People’s Education Trust(R), Mandya

PES COLLEGE OF ENGINEERING

Mandya-571401, Karnataka, INDIA
(An Autonomous Institution Affiliated to VTU, Belagavi)
Grant-in-Aid Institution (Government of Karnataka)

Yantrik
2018
ANNADATHA

Dr. Sir M. Vishweshwaraiah
**Vision:**
“PESCE shall be a leading institution imparting quality engineering and management education developing creative and socially responsible professionals.”

**Mission:**
Provide state of the art infrastructure, motivate the faculty to be proficient in their field of specialization and adopt best teaching-learning practices.

Impart engineering and managerial skills through competent and committed faculty using outcome based educational curriculum.

Inculcate professional ethics, leadership qualities and entrepreneurial skills to meet the societal needs.

**Quality Policy :**
Highly committed to provide quality, concurrent technical education and continuously strive to meet expectations of stake holders.

**Core Values**
- Professionalism
- Empathy
- Synergy
- Commitment
- Ethics
Sri K.V. Shankare Gowda

Founder, People's Education Trust®, Mandya.
College Profile

P.E.S. College of Engineering, Mandya was started in the year 1962 by People’s Education Society®, Mandya under the leadership of late Sri K.V. Shankaragowda. The college is permanently affiliated to Visveswaraya Technological University (VTU), Belagavi, and has obtained Autonomous status in the year 2008-09 by the UGC. It is recognized by All India Council for Technical Education (AICTE), New Delhi and accredited by National Board of Accreditation (NBA). The college is functioning under the Grant-in-aid code, Government of Karnataka.

The college is beneficiary of TEQIP grant under component 1.1. The broad objectives of the Programme (TEQIP) is to create an environment in which engineering institutions selected under the Programme can achieve their own set targets for excellence and sustain the same with autonomy and accountability, support development plans including synergistic networking and services to community and economy for achieving higher standards, and to improve efficiency and effectiveness of the technical education management system. The effort would provide a flexible platform to well performing institutions to acquire excellence in specialized areas and emerge as world-class institutions. The TEQIP funds have been utilized effectively and all the Departments have procured latest equipment to their laboratory to train students with the latest equipment as per industry standard.

The college is now managed by Peoples Education Trust®, Mandya and is led by Sahakari Rathna Dr.H.D.Chowdaiah, Ex MLC, MLA, the Chairman. Excellent academic, sports complex and other amenities are spread across 62 acres of the beautiful lush green campus. The college is running 8 Undergraduate BE programs and 8 Postgraduate programs. It consists of 6 M.Tech programs, MBA and MCA which are affiliated to Visvesvarya Technological University. The total intake of the college is 620 students for UG course and 146 students for PG course, besides more than hundred research scholars pursuing MSc (Engg) & Ph.D research programs. Our college has the distinction of having research centre in all the Engineering Departments recognized by the Visvesvaraya Technological University, Belagavi and also has P.E.T. Research Foundation which is recognized by University of Mysore and Kuvempu Uniiversity, Shimoga. There are 46 P.E.S.C.E. faculty members (Ph.D guides) who are guiding more than 120 research students for Ph.D in various disciplines and every year our college produces, on an average, 6 to 7 Ph.D scholars in various disciplines.

The academic activities of the college are governed by a higher body called Academic Council, and the Dean (Academics) is in charge of the academic activities of the college. The curriculum is upgraded regularly to make our students cope with the day to day technological development. The Examination and Evaluations are carried out independently and the results are published as per the Visvesvaraya Technological University norms. The Controller of Examination (CoE) is the head of the Examination cell. The Autonomous Examination system in our college is well managed and has earned a good name in the state.

The college has well equipped Laboratories, Class Rooms, workshops, Library, Placement and Training centre, Auditorium, Sports complex, Hostels for boys and girls, transportation facilities. In addition each department of the college has its student association which provides students platform to exhibit their technical skills and cultural talents.
Dr. H.D. Chowdaiah, B.Sc.(Agri)

Ex-M.L.A & Ex-M.L.C
President, People's Education Trust®, Mandya.
<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H. D. Chowdaiah, B.Sc. (Agri) Ex-M.L.A &amp; Ex-M.L.C, President, PET ® Mandya</td>
<td>Chairman</td>
</tr>
<tr>
<td>Sri H. Honnappa, B.A., Ex. M.L.C Secretary, PET ® Mandya</td>
<td>Member</td>
</tr>
<tr>
<td>Sri Basavaiah, B.A, LLB Vice President, PET ® Mandya</td>
<td>Member</td>
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<tr>
<td>A.M Chandra Mohan B.E Trustee, PET ® Mandya</td>
<td>Member</td>
</tr>
<tr>
<td>S.L Shiva Prasad M.E Trustee, PET ® Mandya</td>
<td>Member</td>
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<tr>
<td>The Director of Technical Education In Karnataka,</td>
<td>Member</td>
</tr>
<tr>
<td>Regional Officer All India Council for Technical Education,</td>
<td>Member</td>
</tr>
<tr>
<td>Dr. S. V. Ramaswamy (AICTE Nominee), Chennai</td>
<td>Member AICTE Nominee</td>
</tr>
<tr>
<td>Prof. H. V. Venkatakrishna (State Govt. Nominee), Bangalore</td>
<td>Member State Govt. Nominee</td>
</tr>
<tr>
<td>Dr. Krishna Venkatesh, Bangalore</td>
<td>VTU Nominee</td>
</tr>
<tr>
<td>UGC Nominee</td>
<td></td>
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<tr>
<td>Dr. K. N. Narasimah Chary Professor and COE, P.E.S. College of Engineering, Mandya.</td>
<td>Staff Representative</td>
</tr>
<tr>
<td>Dr. V. Sridhar Principal, P.E.S. College of Engineering, Mandya.</td>
<td>Principal</td>
</tr>
</tbody>
</table>
# Team of administrators at P.E.S.C.E

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. V. Sridhar</td>
<td>Principal</td>
</tr>
<tr>
<td>Dr. H.V. Ravindra</td>
<td>Vice Principal</td>
</tr>
<tr>
<td>Dr. P S Puttaswamy</td>
<td>Dean(Academic)</td>
</tr>
<tr>
<td>Dr. S. L. Ajit Prasad</td>
<td>Dean (Research)</td>
</tr>
<tr>
<td>Dr. B.S. Shivakumar</td>
<td>Dean(IIIPC)</td>
</tr>
<tr>
<td>Dr. K. Narasimhachary</td>
<td>Controller of Examination</td>
</tr>
<tr>
<td>Dr. D.R. Umesh</td>
<td>Deputy Dean(Academic)</td>
</tr>
<tr>
<td>Prof. M.J. Anand</td>
<td>Deputy Dean (Research)</td>
</tr>
<tr>
<td>Prof. K.M. Ananthu</td>
<td>Deputy Controller of Examination</td>
</tr>
<tr>
<td>Dr. R. Girish</td>
<td>Placement Officer</td>
</tr>
<tr>
<td>Dr. P S Puttaswamy</td>
<td>Head of the Dept. of E &amp; E Engg.</td>
</tr>
<tr>
<td>Dr. H.P. Raju</td>
<td>Head of the Dept. of M E Engg.</td>
</tr>
<tr>
<td>Dr. K.A. Radhakrishna Rao</td>
<td>Head of the Dept. of E &amp; C Engg.</td>
</tr>
<tr>
<td>Dr. Mahalinge Gowda</td>
<td>Head of the Dept. of Civil Engg.</td>
</tr>
<tr>
<td>Dr. J. Venkatesh</td>
<td>Head of the Dept. of AU Engg</td>
</tr>
<tr>
<td>Dr. B.S. Shivakumar</td>
<td>Head of the Dept. of I &amp; P Engg</td>
</tr>
<tr>
<td>Dr. M.C. Padma</td>
<td>Head of the Dept. of C S &amp; Engg</td>
</tr>
<tr>
<td>Dr. Minavathi</td>
<td>Head of the Dept. of IS &amp; Engg</td>
</tr>
<tr>
<td>Dr. Puttaswamy</td>
<td>Head of the Dept. of Mathematics</td>
</tr>
<tr>
<td>Dr. Shivalingegowda</td>
<td>Head of the Dept. of Physics</td>
</tr>
<tr>
<td>Dr. H. Ramachandra</td>
<td>Head of the Dept. of Chemistry</td>
</tr>
<tr>
<td>Dr. H.P. Mohan Kumar</td>
<td>Head of the Dept. of M CA</td>
</tr>
<tr>
<td>Dr. P. Somashekar</td>
<td>Head of the Dept. of M B A</td>
</tr>
<tr>
<td>Dr. N.L. Murali Krishna</td>
<td>Warden, Boys Hostel</td>
</tr>
<tr>
<td>Dr. Shanmukha</td>
<td>Warden, V.S.V.M. Boys Hostel</td>
</tr>
<tr>
<td>Dr. M.L. Anitha</td>
<td>Warden, Girls Hostel</td>
</tr>
<tr>
<td>Prof. T M Devegowda</td>
<td>Students Welfare Officer</td>
</tr>
<tr>
<td>Sri. Kodandarama</td>
<td>Librarian</td>
</tr>
<tr>
<td>Sri. Chinnegowda</td>
<td>Physical Education Director</td>
</tr>
<tr>
<td>Sri. K.S. Basavaraju</td>
<td>Administrative Officer</td>
</tr>
</tbody>
</table>
I am extremely happy that our P.E.S. College Of Engineering is bringing out the 27th volume of the college magazine YANTRIK. The emerging science and technology has made drastic changes in the way we lead our life. The college magazine always provides a platform for the staff and students to showcase their talents and achievements. I extend my hearty congratulations to the editorial board, staff and students of P.E.S.C.E for their efforts in bringing out the college magazine YANTRIK 2017. On this occasion I convey my good wishes to staff and students of P.E.S.C.E. in their endeavors.

Sri. Dr. H.D. Chowdaiah
President PET ®, Mandya

I am greatly pleased to note that our esteemed institution P.E.S.C.E. is bringing out its 27th volume the college magazine YANTRIK. The college magazine is always a treasure of numerous achievements of the institute. I extend my greetings and best wishes to the Staff and Students of P.E.S.C.E.

Sri. H. Honnappa
Secretary PET ®, Mandya
The college magazine is a forum which could aptly be used for recording events, fond memories and creative writing. This magazine has made an earnest attempt in this direction and brought out certain aspects of the college. I congratulate the editorial team for their tireless efforts in compiling the college activities over the years and disseminate them through this magazine.

A college magazine carries the contributions reflecting ethos and aspirations of the students, faculty. It is always a pleasure to be a part of a team which strives to bring out the talents of students and staff of various disciplines on a common platform to share and display their ideas and creative talents. I congratulate and thank all the students and staff who have made untiring efforts to bring out this magazine. I wish them all success.
EDITORIAL TEAM

COMMITTEE

Chairman
Dr. H.V. Ravindra
Vice Principal

Chief Editor
Dr. M.L. Anitha
Professor Dept of CS&E

MEMBERS

Prof. B.S. Mamatha.
Asso. Prof. Dept of CS&E

Dr. M.N. Veena.
Prof. Dept of MCA

Prof. T.M. Geethanjali
Asst. Prof. Dept. of IS&E

Prof. D.M. Srinivas.
Asst. Prof. Dept. of E&E

Prof. M. Srinivas.
Asst. Prof. Dept. of IP&E

Prof. Channe Gowda M.S.
Asso. Prof. Dept of AE

Prof. R.K. Kumarswamy
Asst. Prof. Dept. of Civil

Prof. Kumar N. Krishnamurthy
Asst. Prof. Dept. of E&C

Mr. M.R. Srinivasa
Asst. Prof. Dept. of ME

Dr. Kiran Kumar. A.C.
Asso. Prof. Dept. of MBA

Dr. B. Shanmukha.
Asso. Prof. Dept. of Maths

Dr. T.S. Shashikumar.
Asst. Prof. Dept. of Physics

Dr. Chandrashekar.
Asst. Prof. Dept. of Chemistry

Sri Kodandaram
Librarian

Education is not the Learning of Facts, But the Training of the Mind to Think
- Albert Einstein
Message From Editorial Team

Greetings from Editorial Committee

Passion to succeed leads the path to success. To turn a sapling into a huge tree much care and attention is required. The constant and untiring efforts of P.E.S.C.E. staff and students have given a complete shape to the dreams visualized by founders in bringing glory to the Institution.

Technical Education plays a vital role in the development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life of its people. The responsibility of technical institutions in preparing the students to gain skills to meet the global requirements is much more than ever before. In addition to teaching learning process students must be encouraged to participate in activities outside the classroom go give them a route to make new friends, develop new interests, and to deepen their social and intellectual growth. College cultural events and college magazine is one such medium through which students can showcase their talents. The editorial board extends its considerable appreciation to all authors of articles and others who have involved in this issue of YANTRIK 2018. And special thanks to Dr V Sridhar, Principal for his timely support and suggestions.

We are immensely pleased to bring out the 27th edition of our college magazine YANTRIK 2018. It includes institutional reports, department activity, achievements of staff & students, articles and photographs. The magazine is presenting a glimpse of the growth of the institution on many fronts.

We wish GOOD LUCK for all our outgoing students in their future endeavors.
DEPARTMENT OF AUTOMOBILE ENGINEERING

The Automobile Engineering department is being run by well qualified and experienced faculty members with several years of exposure in Automobile Engineering. The department has well developed laboratories such as, Automotive Engines Workshops, Automotive Chassis & Transmission Workshop, Engine Testing Lab, Diagnosis & Reconditioning Lab, Automotive Testing & Servicing Lab, CAD/CAM Lab with latest software, Material Testing Lab, Fuel Testing and Energy Conversion Lab, Metrology Lab etc. Other basic Workshops available for hands on training consists Carpentry, Fitting, Smithy, Foundry, Welding, Machine shop etc. The department emphasize on imparting quality education, rigorous teaching learning, hands- on expertise. It has collaborated with industrial training with Mico-Bosch, Bangalore, KSRTC Regional Workshop, Bangalore and Eicher Tractor Training Center, Chennai etc. Various cultural and sports activities are conducted by the department every academic year for students to exhibit their talents.

Report of the activities held during 2015-2016 and 2016-2017

- A Technical talk by Kamran Shahid on Baja Vehicle design was conducted by SAE INDIA Collegiate club on 21st February 2015 at placement auditorium.
- A Technical talk on “The Future IC Engines” was conducted by SAE India Collegiate Club on 10th August 2015. Mr. Anoop B Srinivas, PABS CONSULTANTS, Bangalore delivered the talk.
- Three days student development programme on Racing car Design was conducted during 14th to 23rd August 2015. Mr. Anoop B Srinivas, Pabs Consultants, Bangalore delivered the talk.
- Five days staff development programme on “Automotive Technology” was conducted from 18th to 23rd Jan 2016 for the faculties of Mechanical Engineering Sciences.
- Personality development and carrier Guidance program was conducted on 10th March 2016. Experts from Vista Mind, Mysore delivered the talk.
- Technical talk “Emission roadmap for automobiles in india challengers for implementation, CAFÉ, Safety regulations, IUPR” was conducted on 8th Oct 2016. Mr. Preetham C R, Project Manager, Bosch ltd, Bangalore delivered the talk.
- Inaugural function of the Automobile Engg. Association was held on 5th Nov 2016. Sreenivas Menon, Country Manager, Semi Co-ordinator Bangalore was the chief guest and Dr. V. Sridhar, Principal of our institution presided over the function. Mr Sreenivas Menon addressed the gathering and delivered technical talk on “Automotive Embedded System”.
- One day work shop on “Entrepreneurship Awareness” was conducted on 24th on Nov 2016 in view of encouraging the students to develop leadership qualities to become entrepreneur.
- Two days workshop on “Advances in Fuel injection System and Vehicle Diagnostics” was conducted on 19th to 21st Jan 2017, Mr. Venkatesh. G.G, Mico Bosch, Bangalore delivered the talk to enrich the students knowledge.
- Two days workshop on Diagnosis of vehicle by using Bosch tools was conducted on 27th and 28th March 2017. Experts form Mico Bosch Pvt Ltd Bangalore delivered the talk.
- Programme on Personality development and carrier Guidance was conducted on 13th April 2017. GeethaSha, Vista Mind, Mysore delivered the talk.
- Technical talk on Product Design-Motorcycle the process from concept to design & Launch was conducted on 19th April 2017. Mr. Anoop B Srinivas, of Pabs Consultants, Bangalore delivered the talk.
- Three days workshop on “Hybrid Vehicles on 18th to 20th May 2017. Mr. Anoop B Srinivas of Pabs Consultants, Bangalore delivered the talk.
Industrial visits and Industrial trainings were arranged for the students of the department for their benefit.

