



Issue 1

2016-2017

July 2016 to Dec 2016



KCG

COLLEGE OF TECHNOLOGY
(A Unit of Hindustan Group of Institutions)



Late Dr. KCG VERGHESE
FOUNDER

University Rank For the Department

UG Ranks Holders

• GOKULAKRISHNAN S CGPA-8.84 Rank-43



• PUJA PRIYADHARSHINI N CGPA-8.83 Rank-44



• KAMESHKUMAR D CGPA-8.78 Rank-49



PG Rank Holders

• PALVE MADHURI RAMBHU CGPA-8.44 Rank-08
(ME -ED)



• BHARATHI D CGPA-8.4 Rank-10
(ME -ED)



• AMAL JOSE CGPA-8.43 Rank-21
(ME -Mfg)



VISION OF THE DEPARTMENT

The department aspires to become a globally recognized centre of excellence by producing competent professionals in Mechanical Engineering to serve as a valuable resource for industry and society.

MISSION OF THE DEPARTMENT

- Impart intellectually rigorous and holistic education to the students in the field of Mechanical Engineering.
- Establish state-of-the-art facilities for research and consultancy work.
- Enhance the knowledge and skills of the faculty with the latest advancements in the mechanical engineering domain.
- Mentor the students to develop research and entrepreneurial capabilities.
- Inculcate a high degree of professionalism and contribute to the needs of industry and society.

DEPARTMENT OF MECHANICAL ENGINEERING

MSPACES - Newsletter

FDP on “Engineering Graphics”(GE 6152)

A three day Faculty Development Programme (FDP) on Engineering Graphics was conducted by the Mechanical Engineering department of KCG College of Technology from 21st July to 23rd July 2016. Twenty faculties participated in this FDP. Six faculties from other colleges and fourteen internal faculties attended the FDP. The participants gained knowledge on efficient delivery techniques of Engineering Graphics course to the student community.

The FDP was organized by Dr. N. Govindaraju, HoD – Manufacturing Engineering department and Mr. N. Pragadish, Associate Professor – Mechanical Engineering department. Dr. G. Prabhakaran, Principal, KCG College of Technology and Dr.S. Ramesh, HoD – Mechanical Engineering department inaugurated the FDP on 21st July 2016. The



Inaugural session By Dr.G.Prabhakaran-Principal



Lecture session By Prof.K.V.Natarajan

programme was conducted for three days, two sessions per day. All the sessions were handled by well experienced faculty members. Three sessions were handled by external resource persons, who are well known for their publications on “Engineering Graphics” books.

*“To Make Every man a Success
and no Man a Failure”
-Dr.KCG Verghese*

MECHAMORPHIS ' 16

The Department of Mechanical Engineering conducted its National Level Technical Symposium MECHAMORPHIS ' 16 on September 2,2016. The Department organized various events like Paper Presentation-Mechanical, Paper Presentation - Multi-Disciplinary, Technical Connexions, Top Gear Quiz, RC Cars, Water Missile, Project Presentation, CAD Modeling, Assembling & Dismantling, Robo Race, Photography and Mechanical Triathlon.

There were about 380 registrations from various engineering colleges from Tamil Nadu and other neighboring states. The Chief Guest for the Inaugural Function was Mr. V Ravichandran, Director, Rasaii Flow Lines Pvt. Ltd, Chennai, was the chief guest for the Inaugural function.

Mr. M Ramjawhar, Asst. Controller of Patents & Deign, Dept. of Industrial Policy & Promotion, Chennai was the Chief guest of the Valedictory function.



Inaugural Session-Mechamorphis'16

Inauguration of Association of Mechanical Engineers

Department of Mechanical Engineering inaugurated its Association of Mechanical Engineers on 18th July 2016. Dr .A.Ragothaman , Manager, Ashok Leyland was the chief guest. The office bearers were nominated in this meeting.

Mr. Afzal Fahd N of Final year Mechanical was nominated as President and Mr.Vikesh Vairavel of final Mechanical was nominated as Vice-president.



