

HYDERABAD KARNATAKA EDUCATION SOCIETY'S

POOJYA DODDAPPA APPA COLLEGE OF ENGINEERING



A Govt. Aided & Autonomous Institution
Affiliated to VTU, Belagavi
KALABURAGI - 585 102 - KARNATAKA - INDIA
www.pdacek.ac.in - E-mail: principal@pdaengg.com

CET Code: Aided - E041 - Unaided - E059 - COMED K Code : E056



Recognized in the band "Promising" under the category "Colleges / Institutes (Govt. and Govt. Aided) (Technical) in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021

Categorized as 'Brand A' Institution (rank between 06-25) in category of "Institutes of Colleges (Govt. and Govt. Aided) in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020



VISION :

To be an institute of excellence in technical education and research to serve the needs of the industry and society at local and global levels

MISSION :

- To provide a high-quality educational experience for the students with values and ethics that enables them to become leaders in their chosen profession.
- To explore, create and develop innovations in engineering and science through research and development activities
- To provide beneficial service to the national and multinational industries and communities through educational, technical and professional activities.



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Dr. Bhimashankar C. Bilgundi
President



Dr. Sharanabasappa R.
Harwal
Vice - President



Dr. Jagannath B. Bijapur
Secretary



Dr. Mahadevappa V.
Rampur
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Marthale



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Patil



Ar. Basantay L.
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Dr. Kailash B. Patil



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Shri Sainath R. Patil



Shri R. Ganja Shankar



Dr. Rajmoh S. Wali



Dr. Rajashreekar
Patil

HKE SOCIETY

Hyderabad Karnataka Education Society is the prestigious educational institute of Karnataka established in 1958 by Late Shri. Mahadevappa Rampure with contributions of farmers of this region to cater to the needs of higher education, especially the medical, engineering, pharmacy, law, education, commerce, arts, science and other technical skilled fields. The Society is ably managed by a Board constituting the President, Secretary and 13 other elected members.

The Society runs 51 institutions in various disciplines - Health Sciences, Teaching Hospitals, Technical Institutions, Degree Colleges, Pre-University Colleges, High Schools, Primary Schools and Hostels.



INSTITUTION

Poojya Doddappa Appa College of Engineering, Kalaburagi is the first institution established by the society in 1958. The college has celebrated its golden jubilee year, setting new standards in the field of education and achieving greater heights.

The college was started with 50% central assistance and 50% state assistance, with a desire to impart quality technical education to this part of Karnataka State. The initial intake was 120 with degrees offered in three branches of engineering viz, Civil, Mechanical and Electrical Engineering. Now, it houses 12 undergraduate courses, 10 post Graduate courses and 13 recognized research centers, offering Ph.D. programs. All the courses are affiliated to Visveswaraya Technological University, Belagavi.

At present the total intake at UG level is 900 and PG level 193. The college receives grant in aid funds from state government. A number of projects have been approved by MHRD/AICTE, Govt. of India for Research and Modernization of laboratories. The Karnataka State Council for Science and Technology, Govt. of Karnataka is providing financial assistance regularly for the student's projects.

The National Board of Accreditation, New Delhi, has accredited the College twice once in the year 2004 with 09 UG programs out of which 08 programs were accredited for three years and 01 course was accredited for five years. At present the college is reaccredited by National Board of Accreditation for 05 UG programs.

Recognizing the excellent facilities, faculty, progressive outlook, high academic standards and record performance, the VTU Belagavi reposed abundant confidence in the capabilities of the College and conferred Autonomous Status from the academic year 2007-08, to update its own programme and curriculum, to devise and conduct examinations, and to evaluate student's performance based on a system of continuous assessment. The academic programs are designed and updated by a Board of Studies at the department level and Academic Council at the college level. These statutory bodies are constituted as per the guidelines of the VTU Belagavi. A separate examination section headed by a Controller of Examinations conducts the examinations.

