

MECHANICAL *Beats* OF ROHINI



THE DEPARTMENT NEWSLETTER



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ABOUT THE DEPARTMENT

The Department of Mechanical Engineering started in the year 2012 with an initial intake of 60 students to the B.E Program and increased to an intake of 120 students from 2013 and 180 students from 2014. The Department offers ME - Thermal Engineering Programme from 2015 with an intake of 24 students. The Department is a recognized Research Centre by Anna University Chennai from the year 2019. The department accomplish outcome Based Education which help the students to learn, develop and serve to the society. The Department has experienced and dedicated faculty with a wide range of specialization namely Thermal Engineering, Engineering Design, Manufacturing Engineering, Energy Engineering, CAD/CAM, Industrial Engineering, Mechatronics and Automobile Engineering.

The faculty members have published more than 100 papers in National/International journals/Conference and had written books, filed patterns during the last 3 years and received many awards. The students were motivated by providing lot of opportunities like technical presentation in Symposium, conferences for skill development. The department provide value added knowledge to under graduates and post graduate students. Apart from curriculum students were motivated to participate in sports. The department has well established laboratory facilities to conduct research work on different specialized areas like Material Science, Renewable Energy, Thermal Science. The students of the department have received external research funding from Tamil Nadu State council for science and technology in recent years. The students of the departments have joined in reputed industries through placements and some of them are turned to be an entrepreneur. The department has a good network of alumni.

VISION

To inculcate competence in the field of mechanical engineering for the students by providing quality education and learning opportunities to become ethically strong engineers for the development of society.

MISSION

- ❖ To provide fundamentals and technical skills in Mechanical Engineering through effective teaching-learning methodologies.
- ❖ To provide an ambience for research through collaborations with industry and academia.
- ❖ To inculcate the students' leadership quality through employability skills with ethical values.

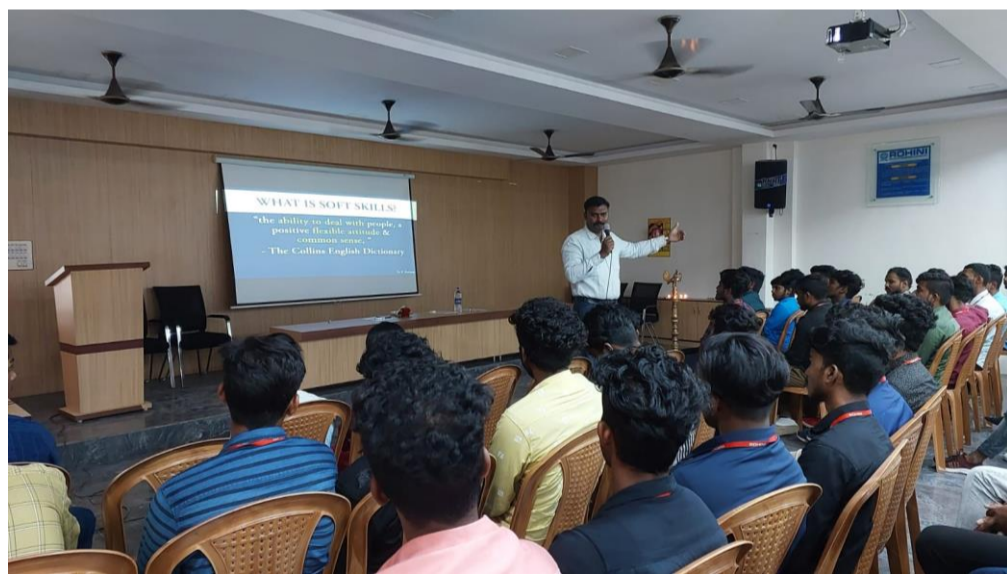


ONE DAY GUEST LECTURE ON “THE SECRETS OF WIN-WIN”

We, the Department of Mechanical Engineering organized a One Day Guest Lecture on “The Secrets of Win-Win” for the Pre-Final Year students of Rohini College of Engineering and Technology, on 27th August 2022. This programme aims to motivate our students to achieve greater goals and succeed in their life.



