

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

Survey No.32, HimayathSagar, RR Dist, Hyderabad 500008



DEPARTMENT OF
Mechanical Engineering



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Editors

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MECHANICAL SEMESTER NEWS LETTER

Technical Article

Researchers tune material's color and thermal properties separately

Polymers could be designed to reflect or trap heat, regardless of hue.

Jennifer Chu | MIT News Office
April 2, 2019

The color of a material can often tell you something about how it handles heat. Think of wearing a black shirt on a sweltering summer's day — the darker the pigment, the warmer you're likely to feel. Likewise, the more transparent a glass window, the more heat it can let through. A material's responses to visible and infrared radiation are often naturally linked.

Now MIT engineers have made samples of strong, tissue-like polymer material, the color and heat properties of which they can tailor independently of the other. For instance, they have fabricated samples of very thin black film designed to reflect heat and stay cool. They've also made films exhibiting a rainbow of other colors, each made to reflect or absorb infrared radiation regardless of the way they respond to visible light.

The researchers can specifically tune the color and heat properties of this new material to fit the requirements for a host of wide-ranging applications, including colorful, heat-reflecting building facades, windows, and roofs; light-absorbing, heat-dissipating covers for solar panels; and lightweight fabric for clothing, outerwear, tents, and backpacks — all designed to either trap or reflect heat, depending on the environments in which they would be used.

"With this material, everything could look more colorful, because then you wouldn't be concerned with what color does to the thermal balance of, say, a building, or a window, or your clothing," says Svetlana Boriskina, a research scientist in MIT's Department of Mechanical Engineering.

Polymer conductors

For this work, Boriskina was inspired by the vibrant colors in stained-glass windows, which for centuries have been made by adding particles of metals and other natural pigments to glass. "However, despite providing excellent visual transparency, glass has many limitations as a material," Boriskina notes. "It is bulky, inflexible, fragile, does not spread heat well, and is obviously not suitable for wearable applications." She says that while it's relatively simple to tailor the color of glass, the material's response to heat is difficult to tune.

For the past several years, Chen's lab has been looking into ways to manipulate flexible, lightweight polymer materials to conduct, rather than insulate, heat, mostly for applications in electronics. In previous work, the researchers found that by carefully stretching polymers like polyethylene, they could change the material's internal structure in a way that also changed its heat-conducting properties.

Boriskina thought this technique might be useful not just for fabricating polymer-based electronics, but also in architecture and apparel. She adapted this polymer-fabrication technique, adding a twist of color. "It's very hard to develop a new material with all these different properties in it," she says. "Usually if you tune one property, the other gets destroyed. Here, we started with one property that was discovered in this group, and then we added a new property creatively. All together it works as a multifunctional material."

This research was supported, in part, by the Combat Capabilities Development Command Soldier Center.



The visual and thermal properties of polyethylene can be tweaked to produce colorful films with a wide range of heat-radiating capabilities. Image: Felice Frankel

Program Educational Objectives (PEOs)

The educational objectives of the Mechanical Engineering program are designed to produce competent engineers who are ready to contribute effectively to the advancement of Mechanical Engineering causes and to accommodate the needs of the profession. The Mechanical Engineering department is dedicated to graduating Mechanical Engineers who

PEO 1: Shall apply fundamental and advanced knowledge and skills in basic and engineering sciences and in Mechanical Engineering, to find suitable solutions to technological challenges and problems in various areas of engineering and real-life areas using modern tools.

PEO 2: Shall practice Mechanical Engineering in a responsible, professional, and dedicated manner by functioning effectively either as an individual or as a member of multi – disciplinary teams, for the benefit of the industry and society at large without detriment to environment and sustainable development.

PEO 3: Shall acquire good job opportunities in industries or pursue higher studies.

PEO 4: Shall develop the ability to engage in lifelong learning, research and develop in a responsible, professional, dedicated and ethical manner for the benefit of the industry and society at large.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Industrial Visit to KTPS

Department of Mechanical Engineering students of **Lords Institute of Engineering and Technology** (Total-44) along with 4 faculties, have visited **Kothagudem Thermal Power Station** is located at **Paloncha in Telangana** on **6th February 2019**.

