

PVG's COET is very proactive in providing every possible platform beneficiary to graduating students. The efforts are made in following ways;

1. Collaborations and MoU

2. Industry- Internship to students

3. Industry Sponsored projects

Following paragraphs give few details.

1. Collaborations and MoU: Since last five years various MoU are signed to increase collaboration and bilateral exchange of benefits with industries.

1. Asia to Japan Program

- There is MEMORANDUM OF UNDERSTANDING made PVG's College of Engineering and Technology and Hirameki Solutions, Pune-411058. This collaboration is established in 2016.
- **Objective of the Course:** The objective is to Conduct Japanese Language Courses for a **Study Go Work JAPAN recruitment program** for the students of PVG's College of Engineering and Technology and to create interest about the language and increase the employability of the students by learning Japanese language.
- **Outcome of the Course:** The objective of the Japanese Language training shall be to enable the selected students to qualify for the free trip to Japan in November/December for attending interviews with Global companies, and also to create interest about the language.
- **Content of the Course:** The course shall be designed by Hirameki Solutions. The course shall include, - Introduction to Japanese language - JLPT N5 syllabus - JLPT N4 syllabus - JLPT N3 syllabus - Preparation of interviews in Japanese - Spoken Japanese

2. Texas Instruments, India.

- There is MoU with Edgate Technologies Pvt Ltd. –University Program Partner of Texas Instruments, India. This activity is active since 2014.
- A research laboratory entitled "Texas Instruments Analog System Design Lab", with equipment worth Rs. 60,00,000/- has been established in collaboration with Texas Instruments.

- Various faculty development courses on recent technology in the field of embedded systems, communication are held.

3. Institute of Satellite Telecom Pvt.Ltd., Pune

This collaborative tie up was established for a duration of 2015- 2017, with objective of providing industrial training program of satellite communications, broadband communication and mobile communications (RF and baseband systems, digitization) for third year and final year students of Electronics and telecommunication.

4. Collaboration with OMNOVA Solutions Foundation

- This is research project activity funded by OMNOVA Solutions Foundation for Gravure printing since last 5 years, under the guidance of Prof Akshay Joshi, Printing Engineering.
- A grant of Rs US\$ 27,000 was granted in 2012 in support of research and technical advancements in the field of gravure and other ancillary developments (Procurement of equipments for gravure research and testing).
- A grant of Rs US\$ 20,000 was granted in 2013-2014 in support of research work of analysis of missing dots on PVC film project.
- A grant of Rs US\$ 19,000 was granted in 2014-2015 in support of continuation of research work of analysis of missing dots on PVC film project.
- A grant of Rs US\$ 9,000 is granted for work on 'Metallic Inks on gravure print quality', for year 2016 –2017.
- A grant of Rs US\$ 9,000 is granted for work on 'Effect of Electrostatic assist on gravure printability', for year 2017- 2018.

5. Esko- Graphics Pvt Ltd., Singapore

- This collaboration in year 2017 offers free use of software like 'Artios CAD 3D modeling', Studio, Desktop, plate with power steper, Flexo tools for photoshop etc., for faculty and students of printing engineering.

6. M/s MMSU Electric, Shivane, Pune since last three years with Electrical Engg Dept.

- The collaboration deals with the development of three phase brushless doubly fed reluctance machines. Two post graduate students, one UG project have successfully completed the work related to design and development of machine, under the guidance of Prof. M.P. Bhawalkar. 2kW, 400/200 V 50Hz two prototypes were fabricated at site which are worth of Rs. 1 lakh. The UG project bagged second prize in state level Dipex 2017 competition for the same project. The based on this work 2 journal papers and 4 international conference papers were published.
- The collaboration work is further extended to developed production friendly permanent magnet synchronous machine. The research paper was presented at International conference on Electrical Machines and Systems 2016 at Japan. The work was well appreciated.

Other UG projects were developed at MMSU Electric

- Development of permanent magnet axial flux generator
- Development of PM assisted linear induction motor.

7. Collaboration with R&DE(E), Dighi, DRDO Laboratory

- A sponsored research project on “Development of Control Algorithms for Brushless D.C. motor Drive” was completed at Department of Electrical Engineering, under the guidance of Prof. Dr. Mrs. Vrunda Joshi, Professor, Electrical Engineering Department. She contributes to various research activities of DRDO.

8. 3DPLM Pune:

- MoU is signed on 12th May 2016 for development of facilities and collaborative training activities in the department of Mechanical, under product innovation lab develop initiative of 3DPLM Pune.

9. CADD Center Pune:

- MoU is signed with CADD center every year for free training in AUTOCAD for students of first year.
- MoU is signed with CADD center every year for training in ANSYS for students of SE-BE.