One of the unique features of our college is, it is the first college in Karnataka State to start the Electronics and Communication Engineering branch way back in the year 1967, to join NIT Surathkal and IISc, Bangalore. Also, it is the only college in the state and one among the three colleges across the country, offering a course in Ceramic and Cement Technology. This is the outcome of understanding by faculty and management about the basic need of this region, keeping in view of the available raw material and existing Cement Industries.

PDA College of Engineering is one among the top 25 Institutions at National Level and Top Two Institutions at State Level as per ATAL Ranking of Technical Institutions. The rank is awarded for Innovation activities, Publications of faculty and students, Patents, Startups, Incubation Centers, reserving the budget for innovation activities, and involvement of Faculty and Students in Innovative and Skill Enrichment Activities.

PROGRAMS

UNDERGRADUATE COURSES (B.E.)

Course Name	Intake
Civil Engineering	180
Mechanical Engineering	120
Electrical & Electronics Engineering	60
Electronics & Communication Engineering	120
Industrial & Production Engineering	60
Electronics & Instrumentation Engineering	30
Ceramic & Cement Technology	30
Computer Science & Engineering	120
Information Science & Engineering	60
Artificial Intelligence and Machine Learning	60
Computer Science and Design	60
Energy Engineering	30

POSTGRADUATE COURSES (M.TECH.)

Course Name	Intake
Power Electronics	25
Thermal Power Engineering	25
Environmental Engineering	18
Structural Engineering	18
Production Engineering	18
Communication Systems	18
Computer Science and Engineering	25
Bio-Medical Electronics & Industrial Instrumentation	10
Computer Network Engineering	18
Material Science and Technology	18

RESEARCH CENTRES (PH.D. PROGRAMS)

All Departments are recognized as research centres.

FACULTY

The college has well qualified, experienced and highly motivated faculty. There are 74 Doctorates and 176 Postgraduates. Currently more than 120 faculty are pursuing their Ph.D. programs. A considerable number of faculty have their Master and Doctoral degrees from premier institutions like IITs, IISc, NITs, and BHU. The average teaching experience of faculty is more than 20 years.

STAFF

The dedicated technical and supporting staff are the centre pillar for the implementation of laboratory exercises and experiments. College has experienced and technically sound staff.



Equipments of various laboratories



Experiential Learning



Inauguration of Diamond Jubilee Examination Centre



Dr. Ashwathnarayan C. N.
Minister for Higher Education; IT & BT, Science and Technology at Job Fair.



National Level Code Hackathon

RANKS & AWARDS



SALIENT FEATURES

- Offers 12 B.E. programs, 10 M.Tech. programs and has established 13 research centers awarding Ph.D. degrees under VTU, Belagavi.
- Majority of the programs have been accredited by NBA under Washington Accord.
- One of the 14 colleges selected under Technical Education Quality Improvement Program (TEQIP) I, II and III funded by the World Bank.
- It is one amongst 9 Colleges in the State selected for TEQIP Phase - III as mentoring institute.
- Both UG and PG programs of the institution are granted Academic Autonomy by VTU and UGC.
- Highly qualified faculty (74 doctorates) and skilled staff with rich experience and commitment are the back bone of the institution.
- A large number of faculty has obtained their M.Tech and/or Ph.D. from premier institutions like IIT, IISc, BHU, NIT, etc.
- Most of the eligible students have been placed in reputed industries like Infosys, ORACLE, TCS, Wipro, IBM, HP, Accenture, Tech Mahindra, Cognizant Sasken, HCL, Mphasis, Amazon, Flipcart, Mindtree, Zindal Steel and Power, Tata Motors, Force Motors, Bharat Forge, Mahindra, Ashok Leyland, Dalmia, Kajaria, ACC Cement, etc. through Training and Placement cell.
- Credit based course in communication skills, soft skills and aptitude has been introduced for I, II and III year of U. G. Program.
- One of the nine colleges in the State to have established New Age Incubation Network (NAIN), sponsored by Dept. of IT & BT Govt. of Karnataka.
- Special attention is given to academically weak/slow learning students to face the outside world. Campus is networked with 1200 systems and the Internet access is provided to labs, classrooms, library and offices of all departments through 10GBPS fibre optics back bone.
- College has Student Activity Centre with 900 seating capacity Auditorium, three seminar halls with 100 seating capacity.
- MoU's with many industries, benefiting student's placement.