- Training on Commercial Vehicles at NIE Eicher Training Centre, Mysore was conducted from 27th to 2nd July 2016.
- Industrial Training at Mandovi motors private limited Mysore was arranged from 19th to 28th January 2017.
- Industrial Visit to Prakash Body builders, Tubinakere, Mandya.
DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department was started in the year 1962 as one of the first branches in P.E.S. College of Engineering, Mandya with an intake of 40. The department has carved a niche for itself by offering the most competent instructional programs to the students. The department is running an undergraduate programme with an intake of 120 and it has started PG in CAD Structures with an intake of 18 in the year 2006. The department has been recognized as research centre under VTU, Belgaum. The department is well equipped with laboratories, computing facilities, independent library and other infrastructure. The department has well qualified and experienced teaching faculties. The department also takes up consultancy work pertaining to planning, structural designs of buildings, testing of materials and soil investigation. Various cultural and sports activities are conducted by the department every academic year for students to exhibit their talents.

Report of the activities held during 2015-2016 and 2016-2017

- Sriram, MD, enclaves, Mysore delivered a talk on “Career opportunities and challenges in civil engineering on 17th August 2015.
- Mr. Sarag Bhandari, Supradha constructions, Hubli delivered a talk on “Constructions challenges” on 29th October 2015.
- Mr. P. Nagesh, Regional head(South Karnataka), Technical services, Ultra Tech cements limited, Bangalore delivered a talk on “Young Engineers communication, Presentability and carrier Management and Chemistry with Boss” on 26th November 2015.
- Civil Engineering Departmental students and staff participated in the Shilpi cricket cup organized by BAI Mysuru during 23rd and 24th February 2016. Sri Vikas Gowda, was the best batsman of the tournament.
- Mr. Punith, Technical Service Manager, Ultra-Tech Cements, Mandya delivered a talk on “Good Construction Practices in Civil Engineering” on 20th June 2016.
- Faculty Development Programme on “Diagnosis and Restoration of Structures” under TEQIP Phase II was conducted during 28th to 30th July 2016.
- Prof. D.S. Sandeepkumar delivered a talk on “Software and its Importance in Civil engineering on 23rd August 2016.
- Dr. H.S.Suresh Chandra, delivered a talk on “Center line marking of buildings” on 16th August 2016.
- Prof. HJ Ningaraju delivered a talk on “Presentation skills” on 16th August 2016.
- Prof. S.Naveen Kumar delivered a talk on “Detailing of RCC members” on 23rd August 2016.
- Teacher’s day and Engineers day was celebrated on 15th September 2016 Prof.S.V. Narayanrao former professor in Maths and Sri K.B.Prakash Executive Engineer PWD were the chief guests.
- Mr C.N. Babu Retired Superintendent Engineer, Mysore, delivered a talk on “Cauvery Water Dispute” on 4th October 2016.
- Mr. Laxman, from Institution of Engineers, Mysuru, delivered a talk on “Cauvery water monitory committee” on 4th October 2016.
- Final year students (2016 batch) attended Internship program at BAI Mysore.
- Site visit to Modernization of Canal and Mandya Water Treatment Plant was arranged on 1st January 2017 for 6th semester students along with Prof. H. J. Ningaraju.


Mr. N.R. Ashok, Chief Consultant, ACE Technologies, Bangalore delivered a talk on “Entrepreneurship in Civil Engineering” on 6th January 2017.


Civil Engineering Department students and staff participated in the Shilpi cricket cup organized by BAI Mysuru during 23rd and 24th February 2017 and were runners up in the tournament. Sri Vikas Gowda was awarded as the best bowler and Madan kumar G.R as best batsman of the tournament.

Dr. Inguva Gopinath, Ex. Director ISRO, Bangalore delivered technical talk titled “Indian Space Odyssey - its importance in engineering field for many projects” on 10th March 2017.

Site visit to metro construction at Bangalore was arranged on 11th March 2017 for 6th sem students along with Prof H.J. Ningaraju, Dr. H.J. Puttasavegowda and Dr. Gopisiddappa.
The department of Computer Science and engineering is running successfully the under-graduate, post-graduate and research programmes. The department is highly committed to provide quality education for present challenging societal and industrial need. The bachelor of engineering (B.E) degree programme was started in 1984. The Master of Technology degree (M. Tech in CS & E was started in the year 2007 and Computer Engineering (CE) in the year (2012)). The research programmes such as Doctor of philosophy and Master of Science by research were added in the year 2004.

Department has an outstanding placement statistics and students have been placed in leading IT companies like INFOSYS, TCS, COGNIZANT, ORACLE, and many more. The department has conducted ISTE, AICTE and other sponsored short-term courses, National seminars & symposia. The department also has its own library which has more than 1600 text books and reference book catering to the needs of UG and PG students.

**Departmental Activities during 2015-2016 and 2016-2017**

- International Conference on “Engineering Research in Electronics, Computer Science and Technology (ICERECT-15)”, during 17th - 19th December 2015 was organized by the department in association with EC&E, IS&E and MCA departments.
- “Basic Computer Concepts & C Programming” course with duration of two months was organized from 17th June to 17th August 2015.
- TEQIP II sponsored 5 days work shop for technical staff on “Installation & Maintenance of Computer Peripherals & Networking” was conducted from 29th June to 4th July 2015.
- Amith Kumar S.G, CTO, Master IT Solutions and his team delivered a technical talk on “Cloud Computing Set up” on 10th July 2015.
- Teachers Day was celebrated by the students with some gaming events on 6th Aug 2015 at CSE Department.
- One week Faculty development Program on “Quality policies and Practices in Indian Industries” Under TEQIP II was conducted from 27th August to 1st September 2015.
- One day Workshop on “Wired In Hackathon” was held on 27th February 2016 organized by PC Cube and Computer Society of India at Department of Computer Science and Engineering.
- “C Language Class” under Global Edge was held on 18th March 2016.
- One day Workshop on “QUALNET” by Nihon Communication Systems Pvt. Ltd. was held on 8th March 2016 to train CS department faculties.
- One Week Workshop on “Hadoop Technologies” by team of professionals from Data lifecycle was held from 1st to 5th April 2016.
- Workshop on “Python Programming Language” was held on 7th April, 2016. This workshop was organized and sponsored by Computer Society of India, Department of CS&E for students of CS&E.
- “Google- Applied CS with Android Programme” workshop was held during April-May 2016 and the same was organized and sponsored by Google with Computer Society of India & Department of CS&E.
- One Day Workshop on “Building Embedded System”, was conducted by team of professionals from Pushkala Technologies Private Limited on 1st Sep 2016.
- Seminar on “Entrepreneur Development Program on Business Incubation” by Government of India, Ministry of Micro, Small & Medium Enterprise (MSME)- Development Institute, Bangalore was held on 30th Nov 2016.
One week FDP on “Wireless Sensor Networks and Internet of Things (IOT)” Under TEQIP-II was conducted by team of professionals from Nihon Communication Solutions Private Limited on 13th to 17th March 2017.

The project exhibition was organized for both UG and PG students to exhibit their technical expertise at Computer Science Department on 6th May 2017.

Dr. M.C.Padma, Professor and Head, was sanctioned a grant of Rs 20 lakhs from K-FIST, VGST, Karnataka for the project “Establishing the Internet of Things (IoT) Laboratory for Post Graduate and Research programs” for the year 2016-2017.

Student’s participation/achievements in technical events:

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Event</th>
<th>Place</th>
<th>Month &amp; Year</th>
<th>Honor / Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rahul M Ashlesh</td>
<td>workshop conducted by Google India</td>
<td>Google Office, Gorgon, Haryana</td>
<td>2nd and 3rd March, 2015</td>
<td>Participated</td>
</tr>
<tr>
<td>Chethan Kashyap</td>
<td>Auctus 15.0-IEEE</td>
<td>PESCE MANDYA</td>
<td>13th -14th Feb 2015</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Ranjana H.S Kousik S.A</td>
<td>Detection of Alzheimer</td>
<td>Karnataka State Level My dream Product idea contest</td>
<td>2016</td>
<td>Third Price</td>
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Student’s Social service achievements:

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Event</th>
<th>Year</th>
<th>Achievements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goutham K S Nithin Gowda Pratyush Kumar</td>
<td>Internet Awareness Programme for Rural Students</td>
<td>2015</td>
<td>Participated</td>
</tr>
<tr>
<td>Pratyush Kumar Ashwini M J ChetahnKashyap</td>
<td>Internet Awareness Programme for Rural Students</td>
<td>2015</td>
<td>Participated</td>
</tr>
</tbody>
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Enterpreneur development program on Business Incubation

FDP Program on Big Data Analytics

Workshop on Hadoop Technologies
Department of Electronics and Communication Engineering is running successfully the undergraduate, post-graduate and research programmes with an emphasis on quality and employability to budding engineers. The Bachelor of Engineering (B.E.) degree programme was started as early as 1972. The Master of Technology (M.Tech. in VLSI Design and Embedded System) degree programme was started in the year 2012-13 (Autonomous scheme). The research programmes such as Doctor of Philosophy (Ph.D.) and Master of Science by research (M.Sc. – by Research) were later added in the year 2004. The department comprises of highly qualified and experienced teachers, supporting staff, good laboratory facilities, staff rooms with internet, seminar room, library, computer centre and other infrastructural facilities. The location and atmosphere is conducive for learning. The urban and rural students are pursuing their studies. The intake for B.E (E&C) course is 120 and that of M.Tech is 24.

Departmental Activities during 2015-2016 and 2016-2017

- One day workshop on MSP430 Microcontroller was organized on 18th April 2016 for faculty and M Tech students.
- Two days FDP on Hands-on with Cadence tools was organized on 5th & 26th July 2016.
- Workshop on Texas Analog Pro kit by Texas University Program- Digital Shark technologies was organized on 26th to 27th November, 2016 for 3rd year students of the department.
- Workshop on Raspberry Pi was organized 7th March 2017 for students of the department.
- One week faculty Development programme on MSP430 Microcontroller and its Application IOT was conducted on 8th to 12th March 2017.

Technical talk organized in the Department for Faculty and Students

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>27.8.2016</td>
<td>Srinivasmenon, Manager –sales, Marketing &amp; Application Engineering at on Semiconductor</td>
<td>“Electronics in Automotives”</td>
</tr>
<tr>
<td>08.08.2015</td>
<td>Mr.SudhindraThirthaKoushik- Vice president, Innovation Group, TTK PvtLtd,B’lore</td>
<td>Innovative Silks for Employability.</td>
</tr>
<tr>
<td>04.09.2015</td>
<td>Arpitha H S</td>
<td>Labview and Application</td>
</tr>
<tr>
<td>03.10.2015</td>
<td>Krishna, Adithya Semiconductors, B’lore</td>
<td>Internet of things(IOT)</td>
</tr>
<tr>
<td>03.10.2015 &amp; 4.10.2015</td>
<td>Krishna, Adithya Semiconductors, B’lore</td>
<td>AVR Microcontroller &amp; Ardino applications</td>
</tr>
<tr>
<td>10.10.2015</td>
<td>K N Reddy,Physical design engineer, National Instruments, Bangalore</td>
<td>Future trends in semiconductor industry</td>
</tr>
<tr>
<td>17.10.2015</td>
<td>Correl Technologies, Bangalore</td>
<td>Very low programming FPGA Board</td>
</tr>
</tbody>
</table>

Industrial Visit

The Department organizes an Industrial Visit to the industry related with Electronics and Communication every year for E and C students. The Objective of the Industrial Visit is to help students gain first hand information regarding functioning of the industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom. Special Objectives of the industrial visit is to make students understand the business process,
to become aware of the role of different people in an organization, to become aware of career opportunities, to improve interpersonal skill by communicating directly with industrial personnel, to be aware of the impacts of industrial processes on health, safety, environment and society. The industrial visit has improved the knowledge of the students and has raised enthusiasm to work hard to improve their knowledge and skills.

<table>
<thead>
<tr>
<th>Industry</th>
<th>Academic Year</th>
<th>Date of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaynes Technology (P) Limited, Mysore</td>
<td>2015-16</td>
<td>02nd January 2016</td>
</tr>
<tr>
<td>WIPRO Enterprises (P) Limited, Mysore</td>
<td>2015-16</td>
<td>02nd January 2016</td>
</tr>
<tr>
<td>L&amp;T Electrical and Automation, Mysore</td>
<td>2015-16</td>
<td>11th and 13th May 2016</td>
</tr>
<tr>
<td>L&amp;T Electrical and Automation, Mysore</td>
<td>2016-17</td>
<td>24th and 25th Nov 2016</td>
</tr>
<tr>
<td>WIPRO Enterprises (P) Limited, Mysore</td>
<td>2016-17</td>
<td>24th and 25th Nov 2016</td>
</tr>
</tbody>
</table>

**Staff Achievements**

- Dr. K. A. Radhakrishna Rao, Professor and head of the department was awarded the "Best IEEE Branch Counsellor-2016" for Bangalore Section.
- Dr K A Radhakrishna Rao paper entitled “Multiple Features from Palm Region to Enhance the Performance of Biometric Verification System”, won best paper award at WCECS 2016 organized by IAENG held at San Francisco, USA, 19th-21st Oct 2016.
- Dr. H.S. Sheshadri, Professor, was sanctioned a grant of Rs 20 lakhs from K-FIST, VGST, Karnataka for the project “Medical Image Analysis Laboratory” for the year 2015-16.
- Sri M. Subramanyam, Associate Professor, was funded with Rs 8000.00 from KSCST for the project titled "Automation of inventory control for Bio Diesel plant" for the year 2016.

**Students Achievements**

<table>
<thead>
<tr>
<th>Name</th>
<th>Event</th>
<th>Year</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dhanush gowda E</td>
<td>Intercollegiate Group dance</td>
<td>2016</td>
<td>Winner</td>
</tr>
<tr>
<td>Yuvashree Jain</td>
<td>Singing Competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
</tbody>
</table>

Technical talk: Electronics in Automotives

Technical talk Labview and Application

Department Association Valedictory function

PLUGIN Program
<table>
<thead>
<tr>
<th>Name</th>
<th>Event</th>
<th>Year</th>
<th>Award/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shatavisha Chakravathy</td>
<td>Impromptu speech competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Nisarga G S</td>
<td>Impromptu speech competition</td>
<td>2016</td>
<td>2nd Prize</td>
</tr>
<tr>
<td>Spurthy N Raju</td>
<td>Impromptu speech competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Ganesh R Bhat</td>
<td>Impromptu speech competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Shriya Nagesh</td>
<td>Impromptu speech competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Harshitha K N</td>
<td>Quiz Competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Spoorthi M N</td>
<td>Quiz Competition</td>
<td>2016</td>
<td>2nd Prize</td>
</tr>
<tr>
<td>Shreemanthananda</td>
<td>Quiz Competition</td>
<td>2016</td>
<td>2nd Prize</td>
</tr>
<tr>
<td>Karthik N C</td>
<td>Quiz Competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Satadru Banik</td>
<td>Quiz Competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Shatavisha Chakravathy</td>
<td>Debate Competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Nayana M J</td>
<td>Debate Competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Spurthy N Raju</td>
<td>Debate Competition</td>
<td>2016</td>
<td>1st Prize</td>
</tr>
<tr>
<td>Nisarga G S</td>
<td>Debate Competition</td>
<td>2016</td>
<td>2nd Prize</td>
</tr>
<tr>
<td>Ganesh R Bhat</td>
<td>Debate Competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Amogh Varsha</td>
<td>Debate Competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Spurthy N Raju</td>
<td>Essay Competition</td>
<td>2016</td>
<td>2nd Prize</td>
</tr>
<tr>
<td>Nisarga G S</td>
<td>Essay Competition</td>
<td>2016</td>
<td>3rd Prize</td>
</tr>
<tr>
<td>Pooja H B</td>
<td>Can u C it Auctus15</td>
<td>2015</td>
<td>Winner</td>
</tr>
<tr>
<td>Pooja H B</td>
<td>Byte D Bits CRESCO-15</td>
<td>2015</td>
<td>Runner</td>
</tr>
<tr>
<td>Anusha S</td>
<td>Patrika-CRESCO-15</td>
<td>2015</td>
<td>Runner</td>
</tr>
</tbody>
</table>

**Department Association Valedictory function**
The Electrical and Electronics Engineering Department was started in the year 1962 to cater the need to Electrical Engineers for various Electricity Boards, Industries and Research Organizations. The Department offers courses to meet the present day requirement in the areas of Power Systems, Electrical Machines, Control Systems, Power and Industrial Electronics, Switch Gear and Protection, Power Electronics, Microprocessors, High Voltage Engineering. The department has well qualified and well experienced faculty members to meet the present day curriculum requirements both in theory and practical. The department has always exerted the best of its effort to meet the objectives of achieving technical excellence in the areas of Electrical and Electronics Engineering such as High Voltage Engineering, Power Electronics & Drives, Control Systems, Power Systems, Energy Systems, Analog and Digital Electronics, Signal Processing, PLC & SCADA and Microcontrollers. The Department regularly organizes industrial visits, technical lectures by experts from industries and institutes in contemporary areas to bridge the gap between syllabi and current developments.