10. Atlas Copco Pune:

- Department has strong interaction with GECIA resulting in training of students, summer internships. The company has provided screw compressor in cut

section for demonstration and more than 100 reference books in the central library.

11. Forbes MarshallPune:

- Every year 10 to 15 students are benefited through summer internships.

12. TATA Technologies Ltd. Pune:

- More than 60 students are trained through ready engineer program.

2. Industry- Internship to students

Undergoing internship during the phase of completion of graduation is very effective way of understanding the working environment and needs of industries. It is the best way to get trained technically as well as professionally.

Students are encouraged to undergo internship preferably during third year, when they get sufficient branch specific knowledge. The students during internship can appreciate, validate the presence of fundamentals, along with practical use of all basics in development of products, processes. It builds their confidence and make them conversant with the hardship expected in career.

Following is the list of few industries who offer internship to students of all branches.

1. Thermax Ltd, Pune
2. Forbes Marshall, Kasarwadi, Pune
3. Atlas Copco Gecia, Pune
4. GS Lab Pvt Ltd.
5. Anulomb
6. Lubricare Products Ltd
7. Tata Motors Pimpri Pune
8. Mahabal Metals P Ltd Miraj
9. Neelay Industries M I D C Satpur Nashik
10. Verroc Vepl Iii Chakan
11. Mercedes-Benz India
12. Commandant 512 Army Base Workshop Kirkee Pune
13. Saakshi Machines & Tools P Ltd
14. Kirloskar Oil Engines Ltd Midc Kagal Kolhapur
15. Eagle Burgmann Ltd Pune
16. Process Research Ortech Inc Canada
17. Cooper Corps Satara

18. Alfa Laval Pune
19. Hyva India (P) Ltd Navi Mumbai
20. Msrtc Sindhudurga
21. Indian Electric Company, Shukrawar Peth,Natu Baug ,Pune
22. Tata TechnologiesPune.
23. Petroleum Conservation Research Association,Ministry Of Petroleum,Govt.Of India
24. Catrobotics, Gate No.156, Kuruli,Chimbli Phata, Tal.Khed,dist.Pune
25. L & T, Switchgear Training Center,Bhosri.
26. Micromax instruments Pvt.Ltd., Hingne Khurd,Off Sinhgad Rd,Pune
27. Vidyut Controls and Automation Pvt :td. 82/2,Sahara Old NDA Road,Shivane,Pune
28. Rakesh Transformer Pvt Ltd., W-240,S-Block,MIDC,Bhosri,Pune411026
29. Analogic Automation Pvt.Ltd, S.No.54/13/1 & 2,Adjacent to Sinhgad Institute of Pharmacy,Narhe Road,Pune.
30. MAHATRANSCO Ltd,Nagar Highway,Lonikand
31. MMSU electric Pvt Ltd., G-5,Vishnu Malti Industrial Estate,Survey No.77, Warje-NDA Rd,Shivne,Pune.
32. Power Control Engineering, Pune
33. Vitronics Controls Pvt.Ltd, Pune, S.No.58/4/4/2,Gokul Nagar,Kondhawa bk,Pune
34. PGCIL, training at Talegaon SS and Shikrapur SS
35. Data Electricals , Kavatheekud,Tal.Tasgaon,,Sangli
36. Raychem,Chakan,Pune
37. Dahanu,Thermal Power Station,Dahanu Road,Palghar
38. Kirloskar Brothers, Kondhapuri,Tal.Shirur,Dist.Pune
39. HVDC Padghe, Mumbai,Kalyan
40. CentralRailway,Electric Locomotive Workshop,Bhusawal
41. Siddhi Consulting Engineers Pvt Ltd., 9,Shivsagar Apt, Bhusari Colony,paud Rd,Kothrud,Pune - 411038
42. Bagala Total Solutions, LI-IN Electricals Ltd,Plot.No.137,MIDC,Industrial Area,Waluj,Aurangabad,431136
43. BARC,Govt.of INDIA, TROMBAY,Mumbai-400085
44. Hindustan Aeronautics Ltd, Aircraft Division, Ojhar,Nasik
45. Analogic Automation Pvt.Ltd, S.No.54/13/1 & 2,Adjacent to Sinhgad Institute of Pharmacy,Narhe Road,Pune.
46. Universal Electrical Pvt Ltd., L-18,MIDC,Ahmednagar-414111