Kothagudem Thermal Power Station has an installed capacity of 1,720 MW with 11 units in operation (1 x 60MW (A station 3rd unit) unit under permanent shut down). It is one of the coal based power plants of Telangana Power Generation Corporation Limited (TSGENCO). Students have absorbed the following things in KTPS.



In front of KTPS entrance gate

The following areas were visited in KTPS: Steam boilers, Selection of boiler, Coal and ash circuit, Air and gas circuit, Feed water and steam flow circuit, Cooling water circuit, Central station, Fuel handling, Coal handling, Ash handling, Dust collection, Chimney Draught.



Group photo outside KTPS



In front of cooling tower

Industrial Visit to NSHES

As part of our academic activity, we have planned to have an Industrial visit to NSHES (Nagarjuna Sagar Dam). Department of Mechanical Engineering **students (Total-99) along with 8 faculties of Lords Institute of Engineering and Technology** have visited Nagarjuna Sagar dam on **23rd Feb 2019** which is located at Nalgonda in Telangana.

ABOUT NAGARJUNA SAGAR DAM (NSHES): It is one of the world's largest and tallest dams built across the Krishna river at Nagarjuna Sagar which is in Nalgonda District, Telangana State, India. Constructed between 1955 and 1967, the dam created a water reservoir with gross storage capacity of 11.472 billion cubic meters (405.1×10^9 cu ft). The dam is 590 feet (180 m) tall from its deepest foundation and 0.99 miles (1.6 km) long with 26 flood gates which are 42 feet (13 m) wide and 45 feet (14 m) tall.



Group Photos at NSHES (Nagarjuna Sagar)

Nagarjuna Sagar was the earliest in a series of large infrastructure projects termed as "modern temples" initiated for achieving the Green Revolution in India. It is also one of the earliest multi-purpose irrigation and hydro-electric projects in India. The dam provides irrigation water to the Nalgonda, Suryapet, Krishna, Khammam, West Godavari, Guntur and Prakasam districts along with hydro electricity generation. Nagarjuna Sagar dam is designed and constructed to use all the water impounded in its reservoir of 312 TMC gross storage capacity which is the second biggest water reservoir in India

This Plant has a Power generation capacity of 815.6 MW with 8 units. First Unit was commissioned on seventh march 1978. Eighth unit on 24 December 1985.

On arrival to Dam, we visited Left canal power House of Nagarjuna Sagar Dam and observed the following: Name of Powerhouse, Name of Powerhouse Alias, State, Basin, Hydroelectric, Basin, Seismic Zone, Hydroelectric Development Type, Structure Type, Position of Powerhouse, Type, Status of Powerhouse, Completion Year, Pumped Storage, Operating & Maintenance Agency, Net Maximum/Minimum Head (m), MDDL for Powerhouse (m), Annual Design Energy (MU), Firm Power (MW) etc.,

FDP on Autodesk Revit Architecture

A 5 Days FDP organised in LIET on “Autodesk Revit Architecture” Conducted by ICT resource person **Mrs. Kotha Kalyani** from 7th to 11th Jan 2019.



Autodesk Revit is building information modeling software for architects, landscape architects, structural engineers, MEP engineers, designers and contractors. The original software was developed by Charles River Software, founded in 1997, renamed Revit Technology Corporation in 2000, and acquired by Autodesk in 2002. The software allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database. Revit is 4D BIM capable with tools to plan and track various stages in the building's lifecycle, from concept to construction and later maintenance and/or demolition.

The Revit work environment allows users to manipulate whole buildings or assemblies (in the project environment) or individual 3D shapes (in the family editor environment). Modelling tools can be used with pre-made solid objects or imported geometric models. However, Revit is not a NURBS modeller and also lacks the ability to manipulate an object's individual polygons except on some specific object types such as roofs, slabs and terrain or in the massing environment.