Report of the activities held during 2015-2016 and 2016-2017

- Two days workshop on PLC & SCADA by RMJ Automation solution and Training Pvt. Ltd., Mysore was organized in Department during 2\textsuperscript{nd} and 3\textsuperscript{rd} May 2015.
- Technical Talk by Dr. H Naganagouda on Solar Technology was organized in Department on 17\textsuperscript{th} Oct 2015.
- International Conference on Engineering Research in Electronics, Computer Science and Technology (ICERECT-15) was organized in association with other departments during 17\textsuperscript{th} - 19\textsuperscript{th} December 2015 at PESCE, Mandya.
- Technical Talk by Sri. Girish S on Microcontrollers & Embedded Systems was organized in Department on 30\textsuperscript{th} Jan 2016.
- Technical Talk by Sri Akash Kosgi on MATLAB SIMULINK was organized in Department on 29\textsuperscript{th} April 2016.
- Two days workshop on PLC & SCADA by AUTMAC SOLUTIONS, Bengaluru (under TEQIP Phase-II) was organized in department from 5\textsuperscript{th} -6\textsuperscript{th} May 2016.
- One week faculty development program on “Total Quality Management Practices” (Under TEQIP, Phase II) was organized during 28\textsuperscript{th} June to 2\textsuperscript{nd} July 2016.
- Two days workshop on Computer Aided Electrical Drawing (Under TEQIP, Phase II) was organized for final year students during 13\textsuperscript{th} August and 14\textsuperscript{th} August 2016.
- Quiz competition was conducted on 30\textsuperscript{th} August 2017 for department students.
- Poster presentation competition was organized on 8\textsuperscript{th} October 2016 for department students.
- Essay competition was conducted on 22\textsuperscript{nd} October 2016 for department students.
- Technical Talk by Sri Nagendra Prasad on How to Get Succeed was organized in the department on 26\textsuperscript{th} Nov 2016.

List of Technical tour organized by the Department.

<table>
<thead>
<tr>
<th>Date</th>
<th>Place of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>17/11/2015</td>
<td>Madhavamantri Mini Hydro Station, T Narasipura, Mysore</td>
</tr>
<tr>
<td>30/10/2015</td>
<td>Kempleo Hydroelectric Power Station, Sakaleshpura, Hassan</td>
</tr>
<tr>
<td>18/11/2015</td>
<td>Bhoruka Power Station, Sathyagala, Kollegala Taluk, Chamarajanagar</td>
</tr>
</tbody>
</table>
### Student participation in various activities

<table>
<thead>
<tr>
<th>Date</th>
<th>Place of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/04/2016</td>
<td>Chunchunkatte Hydro Power Plant, K R Nagar, Mysore</td>
</tr>
<tr>
<td>18/04/2016</td>
<td>Udupi Thermal Power Plant, Kolachur, Yelluru Village, Padubidri, UdupiDist</td>
</tr>
<tr>
<td>05/11/2016</td>
<td>Udupi Thermal Power Plant, Kolachur, Yelluru Village, Padubidri, UdupiDist</td>
</tr>
<tr>
<td>18/02/2017</td>
<td>Vajmagla Receiving Station, Mysuru</td>
</tr>
<tr>
<td>19/02/2017 To 22/02/2017</td>
<td>Varahi Hydel Power Plant Hosaangadi, UdupiDist</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of student</th>
<th>Activity/Award</th>
<th>Year</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairoz Ahmed</td>
<td>Paper Presentation</td>
<td>2015-2016</td>
<td>GSSS Institute of Engineering &amp; Technology for Women, Mysore</td>
</tr>
<tr>
<td>Harshith M V</td>
<td>Paper Presentation</td>
<td>2015-2016</td>
<td>GSSS Institute of Engineering &amp; Technology for Women, Mysore</td>
</tr>
<tr>
<td>Rakesh G</td>
<td>Paper Presentation</td>
<td>2015-2016</td>
<td>GSSS Institute of Engineering &amp; Technology for Women, Mysore</td>
</tr>
<tr>
<td>Rakesh G</td>
<td>2nd place in paper presentation</td>
<td>2015-2016</td>
<td>Siddaganga Institute Of Technology, Tumkur.</td>
</tr>
<tr>
<td>Mohamed Adnan Khan</td>
<td>1st place in National level Paper presentation</td>
<td>2016-2017</td>
<td>Vellore Institute Of Technology, Tamil Nadu</td>
</tr>
<tr>
<td>Mohamed Adnan Khan</td>
<td>Consolation prize in Project Expo</td>
<td>2016-2017</td>
<td>Anveshana, Bangalore</td>
</tr>
<tr>
<td>Abhishek R</td>
<td>Consolation prize in Project Expo</td>
<td>2016-2017</td>
<td>Anveshana, Bangalore</td>
</tr>
<tr>
<td>Dhanajaya S</td>
<td>Winner in Inter-collegiate inter zone volley ball tournament Conducted by VTU, belgaum</td>
<td>2016-2017</td>
<td>NIT, Mysuru</td>
</tr>
</tbody>
</table>

**Faculty Development Program on “Total Quality Management Practices”**

**Workshop on Computer Aided Electrical Drawing**

**Technical visit to Udupi Thermal Power Plant**

**Department students at Anveshana-2017 science and exhibition fair at Bangalore**
DEPARTMENT OF INDUSTRIAL & PRODUCTION ENGINEERING

The department of Industrial and Production Engineering was started during the year 1982 with a mission to produce the students of good management skill to cater the needs of the advanced and globalized market which demand quality management people. The student intake for the department through CET is 40. I&P Engineering association was started with the aim to act as a platform for academic development of the department. All IPE students & staff are its members. Experts from various fields are invited for delivering guest lectures. All students are encouraged to write technical papers and present them at various State and National level technical paper competition in and outside Karnataka State. Every semester the association conducts minimum two seminars for the students through inviting eminent personnel in various fields like academic and industry.

Departmental Activities during 2015-2016 and 2016-2017

- FDP for the staff members of Mechanical, Automobile and I & P Engg department was conducted on “CATIA and ANSYS” from 27th Jan 2015 to 30th Jan 2015 under TEQIP.
- FDP on “Quality Policies and Practices in Indian Industries” was conducted from 26th August 2015 to 1st September 2015 under TEQIP.
- FDP on “Solid Works 2015” was conducted from 21st Sep’ 2015 to 23rd Sep’ 2015 under TEQIP.
- FDP on “Composites: Design and Manufacturing” from 23rd March 2017 to 28th March 2017 in association with M/s FENFE Metallurgicals, Bangalore under TEQIP.

List of activities organized for students

- Technical talk on “Multi-axis Machine” by Mr. Prem Kumar. L, ADA, Bangalore was organised during May 2015.
- Technical talk on “Social Dimensions for Science and Technology” was delivered by Dr. Subrato Ray, Professor, IIT, Mandi during September 2015.
- Technical talk on “Kaizen & Pokayoke” was delivered by Mr. C. N. Udayshankar, Consultant, Bangalore during October 2015.
- Technical talk on “The Employment opportunities and Job Interviews” was delivered by Mr. Kasturi. R. R during February 2016.
- Technical talk on “5S Japanese lean concept of Housekeeping & work plan organization” was delivered by Mr. Lakshman.B, DGM, during February 2016.

In addition to technical events Fresher’s day and Teacher’s day are celebrated every year

List of Industrial visit organized for students

<table>
<thead>
<tr>
<th>Industry</th>
<th>Academic Year</th>
<th>Date of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/s Automotive Axles Limited, Mysore</td>
<td>2015-2016</td>
<td>18th and 19th November 2015</td>
</tr>
<tr>
<td>M/s Carl Zeiss India Pvt. Ltd., Bengaluru</td>
<td>2015-2016</td>
<td>18th May 2016</td>
</tr>
<tr>
<td>M/s Bharath Earth Movers Ltd, Mysore</td>
<td>2015-2016</td>
<td>21st May 2016</td>
</tr>
<tr>
<td>M/s ADMA Foundary., Mysore</td>
<td>2016-2017</td>
<td>24th March 2017</td>
</tr>
</tbody>
</table>

Education is the manifestation of perfection present already in man.

- Swamy Vivekananda
Students Activities / Achievements

- Technical Paper titled “Single Minute Exchange of Dies” was presented by Srinivasan D and Manjusimha P N at National level paper contest conducted by NIE Mysore, Pratibimb 2015, held on 10\textsuperscript{th} - 11\textsuperscript{th} April, 2015.

- Technical Paper titled “Powder Metallurgy” was presented by Suresh C and Rajini N S at National level paper contest conducted by NIE Mysore Prathibha 2015, held on 10\textsuperscript{th} - 11\textsuperscript{th} April, 2015.

- Stephen Myaboo won 2nd Prize for Meritor Scholarship held on 28\textsuperscript{th} Nov 2015 at P E S College of Engineering Mandya organized by Meritor company, Bengaluru.

- Tejas Bharadwaj T.S won 2\textsuperscript{nd} Prize for Meritor Scholarship Certificate of Recognition held on 28\textsuperscript{th} Nov 2014-15 PES College of Engineering Mandya organized by Meritor company, Bengaluru.

- Sindhu A Srihari won 1\textsuperscript{st} Prize for Meritor Scholarship “Prathibha 2016” held 19\textsuperscript{th} March 2016 P E S College of Engineering Mandya.

Information science is an interdisciplinary field primarily concerned with the analysis, collection, classification, manipulation, storage, retrieval, movement, dissemination, and protection of information. The Department of Information science and Engineering takes pride in producing quality engineers over the past 17 years. The credit for all the flowery results goes to the highly motivating staff, from which all students draw inspiration. The strength of an IS major lies in his/her ability to apply the knowledge of information systems and technology to help organizations compete more successfully in the marketplace or to streamline current operations. The focus of the department is to provide students with in-depth knowledge in the field of computer and information technology. Apart from curriculum, the students are encouraged to participate in research projects, technical events, cultural activities and sports. The department has a strong coverage of alumni network to support curriculum development and career guidance for ongoing student batches. Faculty members of the department are involved in research activities in different fields such as Medical Image Processing, Pattern Recognition, and Data Mining etc. Department has IEEE student chapter and student association under which various activities like Orientation Drive, Technical Session, Quiz Competition, and Workshop etc. are carried out every. ISE is the proud host of Ganesh Chaturti since the inception of the Department.

Report of the activities held during 2015-2016 and 2016-2017

- International conference on “Emerging Research in Electronics, Computer science and Technology” (ICERECT-15) jointly organized by IS&E with CS&E, EC&E, EE&E and MCA Department was held on 17th to 19th December 2015.
- Two days workshop on “QualNet Training with hands-on” was held on 21st to 22nd January 2016.
- One day workshop on “QualNet Training with Source code” was held on 27th January 2016.
- Three days technical festival on “SWATAHA-16”, in collaboration with Free Software Free Society was held on 26th to 28th February 2016.
- One day Technical talk on “Educational Technology” was held on 5th March 2016.
- One week workshop on “Hadoop technologies” sponsored by TEQIP cell was held on 1st to 6th April 2016.
- Three days technical festival “TECHIS-16” was held on 14th to 16th April 2016.
- Guest Lecture on “Improving TCP performance in Networks” was held on 22nd October 2016.
- Technical Seminar on “Software Engineering and Professional Ethics” was held on 26th November 2016.
- One day Technical talk on “Data Science with R” was held on 28th January 2017.
- One week workshop on “Wireless sensor networks and Internet of Things (IOT)” sponsored by TEQIP cell was held on 13th to 17th March 2017.

Staff Achievements

- Dr. Minavathi, HOD, IS&E Department paper entitled “Feature Level fusion of information form Mammogram and Ultrasound Images for Detection of Micro-Calcification In Breast” was awarded as best paper at the International Conference on Innovative Engineering Technologies (ICIET) held in Los Angles, USA on 17th May 2016.

Industrial Visit organized by the department

The Department organizes an Industrial Visit to the Information Technology (IT) industry every year for IS&E students. The Objective of the Industrial Visit is to help students gain first hand information regarding functioning of the industry which presents the students with opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom.
<table>
<thead>
<tr>
<th>Industry</th>
<th>Date</th>
<th>Outcome of the Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marlabs software(Pvt) Ltd., Mysore</td>
<td>18/11/2015</td>
<td>To study what is going on in the industry</td>
</tr>
<tr>
<td>Nihon Communication Solutions Pvt Ltd</td>
<td>09/02/2016</td>
<td>Training on QualNet</td>
</tr>
<tr>
<td>Nihon Communication Solutions Pvt Ltd</td>
<td>8/02/2016 to 13/02/2016</td>
<td>Training on QualNet</td>
</tr>
<tr>
<td>Infosys Private Ltd</td>
<td>26/11/2016</td>
<td>To study what is going on in the industry</td>
</tr>
</tbody>
</table>

**Co-curricular activities of students**

- Shreyas S participated in Judo Tournament conducted by MVJC, Bangalore.
- Shreyas S participated in “36th Karnataka State Judo Championships 2015-16” conducted by Raitha Samudhaya Bhavan, Mysore Sugar Co.ltd, Hanakere, Mandya.
- Anoosha Venkatesh participated in “Throw Ball Tournament” conducted by GSSSIE, Mysore.
- Shreyas S participated in VTU Single zone (state level) inter collegiate judo conducted by Vishwanatha rao deshpande rural institute of technology Haliyal.

![Industrial Visit](image1.jpg)

![Industrial Visit](image2.jpg)

![Students at SRM University](image3.jpg)

![GLUG orientation day](image4.jpg)
DEPARTMENT OF MECHANICAL ENGINEERING

The Mechanical Engineering Department has carved a niche for itself by offering the most competent instructional program to under graduate students. The Department is one of the first three that started functioning in 1962; the faculties are all well qualified and experienced. The Department is offering M.Tech programme in Computer integrated manufacturing (CIM) from the academic year 1999-2000. The Department is offering M.Tech programme in Machine Design from the academic year 2013-2014. The department has good infrastructure with well-established and spacious classrooms. The department laboratories are well equipped with sophisticated and advanced tools/instruments. Apart from the central library, the department has an exclusive library with a collection of more than 3500 text books and reference books catering to the needs of UG and PG students as well as faculty members. The library preserves previous year's projects, dissertations, seminar reports and question papers. Every year new books are added to the stock. Students and faculty borrow books from the department library periodically.

