



MIND'SPARK

News Letter

Department of Mechanical Engineering

Academic Year 2019 - 20 | Volume 4 Issue 3 | Feb 2020

Editor in Chief

Dr. A Rajasekhar,
Professor &
Head - Dept. of
Mechanical Engineering.

Editorial Board Members

Mr. Srikanth Rangdal,
Asst Professor
Mr. Ali Ahmed,
Asst Professor

Editorial Student Members

Md. Waheedulla Bilal, 160718736039
Md. Abdul Aziz, 160718736094
Rahul Shivansh B, 160717736032
G Rajendra, 160717736067
Choragudi Arun, 160716736013
A.Sweekrith, 160716736329



InFocus: Scientist: Sir M. Visvesvaraya

Sir Mokshagundam Visvesvaraya was born in a Telugu Brahmin family, to Mokshagundam Srinivasa and Venkatalakshamma. hailing from the Mokshagundam village in present Andhra Pradesh. Sir M Vishwesharaya was born in Muddenahalli of Mysore kingdom, (present chikkaballapur district of karnataka State) He took a job as an assistant engineer with the Public Works Department of Bombay, and later was invited to join the Indian Irrigation Commission. He implemented an intricate system of irrigation in the Deccan Plateau, and designed and patented a system of automatic weir water floodgates that were first installed in 1903 at Khadakvasla Reservoir near Pune. These gates raised the storage level in the reservoir to the highest level likely to be attained without causing damage to the dam. Based on the success of these gates, the same system was installed at Tigra Dam in Gwalior and Krishna Raja Sagara (KRS) Dam in Mandya/Mysore, Karnataka. In 1906–1907, the Government of India sent him to Aden to study water supply and drainage systems. The project

prepared by him was implemented in Aden successfully. Visvesvaraya achieved celebrity status when he designed a flood protection system for the city of Hyderabad. He was instrumental in developing a system to protect Visakhapatnam port from sea erosion. This dam created the biggest reservoir in Asia when it was built. Visvesvaraya gave his technical advice for the location of Mokama Bridge over Ganga in Bihar. At the time, he was over 90 years old, and was called the "Father of Modern Mysore State".

During his service with the Government of Mysore state, he was responsible (under the patronage of the Mysore government) for the founding of Mysore Soap Factory, Parasitoid Laboratory, Mysore Iron & Steel Works in Bhadravathi, Sri Jayachamarajendra Polytechnic Bangalore, Bangalore Agricultural University, the State Bank of Mysore, Century Club, Mysore Chamber of Commerce (Federation of Karnataka Chambers of Commerce & Industry), the Apex Chamber of Commerce in Karnataka, University Visvesvaraya College of Engg. (Bangalore) and numerous other industrial places. He was known for his sincerity, time management and dedication to his cause.

Ph.D ENROLMENT

Mr.Kamal Kumar Ojha Faculty from Department of Mechanical Engineering enrolled for Ph.D in Lovely Professional University on 10 June 2019.

WORKSHOPS ORGANISED

The Department of Mechanical organised a one day workshop on "Recent Advances in Welding" in collaboration with the Indian Welding Society on 22-08-2019. Experts from various industries addressed the students about the challenges in the current industries & how to get prepared for the same. Below is the list of faculties who attended the program along with students.

Dr. Md. Fakhruddin H. N	Mrs. I Sowjanya	Mr. Venkata Ratnam Akumarthi
Dr. P. Prabhuraj	Mrs. Gayathri Lahari P	Mr. M. Prasad
Mr. M. Guru Vishnu	Mr. Ali Ahmed	Mr. Srikanth Rangdal
Mr. K Srinivasa Raghavan	Mr. Abdul Fazal	Mr. Y. M. M Reddy

INCENTIVES ACHIEVED:

S. No	Name of Faculty	Date	Remarks
1.	Dr. Md.Fakhruddin H.N	Sept. 2019	Elite Rs. 1000/ -
2.	Mr. M. Guru Vishnu	Oct. 2019	Rs. 2000/ -
3.	Mr. M. Guru Vishnu	Oct. 2019	Rs. 500/ -
4.	M.Prasad	November 2019	Elite Rs. 1000/-
5.	Mohammed Asadullah	November 2019	Silver
6.	Mohammed Asadullah	November 2019	Elite Rs. 1000/-

SWAYAM / NPTEL CERTIFICATIONS

Several faculty members from our institute have successfully completed online courses through the SWAYAM / NPTEL platform. These courses provide an opportunity for faculty members to enhance their knowledge and skills in their respective fields. Here are the details of the courses completed by our faculty members:

Dr. Md. Fakhruddin H.N completed the course on "Refrigeration and air conditioning" with an exam on 29th September 2019. The course was of 8 weeks duration and is equivalent to 2 FDP days.