The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K. Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource person of the programme Dr. K. Kaviarasu, Assistant Professor, Vivekananda College, who has found time to grace the occasion and motivate our students. This Programme was organized by Dr. A. Sagai Francis Britto, ASP/Mech III Year In-charge. This programme was coordinated by Dr. M. Ezhilan, Prof./Mech and Mr. V. Loganathan AP/Mech.



The programme was conducted as two sessions. More than 160 students and 10 faculty members participated in the programme. At the end of the programme, students from each class have given feedback regarding this enlighten talk. The management appreciated the programme committee members for the successive conduct of the programme.

ONE DAY GUEST LECTURE ON “ATTITUDE DETERMINES LIFE”

We, the Department of Mechanical Engineering organized a One Day Guest Lecture on “Attitude Determines Life” for the Pre-Final Year students of Rohini College of Engineering and Technology, on 22nd September 2022. This programme aims to motivate our students to achieve greater goals and succeed in their life.

The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K. Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director



Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource person of the programme Dr. D. Arun Gladwin, Director, Vantage, Nagercoil, who has found time to grace the occasion and motivate our students. This Programme was organized by Dr. A. Sagai Francis Britto, ASP/Mech III Year In-charge. This programme was coordinated by Mr. M. Sergius Joe, AP/Mech and Mr. K. Rajasuthan AP/Mech.



The programme was conducted as two sessions. More than 160 students and 10 faculty members participated in the programme. At the end of the programme, students from each class have given feedback regarding this enlighten talk. The management appreciated the programme committee members for the successive conduct of the programme.

ONE DAY GUEST LECTURE ON “PROFESSIONAL EXCELLENCE”

We, the Department of Mechanical Engineering organized a One Day Guest Lecture on “Professional Excellence” for the Pre-Final Year students of Rohini College of Engineering and Technology, on 7th October 2022. This programme aims to motivate our students to achieve greater goals and succeed in their life.



The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K.

Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource person of the programme Mr. M. Rose Cyril Xavier, Psychologist – HRD Trainer, who has found time to grace the occasion and motivate our students. This Programme was organized by Dr. A. Sagai Francis Britto, ASP/Mech III Year In-charge. This programme was coordinated by Mr. S. T. Arjun, AP/Mech and Mr. M. Sergius Joe AP/Mech.



The programme was conducted as two sessions. More than 160 students and 10 faculty members participated in the programme. At the end of the programme, students from each class have given feedback regarding this enlighten talk. The management appreciated the programme committee members for the successive conduct of the programme.

ONE DAY GUEST LECTURE ON “RAILWAY SECTOR TRENDS AND OPPORTUNITIES”

We, the Department of Mechanical Engineering organized a One Day Guest Lecture on “Railway Sector Trends and Opportunities” for the Pre-Final Year students of Rohini College of Engineering and Technology, on 26th October 2022. This programme aims to make aware of our students about the recent trends and growth of the Indian Railway sector and the numerous amounts of opportunities available in the railway sector.