Report of the activities held during 2015-2016 and 2016-2017

- Technical Talk on “Recent Trends In Design Engineering” by Kiran Hebbar, CEO, KH Designs, Bangalore as conducted on 26th July 2016 at placement auditorium.
- In association with Dr Rajkumar Eye Bank, Bengaluru, Bidadi Druggist and Chemists Association, Bidadi, Ramanagara Dist and Shankara Eye Hospital, Bangalore talk on awareness about eye donation was conducted on 26th July 2016.
- “CLEAN IT for SWACH BHARATH” a social awareness programme was organized at VIKASANA horphonage at Kyathamgere, Mandya Taluk on 2nd March 2017.
- A technical talk on HAM- a wireless communication information program by Mr. Sathyapal, President of HAMS Club Bangalore was organized in association with EC Department on 12th April 2017.
- Work shop on “Preparation for Competitive Examinations” by Mr Girish and Miss Mamatha, in association with Dr Raj Kumar Academy for Civil Service Examination, Bangalore was conducted for the benefit of students.
- Agri expo in association with Krishi Vignana Kendra, V C Farm, Mandya and Sri Siddeswara Enterprises, Mandya was conducted on 5th May 2017 at college campus.
- An intellectual game COWKA and CHAKRAVYUHA which enhances the physical and mental health of the students was arranged on 5th & 6th May 2017.
- Prof. Siddaiah & Prof. H C Ramesh Memorial Cricket Match was held on 29th and 30th April 2017 at cricket stadium.
- An international conference “Recent Trends In Mechanical Engineering” was conducted in association with Automobile & Industrial Production department was conducted on 21st and 22nd April 2017.
- Technical talk was arranged on “Indian Space odessey” by Mr Gopinath Inguva, alumni of mechanical department (1982 Batch).
- Technical talk on Design and Implementation of Suspension Floating Bridges was arranged for the students of Mechanical engineering Department. The talk was delivered by Mr. Girish Bharadwaj, Padmashree awardee by the Govt of India for the year 2016 and Alumni of our college on 18th Feb 2017 at Placement Auditorium.
- Technical talk on “opportunities For Entrepreneurship” by Mr Madhuchandan, Managing Director M/s Organic Mandya, Mandya and alumni of PESCE was organized on 17th July 2017.
- A technical Talk on “Antifriction Bearings for Refrigeration Industry” by Dr A Ramesh Deputy director (RTD) CFTRI, Mysuru, was organized on 22nd Feb 2017 in association with ISHRE.
A technical talk on Job Opportunities for Mechanical Engineers was arranged for mechanical engineering students. Mr. Girish S CEO of TEST YANTHRA and Q-SPIDER delivered the talk on 20th May 2016 at placement auditorium.

TEXPO-The project exhibition was conducted on 15th April 2016. The students of mechanical engineering and other department exhibited their projects at IC Engine Lab

NEO CRICK & AATAGAARA-An intellectual game which enhances the physical and mental health of the students was arranged.

Technical talk on “challenges For Entrepreneurs of New Start-up’s” in association with Mandya District Industries and commerce chamber, Mandya on 20th OCT 2015.

Technical talk by Dr Guruprasad, Director, DRDO, Pune was arranged on 19th SEP 2015.

“Entrepreneurship Awareness Programme (EAP) was organized in association with Mandya district industries centre (DIC) on 24th May 2016.
Department of Master of Computer Applications (MCA)

The department of MCA was started in 1992 in PES College of Engineering Mandya, one among the earliest institutes in Karnataka to start MCA Programme and successfully completes 25 years with excellence. The department is run by highly qualified teaching staff. The department has been actively involved in conducting workshops, Technical Seminars from industry persons to provide a platform for sharing and spreading the latest developments in the field of Computer science and applications. The curriculum for the Master of Computer Applications programme is designed to meet the need of the industry. Our aluminise are placed across the world in MNC companies like HP, iGate, IBM, EMPHASIS, SONY, NOKIA-SIEMENS, MINDTREE, TCS, ACCENTURE, INFOSYS, L&T, ORACLE, WIPRO, AERIES GLOBAL, TECH-MAHINDRA etc.

Events held during academic year 2015-2016 and 2016 -2017

- One-day workshop on “Digital Resource for learning and Publishing” was conducted on 24th August 2015 by the department in association with Interline Publishing, Bangalore.
- “International Conference on Engineering Research in Electronics, Computer Science and Technology (ICERECT-15)” was organized in association with other departments during 17th - 19th December 2015 at PESCE, Mandya.
- Two Days Workshop on “Data Analytics using R tool” for faculties and students of IT stream was conducted on 27th & 28th May 2016.
- Dr. Vijayashree.B.L, Director, BORQS Software Solutions Private Ltd, Bangalore, delivered Technical talk on “Software project Management & Finance” on 19th November 2016.
- State level Inter College IT Fest “FESTINOVA-2017” was conducted on 4th April 2017.
The Post Graduate Department of Management Studies was started during the year 2009. It comprises of well experienced qualified faculty members from Industry & Academia to impart latest information to students & train them to meet the liberalized and globalized market demand. The department emphasizes towards imparting quality education, rigorous teaching-learning, hands-on expertise and helping students to shape their all-round personality. The department with its strong pool of faculties contributes to develop life-long learning skills to its students and producing worthy researchers by offering research program. The department regularly organizes industrial visits, Technical lectures by experts from industries and institutes in contemporary areas to bridge the gap between syllabi and current developments. The major thrust areas of research is in the domain of Marketing, Finance and Human resource. The department has published and presented more than 50 papers in various national / international conferences and Journals. The department has conducted two Management Development Programmes in pedegogy training for various academicians.

Events held during academic year 2015-2016 and 2016 -2017

- On 28-02-2016 Mr. Venketeshwar Kumar, Business Development Manager Rest of Karnataka from Positive Edge Pvt Ltd Banglore, visited the department and interacted with students and delivered talk on “Usage of Advance Excels Microsoft”.
- On 03-03-2016 Mr. Harsha, Senior Software Functional Consultant from SIPSS Mysore gave a Lecturer on “How to Crack Stress by applying Holistic Method”. It was an eye opening session for students.
- On 04-05-2016 Mr. Kotresh Patel, Manager and Risk Adviser From Eagle Adventurous Banglore, interacted with students on “Managing Risk as a Managers” It was purely on facing day to day Challenges as managers and well Behaving with subordinates maintaining good relationship with clients.
- On 12-05-2016 Mr. Shiva Kumar an Entrepreneur and Para olimpics Bronze Medalist who has visited more than 8 countries as interacted with students on “Sprit of Entrepreneurship”.
- On 14-05-2016 Mr. Aftab a Motivational speaker from Pupil consultant Banglore addressed the gathering on “Importance of self Motivation”.
- On 07-03-2017 two days work shop was conducted on “Data Analysis by Using SPSS” Mr. Manjunath a statistician from Banglore delivered sessions for research aspirants
- On 27-03-2017 Mr. Manjunath Rao, Charted accountant from Mysore interacted with the students on “Union Budget-2017”. Mr. Manjunath covered maximum points on how central government will draft Budgets how budgets will be implemented in all the states
- On 24-04-2017 Mr. MadhuChandan, Founder and President of Organic Mandya co-operative group delivered talk on “Auto Biography of Entrepreneurs” by sharing his own experience.
- On 02-05-2017 Mrs. Suma Shivalingaiah CEO SITAR, Research Consultant, Banglore delivered talk on “Get prepared to Fly”. She shared her Experience of living in Australia and Global Opportunities for MBA Graduates.

ANUSMARAN-2016

On 26th of May 2016 Alumni meet of the department was held at the Placement auditorium. The event started at 9am with the registration of alumni members. The program was continued with alumni interaction by sharing their experience of work life. The events followed with few games organized by the MBA students to build good relation with them.
Lakshya-2016

On 27th of May 2016 management games like beating the market, financial planning, financial analysis, project/business evaluation etc were played at placement auditorium as part of Lakshya-2016 event. Games related to improvement of interpersonal skills, decision skills, leadership skills, communication skills were played in the HRM area, selling products, marketing strategy development and lot of personality related games were played in the event.

UTSAV (Weekly Activity undertaken by MBA Department)

There are several skills that would fall under the umbrella of teamwork. One of the most important one is communication. The ability to confidently conduct a face-to-face conversation is crucial. Other important teamwork skills include emotional intelligence, active listening, adaptability, collaboration, conflict resolution and compromise.

Objectives of UTSAV

- Develop Interpersonal skills in the students.
- Motivate the students to improve their creative skills.
- Preparing the students to work in Teams.
- Giving the opportunities to those students who need a platform to prove their talents.
BASIC SCIENCE DEPARTMENTS

The study of basic science leads to a better understanding of natural phenomena. It looks for "knowledge and discovery of facts" to enable one to understand an already existing phenomenon. Department of Physics, Chemistry and Mathematics at P.E.S.C.E works towards nurturing young minds towards scientific challenges and motivates researchers to build their career in academics.

DEPARTMENT OF PHYSICS

Department of Physics was established in the year 1962 and it is located in the first floor of Administrative Block. The department laboratories are well established with latest & modern equipments and provide strong foundation in basic knowledge of science to achieve excellence. The faculty members of the department have published twenty one papers in National & International journals and thirty seven papers presented in different symposia / conferences. The department provides a unique opportunity to study the different exciting fields with guidance of qualified teachers. Staff members are also helping the students in their project work of various engineering departments. This ensures good academic performance of the students.

Department faculty achievements

- ISTE-STTP program was conducted during December 8\textsuperscript{th} - 18\textsuperscript{th} 2015 funded by MHRD, Government of India through IIT, Bombay
- Dr. Shivalinge Gowda has received “Best Oral Presentation Award” for his research paper in 18\textsuperscript{th} International conference on Applied Physics held in Wembley, London, United Kingdom during 25\textsuperscript{th} - 26\textsuperscript{th} August 2016.
- Dr. T. S. Shashikumar, has received “Best Oral Presentation Award” for his research papers, in 18\textsuperscript{th} International conference on Applied Physics held in Wembley, London, United Kingdom during 25\textsuperscript{th} - 26\textsuperscript{th} August 2016.

DEPARTMENT OF CHEMISTRY

Department of Chemistry was established during the year 1962. Department has been recognized as research centre by University of Mysore, Mysore and VTU, Belagavi. The Staff members are actively involved in research activities of various disciplines such as Physical Organic Chemistry, Chemical Kinetics, Corrosion science, Crystallography, Nanoscience, Biochemistry and Electrochemistry. Faculty members have published more than 33 research papers in National and International journals and also presented 51 research papers at National and International conferences. Department laboratory has well equipped instruments and has a small library. Department has research Collaboration with University of Mysore and CPRI Bangalore.

DEPARTMENT OF MATHEMATICS

The Department of Mathematics since its very inception has strived to be a centre of excellence in mathematics and computing, and it has been vigorously engaged in research and teaching. Faculties of the department encourage both UG and PG students of all engineering branches to explore the two way relationship between technology and society.

Department faculty achievements

- Dr. Puttaswamy has presented a research paper at 18th International Conference on Mathematical Analysis and Graph Theory on September 26 – 27, 2016 in San Francisco, USA.
- Dr. B. Shanmukha, has been Identified as a Subject Expert by VTU for VTU – EDUSAT program – 22, from 27.02.2017 to 31.05.2017.
SPORTS SECTION

For a long time, sports have been viewed as a way to stay healthy and in shape, but their importance goes much further. As a matter of fact, playing sports teaches life lessons like discipline, responsibility, self-confidence, accountability, and teamwork. Studies have shown that exercise increases blood flow to the brain and helps the body build more connections between nerves, leading to increased concentration, enhanced memory, stimulated creativity, and better-developed problem solving skills. From a social standpoint, sports are a powerful tool that brings people together and creates a sense of community. With these points in mind the Department of Sports serves as a vital and integral part of student life on campus for instituting a good sports culture. The primary direction is to provide services and programs that develop fitness and wellness, social interaction and leadership opportunities for students.

V.T.U. Tournaments winners and runners Result List

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Events</th>
<th>Year</th>
<th>Venue</th>
<th>Zone/ Inter-zone</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Ball Badminton</td>
<td>2016</td>
<td>R L Jallappa Engg. College Doddaballapur</td>
<td>Rest of Bangalore</td>
<td>Runners</td>
</tr>
<tr>
<td>2.</td>
<td>Tennis</td>
<td>2016</td>
<td>V V C E, Mysore</td>
<td>Mysore</td>
<td>Runners</td>
</tr>
<tr>
<td>3.</td>
<td>Volley Ball</td>
<td>2015</td>
<td>MIT, Mysore</td>
<td>Mysore</td>
<td>Winner</td>
</tr>
<tr>
<td>5.</td>
<td>Foot Ball</td>
<td>2015</td>
<td>SJC Mysore</td>
<td>Mysore</td>
<td>Winner</td>
</tr>
<tr>
<td>6.</td>
<td>Kabaddi</td>
<td>2015</td>
<td>BGSIT, Bellur</td>
<td>Mysore</td>
<td>Runners</td>
</tr>
<tr>
<td>7.</td>
<td>Hand Ball</td>
<td>2015</td>
<td>ATME, Mysore</td>
<td>Mysore</td>
<td>Runners</td>
</tr>
<tr>
<td>8.</td>
<td>Foot Ball</td>
<td>2015</td>
<td>JNNCE, Shimoga</td>
<td>Inter Zone</td>
<td>Runners</td>
</tr>
</tbody>
</table>

V.T.U. Tournaments conducted by P.E.S. College of Engineering, Mandya.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Events</th>
<th>Zone</th>
<th>Year</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Cricket</td>
<td>Mysore Zone</td>
<td>2015</td>
<td>PESCE, Mandya</td>
</tr>
<tr>
<td>2.</td>
<td>Basket Ball</td>
<td>Mysore Zone</td>
<td>2015</td>
<td>SJCE, Mysore</td>
</tr>
</tbody>
</table>
P.E.S.C.E. Training & Placement Centre (TPC) specializes in Campus Recruitment Training, where TPC caters to student’s placement necessities in the areas of Aptitude ability, Verbal Proficiency, Technical talent and Life skills by training, assessing, analyzing, mentoring and counselling them. Virtual drive will be conducted at the conclusion of the training cycle for the 6th semester students, where all the students will be exposed to real-life-interview-scenario and they will be assessed by corporate personnel who are directly involved in the recruitment and talent acquisition process. Not stopping at that, TPC also provides company specific training and study material for the students, a week prior to the company visiting the campus for placement drive for 7th semester and 8th semester students.

Training

In the 1st year TPC focuses on communication and behavioral skills. Students who come from rural background are given extra care to balance the exposure which they lacked in their school life. In 2nd year students are trained on basic modules of aptitude and logical reasoning with relevant soft skills modules. In 3rd Year, Advanced aptitude and verbal modules will be introduced in order to wrap up the complete aptitude preparation required to crack the first round of campus recruitment process. Interview related modules i.e. Group Discussion, e-mail writing, Personal Interview will be introduced in order to better equip the students to face the interview process. Vacation of 5th semester students is dedicated for placement training classes, where 84 hours of rigorous training will be provided, covering the entire syllabus of the semester. In the subsequent weeks of the semester, the students will be exposed to continuous weekly assessment and life skills session based on the learning for the semester. Exhaustive 21 days industry oriented training will be conducted for the 6th semester students during the vacation which includes training on different domains such as Aptitude, logical reasoning, Verbal Ability, Soft skills and technical modules. Continuous daily assessments will be conducted, the results of which were analyzed in-depth and further follow up sessions are conducted during customized training. In final year, depending on the requirement of the company, students are exposed to company specific training conducted a week prior to all the major recruiters and other companies visiting the campus. The specific training will include concepts, questions and previous year papers which are likely to appear in the placement process of the company visiting in the coming week.

Analysis

Students performance are analyzed in depth (Domain wise analysis, Module wise analysis, topic wise analysis and even question wise analysis) to provide a holistic preview of where the student stands pertaining to each area. This will equip them with a better understanding of their areas of strength and areas of improvement. TPC provides in-depth insights on the weak areas of the students, but also provide customized training and study material for the identified weak topics.

Career Guidance and Value Addition

AT TPC we believe that students need appropriate Career Guidance from the nascent stage of engineering, hence TPC works on identifying their areas of interest. Apart from TPC helps students by providing additional regular communication classes and doubt clearing sessions.