There are many categories of objects ('families' in Revit terminology), which divide into three groups:

- System Families, such as walls, floors, roofs and ceilings which are built inside a project
- Loadable Families / Components, which are built with primitives (extrusions, sweeps, etc.) separately from the project and loaded into a project for use
- In-Place Families, which are built in-situation within a project with the same toolset as loadable components

Mechanical, electrical and plumbing (MEP) refers to these aspects of building design and construction. In commercial buildings these aspects are often designed by an engineering firm specializing in MEP. MEP design is important for design decision-making, accurate documentation, performance and cost-estimation, construction planning, managing and operating the resulting facility.

As with other aspect of buildings, MEP drafting, design and documentation were traditionally done manually. Computer-aided design had some advantages over this, in some instances including 3D modeling. Building information modeling provides holistic design and parametric change management of the MEP design.

Although there is a learning curve when a MEP integration tool is first introduced, engineering design teams can work much more effectively once they have become familiarized with it. One of the main advantages of MEP integration is eliminating many repetitive and time-consuming tasks that characterize the conventional engineering design process.

Managing design changes: The conventional design approach is very repetitive. Structural, mechanical, electrical and plumbing systems are designed based on architectural plans, but this also means that architectural changes force every design team to adjust their blueprints and specifications. MEP integration software can immediately identify all design conflicts each time there is a change, allowing a targeted approach. Perhaps even more importantly, MEP software detects conflicts before construction, where fixing them is much more expensive - editing a project model is far simpler and cheaper than modifying an actual building or one of its systems.

Managing file versions: Any design engineer who started working before MEP modelling software was available can tell how difficult it is to manage file versions, especially when multiple teams are involved. Modern MEP modelling software allows the whole project staff to work on the same model, where changes in one building system are immediately visible for all other design teams, and conflicts are signalled right away.

A Seminar On “e-Learning”

A seminar on “e-learning” was conducted for the students of 2nd & 3rd year B.Tech Mechanical Engineering by **Mr. Laxmi Nararayana, EDS Technology** on **22nd Feb 2019** from 11:30a.m to 1:30 p.m in Lords Institute of Engineering and Technology.

About EDS -Technology

EDS Technologies Pvt. Ltd. (EDST) is the largest CAD/CAM/CAE/PLM/ERP and Real Time Visual Simulation solution provider in India. With over two decades of experience in various industries, EDS Technologies established in 1995 is headquartered in Bengaluru. The company operates with its direct presence in India (Chennai, Coimbatore, Gurugram, Hyderabad, Pune, Mumbai, Kolkata, Noida, Ahmedabad, Nagpur and Chandigarh). EDST has the largest customer base in the Indian market in PLM, ERP and Visual Simulation business and have successfully partnered with more than 1500 customers in various industry verticals. EDS Technologies has established the privileged position in the market and partnered with many global key players like Dassault Systemes, SAP, Presagis, VT-MAK and provides PLM solutions, COTS Visual Simulation solutions, PLM Trainings and Trained on-site resources bringing in the most complete solutions for any size and type of company.



Students Listening to Seminar

About seminar

EDST has launched e-Learning applications as part of their efforts to ensure their service offerings are easily made accessible. The e-Learning applications are intended to meet the learning needs of Engineering Students and professionals to keep abreast of the latest technologies with a blend of software applications. There are hundreds of courses, case studies, practical examples, webcasts, and online skill assessments which are curated by their experienced domain experts with industry know-how and are based on current trends. Engineering Education in India and the gap in Academia-Industry expectation is a frequently debated topic. Teaching and learning now occurs on a multi-dimensional level; it transcends traditional teaching by leveraging online platforms. Exposing students to e-Learning in industry relevant courses helps to close the gap and also provides the faculty with the current industry best practices.

Achievements

“Hearty Congratulations from Management, Principal and Staff to Mechanical Engineering students Mr. Mohd Zuber Ali, Mr. Musa Ghorri, Mr. Muqtader Ahmed and Naqi Ali who Participated & secured 1st place with cash prize in Assembly Disassembly ,CAD Conclave event of CONNAISSANCE 2K19 held at JNTU Hyderabad from 13 & 14 March 2019.”