47. EPCOS India Pvt.Ltd.
48. Sanjeevani Sahakari Sakhar Karkhana.AJANANANDNAGAR,
p.o.Shinganapur,Tal,Kopargaon,Ahmednagar
49. Silverline electricals Pvt.Ltd, Gate no.945, ispat Rd, Sanaswadi, Tal. Shirur, Pune-412208
50. Gilbert and Maxwell Transformers Pvt.Ltd Plot.no.C-11, Unit No.35, NICE, Satpur Industrial Area, Nashik-422007
51. RCube Energy Storage systems Pvt.Ltd RANKA jewellers Building, Sinhad Rd, Pune
52. Traction machine workshop, Nashik Road, Nashik – 422101
53. Intelux Electronics Pvt.Ltd , Shed.No.02/08, Survey no.30/4, Near dran.Pari Co.Dhayari, Pune 411041
54. E-Sys an energy system company, Pune
55. Wiksate Solutions Pvt.Ltd. Regd.ooffice:13 Profile Avenue, 11 Aundh Road, Pune 411020
56. Oosprong Electric Pvt.Ltd , S.No.38/1, khedkar Industrial Area, Narhe, Pune
57. Mitsubishi Electric Pvt.Ltd., Emerald House, EL-3, J-Block, Bhosri, Pune-411026
58. Maharashtra State Power generation company, Chandrapur Super Thermal Power station, Chandrapur
59. Siemens Ltd, Nashik Works
60. Emerson Climate Tech Pvt.Ltd,
61. Protocontrol Instruments India Pvt.Ltd., EL 31/1, Electronic Zone, J Blok, MIDC, Pune 411026
62. MSETCL, 400 KV receiving Station, Babhaleshwar, At. Post Pimpri Nirmal, Tal. Rahata, dist. Ahmednagar
63. Mechatronics Systems Pvt.Ltd , “Mechatronics House” S.No.107, Warje, Pune-411058
64. Fizzible Technologies , Gravity Building, Sakhere Nagar, Near viman Nagar, Pune
65. Shavison Electronics, Unit No.G-5, B wing, Plot K-3, Udyog Bhavan No.2, Anand Nagar MIDC, Ambarnath
66. Lectrotek Systems
67. Thuse electronics Pvt Ltd
68. Anshuman Tech PVT LTD PUNE
69. Progressive Powercon
70. Accolade Electronics PVT LTD
71. Reanu Electronics
72. Nishad Mande NSM solutions
73. Digitronics PVT LTD

74. Adeptfludyne
75. Aeron Systems Pvt Ltd
76. Kraft Powercon
77. BSNL
78. L&T Electrical & Automation
79. Vodafone India Limited
80. Stomatobot Technologies Pvt Ltd
81. 9 Base Repair Depot Indian air Force
82. Advance Telecom at BSNL
83. Motwane Electronics Nashik
84. UL Automation Systems
85. Prime automation
86. Dynalog, Pune
87. Cummins Ind LTD
88. Videocon Company
89. DST-NIMAT Project
90. Labview Workshop
91. Mitsubishi Electric
92. S M Wireless Technologies
93. Prasar Bharati Broadcasting Corporation of India
94. Concord Technologies
95. M-Tech Innovations, Pune.
96. Hueber Inks, Vapi
97. ITC Papers & Paperboards, Bhadra Challan
98. BILT Papers Ltd., Bhigwan.
99. Omnova Solutions Inc USA
100. Seigwerk Inks, Bhiwadi.
101. Anulom Technologies
102. SmarterHi Communications Ltd

3. Industry Sponsored projects

Final year projects of under graduate students are sponsored by industries. The problem statement and objective of project works gets finalized based on the technical task of the industries. The team normally consists of students, minimum one engineer from industry along with one staff member as a guide. There is mechanism of continuous assessment of progress of work at industry as well as college level. The evaluation of project work gets certified by industry. Students are also encouraged to participate at project competition to validate the content and contributions.

Following list covers few industries who offer sponsorship to final year projects, under domains of electrical, E&TC, Mechanical, Printing and IT, CS.

1. Thermax Ltd, Pune
2. Forbes Marshall, Kasarwadi, Pune
3. Atlas Copco, Pune
4. Rcube Energy Storage Pvt Ltd, Pune
5. Gudel India Pvt Ltd, Pune
6. Pantech Pro Ed, Pune
7. TREO Engineering Pvt Ltd, Pune
8. The Indian Electric Co. Pune
9. Pristine Switchgear Pvt Ltd, Pune
10. Technofour, Pune
11. NDT Technocrafts, Pune
12. MMSU Electric, Pune
13. Smart Automation, Pune
14. Vidyut Electricals Pvt Ltd. , Pune
15. Ambik Harmonic Filters Pvt Ltd, Pune
16. Analogic Automation, Pune
17. Shree Ram Electric and Electronics Works, Pune
18. Powertek, Pune
19. Power Control Engineers, Pune
20. NSM Solutions, Chinchwad
21. GS Lab Pvt Ltd.
22. Anulomb
23. Dzine Masters
24. Mahindra Conveyor Sytems
25. Maven Systems