Dr R Girisha
Placement Officer
REPORT FROM RESEARCH CENTRE

PESCE Research Centre was established in the year 2002 in order to stimulate and enhance the research activities of the institute. Ever since its inception, the research centre has been growing steadily, showing increasing research outputs both in terms of quantity as well as quality. The research center has been affiliated to Visvesvaraya Technological University, Belgavi and University of Mysore.

The professional maturity of any institution is measured by the quantum of research output of the institute. Currently there are 32 registered research guides under PET research foundation and about 135 research scholars, pursuing their research programmes. The centre has produced 76 Ph.D and 13 M.Sc Engg graduates since its inception. 135 PhD scholars and 6 MSc Engg scholars are pursuing their degree at the research center.

The institute has six Post Graduate programmes in engineering disciplines in addition to Master’s programmes in Computer Application and Business Administration. These PG programmes are highly supportive in enhancing the research activities of the institute.

Many faculty members of the institute have presented technical research articles in international conferences across the globe. Research scholars of the institute have produced about 1200 technical articles and they have been published/presented in various journals/conferences. Different departments of the institution are actively conducting technical seminars, workshops and conferences regularly which provides common forum for the research scholars to interact with outside world.

A two days workshop entitled “Holistic Approach to Research” was conducted on 20th and 21st July 2016 by PESCE Research Centre with the aim of enhancing the research capabilities of faculty and research scholars in terms of increased publications of research outcomes as well as preparing proposals for funded projects. Eminent speakers were invited to deliver expert talks related to research activities.

Dr. Ajit Prasad S.L.
Dean Research
IEEE REPORT

IEEE PESCE Student Branch at P E S College of Engineering, is empowered to grow technically, professionally and academically to grid oneself to be technically with the ebullient attitude that engenders to build a wonderful career ahead. IEEE PESCE Student branch is affiliated to IEEE, Asia Pacific, Region 10, Bangalore Section. The branch has a blooming group of more than 126 active members involved in participating and organizing a range of activities aimed at enhancing of students academic, professional and career lives. Hard work, dedication and innovation have been highlights of IEEE student branch. The Student Branch of IEEE, budding since 2007 to create an ambiance where each can flourish by displaying their skills and be abreast with the latest developments in cutting edge technology through weekly meets and various other events like seminars, workshops held regularly. The most unique social activity wing works towards doing something for the society.

IEEE PESCE conducts the annual tech fest called ‘CRESCO’ in even semester and ‘AUCTUS’ in odd semester from its inception. The branch also has Women In Engineering (WIE) subchapter. WIE also conducts various technical and social activities. The success of IEEE-PESCE is the result of immense effort from execom and support from branch counselor.

Under the chairmanship of Rahul Kini during the academic year 2015-16, Lakshmeesha Sringar during 2016-17 and immense support from Branch Counselor, Dr. K A RadhakrishnaRao the team was successfully able to conduct the following list of events.

- **IOT Hands-On Workshop** was conducted at Cognizant Technology Solutions, Manyata Business Park on 30th and 31st of May, 2016.
- **IEEE Hubba:** IEEE Hubba was a hub level event organized by IEEE Mysore hub to celebrate IEEE day. It was held in BM Habitat Mall, Mysore. The event started with a skit whose theme was to create awareness about environment.
- **Drupal Camp:** Drupal is a CMS(Content Management System) software, which is an software written in PHP and which lets the building, managing, security of the website to the unmatched level. The keynote speaker was Erynn Petersen, SVP at Time Inc.
- **CRESCO 16.0:** A technical symposium was conducted on 11th, 12th and 20th of April 2016. CRESCO provides the platform to enhance the creativity, leadership skills and organizing ability of students. CRESCO consists of various events like Patrika, Maidaan, Virtual Treasure Hunt, Byte The Bits, Quizzine, CodeQuest, Snapster, Eureka, Aurifera, Samvaad and many other.
- **AUCTUS:** AUCTUS is a technical fest conducted in odd semester that helps student pickup technical skills while conducting various events like Electronic Salad.
- **Visit to Nokia Date:** 18 August, 2016 Venue: Nokia Networks, Bangalore: As a part of the Elevate programme, Nokia invited IEEE PESCE to witness an insider's view of what drives the tech giant Nokia Networks. This Industrial Visit gave members a heads up on the current technology under development as well as the challenges and opportunities in the business of Communication Networks.
- **Visit to Cisco Date:** 6 April, 2016 Venue: CISCO Systems India Pvt Ltd. Bangalore: As a part of the Elevate programme, CISCO invited IEEE PESCE to come and witness an insider's view of what drives the tech giant CISCO Systems. This Industrial Visit gave our members a heads up on the current technology under development as well as the challenges and opportunities in the business.
- **R10 Congress Date:** 25-27 August, 2016 Venue: Lalith Ashok Hotel, Bangalore: Group of IEEE students from PESCE attended the IEEE Region 10 (R10) Student/Young Professional/ Women in Engineering/Life Member (SYWL) Congress was held in Bangalore brought together different groups of IEEE members – students, Young Professionals, women and Life Members - under one roof.
IEEE INDICON Date: 16-18 December, 2016 Venue: IISc, Bangalore: IEEE INDICON conference is an annual event of IEEE India Council; and covers a broad range of topics in the areas of Computer Science Engineering, Electrical Engineering, and Electronics and Communication Engineering. The 13th edition of the conference, INDICON- 2016 was organised by IEEE Bangalore Section at IISc Bangalore. Pratyush Kumar, IEEE PESCE student member took the initiative of becoming a volunteer from IEEE PESCE for the event. The event was a great success and was able to set the milestone they determined to.

- Networking and its Components: A technical session about the basics of Networking and its Components was conducted on Feb 6th & 10th 2017.
- AUCTUS: AUCTUS is a technical fest conducted on Feb 14th, 15th & 16th that helps student pickup technical skills while conducting various events like Electronic Salad.
- Visit to GTTC: On Feb 28th 2017 group of IEEE students visited Government Tool Room and Training (GTTC) and Substation grid (CSEC) at Mysore.
- Information and Ethical Hacking Workshop: Information Security and Ethical Hacking conducted by Mr. Chaitanya Krishna in a two days’ workshop. The workshop is scheduled to start at 10:00 p.m. on 6th April, 2017 and will descend on 7th April, 2017.
- CRESCO 17.0: CRESCO which was conducted on Apr 11th,12th & 20th 2017 provided the platform to enhance the creativity, leadership skills and organizing ability of students. CRESCO 17.0 consisted of various events like Patrika, Maidaan, Virtual Treasure Hunt, Byte The Bits, Quizzine, CodeQuest, Snapster, Eureka, Aurifera, Samvaad and many other.
- Adobe Photoshop Session: Adobe Photoshop was conducted by Moinam Chatterjee in August 2017. It was conducted to help people equip with the Photoshop skills.
- Workshop on IOT was conducted for students of PESCE on Aug 22nd & 23rd 2017 in collaboration with ROBOKART.
- Visit to Organic Mandya: IEEE PESCE conducted a visit to organic farm where all the members learnt new ways of organic farming. It also motivated students to take up new ventures and adapt ways of working in the farm
- Teacher In-Service Program: The Teacher In-Service Program (TISP) is a professional development workshop aimed at pre-university educators to bring exciting hands-on engineering lessons to their classroom. We intended to hold a few sessions on applied learning and practical implementations for the benefit of the teachers as well as students from high schools around Mandya.

In addition to the above list IEEE PESCE student branch celebrates Independence, Women’s day, IEEE Day, DEBATATHON A debate competition, Teacher’s day every year.
Library and Information Centre of PESCE is one of the prestigious libraries among technical colleges in the country. Library aims to offer effective services to its user community with a rich collection of more than 1 lakh items including books, journals, magazines, standards, project reports and other materials in the field of technical and management sciences through user friendly and state of the art facilities. Library portal is also maintained facilitating single gateway to vast electronic resources. The main objective of the library is to provide the updated information with advanced technologies to emerge PESCE, Mandya as the best technological college in the country by developing good collection of learning materials and providing finest services. PESCE library and Information Centre always strive to provide better services and facilities to support the learning, teaching and research activities. The library provides quality information resources on engineering, management and computer science disciplines functioning from 8.00 AM to 8.00 PM. Presently it has over 102041 volumes with 22690 titles in its collection and subscribed to over 3500 online journals from 8 databases and 115 National and International printed journals. More than 3000 CDs are available in the library. The library can accommodate 100 students at a time with Wi-Fi facilitated and security system with CCTV.

**Services and facilities**

- **OPAC:** online public access catalogue has been created using Ecap software which is the gateway to library collection which enables user to easily locate the required books without spending much time in searching.
- **Institutional Repository (Dspace):** IR is an online archive for collecting, preserving, and disseminating digital copies of the intellectual output of an institution like journal article, conference papers, project reports, theses and question papers.
- **Digital Library:** the digital library has 24 exclusive nodes connected to different servers hosting a lot of e-resources including e-journals, e-books and other materials. Users can make use of the digital library for the preparation of assignment, seminars and internet browsing.
- **Federated Search:** since the library has got access to over 3500 online journals, for easy, fast retrieval and simultaneous search of information federated search technology has been introduced using Knimbus database.
- **Remote Access:** all the subscribed e-journals are made remotely accessible via Knimbus. Hence, registered one can uninterruptedly browse the content from their residence or hostel at any time.
- **Reference section:** the reference section is serving the users with special collection like books on competitive examinations, dictionaries, handbooks, standards and etc. which will inspire the users to study inside the library premises.
- **Magazine section cum reading room:** a separate section which can accommodate 16 students has been established for the benefit of user community. Students can come and study in a peaceful atmosphere for magazine reading and study preparatory works.
- **CD’s:** CD’s accompanied by text and reference books are available for patron’s use. CDs on interview skills, mock test and personality development skills are also available.

**Activities held during 2015-16 and 2016-17**

1. Five days faculty development programme was conducted on “Emerging trends in e-resources management and services” during August 2015.
2. Two days workshop was conducted on “Digital content development and management” during July 2016 to enhance the IT knowledge of library professionals.
REPORT ON ISTE CHAPTER ACTIVITIES.

The ISTE Student chapter of the college bagged the Best Student Chapter Award in Karnataka section for the year 2016. It is pleasure to recall that the Student chapter bagged it for the 3rd time. Chapter Chairman Dr. B.S.Shivakumara, Secretary Sri. M.Shankaregowda, Joint Secretary Dr. Aluregowda, Sri. M.A.Venugopal, Student chapter chairman Sri.M.K.Yathish and Sri. M.Srinivas received the “ISTE Best student chapter Award” at 19th ISTE Karnataka State Faculty Convention held at Sai Ram college of Engineering, Anekal, Bangalore on 3rd November 2016. It is also important to note that ISTE Faculty chapter was also twice honored as the best ISTE Faculty Chapter Award of Karnataka Section during the year 2008 and 2013.

ISTE Chapter celebrated “ISTE day” on 10th May 2017. Principal Dr. V. Sridhar inaugurated the celebrations by lighting the lamp. Dr. C.K. Subbaraya, Chairman, ISTE, Karnataka section spoke on “Role of ISTE in promoting Digital India” on the occasion. Dr. Suesh H.S Advisor, Youth Red Cross, Karnataka spoke on “Swachchatha Andolana”. Smt. Meera Shivalingaiah, Chairman, Indian Red Cross Society, Chapters appreciated the efforts of faculty members and student members and honored them by presenting mementoes. Prizes were distributed for the winners of “Essay competition”, “Impromptu speech”, “Singing competitions”, “Debate competition” and “Quiz competition” on the same occasion. Prizes were also distributed for the winners of Anthakshari and Essay competitions organized for the high school students of the summer camp (organized at P.E.S College of Engineering).

Technology Barrier Reduction program is a summer internship for rural high school students sponsored by Foundation for Advancement of Education and Research (FAER) Funded by Zebra Technologies Ltd, India and organized by P.E.S College of Engineering, Mandya. This internship intends to select 30 students from rural high schools from Mandya district and provide them three weeks summer internship. The main objectives of TBRP are to provide exposure of a good institution to students of rural high schools. There are primarily three components of program- To provide a reasonable exposure to language – speaking, reading, writing and watching; To provide exposure to some aspects of mathematics and science; To bring familiarity of some gadgets and ways of living in an institution including several normal function like eating in a mess, using libraries, living in a hostel, etc. Our College was selected to conduct this programme by the FAER in the Year 2012. Fifth time, the TBRP-2017 has been conducted by the college with objective of public service, especially with the intention of serving the disadvantaged group. TBRP- 2017 was inaugurated by honorable Chairman of P.E.T® Dr. H.D. Chowdaiah. Director P.E.T institutions Dr. Ramalingaiah, Principal Dr. V. Sridhar and Vice Principal Dr. H.V. Ravindra, Faculty Coordinator Dr. B.S. Shivakumara and Programme Coordinator Mr. M.A. Venugopal were present on the occasion. ISTE chapters and Youth Red Cross wings of PESCE joined their hands in conducting activities for the internship like Red cross, Blood donation and Fire Awareness programs, Personality development and First Aid training programs, Singing, Quiz and Essay competitions.
REPORT ON TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

TEQIP Phase-II, Sub Component 1.1

Technical Quality Improvement Program (TEQIP Phase-II) Project Planning was initiated during 2010 by Principal, PESCE Dr. V Sridhar and Dr. H V Ravindra, Professor & TEQIP Coordinator. At first stage the planning started with identifying the SWOT and Training Need Analysis (TNA) by the respective department heads and the faculty. The Institution Development Project (IDP) report was prepared for strengthening the infrastructure, academic improvement and employability of the students and enhancing the research activities.

The TEQIP Phase-II, IDP application was filed in 2010 for Rs.10.00Crores to MHRD. After the project proposal was sanctioned, MOU was signed with NPIU and Government of Karnataka on 27.07.2011.

The main objectives of the project are:

- Modernization of existing laboratories by processing state of the art equipment.
- Enhancing teaching and technical capabilities of the faculty and staff members by qualification upgradation and pedagogical trainings.
- Starting of new PG programmes and establishing the necessary laboratories.
- Enhancement of R&D and consultancy activities.
- Enhancement of activities like workshops, seminars, conferences on advanced topics of technology and supporting the participation of staff members in these activities.
- Supporting technical staff members to attend training courses for skill enhancement and qualification up gradation.
- Enhancement of learning resources by procuring advanced volumes of technical books and journals and getting subscription to e-libraries.
- Establishing MOU with Industries.