Student’s reaction after completing competition



“Hearty Congratulations from Management, Principal and Staff to Mechanical Engineering students Mr. Mohd Zuber Ali, Mr. Musa Ghorri who Participated & Won (with cash prize) in (CAD contest, Technical Quiz) event in Udhbhav’19, A National level Techno-Cultural Fest held at VJIT Hyderabad from 1 & 2 April 2019.”



“Hearty Congratulations from Management, Principal, Staff & students to Mechanical students - Team Ravens participating in National Electric Kart Championship Season 2 2K19 by CREDIBLE FUTURE INDIA from 26th to 29th March 2019, Rajiv Gandhi Technical Institute, Airport Road, Bhopal, Madhya Pradesh”



“Hearty Congratulations from Management, Principal, Staff & students to Mechanical students - TEAM QUADRIANS for participating in Quad Bike Design Challenge Season 4 by FMAE from 14th to 18th March 2019, Kesaragutta, Divya Retreat Ltd. Hyderabad”



National Electric Kart Championship

The **Team RAVENS LIET** has represented **Lords Institute of Engineering and Technology; Hyderabad** under the esteemed guidance and supervision by **Dr. Syed Azam Pasha Quadri, HOD, Mechanical Engineering Dept.** while participated in a **4-day national level championship** from **26rd to 29th March** Called **National Electric Kart Championship (N.E.K.C) Season 2** by **Credible Future India** in **Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal, Madhya Pradesh**. Its motto was to encourage the use of clean energy i.e. electric energy, as its tag line says **“give green a go”**.

RAVENS LIET team in N.E.K.C Bhopal

The team had 18 members in the pit including all the group leaders and members which include both seniors as well as juniors. There were 5 group leaders and 2 drivers; Designing and analysis head: **Mirza Omer Muqther Baig**; Fabrication Head: **Abdul Madani**; Wheels and tires department: **Mohammed Ibrahim**; Braking System Head: **Mohd Ishaq**; Steering Head: **Adnan**; and the Drivers: **Mirza Sarfaraz Uddin Baig, Manzoor Mohammed**.

FACULTY ADVISOR:

Designing Supervisor: **Mr. Mohammed Abdul Junaid**
Technical Supervisor: **Mr. Mohd Yousuf Ahmed,**



They built Go Kart from scratch at minimum budget, everything is handmade, the Kart has a couple of innovations like the steering and seat of the go-kart are adjustable for the driver's comfort which is really important as he's the one who's making the team win if driver isn't comfortable he can't perform well eventually. Talking about the looks this was the heaviest and mightiest Go Kart in this championship weighing 208 Kgs and one of the most attractive karts. Any person passing by the pit noticed and appreciated the work and the design of the go kart. The visor, bumpers, body kits were handmade and were made into the same shape as in the design. As of the weight our karts majority of the weight was due the batteries which were 80 kgs in total. With batteries, the main concern was to reduce the weight as much as possible, for which they have used light weight tubes for body kits and roll over protection.

Kart contains 2kw BLDC motor powered by 48V 65 Ah sealed lead acid batteries, which would last up to 2hours 45 minutes on full throttle. As of the race it could last almost 3 hours if there's no continuous discharge. They believe this was one of the best battery backups in the championship.

The 4-day championship started with Day 0 which was all about registration, assembly of karts, Presentation of business plan and cost report. They were relaxing on day 0 as they brought there kart fully assembled and there was no extra work to do in the kart. While the technical inspection the judges were astonished to see a kart so big, so mighty yet following dimensions of rulebook. They appreciated there work and liked there unique design. Kart weighed around 200kgs which was the heaviest of them all. They

cleared TI in given time. On day 1 they had acceleration and brake test, they exceeded them both. Kart covered 100mts in just 12 seconds. There were only 3 karts could go this fast and Team Ravens being huge and heavy managed to reach that speed.



Go Kart Images in Lords Institute of Engineering and

On the day 2 they had 3 different tests and a drag race. They managed to complete the skid pad test and autocross test. Regarding the drag race they won the race against a north Indian team. On the last day i.e. day 3 there was an endurance race where all the karts have to complete laps continuously for 60 minutes.

They stayed in that race for 40-45 minutes but as there were close to the end of the race they had some breakdown. They could have managed to run our kart but it would be a great risk for the driver so they aborted the race as their team mate was more important.