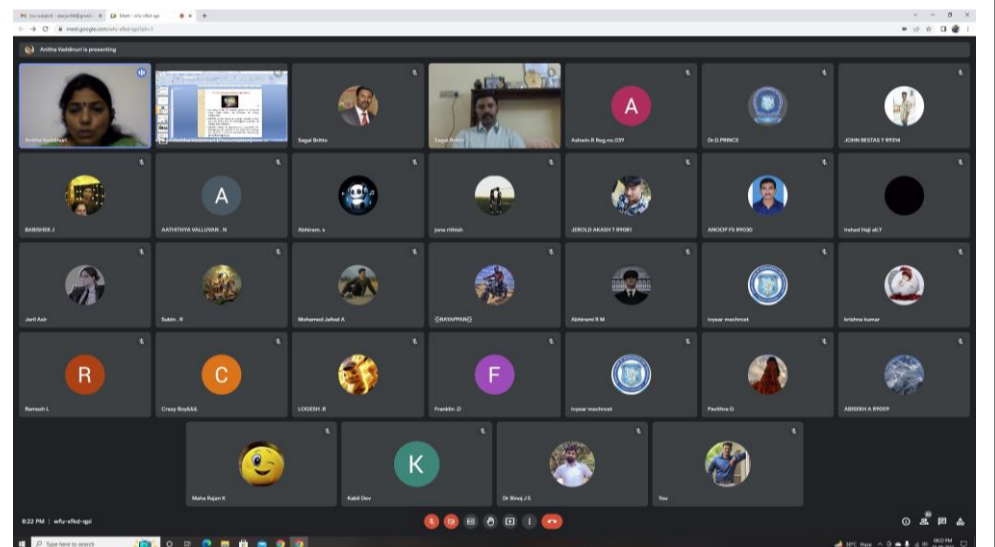
The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K. Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource person of the programme Dr. J. S. Binoj, Research Manager (Rail-Wheel Interaction), Vandhana International Pvt. Ltd. New Delhi, who has found time to grace the occasion and motivate our students. This Programme was organized by Dr. A. Sagai Francis Britto, ASP/Mech III Year In-charge. This programme was coordinated by Mr. M. Sergius Joe, AP/Mech and Mr. K. Rajasuthan AP/Mech.



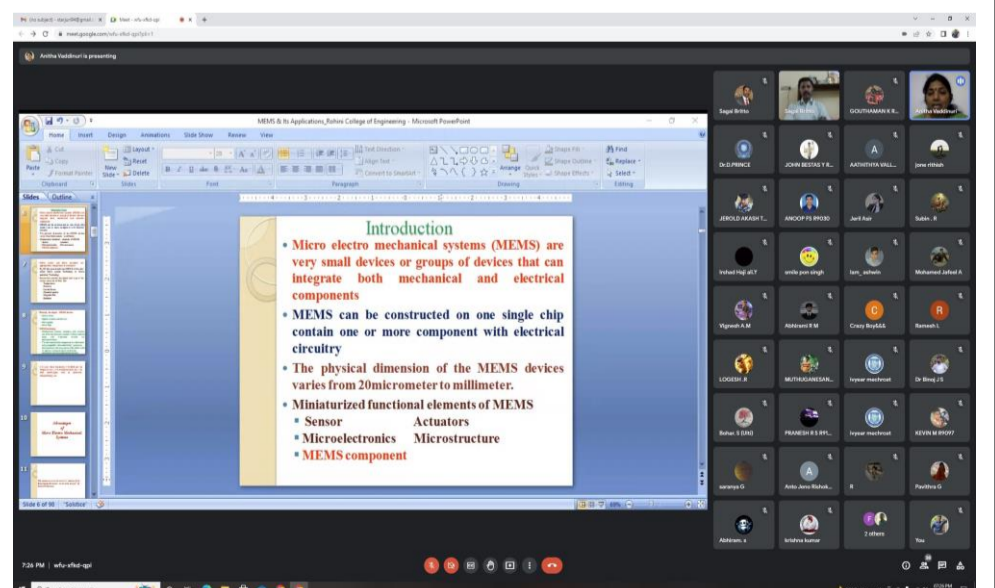
The programme was conducted as two sessions. More than 160 students and 6 faculty members participated in the programme. At the end of the programme, students from each class have given feedback regarding this awareness programme. The management appreciated the programme committee members for the successive conduct of the programme.

WEBINAR ON “MEMS AND ITS APPLICATIONS”

We, the Department of Mechanical Engineering organized a Webinar on “MEMS and its Applications” for the Pre-Final Year students of Rohini College of Engineering and Technology, on 30th September 2022 during 7.30 pm to 8.30 pm. This programme aims to make aware of our students about the MEMS and its applications in the today's industry and why miniature is required in today's world.