The TEQIP Phase–II Team

<table>
<thead>
<tr>
<th>Role</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Dr. Ramalingaiah, Director</td>
</tr>
<tr>
<td>Director</td>
<td>Dr. V Sridhar, Principal</td>
</tr>
<tr>
<td>TEQIP Coordinator</td>
<td>Dr. H V Ravindra, Professor</td>
</tr>
<tr>
<td>TEQIP Officer Finace</td>
<td>Dr. K. Narasimhachary, COE</td>
</tr>
<tr>
<td>Nodal officers - Procurement</td>
<td>Dr. S.L Ajith Prasad and Dr. A. C. Kiran Kumar</td>
</tr>
<tr>
<td>Equity Assurance Plan</td>
<td>Dr. K A Radhakrishna Rao</td>
</tr>
<tr>
<td>Academic Activities</td>
<td>Dr. Gopisiddappa</td>
</tr>
<tr>
<td>Civil Works</td>
<td>Sri. JayashankaraBabu</td>
</tr>
</tbody>
</table>

TEQIP Phase –II Office Team

<table>
<thead>
<tr>
<th>Role</th>
<th>Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-ordinator I I C</td>
<td>Dr. Girisha R</td>
</tr>
<tr>
<td>Assistant Procurement Officer</td>
<td>Mr. K Ravi</td>
</tr>
<tr>
<td>Data Entry Operator</td>
<td>Mr. Mahesh M S</td>
</tr>
<tr>
<td></td>
<td>Ms. Shivashantha K</td>
</tr>
<tr>
<td>Accountant</td>
<td>Mr. Sathyarayarana</td>
</tr>
<tr>
<td>Office Attendant</td>
<td>Mr. Y H Nagaraj &amp;</td>
</tr>
<tr>
<td></td>
<td>Mr. Gopal Raju</td>
</tr>
<tr>
<td>Objectives</td>
<td>Outcome</td>
</tr>
<tr>
<td>------------</td>
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</tr>
<tr>
<td>Implementation of Institutional academic reforms</td>
<td>Restructuring the curriculum in accordance with the demand of the industry</td>
</tr>
<tr>
<td>Examination reforms</td>
<td>CIE, SEE, Make-up Examination, introduction of Grading System, Transparency - Student satisfaction</td>
</tr>
<tr>
<td>Modernization and strengthening of existing labs</td>
<td>Improvement in teaching, learning and training facilities</td>
</tr>
<tr>
<td>Faculty Development program</td>
<td>Improving teaching and learning outcome</td>
</tr>
<tr>
<td>Enhanced interaction with Industry</td>
<td>Better employment opportunities</td>
</tr>
<tr>
<td>Institutional Management Capacity enhancement</td>
<td>Good governance practices</td>
</tr>
<tr>
<td>Enhancement of Institutional Infrastructure</td>
<td>Providing campus network and internet facility to the students and staff. Refurbishment of CAD lab, Seminar halls</td>
</tr>
<tr>
<td>Library facility</td>
<td>To improve knowledge base of the students</td>
</tr>
</tbody>
</table>
**Achievement of the Institution under TEQIP Phase-II**

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Outcome</th>
<th>Achievement</th>
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<tbody>
<tr>
<td>Academic support for weak students</td>
<td>Improve the transition rate of the students</td>
<td>Bridge courses, soft skill development programs, remedial classes have been organized to academically weak students in order to enhance the transition rate.</td>
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<tr>
<td>Up grading faculty Qualification</td>
<td>Improving teaching and learning outcome</td>
<td>From 2011 onwards</td>
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<tr>
<td></td>
<td>Enhancement in Research and development activities</td>
<td>? Around 30 faculty members have registered for Ph.D. Program</td>
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<td>Improvement in consultancy activities</td>
<td>? 15 faculty members acquired Ph.D. qualification.</td>
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<td>? Another 05 faculty members are expecting Ph.D. degree by the end of 2016.</td>
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<td></td>
<td>? Around 1001 publications in national and international journals/conferences have been published (590 +411)</td>
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<tr>
<td>Industry-institute Interaction</td>
<td>Enhancement of Industry-institute Interaction for Faculty, Staff and Students</td>
<td>Training Undergone at Industries like-BOSCH, EICHER, COREL Technologies, GLOBAL EDGE, KSRTC, VIBRANT Technologies, etc……</td>
</tr>
<tr>
<td>Professional Body memberships</td>
<td>SAE, IEEE, ISTE, CS &amp; I, GLUG, Google Students Club, ISHRAE, BAI.</td>
<td>Opportunities to excel students academic and extracurricular talents, like ISTE State and National Best Chapter, Best Chairman…</td>
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<tr>
<td>Enhancement of Intake</td>
<td>Increase in Intake of Under Graduate Courses</td>
<td>E&amp;C – 60 To 120 Intake enhancement</td>
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<td></td>
<td>Civil – 90 To 120 Intake enhancement</td>
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<td></td>
<td></td>
<td>Mechanical – 90 To 120 Intake enhancement</td>
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</table>

Observing the success of the implementation of the phase II of the TEQIP, Government of India has selected the college for the implementation sub-component 1.3 of Phase III of TEQIP. This phase has assigned the duty and responsibility of arranging twinning with one of the developing institutions in India and guiding, supporting and helping that institution in the areas of skill development, Technical training and Research. For twinning purpose, the government has selected Uma Nath Singh institute of Engineering and Technology of Uttar Pradesh. In next three years, our college is putting effort for the overall development of that institution by utilizing funds of TEQIP phase – III and able Mentoring.

Recently MOU was signed by Sri. JawidAkathar, Principal Secretary, Department of Higher education, Karnataka state at Bangalore for the implementation of phase of TEQIP phase-III in the college. Director Technical Education Sri. H.U.Talawar, College, TEQIP Board of Governors Chairman Dr.Ramalingaiah, Principal Dr.V.Sridhar and Vice Principal Dr.H.V.Ravindra were present on that occasion.

P.E.S College of Engineering Principal Dr.V.Sridhar and Dean of Uma Nath Singh institute of Engineering and Technology institutions Dr.Brij Bihari Tiwari signed a Twinning agreement at New Delhi on 22nd July 2017.
TIE-UPS WITH FOREIGN UNIVERSITIES

Binghamton University, USA- A world-class institution established in the year 1946 and located in the high-tech heart of New York State of USA. Binghamton University (BU) is one of the premier public universities in the north east. BU offers students broad, interdisciplinary education with an international perspective and one of the most vibrant Master and Doctoral (research) programs. Ranked 10 among the elite public universities in the country, Binghamton challenges students academically, not financially, in its unique, best-of-both-worlds environment.

On 24th May PES College of Engineering, Mandya signed a MOU with Binghampton University, state University of New York, USA at the University campus of Binghampton, New York, USA. The president of Binghampton University Dr. Harvey Stenger and Dr. V. Sridhar, Principal of PES College of Engineering signed the MOU agreement. During the signing the agreement, provost of the University Dr. Don Nieman, Dean, Prof Hari Srihari and Dr. H. V. Ravindra, Vice Principal of PESCE were present. The Binghampton University will actively participate in designing Curriculum of PESCE, doing joint Research, Promoting faculty and students exchange program, twinning master executive degree and certificate programs.

P.E.S. College and Binghamton university will broadly explore avenues for cooperation in I) Student and faculty Exchange, ii) short courses, iii) Joint Research and Workshops, iv) Exchange and sharing of research and teaching ideas, v) Ph.D co-advising and vi) other Academic Exchanges.
A BRIEF REPORT OF 7th GRADUATION DAY

Dr. P S Puttaswamy
Dean (Academic Affairs)

In the 2015-16, 910 (UG - 709/PG - 201) students graduated from the Institute. In order to commemorate the event, 7th Graduation Day was conducted on 3rd September 2016, in the college campus. Professor H P Khincha, IISc.(Retd.), Advisor, Former Vice Chancellor, VTU Belagavi, was the Chief Guest for the Graduation Day. He delivered the Graduate Day Address and presented the Medal to toppers. Dr. P S Puttaswamy, Dean (Academic Affairs), presented the list of Rank holders to the Chief Guests. Dr. K. Narasimhachary, Controller of Exams read out the list of degree conferred.

Gold Medals were presented to all the 8 UG and 8 PG Toppers. All toppers of Post Graduate programs were awarded Dr. H.D.Chowdaiah Merit Award. Special Endowment Awards were given to

- Anusha.S. CGPA-9.56 (BE-E&CE), Lady Topper in Electronics and Communication Engineering
- Lokesh.M.S. CGPA-9.39 (BE-I&PE), Overall Topper in Mechanical Engineering Sciences
- Madan Gowda.N. CGPA-9.70 (BE-CE), Overall Topper in Civil Engineering Sciences
- Abhishek.N.C. CGPA-9.41 (BE-CS&E), Overall Topper in Computer Science & Engineering
- Manusimha.P.N. - 85 marks out of 100 (BE-I&PE), Topper in Work Study & Ergonomics;
- Spoorthi.M.N.- 396 marks out of 400 (BE-E&CE), Topper in Engineering Mathematics;
- Suhas Gowda.C.-191 marks out of 200 (II BE-CE) Topper in Surveying.
A BRIEF REPORT OF 8th GRADUATION DAY

Dr. P S Puttaswamy
Dean (Academic Affairs)

In the year 2016-17, 899 (UG - 692/PG - 207) students graduated from the Institute. In order to commemorate the event 8th Graduation Day was conducted on 12th August 2017, in the college campus. Dr. Rangaraj M. Rangayyan, Professor Emeritus of Electrical and Computer Engineering Schulich School of Engineering, University of Calgary, Calgary, Alberta, Canada, was the Chief Guest for the Graduation Day. He delivered the Graduate Day Address and presented the Medal to toppers. Sri K S Raju, Chairman of the Nagarjuna Group, Andhra Pradesh, was the Guest of Honor for the Graduation Day. He addressed the graduates and distributed the provisional degree certificate to the graduates. Dr. P S Puttaswamy, Dean (Academic Affairs), presented the list of Rank holders to the Chief Guests. Dr. K. Narasimhachary, Controller of Exams read out the list of degree conferred.

Gold Medals were presented to all the Nine UG and Eight PG Toppers. All toppers of Post Graduate programs were awarded Dr. H.D.Chowdaiah Merit Award. Special Endowment Awards were given to

? Naganandan M S CGPA-9.29 (BE-ME), Overall Topper in Mechanical Engineering Sciences;
? Sudhara CGPA-9.70 (BE-CE), Overall Topper in Civil Engineering Sciences;
? Vidyashree H K CGPA-9.17 (BE-CS&E), Overall Topper in Computer Science & Engineering;
? Sahana S - 89 marks out of 100 (BE-I&PE), Topper in Work Study & Ergonomics
? Sowjanya T S - 383 marks out of 400 (BE-E&CE), Topper in Engineering Mathematics
CULTURAL ACTIVITY - JNANA CAUVERY-A COLLEGE CULTURAL FESTIVAL

Events organized by PES cultural Organisation during 2015-16

**Day 1** was started with inauguration of fest by Principal Dr. V. Sridhar. Events organized on this day were Marathon, Green PESCE (go green campaign), Janapadha jaatha (procession of traditional art forms), Inaugural function of cultural events, State level dance competition.

**Day 2** was stared with departmental events followed by PES got talent and Musical night by Raghu dixith in the evening.

**Day 3** was started with Ethnic day celebration followed by DJ night and Ramp nights (fashion show) in the evening.

Events organized by PES cultural Organisation during 2016-17

**Day 1** was started with inauguration of fest by Principal Dr. V. Sridhar. Events organized on this day were Marathon, Inaugural function of cultural events in the evening followed by State level dance competition and Musical night by SaReGaMaPa TV show singers.

**Day 2** was stared with departmental events from morning till evening followed by PES got talent and Musical night by Chandan shetty.

**Day 3** was started with Ethnic day celebration followed by DJ night and Ramp nights (fashion show) in the evening.
CULTURAL ACTIVITY - JNANA CAUVERY-A COLLEGE CULTURAL FESTIVAL
Civil Engineering Department Students (2014-18 Batch)

Civil Engineering Department M Tech Students

Computer Science & Engineering Department Staff
Computer Science & Engineering Department Technical Staff

Computer Science & Engineering Department Students (2013 - 17 Batch)

Computer Science & Engineering Department Students (2013 - 17 Batch)
Electronics And Communication Engineering Students (2014 - 18 Batch)

Electronics And Communication Engineering M Tech Students

Electrical And Electronics Engineering Department Staff
Industrial & Production Engineering Department Students (2014 - 18 Batch)

Mechanical Engineering Department Staff

Mechanical Engineering Department Technical Staff
Mechanical Engineering Department Students (2013 - 17 Batch)

Mechanical Engineering Department Students (2014 - 18 Batch)

Mechanical Engineering Department M Tech Students
Credit Co-Operative Stores Members

Teqip Team

Training & Placement
IDENTITY

Identity cannot be found or fabricated but emerges from within when one has the courage to let go. Identity, basically it’s a noun which means the condition of being oneself. If a new baby is born, the next minute its caste, religion, gender, color, nationality etc., will be decided and will already have an identity (society’s perception) but that’s not the true meaning of identity. Identity is not some tool or grocery or a thing that can neither be purchased nor given by others. We often hear that we should create our own identity. Does that mean a person has identity only after they create it!!!

Let me just tell you all a beautiful story. There was a balloon seller. He always used to sell white colored balloons. His business was going down day by day. One day he got an idea to fill the balloons with nitrogen which makes it float. Next day he put an advertisement that stated “magical floating color balloons”. Children were so excited thinking that the color is the reason for the balloon to float. One day balloon seller was left with one white balloon. A kid came to the shop and started crying because he thought that there were no magical floating balloons. Then the balloon seller told the kid that “it’s not the color of balloon that makes it float, it's what inside it makes that float”. Our identity is just like that nitrogen which is the reason for floating balloon. And the color is just what society thinks we are (illusion).

Identity is supposed to be oneself. Nowadays identity is something given by others. Some might think you are good and some don’t. But what others think is none of your concern. Nobody knows what you are going through in your life so why do you have to struggle for identity when you already have one. Your identity is you, being you, being true to yourself, being the best version of yourself. Let them criticize you, underestimate you, judge you, hate you because none of that shows who you are, it shows who they are.

EDUCATION v/s WORK SKILLS

Indian education scenario today is facing uncertain catastrophe of engineering fiasco. Every year, approximately 7,080 colleges and universities in India busily churn out millions of graduates. 20-33% out of 1.5 million engineering graduates passing out every year run the risk of not getting a job at all, points out the Economic Times. For those who do, entry level salary is pathetically low and gets ceased at that level for the last eight-nine years, meanwhile the inflation results in dramatic hike of prices of general livelihood during the same period. As a result of unemployment few of the wealthy graduates flock abroad to study and few in search of alternate opportunities.

So the question now arises why many industrial leaders and other employers complain about the deficit of analytical or quantitative skills or about the skills gap among the engineering graduates asserting that they can’t find qualified candidates to fill position. To prevail the answer to the above question let’s focus on Indian education system. We need to analyze
whether the education is quantized or quality education is induced among students. As we all know about the same course structure for first year students of India despite of different streams (ISE, CSE, MECH, CIVIL, etc). It is necessary to impart basic fundamentals of engineering which is common to all and will be required in successive years. But as semester passes by, the streams become specific and the related subjects become theory oriented rather than the concept of Experiential education “learning through experiences”. Now learning by experiences doesn’t only means the laboratory work, it means familiarizing the students with the current situation of engineering challenges faced globally and making them tackle these situations through different projects, case studies, presentations, live model solutions to those problems with exposure to innovative ideas, exposure of students to industries prior to their graduation etc.

At Wharton Reimagine Education conference in Philadelphia, representatives from Google, EY, IE Business School and others tackled the question- What do employers want? NunzioQuacquarelli, founder and managing director of Quacquarelli Symonds, a global provider of specialist higher education and career information and solutions moderated the discussion. He asked the panelists if they thought today’s higher education institutions were developing graduates with the skills employers need. “That may not be the right question,” said Jake Schwartz, the CEO of General Assembly, a New York-based global educational institution that Schwartz described as “the largest coding boot camp in the world” and which runs courses in design, marketing, technology and data.

So the question reformed by Jake Schwartz is “Is it higher education’s mission to prepare people for the skills they need in an up-to-date fashion?” Obviously one would posit that most people involved with higher education institutions would say no, or not in a direct sense. This is considered to be the first problem in disconnect between the academia and the working world.

Now-a-days Indian Engineering colleges are trying to relate the working world to academia but only a few initiatives are taken to provide education related to the working world i.e “what is the trend today in the corporate world ?”, “what are the new challenges with the goods and services industries and their marketing implications ?” etc. But is it sufficient to just introduce the subjects related to today’s demand and not imparting proper education and skills required for those subjects. No, by only introducing new courses matching present trend doesn’t impart proper knowledge and hence working skills remains unimproved. One should impart necessary knowledge and related skills by all the means they can and it should be more practical than theoretical with no worries about completion of the syllabus.

Apart from knowledge what graduates gain through engineering institutes or universities, one should focus on improving their interpersonal skills, social skills, cross cultural skills. It comes under liberal art education. Role of the universities should not only be viewed just in terms of preparing graduates for the labour market, but also in terms of developing the full, integrated personality of [an individual].The liberal arts curriculum which is prevalent in US has done a fantastic job, and should be one of the experiences adopted elsewhere.

What employer’s value, Robert Lytle, managing director and co-head of education at Parthenon-EY, said that a liberal arts background is actually what most employers are seeking in job candidates although they don’t always realize. Often, they can’t really articulate what they’re looking for, but they will come back to you and say critical problem-solving skills, group ability and communication skill.