■ The Central Library houses 82,000 volumes, with 25,000 titles, and subscription of 6910 e-journals. A digital library with 40 systems is available to access e-journals and books. Hostel facility for boys and girls is available.

THE RANK IS AWARDED FOR

- Innovation activities
- Publications & Patents
- Startups & Incubation Centers
- Budget for Innovation Activities
- Involvement of Faculty and Students in Innovative and Skill Enrichment Activities.

CENTRAL EXAMINATION CENTRE



Digital Valuation Centre



Board Room



Strong Room

The facilities in examination centre have been upgraded to suit to the needs of an Autonomous system of technical institution with an investment of Rs.1.25 crores. The exam section in-house a Board Room, Digital Valuation system, online Question paper setting system, facilities for all types of exam related works, Strong room to store papers. The centre is totally secured with all types of safety measures which meet the International Standard. This centre was inaugurated by Sha.Brahmi. Poojya Shri. Jade Shantalingeshwar Swamiji.

TRAINING AND PLACEMENT OFFICE

- 300+ recruiting teams, including 10+ Fortune 500 companies, visit PDACE for UG and PG campus placements and internships recruitment every year.
- Every year 400+ students get recruited in MNCs and reputed Industries.
- Training of soft skills and Recruitment Processes is part of the curriculum since the day one.
- Industry Readiness Training is also provided to students.
- Industrial Internship is mandatory for all the students during 3rd year.
- Career Guidance is provided from the experts through guest lectures for Entrepreneurship, Higher Studies and Competitive Examinations viz., GATE/IES, UPSC/KPSC, PSU etc



Glimpses of Graduation Day

PLACEMENTS



INNOVATION LAB



The Innovation Lab as a common platform will connect all disciplines of engineering in the college to address their challenges and find solutions. This method of Innovation will help to evolve startups in interdisciplinary fields. Interdisciplinary startups are the new business models with an approach to solve many global issues.

Innovation Lab gives students an opportunity to explore a variety of topics in greater depth. Students will have the chance to engage with real-world problems and applications as they develop their own solutions.

INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

Patent is one of the important parameters to measure the strength of research and innovation. Patent can help in safeguarding invention of an inventor. It can protect any product, design or process that can meet certain specification according to its originality, suitability, practicability and utility. The IPR cell creates regular awareness to the students and faculty to guide and help in patentability assessment. It also provides necessary guidance and financial assistance in filing of the patent.

To take the research and innovations of our institution to the next level the institute has proposed Patent Abhiyaan in PDA (PAP). This helps to realize the Institute strategic plan and also to reach the target set in the roadmaps of each department.



HOSTEL

MOULANA AZAD MEMORIAL HOSTEL



The Boys Hostel for PDA Engineering College which was established in 1960 is provided with all the modern facilities. The hostel can accommodate nearly 400 students.

The girls hostel can accommodate 100 students.



PDA Girls Hostel

SPORTS

Department of Sports provides the facility to the students to enhance their skills and fitness specific to a particular sport, and to develop physical fitness by maintaining and increasing speed, flexibility, muscular strength, and muscular endurance.



CERTIFICATION & POST GRADUATION DIPLOMA COURSES

ARTIFICIAL INTELLIGENCE, AUGMENTED REALITY AND VIRTUAL REALITY

Objective of the Course : The main objective of Artificial Intelligence(AI), Augmented Reality(AR) and Virtual Reality(VR) course is to provide a platform for the researchers and innovators to expose to the field of augmented and virtual reality and applications of Machine learning. This technology aims in providing an exposure to the undergraduate, Research Scholars and Industry employees to make innovations and perform research activities.

Duration of the Course: One Semester.