26. Danson Lighting Pvt. Ltd.
27. IMD, Pune
28. Mechatronics Systems Pvt. Ltd
29. EPS Worldwide Pvt. Ltd.
30. Quality NDT services
31. ADD Semiconductors (ATMEL)
32. Enovation Controls Pvt. Ltd.
33. Shreya Systems, Pune
34. NXG Embedded
35. Thuse Electroniks Pvt. Ltd.
36. Sky Systems
37. Ratnaparkhi Electyronics IND. Pvt. Ltd., Nashik
38. Lectrotek Systems Pvt. Ltd.
39. ARDE, Pune
40. Electronet Equipments Pvt. Ltd.
41. Infiny Corp
42. Central Water & Power Research Station (CWPRS), Pune
43. MSEDCL
44. Mechatronics systems Pvt. Ltd
45. Wilo, Mather+Platt
46. Alcor Infotech
47. NSM Solutions
48. Corona Systems
49. Electronet Equipments Pvt. Ltd.
50. Center for Citizen Science
51. Precision Arc Robotic system
52. Mphasis Ltd.
53. Indian Meterological Department, Pune
54. eXoskeleton robotics technology
55. eXoskeleton health care technology
56. F. W. Murphy India Ltd.
57. OTIS India
58. ATMEL
59. Kana Electronics

60. PARI, Pune
61. M-Tech Innovations, Pune.
62. Hueber Inks, Vapi
63. ITC Papers & Paperboards, Bhadra Challan
64. BILT Papers Ltd., Bhigwan.
65. Omnova Solutions Inc USA
66. Seigwerk Inks, Bhiwadi.
67. Rakhoh Ind. Pvt. Ltd., MIDC Bhosari, Pune
68. Nandanvan Research Foundation, Kotharud Pune
69. Arun 3D labs
70. Refcon Engineering Services Pvt. Ltd, Pune
71. Automotive Research Association of India(ARAI), Pune
72. innovative research and training warjepune
73. Creative Tools & Componets Plot no. 19 KasarAmboli, Mulshi , Pune-412108
74. Darshana Ind. Pvt. Ltd, Pune
75. Mahindra sanyo special steel pvt ltd, Khopoli
76. Shree Systems 11/11 Nanded village off Shinhagad road pune20-24394739
77. Pratham Technologies Pvt Ltd, Pune
78. Bher Hella Thermocontrol India Pvt Ltd, Pune
79. Vigyan Ashram Pabal
80. SAM integrations Pvt Ltd, Shivane Pune
81. Laser Automation Pvt. Ltd, Parvati Pune
82. PHI Audiocom Pvt Ltd, Pune
83. Inditronics, 202 J kK chambers, 1430, ShukrawarPeth, Pune-02
84. Spark Plastomech India, Pvt.Ltd. BHOSARI MIDC(020)30785865
85. Jaldoot Material Handling Pvt. Ltd
86. ElectroMech, India,Pvt Ltd. Pirangut,Pune
87. Bharat Forge Ltd. Mundwa Pune 411036
88. Victory plastics pvt ltd. Gat no.velu, TalukaBhor, Pune
89. Sandvik Asia Pvt. Ltd
90. Ajinkya Enterprises, Pirangut
91. TATA Motors, Chikhali
92. Spark Plastomech India, Pvt.Ltd. BHOSARI MIDC(020)30785865
93. Ecosun energy company office:santnagar mob no:9422089863.

94. WalchandnagarIndstpvt. Ltd, walchandnagar
95. Onkar Enterprises, Phursungi
96. Size Control Pvt. Ltd, khadichowk, tiny industrial estate
97. Blue Point Industries, 17/1 B, Pragati Complex, Unit 9Kothrud 9822034016
98. Syntech, Sr, no. 77, Vishnumati Ind. Estate, Shivane Pune-23
99. Bajaj Auto Ltd. Pune
100. Intelligent Motion Technology Pvt. Ltd.
101. Persistent systems
102. Opulent
103. Sattva Rise
104. Aptify
105. Bohiyaanam
106. Innoplexus
107. Caprium
108. ADVENT
109. HYPER IONS Research Labs pvt.ltd.
110. Techlead Software
111. PubMatic India Pvt.ltd
112. TexIn Sight Technologies
113. IBM
114. Symantec Corporation
115. Fortune Tech
116. Quexa System
117. Redhat
118. KENT Intelligent Transportation Systems (India) Pvt. Ltd.