|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| downloadGOVERNMENT POLYTECHNIC MUMBAIELECTRONICS DEPARTMENT“ELECTROBUZZ” | | | | |
|  | | | **11/01/2020** Volume 1, Issue 1 | |
| Contents  New Trends In Embedded System  Fire & Industrial Safety  Personality Development & Interview Techniques  NASA Astronaut & Team  Swachh Bharat Mission  Parents’ Meeting  Placements  Of Special Interest  About Electronics Engineering Department  Vision  Mission  Principal’s Desk  HOD’s Desk  Editor’s Note |  | | | |
| Principal’s Desk | | | |
| IMG_256  *It gives me great pleasure to give my best wishes to----------, a newsletter from Department of Electronics Engineering of G. P. Mumbai.*  *The students and faculties of department are always proactive in taking initiatives in technical, cultural and social*  *events. I hope that this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best.* |  | | *“There’s nothing wrong with staying small. You can do big things with a small team.” - Jason Fried Wishing you all the best.*  *Prof. Swati Deshpande*  *Principal, G. P. Mumbai* |
| From the Desk of HOD | | | |
| *Its immense pleasure to present this annual newsletter “ “ of my department Electronics Engineering Department is the dynamic young and experienced faculty. Department is actively involved in academics as well as laboratory work of Electronics Engineering and multi-disciplinary streams. The faculty members are publishing technical papers in national and internal journals and conferences. Also they are involved in consultancy activities.* | *The department is fortunate to have dedicated lecturers, committed supporting staff and devoted students.*  *Specially I congratulate my students to participate in various co-curricular and extra curricular activities.*  *My best wishes to all their bright career and successful future.* | | *Smt. V. J. Gadge*  *Head of Electronics Engg Dept*  *Government Polytechnic, Mumbai* |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| VISION “Develop Competent Technician And Practicing Engineers In The Field Of Electronics Engineering” | MISSION | | |
| *Deploying quality infrastructure and laboratory equipment.*  *Promote innovations in curriculum, teaching learning and staff trainings.*  *Offering CEP and Community Program.*  *Promoting Industry culture in work, Industry Liaoning and Enhancing*  *Employability.*  *Embracing changes and encouraging innovations in electronics.* |  |  |
| About Electronics Engineering Department | | |
|  | *The Department of Electronics Engineering lays emphasis on Teaching, Laboratory and co-curricular activities in diversified areas there by, molding the students to be Analytical Thinkers, Skilled technicians and Ethical Leaders.*  *The Department of electronics Engineering was started in the year 1988 has highly qualified faculty with good blend of experience from Academics. The department has well equipped laboratories.*  *Department arranges many expert lectures, industrial visits, industrial trainings, workshops, FDPs and CEPs. IMG20200130122725Enhances Industry - Institute Interactions by signing MoU’s.* |  |
| Editor’s Note | | |
| *My heartily welcome to the first issue of our Department Newsletter and also First newsletter at G. P. Mumbai. I am indeed very happy and proud in bringing this newsletter about the latest developments and programs in the department. Newsletter acts as a communication channel among the alumni, faculty, students, parents and experts in electronics Engineering. I feel honored for the faith reposed in me for performing the role of editor of Department Newsletter.*  *We are very much grateful to the Principal, Head of the department for their continuous encouragement and inspiration. also thankful to faculties, staff members and students for their support extended for the release of this “NEWS LETTER”. I hope everyone will find this newsletter exciting and interesting. Please feel free to drop in your comments/ suggestions to [newsletter.ec@gmail.com](mailto:newsletter.ec@gmail.com)* |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| New Trends in Embedded System | | | embedded systems, and advanced Bluetooth and Wi-Fi modules that consume less power at the hardware layer.  **Deep Learning Applications**  Deep learning has a range of applications from image processing to audio analysis. Deep learning and artificial intelligence concepts will soon emerge as a trend in embedded systems.  IMG-20190125-WA0001 |