Although employers may value those capabilities but employers have some big issues with a liberal arts education. According to them one big issue is that a liberal arts education doesn’t prepare candidates sufficiently with job-specific skills. Employers will often say: “I need a
little more depth on specific entry-level capabilities. If you’re going to come to me as an accountant, you actually need to know accounting.”

So to get good knowledge for a job-specific skill engineering graduates can go for internship programs either paid or unpaid. It is problem for few of under graduates to go for an internship with extra expenditure on accommodation and travelling far away from college. So, engineering institutes should try to focus on imparting job specific skill based practical education.

MBA program is one of the solutions for getting job-skills employers are looking for but some of the employers suggest gaining few year of work experience first. But there are many business schools in the shakiest position these days may be mid-tier ones that are still following the costly two-year model but cannot promise a plum job at the end. Undergraduate programs should learn from MBA programs about how to connect with employers early on.

HOW DOES IT FEEL LIKE TO TRAVEL? ANOOSHA VENKATESH Dept. of IS&E

“Travelling” means going from one place to the other place which is actually a stress-buster where you really enjoy and have fun. Meeting new people, visiting all amazing places, tasting food, beaches, rides, drives can never be boring. The running river, the sunset, the beach view, the waterfalls, scenery, historical places and the cool breeze are truly mesmerizing.

The feeling is real. An adventure where you can be yourself and explore new stuffs is very much exciting. But travelling with eyes wide open and mind fully, gives complete knowledge.

It makes a person Smart and also self-reliant. The education of a student remains incomplete without travelling. Every time you travel and explore, you have a different experience, where you learn something new.

TAKE OUT YOUR CARS AND BIKES, PACK YOUR BAGS, SET OUT TO TRAVEL, EXPLORE AND FEEL THE OUTER WORLD!!

You are never too old to travel and no place ever gets boring.

LAZINESS WILL SEND US TO AN EARLY GRAVE AKSHAY M Dept. of IS&E

Humans are Designed to move, not stay still Millions of years Hunting, Farming and intense manual labor have shaped our bodies to their current form. But, suddenly we have found ourselves in an era where Science and Technology have undoubtedly made our lives easier. Our lives are full energy saving devices, from ready meals to remote controls, all designed to make our lives easier.

When we hear the speech on laziness from famous persons, the first thought come into mind is lazy peoples are more creative than others but the real fact is Laziness is leading to failure, Laziness will send us to an Early Grave. Laziness has negative effects on a person’s
personal and professional life. Laziness can prohibit important things from getting done, such as paying bills, turning in assignments on time and failing to meet deadlines.

It is unfortunate but a result of our increased leaps in technology and modern society has also led to a rise in Laziness. In a fact, a recent survey, 78% of Americans do not meet the daily requirements for physical activity and 95% of UK population is not even doing the minimum amounts of physical activity. Whether Slim or Fat, a person leading a sedentary lifestyle has similar chances of dying at young age. Yes, physical inactivity has its price tags. It is linked to the development of chronic health problems like heart disease, obesity, depression, and dementia. It can make us feel bad about ourselves, guilty and frustrated. Everyone expect comfort Zone. Laziness is not a medical condition. It is not listed anywhere in a doctor’s handbook anywhere. It is a tag we humans give to other humans, and hence, it is not real at all. Laziness is a Myth!

Awareness, Understanding and Recognition of this major problem will help us all to contemplate behavior and environmental change with unusually welcome green outcomes.

WHY EDUCATION FAILS?

As far as, we can remember, we are taught, if not preached, the importance of education. It is said doing well at school is the primary, in our case of the Indian education system a prerequisite for doing well in life. We bought into this idea because we reasoned that if it were being so widely spoken about it must be true. Very few of us rarely wondered or questioned the validity and originality of this idea. We might have given into this methodology of thinking the validity and originality of this idea. We might have given into this methodology of thinking words were uttered by a loved one, a guardian, a teacher or even perhaps a charismatic stranger on the Internet. We were deceived into believing conversely due to the blind trust, just simply a religious faith in others or the fear of judgment of originality of one good self.

Very few, if not none of us were in love with the ‘A’ grade, we pursued this lust for two main reasons. One, it guaranteed a temporary reward in the form a tap on the back, rub on the head, kiss on the cheek or an ice-cream from those who really didn’t care for the ‘A’. Secondly, it made a false and distant promise of a successful career, a pleasant house and respect of others. But, this superficial thirst for the misleading A’s perished one fine day. As this was the day we grew up to realize that most often than it seems entirely reassuring something entirely reverse of it happens. And that life seems to reward those who flunked in school than to those who believed themselves to be entitled. It insults the sense of logic and moral entitlement to see that those who were titled “The Teacher’s pet”, “The best Boy/Girl in class” are ultimately entitled to almost nothing. So, why is it that the path, so widely regarded to have been proven, seems to lead us to the gutter?

It gives us a sense of justifiable comfort in knowing that the curriculum of the modern education system is a culmination of all the random theories and practices drawn from the medieval churches to the modern European educationalist. As we witness it today, education seems to presents itself to us as an ugly, broken, and disintegrating sculpture of a profoundly powerful angel tampered by far too many hands of the unskilled artists. These artists come
across as ill-equipped to design and deliver the soul for the sculpture stands for. They seem to be referring to the wrong idea of education. And even more horrifying to know that they are blind to the two most essential qualities that education promises to offer- Love and Duty.

Education teaches us to measure the angle between two lines, how fluently to speak French, count the bits in bytes...etc. Rather than teaching how to love the humankind, form meaningful relations for work and in person. And most importantly love for one-self in order to perform the duties one has to perform for humankind. We have been taught to raise our hand for an answer rather than to question. We have learnt to please the authoritarian rather than to be one, to blindly accept the proven than to test its proof, to be respectful to life as it is than to change the way it is.

In order for change, we are called upon to do one simple task. And that is to do nothing at all. As cruel as it may sound this sculpture is beautiful in all its ugliness. But, the only thing we can really do is realize that what we are being taught and learning is not all that there is.

A LIST OF ABRAHAM LINCOLN’S FAILURES

- Lost job, 1832.
- Defeated for legislature, 1832.
- Failed in business, 1833.
- Elected to legislature, 1834.
- Sweet heart (Ann Rultedge, wife) died, 1835.
- Had nervous breakdown, 1836.
- Defeated for speaker, 1838.
- Defeated for nomination for congress, 1843.
- Elected to congress, 1846.
- Lost renomination, 1848.
- Rejected for land officer, 1849.
- Defeated for senate, 1854.
- Defeated for nomination for vice president, 1856.
- Again defeated for senate, 1858 but…
- Finally elected president of America in 1860.

CHANCES OF SUCCESS

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<th>I WON’T</th>
<th>I CAN’T</th>
<th>I DON’T KNOW HOW</th>
<th>I WISH I COULD</th>
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<th>I THINK I MIGHT</th>
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<th>I THINK I CAN</th>
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What is success?

Success is falling nine times and getting up ten.
SUCCESS Depend on the second letter “U”
See your goal
Understand the obstacles
Create a positive mental picture
Clear your mind of self doubt.
Embrace the challenge.
Stay on track.
Shoe the world you can do it.
From local market to mumbai market peoples are discussing about the GST, in the global community and international media they are talking about GST. Now analysing from the roots of this bill we have some facts.

GST [the goods and service tax] bill, officially known as the constitution bill [122nd amendment] 2014, proposes national value added tax [Vat ].

The GST concept started first in the year 2000 by them Atalbihari Vajpayee, that they pass the bill but it has some demerits, that’s why the government can’t able to enroll to all states, even after this government UPA government pass the same bill but the proposed deadlines extended year without any headway. The bill was passed by majority of the members of parliament except one south Indian regional party.

Coming to the analytical part, GST will convert the country in to the unified common market replacing most indirect and hidden taxes with one tax is an indirect tax leaved when a consumer buys a good or service. India’s current tax scenario is riddled with various indirect taxes which the GST aims to lumsome with a single pan India comprehensive tax by bringing all such taxes under a single umbrella. It has dual structures.

**GST merits and benifits**

Biggest benefit will be that multiple taxes like action, central sale tax, state sales tax, entry tax ci cense fees, turnover tax etc., will no longer be present and all that will be brought under the GST. Doing business now will be easier and more comfortable as various hidden taxation will not be present. GST is an icionic example of “co-operative federalism”. The states agreed to give up their right to improve sales on tax on goods (VAT) and the centre gives up right to improve excise and services tax. In exchange they will each get a share of the unified GST collected nationally. The GST will reduces the average tax burden and production cost incurred by companies. Exports will become the competitive, simplifies tax structure, modern the tax bar and create a common marks across states this will increases India’s tax to GDP ratio.

**GST’s disadvantages and negative impact**

- Services will become expensive telecom, banking, airline etc.
- Being a new tax it will take some time for the people to understand its implication.
- There are always some complications attached it is a consumption bared tax, so in case of services the place where service is provided needs to be determined.
- If actual benefit is not passed to consumer and seller increases his profit margin, the prices of goods can also be a rising trend.
- If the GST rate is higher than the state has the inflationary impact.
- The main disadvantage is that tax on services is likely to go up to the beyond and as feared by manufacturing states such as Maharashtra, Gujarath and Tamil Nadu is that they will be a major chuck of revenue earned from taxes on manufacturing.
- Since the tax structure will be uniform in the central nation, states that traditionally attract instruments may now lose since manufacturing may turn to other states as well.
• Alcohol for human consumption has been exempted from the purview of GST.
• GST in India would impact negatively on the real estate marked at would add up to 8 percent.

Effects on IT and other companies

It will be beneficial for Indian companies as the average tax burden on companies will fall. Reducing production costs will make exports more competitive and aggressive. The most important reform for India, whether it is for our group, for India generally or for most business will be the goods and services tax. It will add about 2% to India’s GDP growth. GST will put direct or indirect effect on the ‘MAKE IN INDIA’ and ‘DIGITAL INDIA’ project. The petroleum products, alcoholic beverages, high speed diesel are excluded from GST. In 1954, France was the first nation to adopt GST. Even after half century less number of nations adopted GST. However GST is a long term strategy and the positive impact shall be seen in the long run only this can happen if GST is introduced at nominal rate to reduce the overall tax of the final consumer.

AKHIL N PODUVAL
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EUTHANASIA

Euthanasia is a term that is broadly used for the process of physician assisted suicides. This generally happens when a person is having a terminal illness, and chances of survival are almost nil. It has three types, voluntary, involuntary, and non-voluntary. Voluntary euthanasia is concerned with the people undergoing the suffering themselves, where they decide their death. This practice is legally regulated in many countries. In the other two conditions, the kith and kin of the patients decide for them, when they might be in conditions like a coma.

The problem with this generally starts from the fact that there is a difficulty in framing rules to govern it. The conditions as to where this practice may be employed are tough decisions to make, because suffering of one person might be entirely different from what another thinks suffering is. Adding to this trouble is the risk of this framework to be misused. The relatives of a patient might use euthanasia as an easy tool in order to kill that person and lay their hands on his/her wealth and property.

What we need here, is a broader outlook towards this practice, the ability and responsibility to decide where it is necessary and where it is not. Rules and regulations will always be there, but it’s up to a person’s thoughts as to how he/she should treat loved ones. In conditions where the further days of life for a person can only mean a perpetual state of suffering, euthanasia can act as a savior, relieving them of it. In cases where, better treatment is available, and euthanasia is being misused, there exists a situation for stringent action.

Keeping all of this in mind, the emotional front to it can also not be omitted. When a very dear person is affected, the concerned people would most likely fall into an emotional dilemma as to what decision is to be taken, and in these cases the love towards that person should take the foreground. So for the bottom line, I strongly feel that this practice when used appropriately can serve as a healthy means of saving a loved one from unnecessary suffering.
THINGS ABOUT ENGINEERING

1. “Engineering is not only study of 45 subjects, But it is moral studies of Intellectual life”.
   - PrakharSrivastav

2. “One man’s ‘Magic’ is another man’s engineering”.
   - Rober A Heilein

3. To the optimist, the glass is full.
   a. To the pessimist, the glass is half empty.
   b. To the “ENGINEER”, the glass is twice as big as it needs to be.
   - Unknown

4. “What we usually consider as impossible are simply Engineering”.
   - MichioKaku

5. Airplanes are not tools for war.
   a. They are not for making money,
   b. Airplanes are beautiful dreams,
   c. “Engineers turn dreams into reality”.
   - HayaoMiyazaki

6. A good scientist is a person with original Ideas. A good Engineer is a person who makes a design that works with as few original ideas as possible.
   - Freeman Dysan

7. There are 3 types of students
   a. Some make wonders happen
   b. Some watch wonders happen
   c. Some wonders What happen?
   - Donno

TOP 10 FORMULAS FOR SUCCESS

1. “If A equals success, then the formula is A=X+Y+Z with X being work, Y play, and Z=keeping your mouth shut”
   - Albert Einstein

2. “Would you like me to give you a formula for success? It’s quit simple, really. Double your rate of failure. You are thinking of failure as enemy of success. But it isn’t at all. You can be discharged by failure or you can learn from it. So go ahead and make mistake. Make all you can. Because that’s where you will find success”.
   - Thomas J. Watson

3. Success comes down to hard work plus passion, over time”.
   - Stanley Tang

4. “Seventy percent of success in life is showing up”
   - Woody Allen

5. “To succeed in life, you need two thinks; ignorance and confidence”.
   - Mark Twain

6. “Patience, persistence and perspiration make an unbeatable combination for success”.
   - Napoleon Hill

7. “For true success as yourself these four questions: why? Why not? Why not me? Why not know?”
   - James Allen
8. Success means “take up one idea, make that one idea your life: think of it, dream of it, even on that idea. Let the brain, muscles, nerves every part of your body, be full of that idea, and just leave every idea alone, this is the way to success”. - Swami Vivekananda
9. “Success = A optimist in thought + A pessimist in action”. - Unknown
10.“Success is simple, do what’s right, the right way, at the right time”. - Arnold H. Glasgo

ARTIFICIAL INTELLIGENCE V/S FUTURE JOBS

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Dept. of IS&E

Introduction

An average professional in India spends a minimum of 8 hours a day and 6 days a week at work, adding up to almost 100,000 hours of his or her lifetime! Despite this substantial investment of time, there are common challenges – from unfair practices, to burnout, to boredom – that almost every worker faces.

In India, particularly in smaller companies, employees – some of whom work for 11 hours a day – are not paid overtime. Extensive workloads, especially on managers, lead to high stress levels, affecting both work performance and individual health. So what is the solution?

What is AI?

Artificial Intelligence is the technology with which machines not only understand but also perceive data that is provided to them. Taking an example, normal machines work only on a set of data that the programmer has entered, but an artificially intelligent machine can generate more data from its experience, understand and comprehend this data and act accordingly. This machine acts just like a human being with the abilities to learn and think on its own.

How is this solution

In the modern era, machines are human’s best friend. And machines with a brain of their own will be twice the help. They have applications in nearly any workplace, including reducing the workload on labour and improving the efficiency and the quality of work at the same time. Imagine, for example, if everyone had a personal assistant in the form of an artificially intelligent robot – our lives could become so much easier and more organized. These assistants can not only help you manage your work effectively and efficiently by making a detailed and do-able schedule but, with their power of understanding, can also track the conditions under which you work best, and customize your schedule to optimize your happiness and work performance. Beyond scheduling, the robots can also improve work life by performing accurate health checkups, saving you the trip to your doctor. And even if you get sick, your P.A will make arrangements and even do some of your work for you. They can make your work commute more productive with self-driving cars and smart traffic maps. They can even help you in your home life by keeping stock in your kitchen and ordering groceries online as soon as one item finishes, or by overseeing your children’s homework, enabling you to be less distracted while at work.

Won’t This Reduce Jobs?

