processes On Lathe, ISBN: 978-93-85225-81-9, 24th International Conference on Production, Mechanical And Automobile Engineering (ICPMAE-2016), 20th November, Gujarat, Nov 2016. UG
3. A Y Joshi, M K Patel and B T Patel, Development of Portable Magnetic Chip Separator, IJTE special issue for ICRISSET 2017, BVM, V V Nagar, Feb 2017. UG
4. M. D. Dalwadi, H. K. Naik, R. D. Padhiar, S. S. Rana and N. K. Chavda, Enhancement Of Thermal Performance Of Solar Flat Plate Collector Using SiO₂ Nanofluid, Journal on Future Engineering & Technology, Vol. 12, Issue No. 4, May - July 2017, pp. 33-40. UG
5. Ronak Shah, Rajesh Chokshi , Nikunj Patel and Adarsh Patel, "Pyramid Solar Still with Polyvinlyl Fluoride Cover: Experimental Analysis", Proceedings of International Conference on Emerging Trends in Mechanical Engineering, G. H. Patel College of Engineering & Technology, Vallabh Vidyanagar- 388120, ISBN: 978-93-84659-77-6, Gujarat, India, Feb. 24-25, 2017. UG
6. H Patel, D A Jani and A Y Joshi, Comparison of potential injuries to the head and lower extremities of a motorcyclist during impact with W-beam and wire rope barriers using FE simulations, ISSN: 1358-8265 (Print) 1754-2111 (online), International Journal of Crashworthiness, March 2017. PG
7. J D Prajapati, V N Singh, P A Bhatt, M I Shah, S D Bhavsar and M A Ekbote, "A technique to reduce the variation in Froude Number among multiple branches: Application in onset of gas entrainment experiment", 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP 2016), ISBN 978-93-5267-408-4, Paper No. 358, MNNIT Allahabad, Uttar Pradesh, India, Dec 2016. PG
8. J Modh, S B Bhatiya and H B Joshi, "Review of Different Types of Bearing Failure", IJARIE, ISSN(O)-2395-4396, Vol-2 Issue-3, Page No. 453-460, May 2016. PG
9. Ritesh N. Patel and N. K. Chavda, A Review on Application of Nanofluid in Enhancement of Thermal Performance of Various Types of Heat Pipes, International Journal of Advance Research and Innovative Ideas in Education, Vol-2, Issue-3, PP: 2032-2044, June 2016. PG

Research papers by students (AY:-2015-16)

1. N Chavda, Y D Patel, D A Jani and P Jha, Design and analysis of 100 T capacity bottom pulley hook block for double girder EOT crane, Multi-disciplinary Sustainable Engineering: Current and Future Trends – Tekwani, Bhavsar & Modi (Eds), © 2016 Taylor & Francis Group, London, PP:427-432, ISBN 978-1-138-02845-6, 2016. PG
2. H K Sharma, K Bhatt, K J Shah and U A Joshi, Experimental Analysis of Friction Stir welding of Dissimilar Alloys AA6061 and Mg AZ31 Using Circular Butt Joint Geometry, 3rd International Conference on Innovations in Automation and Mechatronics Engineering, ICIAME 2016 (ELSEVIER), Procedia Technology 23 (2016), 566-572, 2016. PG
3. T Dave, M I Shah and V N Singh, Numerical modeling of frost formation on flat surface, Accepted in journal of Institution of Engineers (India)-Series C, Manuscript Number: IEIC-D-16-00064R1, ISSN No: 2250-0553, 2016. PG
4. J Patel and V N Singh, PCM Augmented composite Wall for Base Transceiver Station (BTS) for TELECOM Towers, ISME17, IIT Delhi, New Delhi, 2015. PG
5. Y Patel and M I Shah, Numerical Modelling of Heat and Mass transfer analysis of a rectangular moist object subjected to convective drying, ISME17, IIT Delhi, New Delhi, 2015. PG
6. V H Patel, V N Singh and B J Sheth, Design and Experimental Analysis of 15kW Down Draft Gasifier, ICAER-2015, IIT BOMBAY, POWAI, 2015. PG
7. N P Shah, V N Singh and B J Dutt, CFD and experimental Investigation on a cyclone separator performance for Fluidized Bed Gasifier, ICAER-2015, IIT BOMBAY, POWAI, 2015. PG
8. T Mishra, Y D Patel and U A Joshi, Design of lobe pair profile of an external rotary lobe pump, Proceedings of 2nd International and 17th National conference on Machines and mechanisms, IIT Kanpur, 2015. PG
9. H Dobaria, Y D Patel and D A Jani, Improving dimensional accuracy by error modelling and its compensation for 3 axis vertical machining center, Proceedings of 2nd International and 17th National conference on Machines and mechanisms, IIT Kanpur, 2015. PG
10. R M Patel, V N Singh and M I Shah, Design and experimental analysis of Biomass Sand bed Fluidized Bed Gasifier, 5th International Conference on Advances in energy research, IIT Bombay, PP 252, 2016. PG
11. H Shah, S B Bhatia, U A Joshi, “Review of Friction Stir Welding Process for Dissimilar Metals and Alloy”, Proceedings of the National Conference on Design, Analysis and Optimization in Mechanical Engineering (DOAME – 2016: ISBN: 978-93-5258-831-2), 136–142, Department of Mechanical Engineering, M. S. University, Gujarat, March 2016. PG
12. Nandkishor Dadhania, Sankalp Bhatiya, Ayanesh Joshi and Deepak Sharma, Review of Cabin Tilting Mechanism for Earth Moving Machinery, IJARIIIE Vol. 02, Issue 03, PP: 510-514, ISSN No (O): 2395-4396, 2016. PG
13. Keval Dalwadi, Unnati Joshi and Sankalp Bhatiya, Design of extruder helical gearbox- A review, IJARIIIE Vol. 02, Issue 03, PP: 483-487, ISSN No. (O): 2395-4396, 2016. PG