Office Bearers with the Chief Guest

Guest lecturers/Seminars/Workshops

- Mr. Rajmohan Palanivelu, Regional Auditor, Toshiba JSW Power Systems Pvt.Ltd. delivered a guest lecture to the students on Industry Safety Management on 19.07.2016
- Dr S. Rajkumar, Vice-President Operations, Rane Brakes Lining Limited, delivered a guest lecture to the students on Quality Management Systems-Requirements on 30.08.2016
- Institute of Industrial Design gave a guest lecturer on a topic of "Reverse Engineering & 3D printing" at Digital Library, KCG College on 09.08.16.
- Mr. Arul Inigo Raja and Mr. B Rajesh Kumar attended Solid Edge Productivity Summit 2016 on 22.07.2016 at Hotel Le Royal Meridian.
- Mr D.Muralikrishnan attended a workshop on Renewable energy and Applications on 19.08.16
- Mr Gobivel K , and Mr Muthukrishnan S attended a workshop on NDT&E on 7-8 July,2016.
- Mr A.Sam Daniel Fenny and Mr.V.Gopal attended a Workshop on Emerging trends on welding



Technology held at VIT Vellore on 20.08.2016.

- Dr. S. Ramesh, Prof & Head, Dept of Mechanical Engg and Mr. K G Maheshwaran, Assoc.Prof attended

a public session on Wind- Solar Hybrid Power Generation at CPCL Resort on 17th Sept 2016.

- Mr.A.Sam Daniel Fenny, attended a one week FDP on Engineering Project Management held at IISc Bangalore on 14—18 Nov,2016.



Lecture by Dr.Rajmohan Palanivelu

Awards & Achievements

- Mr. S Dharmaraj has participate in NCC, CATC-CUM-IGC-TCS at James Engineering College, Nagercoil on 13 July-22 July-16.
- Mr. Aravind N has participated in Model United Nation, Model United Nation/UNSC, SRM University on 19-21, Aug, 2016.
- Mr.Delvin Hester has participated in ICTACT, Youth Presentation on August 24th, 2016.
- Mr.A.Sam Daniel Fenny, received the best Project Presenter award in the Short term
- Course Held on IISc Bangalore on Nov 14-18th 2016.
- Jeshurun Vineeth Roshan of III year mech won III Prize in the poetry completion held at KCG College of Technology
- J Manoj of III Year mech won III Prize in Inter-zonal Aquatic meet held at Anna University.
- Gokul Shri of II Year Mech won 1st place Worst Case Scenario in a Technical

Symposium held at Valliammai Engineering College.

- N.Aravind of III Year Mechanical won III Place in the speech contest on Talk your way to Japan held at ABK-AOTS-DOSOKAI, Chennai Center on 16th Sep 2016.

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Publications

- **Shebin Thomas, Ramesh S, Jeykrishnan Janardhanan** (2016), Parametric optimization of powder mixed electro-discharge machining using taguchi technique, International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN: 2278-621X, Vol 7 issue 3 June 2016, pp 61-66.V. Subburam,
- **S. Ramesh, V.Subburam, P.N.Mohan Kumar, A. Srinivasan** (2016), Electrochemical Micromachining of Inconel 625 Alloy for Performance Study, 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA.



Campus Placement

UG Batch 2014-2017

Tech Mahindra:

- BHAARATH ARJUNAN
- VIVEK MURUGAIYAN
- VASANTHAVELAN CHELLAMUTHU
- AJAY R
- NIKHIL N
- MANOJKUMAR VELUSAMY
- KURUVILLA ABRAHAM



Infosys :

- ADIL MALIK.A
- AKILVISWESH. S.S
- DELVIN HESTER D
- JUSTIN KJOHN
- MADESH.S

- MUTHU PRAKASH .R
- RAHUL R
- RAMJI B .S
- SHANMUGA SOWNDAR.R
- SHYAM.D
- SIDHARTH K
- SRIRAM.M
- SURENDHAR.N



PG Batch 2015-2017

Surya Narayanan-ME-Mfg



Alumni Meet'16

An Alumni Interaction programme was held for 2012-2015 Passed out batch on **12th Nov 2016**. Head of the department Alumni Coordinator and other senior professors had an interaction based on their industrial and higher study experience, and it witnessed active involvement of the alumnus, and a number of commendable suggestions and proposals came up, some of it were set aside for later action. It was decided to strengthen the link between the current students and alumni for their support to current students in the area of training, placement, career counseling and other help.