Surely not! While these robots can take on tedious, repetitive tasks like scheduling and errands, nothing is better than a human when it comes to generating new, innovative approaches and solutions. These robots will be able to work hand-in-hand with the humans at improving the
technology and creating high-tech tools for the future. Humans will still be the ones developing and pioneering new ideas in A.I., while the robots will be able to physically build the new technology with more speed and accuracy than humans. Even in fields like medicine, machines will be able to perform surgery with greater precision than doctors, but human doctors will always be the ones controlling the machines and making life-saving decisions. Though A.I may eliminate some manufacturing and factory line jobs, it will ultimately lead to more jobs in creative, consulting and technology fields, boosting the overall economy of the country.

Conclusion
Artificial Intelligence isn’t too far ahead in the future of work, and offers prime solutions to improving worker happiness, productivity, and eliminating worker exploitation. This will improve the lives of the average worker, and generate more opportunities for growth and innovation.

RAPID PROTOTYPING

What is Rapid Prototyping?
◆ It is a process that creates parts in an additive, layer-by-layer manner.
◆ A special class of machine technology that quickly procedures models and prototype parts from 3-D data, using an additive approach to form the physical models.
◆ Rapid prototyping(RP) is relatively new class of technology used for building physical models and prototype parts from 3-D CAD data.

1. Why Would You Use RP?
◆ The obvious benefit of RP is speed.
◆ RP delivers a better design communication tool, the physical prototype quickly and clearly communicates all aspects of a design.
◆ RP facilitates the early detection and correction of design flaws.
◆ The benefit of RP is confidence in the integrity of the design.

2. Growth of RP in Last 10 Years.
   **10 Years Ago:**
   • Eleven companies manufactured and sold RP machines. Four each from U.S and Japan and one each from German and Israel.
   • RP system manufacturers in total sold 157 machines worldwide.
   • Worldwide about 80 companies operated as RP service providers.
   **Today:**
   • Twenty eight companies manufactured and sold RP machines, eleven from U.S and seven from Japan, four from Germany, and one each from Singapore, Sweden and Israel.
   • A conservative estimate of more than 500 organizations worldwide had developed some facet RP equipment, software, or material technology.
   • A $1,000 prototype in 1993 now sells far as little as $150 to $350.

3. Some Examples of Usage of RP:
   • **Formula 1 Race Cars:** In England, a service provide named 3T RPD is using RP to supply parts for the Jordan-Honda Formula 1 race cars.
• **Toxicology Studies:** Doug Greenwood of Product Development Service has used DSM Somo's water clear material to model a human nasal passage for CIIT centers for Health Research.

• **Miniature Parts:** Producing very small parts, same as tiny as a red blood cell. The University of Southern California is using a process, it calls electrochemical fabrication that electro deposits nickel layer-by-layer using a masking technique.

• **Miniature Parts:** Producing very small parts, same as tiny as a red blood cell. The University of Southern California is using a process, it calls electrochemical fabrication that electro deposits nickel layer-by-layer using a masking technique.

• **World’s Smallest Robot:** Using Stereolithography, Sandia National Laboratories has built what it believes the world’s smallest untethered robot.

4. **Future of RP?**

  ? A 24% decline in system manufacturers, survival for today’s 28 RP machine manufacturers is not guaranteed.

  ? A fortune 500 companies explodes onto the stage. The RP industry will become too attractive for major players to ignore.

  ? A common tool in education, a significant plunge in the price of an RP machine will make it possible for even the most budget strapped schools to claim ownership.

  ? Intolerance for the three H’s

  HAZARDS, HASSLESS & HEADACHES

**SPARK IGNITION – AN INVENTION THAT MAKES A REVOLUTION IN AUTOMOBILE FIELD**

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Spark ignition may be regarded as the process by which a farmer uses a cattle prod to put his hand in motion. It is also the process that enables an internal combustion engine to run on gasoline.

Spark ignition works by passing on electric current through a carefully wired system and into a spark plug, which does what the first part of its name suggested by igniting the mixture of air and fuel in the chamber of the engine. This invention credit goes to the Karl benz [the co-founder of benz] he invented this technology in 1896. This development in the automobile world in which Benz was already famous for having invented the motorcar, made the gasoline fueled internal combustion engine possible. This idea was also developed by Oliver Joseph Lodge, who made a major contribution to electric spark ignition for the internal combustion engine and whose runs, early in the twentieth century developed his ideas and formed the lodge plug company which sold sparkplugs. However it was only Gottlob Honold’s later in 1902 invented the first commercially available high-voltage sparkplug as part of a magneto-based ignition system that made possible the development of the internal combustion engine.

The ability to improve the reliability of engine has made possible much of the mechanical technology that we associate with modern society.

On the other hand the Benz Company got the patent for the spark ignition. There by Benz became the pioneer to start the cars with spark ignition up to the expiry of the patent date.
Benz made a huge profit, but after this all the automobile companies include spark ignition on automobiles.

This invention played a major role in world war-1, as there was use of large military tanks to attack on enemy and it was difficult to start the engines by older method. Hence there was a preference for this on the war.

Now all the automobiles, from bike to the air jet we use the spark ignition method. Thus an invention makes a revolution in the field of automobiles there by reducing the large amount of energy which wastes for starting the automobiles.

**BEST MOM**

Guys, I saw a best mom in the world,
She never becomes good to me,
She never does bad to me,
But also she is the best, that I saw in me.

Guys, I saw a best mom in the world,
She cries when I fall,
She flies when I’m in the call,
She lives for her family which is small,
So she is the best, when I search in all.

Guys, I saw a best mom in the world,
She is calm in front of her husband,
She is bold when there is a problem in that bond,
She fights to make that covalent bond,

That’s why she is the best, to be a base of that family bond

**LIFE**

Life is not what we thought, Hurt our heart,
It will create what not we want, Whenever the chances got,
In this life that we got, Always gives a shocking test,
No one ready to accept that, Be ready at any cost,
Life is not what we thought. Life is not what we thought.

Makes the mind foolish Bart,
Kill our over smart,
To become perfect resistant,
Don't try to over write that,
Life is not what we thought.
AN INDEFINITE FUTURE

SAGAR R BHARADWAJ
Dept. of ME

Standing in the middle,
Of a huge crowded street,
I sought for the answers,
To questions discrete.

With a lot of thoughts,
Crossing my mind every second,
I stood there, motionless
As my memories started to ascend

I turn back time,
I see myself with hope,
Moving forward in an endless night,
Those feel of determination sunk in,
Reminding me of my present plight

The path ahead Of me,
Was shrouded with an unknown mystery,
A dense fog concealed the forth coming,
However ahead of it was,
A sure hot victory,

You’ll never walk alone,
Said the spirits around,
Was that enough? I wonder
As I knelt down, my knees touching to ground.

Give me the strength, O Lord
I cried out in exasperation,
“It is buried deep inside you”, he said
“Find it, my son”.

And so again
I’d to relive those darkest moments,
I could see no way,
I had been dragging my shoes along,
Tonight I’ve to bury my issues,
And walk into a new day.

Head held high, filled with exuberance,
With a new found dimension toward life,
And a career that I’ve to nurture,
I walked into the light,
Away from an indefinite future

WHEN UNSAIĐ

GANESH R J
Dept. of ME

How to repay your love, mother?
It’s resurrected,
Rhyming in heart with string quartets…
Your muscles sound decaying from all corners,
Strength immured…
I will spell my love for you,
By the wealth of thousands of kingdoms near your feet,
With all my soldiers standing,
on their knees heading down…

With all the flowers of the world,
By the chain of garlands and jewels
Phantoms are killing my soul,
Whispering with low noise your white hairs…
Tears frowning down, life slips and voids in future...
If your death is frenzied,
I will bequeath my tears in the ocean…
Hitting the shore, for some while for years…
SOMETHING NEW IN ME SILENCE IN MY VIEW

Today it was a different day from the rest It’s the word of wisdom
Everything was same Not many understand it, but all know it
Everyone were the same Many hate it in oneself
But I wasn’t the same But relish it in others
Something was new It is expressive than words, they say
Something was different but it is the climax of many stories
I wasn’t the person who I was yesterday It doesn’t harm anyone
I have no clue what it was, It’s just the sword that pierces deep inside you
Which made me feel different from the rest, I don’t know whether it is good or bad
Which made me smile all day I just know that it is dangerous
Finally I figured it out Not all have been gifted with a
It wasn’t anything materialistic power to read your silence
It was MY CONFIDENCE But you have been gifted with a
It’s something new in me, power to speak
Something different speak until you rule out your silence
Flaunt Speak until you suppress the evil,
Not all you have is to flaunt who is ruling your silence
Not all your thoughts are supposed to be right Speak for yourself,
Not all your opinions are to be considered Speak for others.
Not all will have to praise you
Not everyone has what you have
You need not to flaunt your caliber
You just got to be thankful
MAKE IN INDIA

Make in India campaign was launched in New Delhi by the Prime Minister Narendra Modi on 25th of September in 2014. It is an initiative to make a call to the top business investors all across the world (national or international) to invest in India. It is a big opportunity to all the investors to set up their business (manufacturing, textiles, automobiles, production, retail, chemicals, IT, ports, pharmaceuticals, hospitality, tourism, wellness, railways, leather, etc) in any field in the country. This attractive plan has resourceful proposals for the foreign companies to set up manufacturing powerhouses in India.

Make in India campaign launched by the Indian government focuses in building the effective physical infrastructure as well as improving the market of digital network in the country to make it a global hub for business (ranging from satellites to submarines, cars to softwares, pharmaceuticals to ports, paper to power, etc). The symbol (derived from national emblem of India) of this initiative is a giant lion having many wheels (indicates peaceful progress and way to the vibrant future). A giant walking lion with many wheels indicates the courage, strength, tenacity and wisdom. The page of Make In India on the Facebook has crossed more than 120K likes and its twitter followers are more than 13K within few months of launching date.

This national program is designed to transform the country into a global business hub as it contains attractive proposals for top local and foreign companies. This campaign focuses on creating number of valuable and honored jobs as well as skill enhancement in almost 25 sectors for improving the status of youths of the country. The sectors involved are automobiles, chemicals, IT & BPM, aviation, pharmaceuticals, construction, electrical machinery, food processing, defense manufacturing, space, textiles, garments, ports, leather, media and entertainment, wellness, mining, tourism and hospitality, railways, automobile components, renewable energy, mining, bio-technology, roads and highways, electronics systems and thermal power.

The successful implementation of this plan will help in the 100 smart cities project and affordable housing in India. The main objective is to ensure solid growth and valuable employment creation in the country with the help of top investors. It will benefit both parties, the investors and our country. The government of India has created a dedicated help team and an online portal (makeinindia.com) for the easy and effective communication of investors. A dedicated cell is committed to answer all the queries from business entities anytime.
INSPIRATIONAL QUOTES

1. One cannot collect all the beautiful shells on the beach. One can collect only a few, and they are more beautiful if they are few. - Anne Morrow Lindbergh
2. It is not the man who has too little, but the man who craves more, that is poor. - Seneca
3. When we have provided against cold, hunger, and thirst, all the rest is but vanity and excess. - Seneca
4. Wisdom is the reward you get for a lifetime of listening when you'd have preferred to talk. - Doug Larson
5. As we grow old, the beauty steals inward. - Ralph Waldo Emerson

QUOTES FROM FAMOUS SCIENTISTS

1. The good thing about science is that it’s true whether or not you believe in it. - Nell de Grasse Tyson
2. Imagination is more important than knowledge. - Albert Einstein
3. If I have seen further than others, it is by standing on the shoulders of Giants. - Isaac Newton
4. Equipped with his five senses, man explores the universe around him and calls the adventure science. - Edwin Powell Hubble
5. A man who dares to waste one hour of time has not discovered the value of life. - Charles Darwin

INTERESTING FACTS ABOUT GOOGLE

1. Google has a pet T-Rex skeleton at its HQ in California to remind its employees not to let Google become extinct.
2. Google has a vast area of lawn in its HQ and it didn’t want to spend lot of fuel for the lawn movers. So, it rents goats from a company called “California Grazing” to provide a novel solution to grass maintenance. The employees enjoy the scene of the goats grazing the lawn and this avoids pollution too.
3. Google being one of the world’s biggest data storing companies, used a container built of Lego to store its first hard drives.
4. Google is one of the very few companies which allow their employees to bring their pets along to the office.
5. Till date, no other site has beaten Google for its traffic, not even facebook.
6. The Ministry of Urban Development, India, will soon launch “Google Toilet Locator” for the benefit of the people of National Capital Region, which helps in locating the nearest toilet for use. This is an initiative of Swachh Bharat Abhiyan / Clean India Mission.
ಜನಪದ್ಗಳ ಕಂಡಿಕೆಯನ್ನು
ಅರ್ನಾದಿಯ ಅಧಿಕಾರಗಳನ್ನು
ಎಮ್ಮೈದು ಎಣ್ಣೆಯವಾಗಿ
ಲಭಿಸಿ ಬರುವ ಆರೋಗ್ಯ
ತಂತ್ರವನ್ನು ಮಾಡಲಾಗುತೊಂದು.

ಒದಗಿಸಲು ವಿಲುಪ್ತಿಯಾಗುವ
ನೀಲಗಿಡು ಮತ್ತು ನೀಲಗಿಡು
ಗುಂಡು ಭಾಗದಲ್ಲಿ ಅಕರದನ್ನು
ಲಭಿಸಿ ಬರುವ ಆರೋಗ್ಯ
ತಂತ್ರವನ್ನು ಮಾಡಲಾಗುತೊಂದು.

ಕೆರೆಯಾಚೇ ಇದು ತಾತ್ಕಾಲಿಕ
ಪ್ರಯೋಜನದಲ್ಲಿ ಅವಶೇಷಗಳನ್ನು
ಮಾಡಿ ಲಭಿಸಿ ಬರುವ ಆರೋಗ್ಯ
ತಂತ್ರವನ್ನು ಮಾಡಲಾಗುತೊಂದು.

ಎನ್ನುವದೊದಗಿಸಲು ಕಡಯುವ
ಪ್ರಯೋಜನದಲ್ಲಿ ಅಕರದನ್ನು
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ಎಣ್ಣೆಯ ಅಧಿಕಾರಗಳನ್ನು
ಲಭಿಸಿ ಬರುವ ಆರೋಗ್ಯ
ತಂತ್ರವನ್ನು ಮಾಡಲಾಗುತೊಂದು

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ಯನ್ನು ಹೀಗೆ ಮಾತ್ರವಾಗಿ
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ಲಭಿಸಿ ಬರುವ ಆರೋಗ್ಯ
tಂತ್ರವನ್ನು ಮಾಡಲಾಗುತೊಂದು.
أشخاص

ನನು ಕುಟುಂಬದ ಅಂಶ....
ಾಟಥಿಂದೆ ತಡೆಗೆ
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ನಂತರಾದನೆ, ನನು ನೇ ಮೌಳ...

ಹಾಗಳ್ನೇ

ಅದ್ಭುತವಾದ ಹಾಸ್ಯವಾದ ಕಾರ್ನಾರ್ವತ ಹಾಗೆ ನಿಂತುತು ಇಲ್ಲ ನನು ತಣ್ಣಿಲೆ ಹಾಸ್ಯಪತ್ರದಲ್ಲಿ ನಿಂತುತು ಇಲ್ಲ ತಣ್ಣಿಲೆ ಹಾಸ್ಯಪತ್ರದಲ್ಲಿ ನಿಂತುತು ಇಲ್ಲ ತಣ್ಣಿಲೆ ಹಾಸ್ಯಪತ್ರದಲ್ಲಿ ನಿಂತುತು ಇಲ್ಲ ತಣ್ಣಿಲೆ ಹಾಸ್ಯಪತ್ರದಲ್ಲಿ
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ಎಲ್ಲಾ ಸಮುದ್ರದ ಹೆಚ್ಚು ಉರುಹೆಡಿನಾ....
ನಂತರಾದನೆ, ನನು ನೇ ಮೌಳ...

ರಜೇಂಬರ್

ನನು ಹೆಚ್ಚು ಬಿಸ್ತು
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ನನು ಹೆಚ್ಚು ಬಿಸ್ತು ಹಾಸ್ಯಾತ್ಮಕ ಹಾಸ್ಯವಾದ ನೂಬಟ್ಟು ಉರುಹೆಡಿನಾ....
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ಮಾನದಿನ ಅಸ್ತ್ಯ

Dept. of IP&E