Mr. M. Guru Vishnu completed the course on "Heat Exchangers: Fundamentals & Design Analysis" with an exam on 16th November 2019. The course was of 12 weeks duration and is equivalent to 1.5 FDP weeks. He also completed the course on "Heat Transfer" with an exam on the same day, which was of 12 weeks duration but did not have any FDP equivalent.

Mr. Md. Asadullah completed the course on "Aircraft Propulsion" with an exam on 17th November 2019. The course was of 12 weeks duration and is equivalent to 1.5 FDP weeks. He also completed the course on "Academic & Research Report Writing" with an exam on 23rd May 2019, which was of 12 weeks duration and is equivalent to 1.5 FDP weeks.

Dr. P. Ravi chander completed the course on "Robotics" with an exam on 16th November 2019. The course was of 8 weeks duration and is equivalent to 1 FDP week.

Mr. M. Prasad completed the course on "Product Design using Value Engineering" with an exam on 29th September 2019. The course was of 4 weeks duration and is equivalent to 3 FDP days.

Dr. Prabhu Raj completed the course on "Fundamentals of Manufacturing Process" with an exam on 16th November 2019. The course was of 12 weeks duration and is equivalent to 1.5 FDP weeks.

Congratulations to all the faculty members who have successfully completed these courses and we encourage others to make use of such platforms to enhance their skills and knowledge.

S. No.	Name of Faculty	Name of Course	Date of Exam	Duration	Equivalent FDP Days
1.	Dr. Md. Fakhruddin H.N	Refrigeration and air conditioning	29th Sep. 2019	8 Weeks	2
2.	Mr. M. Guru Vishnu	Heat Exchangers: Fundamentals & Design Analysis	16/11/2019	12 weeks	1.5 weeks
3.	Mr. M. Guru Vishnu	Heat Transfer	16/11/2019	12 weeks	nil
4.	Mr. Md. Asadullah	Aircraft Propulsion	17/11/2019	12	1.5 weeks
5.	Mr. Md. Asadullah	Academic & Research Report writing	23/05/2019	12 weeks	1.5 weeks
6.	Dr. P.Ravi chander	Robotics	16/11/2019	8 weeks	1 week
7.	Mr. M.Prasad	Product Design using Value Engineering	29 - 09 - 2019	4 weeks	3
8.	Dr. Prabhu Raj	Fundamentals of Manufacturing Process	16/11/2019	12 weeks	1.5 week

FDPS ATTENDED

Three faculty members from our institution recently attended Faculty Development Programs (FDPs) organised by Swayam-NPTEL, a national initiative aimed at improving the quality of engineering education in India.

Mr. M. Guru Vishnu participated in an FDP on Heat Exchangers: Fundamentals & Design Analysis. It took place between July and October 2019 and lasted for 1.5 weeks.

Dr. P. Ravi Chander attended an FDP on Robotics. The program was conducted from July to September 2019 and lasted for 8 weeks.

Mr. M. Prasad participated in an FDP on Product Design using Value Engineering. It was conducted from July to August 2019. The program lasted for 4 weeks.

Our institution is proud to have faculty members who are dedicated to continuously improving their skills and knowledge, and we encourage others to follow in their footsteps and take advantage of opportunities for professional development.

S.	Name of	Name of FDP	Organised By	Date of	Duration
----	---------	-------------	--------------	---------	----------

No.	Faculty			FDP	
1.	Mr. M. Guru Vishnu	Heat Exchangers: Fundamentals & Design Analysis	Swayam - NPTEL	Jul - Oct 2019	1.5 Weeks
2.	Dr. P. Ravi Chander	Robotics	Swayam - NPTEL	Jul - Sep 2019	8 Weeks
3.	M. Prasad	Product design using Value Engineering	Swayam - NPTEL	July - Aug 2019	4 Weeks

INDUSTRIAL VISIT

Faculty from Mechanical dept. Mr. Ali Ahmed has organised NFC Industry visit on 27th September, 2019 for III Year students, 57 Students were taken to NFC Hyderabad.



Photo: Mr. Y M M Reddy, Mr. Matam Prasad Mr. Ali Ahmed & Mr. Prabhakar with the NFC coordinator and our students.

S. No	Name of Faculty	Name of Organization / Company	Class	No. of Participants	Date
1.	Gayathri Lahari P	NFC HYDERABAD	III YEAR	57	27/09/2019
2.	Ali Ahmed	NFC HYDERABAD	III YEAR	57	27/09/2019

Department of Mechanical Engineering

VISION

To be a reputed centre of excellence in the field of Mechanical Engg. by synergizing innovative technologies and research for the progress of society.

MISSION

- M1: To impart quality education by means of state - of - the - art infrastructure.
- M2: To involve in training and activities on leadership qualities and social responsibilities.
- M3: To inculcate the habit of lifelong learning, practise professional ethics and serve the society.

M4: To establish industry - institute interaction for stakeholder development