The presidential address was given by our respected Principal Dr. R. Rajesh. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource person of the programme. This Programme was organized by Dr. A. Sagai Francis Britto, ASP/Mech III Year In-charge. This programme was coordinated by Mr. S. T. Arjun, AP/Mech and Mr. V. Loganathan, AP/Mech. More than 30 students and 5 faculty members participated in the programme. At the end of the programme, students from each class have given feedback regarding this awareness programme. The management appreciated the programme committee members for the successive conduct of the programme.



ONE DAY GUEST LECTURE ON “RECENT INDUSTRIAL SOFTWARE’S AND PERSONALITY DEVELOPMENT”

We, the Department of Mechanical Engineering organized “Recent Industrial software’s and Personality development” for Final Year Mechanical Engineering students at Rohini College of Engineering & Technology on 30th September 2022. This programme aims to motivate and train the students for getting software exposure.



The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K. Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource persons of the programme Mr. T. George Leo, ESPD Trainer, Mr. T. T. Ajay, Solid Works and CATIA trainer, Miss. Muthukumari, Mock Interview Trainer and Miss. B. Shinimol Raju, Group Discussion Trainer who has found time to grace the occasion and motivate our students. This Programme was organized by Mr. P. Navin Jass, AP/Mech IV Year In-charge. This programme was coordinated by Mr. C. Asokan, AP/Mech, Mr. R. David AP/Mech and Mr. V. Abilesh AP/Mech.



The programme was conducted as four sessions. Around 200 students and 20 faculty members were participated in the workshop. At the end of the programme, students from each class have given feedback regarding the guest lecture and software training. The management appreciated the programme committee members for the successive conduction of this guest lecture and training programme.

TWO DAY WORKSHOP AND HANDS ON TRAINING ON “NON-DESTRUCTIVE TESTING AND APPLICATIONS”

We, the Department of Mechanical Engineering organized “Two days Workshop Hands on Training on Non-Destructive Testing and Applications” for Second Year Mechanical Engineering students at Rohini College of Engineering & Technology on 25th and 26th November 2022. This programme aims to motivate and train the students for getting industrial exposure.



The inaugural ceremony was arranged in the Imperial Hall of Mechanical Engineering Department. Our honorable Chairman Shri. K. Neelamarthandan, pro-chairman Dr. N. Neela Vishnu, Managing Director Dr. V. M. Blessy Geo has inaugurated the programme. Then the presidential address was given by our respected Principal Dr. R. Rajesh. In his presidential address he gave motivation to our students. Our beloved Head of the Department Dr. D. Prince Sahaya Sudherson introduces the resource persons of the programme Mr. Kavinraj Maran, Managing Director, Techie Training & Inspections and Mr. N. Madheswaran, Technical Head, Techie Training & Inspections who has found time to grace the occasion and motivate our students. This Programme was organized by Mr. P. Navin Jass, AP/Mech IV Year In-charge. This programme was coordinated by Mr. M. Rajakumar, AP/Mech and Mr. T. Jeba Singh, AP/Mech.



The programme was conducted as four sessions. Around 200 students and 20 faculty members were participated in the workshop. At the end of the programme, students from each class have given feedback regarding the guest lecture and software training. The management appreciated the programme committee members for the successive conduction of this guest lecture and training programme.



ONE DAY INDUSTRIAL VISIT TO TRAVANCORE TITANIUM PRODUCTS LIMITED

We, the Department of Mechanical Engineering one-day industrial visit to Travancore Titanium products Limited for Mechanical Engineering students at Rohini College of Engineering & Technology on 19th October 2022. This industrial visit aims to provide the students with real world industrial practices and equipment's in the industries.