Overall, their experience was great, the lessons they have learnt were helpful, and most importantly they realised.

During all this stuff going around they were interviewed and featured in some newspapers like Navduniya Live, news channels like DoorDarshan Madhya Pradesh and a social media blog @officialpeopleofbhopal.

They had two sponsors **Kenezo India** and **Faraz Stone Polishing Industries**. They appreciate and thank them for believing in them and investing on us.



Quad Bike Design Challenge National Championship

The **Team Quadrians LIET** has represented **Lords Institute of Engineering and Technology, Hyderabad** under the esteemed guidance and supervision by **Dr. Syed Azam Pasha Quadri, HOD, Mechanical Engineering Dept.** while participating in a **4-day national level championship** from **14th to 18th March 2019** Called **QBDC Season 4** by **FMAE, Area 56 motorsport, Keesara Gutta, Hyderabad.**

Fraternity of Mechanical and Automotive engineer (FMAE), The Organizer of Quad Bike Design Challenge (QBDC) is the subsidiary of Adrobe Technology Solutions LLP who's Initiative to enlighten each and every student with healthy Knowledge of motor sports vehicle manufacturing and fabrication through their design challenge and FMAE Academy. QBDC is a national level student off-road ATV Bike Design Challenge Conduct by (FMAE). QBDC is design challenge where all the participating team should have Knowledge and Exposure of Designing and fabricating and ATV.



Quadrians LIET team in QBDC, Keesara Gutta

TEAM STRUCTURE:

Team Captain: **Mohammed Jaleel Uddin**, Team Manager: **Shaik Abdul Meraj**, Design Head: **Syed Ali Daniyal Mehdi**, Technical Head: **Mohammed Adnan Ismail**, Chassis Head: **Syed Ghouse**, Steering Head: **Syed Fazal**, Members: **Mohammed Mujtaba Ahmed, Mohammed Ramees Mohiuddin**, Braking Head: **Mohammed Rizwan**, Members: **Shaik Mohammed Basit, Mohammed Zia, Mohammed Mubashir**, Suspension Head: **Mohammed Kaleem Khan**, Members: **Mohammed Rahmath Ali, Aamir Hussain, Ahmad Azad, Zeyaul Hoda**

FACULTY ADVISOR:

Technical Supervisor: **Mr. Mohd Yousuf Ahmed**, Designing Supervisor: **Mr. Mohammed Abdul Junaid**

Team Quadrians is the Official Quad Bike team of LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY, Hyderabad. Which Consist of 25 Passionate Engineers Who are Dedicated and Enthusiastic Towards their Field. Their main aim was to Design, Manufacture, and Fabricate an All-Terrain vehicle (ATV) and Participate in National Level Competition like QBDC and Quad Torc.

“It was a 4 day Event in which at Day 0 we have Reach the Venue by Registering our team with the Vehicle and allocation of Pit and we started for preparing our quad for the Pre Technical Inspection which was a good Support by Organizers to Recognize the quad standards according to their Rulebook and simultaneously we were Preparing for Design and CAE Evaluation, Cost Presentation, and Business Plan Presentation.”

“On Day 1 we have done the required Changes of the Vehicle and Got the Quad Ready for Technical inspection, and we have cleared the Technical inspection with a good Score and we started Preparing for our brake Test”

“On Day 2 we have Lined Up for the Brake Test We have Accelerated Our Quad to the Speed of 36kmph in Just 5 sec and has stop the Quad within the given Distance and cleared Brake Test as well as Acceleration test. After that we have gone for the Design Evaluation and Sales Presentation in which our Team gave a good impact on the Organizers, the Organizing team appreciated our work but at the end of the Day our Vehicle was Break down.”

“On Day 3 we have gone for Cost Evaluation and try to solve the Problem but it was highly Impossible Due to Safety of Rider the organizers not let him Ride the Quad But it was good Experience which Enlighten our knowledge in off Roding Field from this we conclude that Team works makes the Dream Work. It was a good Experience to Design, Analyze an all-Terrain Vehicle and to take part in Championship which is an Excellent Platform to test our Skills and to maximize and Kick starts our Career in Automobile.”