| The Department of Electronics Engineering organised a Expert Lecture on the topic “New Trends In Embedded System” for the Third Year Students.  An embedded system is an application-specific system designed with a combination of hardware and software to meet real-time constraints. The key characteristics of embedded industrial systems include speed, security, size, and power.  Students were well known about Embedded Systems but Sir introduced them the current conditions & upcoming Applications in Embedded Systems.  Few of the Trends discussed were:-  **Improved Security for Embedded Devices**  With the rise of the Internet of Things (IoT), advanced technologies for embedded security are emerged as key generators for identifying devices in an IoT network, and as microcontroller security solutions that isolate security operations from normal operations.  **Cloud Connectivity and Mesh Networking**  Cloud connectivity tools will be an important future market for embedded systems. These tools are designed to simplify the process of connecting embedded systems with cloud-based services by reducing the underlying hardware complexities.  **Reduced Energy Consumption**  Several solutions are under development for monitoring and reducing the energy consumption of embedded devices. These include energy monitors and visualizations that can help developers fine-tune their |  |  |
| Fire & Industrial Safety | | |
| Certain Safety measures are necessary to pursue before working in an industry. Thus, a Fire & Industrial Safety Seminar was organized by … to teach students all the necessary aspects of safety and measures to undertake if caught up in a tragedy while working in an industry.  The proper use of Fire Extinguisher was shown step by step and its working was also explained.  Different measures to be undertaken to extinguish fire in the absence of an extinguisher were also explained.  Different policies implemented by the industries for the protection of its workers & the environment, availability of medical aids during accidents etc. were introduced to the students.  The seminar thus stressed upon how important & necessary are the safety measures to be implemented strictly in an Industry. |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| “120 students of Third Year trained in 15 different companies” | Personality Development & Interview Techniques | | |
| Personality plays a major aspect during an interview. To enlighten students & offer them insights about cracking an interview, Mr. conducted a seminar.  It was an Interactive session which involved students performing simple tasks which conveyed a message that every person is unique.  Many etiquettes & preliminary measures were explained & suggested to be undertaken in order to swiftly pass through an interview.  Major aspects such as positive perspective, politeness, determination, even tempered & good enough confidence were stressed and were strongly recommended to be possessed in order to get over an interview.  IMG-20190125-WA0003 |  |  |
| NASA Astronaut & Team | | |
| IMG-20190111-WA0001  A special event about the journey of a Astronaut in NASA was organized on It was a pride for all the students to expericence the life of a astronaut  Explained every nitty-gritty of his journey right from square one.  Right from the journey of training in a simulation to travelling in space and flying a spacecraft first time  He made students understand that no matter how many ups and downs the journey consists, the essence of the destiny awaits. |  |  |
| Swachh Bharat Mission | | |
| Under the 'Swachh Bharat Mission', under the initiative of the Prime Minister, various programs were organized by the Government of India and the Government of Maharashtra to ensure cleanliness everywhere. In this program, "Cleanliness is a service" is being implemented mainly and the Chief Minister has given instructions for implementing cleanliness fortnightly in the government office.  According to the directions given to implement the cleanliness fortnightly, all officers / staff attended the office as usual between 13/10/2018 to 28/10/2018 and carried out the cleanliness work / office work, as per the instructions given to implement the cleanliness fortnightly.  IMG-20190125-WA0003 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| Parent’s Meeting | | |  |
| IMG-20190125-WA0005  In the last six months, three parent meetings were held in the Department for Parents' Support to clearly explain the progress of the students and to solve any problems.  Previous exams marks were revealed, attendance status & any warnings about insufficient attendance were discussed.  The meeting also focused on motivating students to study well for the forthcoming exams and updating their parents about their student’s performance in studies as well as their conduct towards the teachers. |  |  |
|  | | |
|  |  |  |
| Placements  |  |  |  |  | | --- | --- | --- | --- | | **Electronics Engineering. 2018-19** | | | | | **S.no.** | **Name of the student placed** | **Enrollment no.** | **Name of the Employer** | | 1 | Bhushan Surve | FS16EC043 | L and T ltd. | | 2 | Roshan Nakate | FD17EC008 | L and T ltd. | | 3 | Rahul Baikar | FS16EC042 | Godrej |  |  |  |  |  | | --- | --- | --- | --- | | **Electronics Engineering. 2018-19** | | | | | **S.no.** | **Name of the student placed** | **Enrollment no.** | **Name of the Employer** | | 1 | Riddhi Rane | SS16EC001 | Tata Power | | 2 | Vipul vishe | SS16EC051 | Godrej | | | |
|  |  |  |

|  |
| --- |
|  |