Engineer's Day'16

On the occasion of 156th Birthday of Bharat Ratna Sri Mokshagundam Visvesvaraya, Engineer's Day was celebrated on 15th September 2016, which was organized by the Department of Mechanical Engineering in association with KCG College of Technology's Institution of Engineers (I) Chapter. Mr.C.U.Hari, Former Director of Aeronautics, Gol Former CAO ADA, Distinguished Professor Dept of Aeronautical Engineering, MIT Chennai was the chief guest.



Paper Presentation Contest

A Paper Presentation Contest was conducted for the third year students of our Department on 21st Sep 2016. Around 28 batches presented their work and around 8 batches were shortlisted for the final presentation, and finally two best team was appreciated by certificates. The best paper was judged and awarded by Mr. P. Sundaravinoth, Asst Professor, HU.



Industrial Interaction

- Dr. S. Ramesh, Prof & Head, Dept of Mechanical Engg and Mr. Jagwant, Assoc.Prof visited Anugraha Valve Castings Limited, Coimbatore on 28th & 29th Sept 2016.
- Faculty of Department of Mechanical Engineering visited the Autotronics laboratory at Hindustan University on 14.11.2016 to gain insight about the facilities and opportunities in the field of automotive electronics.
- Dr. S. Ramesh, Professor & Head attended a Technical Meet on Recent Advancement in Industrial Thermal Technologies during 1-2 August 2016 at Chennai.



Industrial Visit @ Anugraha Valve Castings Limited ,Coimbatore

MoU Signing Ceremony

CDCE Institute of Automation and Robotics and KCG College of Technology have entered in to an MoU on 28th October to explore the development of technologies, improvement capabilities of common interest and research projects initially in the area of software and hardware systems. Dr.Anand Jacob Verghese, Director & CEO signed the MoU on behalf of the Institution.



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CONTACT

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From the Editor's Desk:

Hello,

We the Mechanical Engineers are extremely delighted to put forth this edition of newsletter IMPACT, for the year 2016. This news letter reports various significant activities and achievements of the department, along with other information you would love to know.

The whole section gives the comprehensive coverage of various happenings in the student professor environment, also it enlightens you with the students efforts the projects, achievements and awards in curricular and co curricular.

It is really heart warming to see all the contributions and the Editorial Board appreciates the time and effort that have been devoted by the different contributors.

With Regards
Editorial Team

Editor
Co-Editors

Student Reporters

Editorial Board

- : **Dr.S.Ramesh**, HOD-Mech
- : **Mr.S.Jesudass Thomas**, Associate Prof.
- : **Mr.B.Rajesh Kumar**, Assistant Prof.
- : **Mr.A.Sam Daniel Fenny**, Assistant Prof.
- : **Delvin Hester** , IV Mech
- : **Aditiya S** , IV Mech
- : **Jeshurun Vineeth** , III Mech
- : **Ashvin J** , III Mech
- : **Venkateswar**, II Mech
- : **Ajith Kannan**, II Mech

Programme Educational Objectives

PEO 1	Excel as competent professional or entrepreneur or researcher in related fields of Mechanical Engineering.
PEO 2	Analyze, design/develop innovative solutions for real world engineering problems using appropriate modern tools.
PEO 3	Exhibit professionalism, ethical attitude and adapt to the changes in the industry and society supporting sustainable development.
PEO 4	Lead and manage teams for effective execution of projects.

Highlights of the Department:

- The Department of Mechanical Engineering had its inception in the year 1998 and is permanently affiliated to Anna University.
- We have MoU's with Companies Like Nord Drive Systems, The Eagle view (NABL Accredited and Calibration Laboratory), CDCE Institute of Automation and Robotics.