“They were 22 vehicles from different states all over India In which Team Quadrians Stood Overall 10 Position in the event By Clearing the Technical Inspection (TI), Braking Test, Acceleration Test, Our Quad was encouraged and Plaudit for the Best Design for Safety and Ergonomics.”



Annual Day INSIGNIA 2019

Annual Day 2019 was celebrated on **18th April 2019** in Lords Institute of Engineering And Technology in the presence of **honorable Principal, Secretary, Vice Chairman and Chairman**. Most of the students had actively participated in various events like **singing, dancing, mimicry, mushairah** etc., and got **cash prizes and awards** for the best roles in curricular, co-curricular and extra-curricular activities in the academic year 2018-19.



Graduation Day 2019

Graduation Day 2019 was celebrated on **27th April 2019** in Lords Institute of Engineering And Technology in the presence of **honorable Principal, Vice-Principal, Director, Secretary, Vice Chairman, Chairman and Chief guest Dr. V Kamakshi Prasad (Director of Evaluation, JNTUH)**. Students got **cash prizes and awards** and staff got **gifts** for the best roles in curricular, co-curricular and extra-curricular activities in the academic year 2018-19.



Placements 2018-19

2018-19 BATCH BTECH- students Placement Detail- Mech

S NO	ROLL NO	NAME	INTERVIEW DATE	COMPNEY NAME	DESIGNATION	PACKAGE
1	15M21A03M5	MIR MURTAZA ALI KHAN	03/05/2018	BYJUS	INTERN(BUSINESS DEVELOPMENT)	10 LPA
2	14M21A03C3	SYED AHSAN SAJID	03/05/2018	BYJUS	INTERN(BUSINESS DEVELOPMENT)	10 LPA
3	15M21A0324	AMER SHAREEF	27/08/2018	ALIENS CONSTRUCTION	PROCUREMENT ENGINEER	1.8 LPA
4	15M21A0324	AMER SHAREEF	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
5	15M21A0325	MOHAMMED ADNAN ISMAIL	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
6	15M21A0348	MOHD MUJTABA AHMED	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
7	15M21A0353	SHAIK ABDUL MERAJ	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
8	15M21A0357	SYED ALI DANNIYAL MEHDI	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
9	15M21A03G1	MIRZA SARFARAZUDDIN BAIG	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
10	15M21A03G6	MANZOOR MOHAMMED	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
11	15M21A03H6	MOHD ISHAQ	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
12	15M21A03J0	SYED IRFAN	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
13	15M21A03N1	MOHAMMED FAKEEHUR REHMAN	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
14	15M21A03N5	ISRAR AHMED	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
15	15M21A03M5	MIR MURTAZA ALI KHAN	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
16	16M21A0306	AYUB AHMED	29/08/2018	KARVY	BPO REPRESENTATIVE	12K/M
17	15M21A0336	MOHAMMED AZHARUDDIN	01-04-19	RAAM GROUP	TECHANICAL TRAINEE	2.4LPA
18	15M21A0347	MOHAMMED ZIA UDDIN	01-04-19	RAAM GROUP	TECHANICAL TRAINEE	2.4LPA
19	15M21A0353	SHAIK ABDUL MERAJ	01-04-19	RAAM GROUP	TECHANICAL TRAINEE	2.4LPA

20	15M21A03C8	SYED FAYAQ HUSSANI	01-04-19	RAAM GROUP	TECHANICA L TRAINEE	2.4LPA
21	15M21A03I6	SHAIK RAZI AHMED	01-04-19	RAAM GROUP	TECHANICA L TRAINEE	2.4LPA
22	15M21A03K1	VAIBHAV KUMAR	01-04-19	RAAM GROUP	TECHANICA L TRAINEE	2.4LPA
23	16M25A0327	THATI NARENDAR	01-04-19	RAAM GROUP	TECHANICA L TRAINEE	2.4LPA
24	15M21A03N5	MOHAMMED ISRAR AHMED	01-04-19	RAAM GROUP	TECHANICA L TRAINEE	2.4LPA