In this industrial visit the students were given a complete overview lecture about the processes, methods and techniques followed in the industry. Travancore Titanium Products Ltd. was incorporated on 18th of December 1946, to produce pigment grade Titanium dioxide from ilmenite which is abundantly available as placer deposits on beaches near Kollam, 65 Kms north of the capital city, Thiruvananthapuram in the coastal state of Kerala, India.



More than 30 students visited this industry accompanied with three faculty members Dr. Sagai Francis Britto, ASP/Mech, Mrs. K. Krishnaveni, AP/Mech and Mr. S. T. Arjun, AP/Mech. At the end of the industrial visit, students have given feedback regarding the visit.

ONE DAY INDUSTRIAL VISIT TO KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LIMITED

We, the Department of Mechanical Engineering one-day industrial visit to Kerala State Electronics Development Corporation Limited for Mechanical Engineering students at Rohini College of Engineering & Technology on 19th October 2022. This industrial visit aims to provide the students with real world industrial practices and equipment's in the industries.



In this industrial visit the students were given a complete overview lecture about the processes, methods and techniques followed in the industry. Kerala State Electronics Development Corporation Limited's (KSEDC) history is a saga of innovation in electronics. From being a pioneer in 1973, to the role of a trend-setter today, Keltron has been the catalyst for the development of electronics industry in Kerala. Keltron had set up several production centres and engaged more than 5,000 people directly or indirectly for the manufacture of electronic goods & services in strategic sector. More than 30 students visited this industry accompanied with three faculty members Dr. M. Ezhilan, Prof./Mech, Mr. V. Abilesh, AP/Mech and Mr. Sergius Joe, AP/Mech. At the end of the industrial visit, students have given feedback regarding the visit.

ONE DAY INDUSTRIAL VISIT TO PRIYADARSHINI SPACE PLANETARIUM

We, the Department of Mechanical Engineering one-day industrial visit to Priyadarshini Space Planetarium for Mechanical Engineering students at Rohini College of Engineering & Technology on 19th October 2022. This industrial visit aims to provide the students with the facilities we received through space research organization.



A dominant feature of most planetariums is the large dome-shaped projection screen onto which scenes of stars, planets, and other celestial objects can be made to appear and move realistically to simulate their motion. The projection can be created in various ways, such as a star ball, slide projector, video, fulldome projector systems, and lasers. Typical systems can be set to simulate the sky at any point in time, past or present, and often to depict the night sky as it would appear from any point of latitude on Earth. More than 60 students visited this industry accompanied with six faculty members Dr. Sagai Francis Britto, ASP/Mech, Mrs. K. Krishnaveni, AP/Mech, Mr. S. T. Arjun, AP/Mech, Dr. M. Ezhilan, Prof./Mech, Mr. V. Abilesh, AP/Mech and Mr. Sergius Joe, AP/Mech. At the end of the industrial visit, students have given feedback regarding the visit. The management appreciated the faculty members for arranging such industrial visit for the students and the successive completion of the visit.

TWO DAY INDUSTRIAL VISIT TO INDIAN RARE EARTHS LIMITED

We, the Department of Mechanical Engineering two-day industrial visit to Indian Rare Earths Ltd Rare Earths Division, Ernakulum for Mechanical Engineering students at Rohini College of Engineering & Technology on 23rd and 24th September 2022. This industrial visit aims to provide the students with real world industrial practices and equipment's in the industries.



Indian Rare Earths Limited (IREL) was incorporated on August 18, 1950, with its first unit Rare Earths Division (RED), Aluva, in Kerala. It became a full-fledged Government of India Undertaking under the administrative control of Department of Atomic Energy (DAE) in year 1963 and took over companies engaged in mining and separation of beach sand minerals in southern part of the country, by establishing two more Divisions one at Chavara, Kerala and the other at Manavalakurichi (MK), Tamilnadu. IREL commissioned its largest flagship beach sand mining & mineral separation unit Orissa Sands Complex (OSCOM) at Chatrapur, Odisha in 1986. Presently IREL has the capacity of about 6 lakh tons per annum of Ilmenite. More than 30 students visited this industry accompanied with two faculty members.

STUDENT INTERNSHIP DETAILS

S.No	Name	Industry	Date
1	SOMEN TRIPATHY	Indian Rare Earths Limited (IREL)	22-08-2022 to 01-09-2022
2	THANUSH M		
3	SRI VISHNU A		
4	BENISH K		
5	SENTHIL MURUGAN	Kerala Automobiles Limited	15-09-2022 to 17-09-2022
6	NIRANJAN AKASH S		
7	PRABIN JEBA P		
8	RAM KUMAR G		
9	ASWIN C	Kerala Automobiles Limited	12-09-2022 to 14-09-2022
10	SHEWAK L		
11	PRAVIN S		
12	AKASH T		
13	VINO R		
14	RAJAN R M		
15	ARAVINTH A	The Kerala Minerals & Metals Limited	19-09-2022 to 24-09-2022
16	ANISH S		
17	FRANGO R		
18	NITHISH KUMAR C N		
19	TAMU MISHEL M		
20	BESLINLUEI D		
21	JESSO THOMAS	Southern Railways, Ernakulum	22-08-2022 to 27-08-2022
22	JEBASHARON C J		
23	ABHISHEAK A M		
24	JONE RITHISH S		
25	KARTHICK S		
26	KRISHNAKUMAR R S		
27	MADHAVAN S		
28	MANIKANDAN M		
29	JERIL ASIR G		
30	LOGESH R		
31	AATHITHYA VALLUVAN	Southern Railways, Ernakulum	29-08-2022 to 03-09-2022
32	JEYA NITHIN R		
33	AFSAL A		
34	AJITH AJAY		

ONAM CELEBRATION

Onam, a unique festival of Kerala was celebrated by the Mechanical Engineering students of Rohini College of Engineering and Technology on 7th September 2022. The festival is celebrated for 10 days in Kerala. The students of Mechanical Engineering have shared their joy and festivity by celebrating it. The Onam celebration was inaugurated by our respected Principal Dr. R. Rajesh, by lighting the lamp. The students made a beautiful Pookalam in the entrance.



Our beloved Head Dr. D. Prince Sahaya Sudherson welcomed the gathering. He spoke about how the story of Bali Chakravarthy is associated with Onam. Principal, addressing the gathering, wished all the students a Happy Onam. He said that the festival like Onam unites everyone and develops fraternity. Student dressed as Maveli was centre of attraction. After the inauguration the students distributed sweets to the students and staff members. The function was concluded with a grand celebration.

STUDENT INTERNSHIP DETAILS

S.No	Name	Industry	Date
35	AKHIL PRATHAP R P	Southern Railways, Ernakulum	29-08-2022 to 03-09-2022
36	MAHESWARAN R		
37	MAHESH M		
38	MAHARAJAN K		
39	VIJAYAN K	Travancore Titanium Products Limited	03-10-2022 to 08-10-2022
40	JERIN R		
41	ABINESH A		
42	VISHNU I		
43	JOSEPH VINO J		
44	AKASH P		
45	BOHAR S	Travancore Titanium Products Limited	10-10-2022 to 15-10-2022
46	JEGATHEEESH S		
47	SABARISH T		
48	VASANTH K		
49	ABILDON B		
50	MUTHU KRISHNAN M		
51	VIGNESH A	Golden Rock Railway Workshop, Tiruchirappalli	31-10-2022 to 05-11-2022
52	PRAKASH P		
53	ASWIN C		
54	MANIKANDAN N		
55	PRAVIN KUMAR R		
56	VINO JEFIRIN A		
57	NITHISH KUMAR C N		
58	VISHNU I		
59	MESHEK Y		
60	PRAVIN S		
61	SOMEN TRIPATHY		
62	RAMESH L		