CYBER SECURITY

In view of rising cyber crimes and threats it is imperative for an organization to create awareness about cyber security which would prove critical for the survival. Therefore, employees should be trained with knowledge and skills to make every organization cyber safe.

According to NASSCOM estimates, India needs one million cyber security professionals by 2025. To address this requirement, we are starting certification course in the field of cyber security to the students and the graduates from different disciplines and enhance their job prospects.

Duration of the Course: One Semester



ADVANCE SURVEYING USING TOTAL STATION

The main objective of this course is to provide hands on experience in handling of modern equipments used in Civil Engineering such as Electronic distance measurement equipment (EDM), Auto level, Digital level, Total station., Global Positioning System(GPS).

Duration of the Course: One Semester



POST GRADUATE DIPLOMA COURSE IN DATA SCIENCE

The main objective of Post Graduate Program in Data Science is to introduce participants to the tools and techniques used for handling, managing, analysing and interpreting data. The program builds a solid foundation in Data Science & Analytics by covering industry standard tools and techniques through a practical, industry oriented curriculum.

It helps in recognizing and analysing ethical issues in business related to intellectual property, data security, integrity, and privacy. It helps in demonstrating knowledge of statistical data analysis techniques utilized in business decision making.

Students can apply principles of Data Science to the analysis of business problems.

Students can use data mining software to solve real-world problems.

Students can apply algorithms to build machine intelligence.

Duration of the Course: One Year



POST GRADUATE DIPLOMA COURSE IN SOFTWARE APPLICATION IN CIVIL ENGINEERING



Objectives of the course

- To further develop skills in using computer software in analysing and designing buildings.
- To further develop skills in using computer software and to control project construction activities.

The outcome of the course is

- To Prepare 3D and 4D models
- Audit, check and review models
- Manage teams and projects
- Prepare BIM Execution Plan (BEP)
- Design project model
- Space planning & area analysis
- Prepare perspectives
- Create walkthroughs
- Construction scheduling
- Site utilization planning
- Detect internal and external clashes

Duration of the Course: One Year



HYDERABAD KARNATAKA EDUCATION SOCIETY

KALABURAGI - KARNATAKA

GOVERNING COUNCIL

Dr. Bhimashankar C. Bilgundi, President, HKE Society, Kalaburagi

Dr. Sharanabasappa R. Harwal, Vice - President

Dr. Jagannath B. Bijapur, Secretary

Dr. Mahadevappa V. Rampure, Joint Secretary

Governing Council Members

Sri. Arunkumar M. Patil

Dr. Nagendra S. Manthale

Dr. Kailash B. Patil

Sri. Somnath C. Nigudgi

Sri. Sainath N. Patil

Dr. Rajanish S. Wali

Dr. Sharanabasavappa B. Kamreddy

Ar. Basavaraj J. Khanderao

Ar. Vinay S. Patil

Dr. Anilkumar B. Pattan

Sri. N. Girija Shankar

Dr. Rajashekhar Patil

ADMINISTRATIVE TEAM OF PDA COLLEGE OF ENGINEERING

Dr. S. S. Kalashetty

Principal, PDA College of Engineering - principal@pdaengg.com - 9448333789

Dr. Siddarama R. Patil

Vice - Principal (Academics) - viceprincipalacademic@pdaengg.com, 9480781117

Dr. Kalpana Vanjerkhede

Vice-Principal (Administration) - viceprincipaladministration@pdaengg.com- 9481640866

Prof. Ravindar M. Lathe

Controller of Examinations - examcontroller@pdaengg.com- 9448830138

Dr. Mahadevappa Gadge

Training and Placement Officer - pdaplacements@gmail.com- 9880351592

Dr. Prashant Kamble

Warden, MAM Hostel - wardenmamhk@hkes.edu.in- 9448405573

Prof. S. R. Tole

HoD, Department of Physical Education - 9448649979

For Admissions Contact

Dr. Shridevi Soma, Dean Research - deanresearchactivities@pdaengg.com- 7019509839

Dr. Baburao Sherikar, Professor & Head, Dept. of CCT - hodcct@pdaengg.com- 9845687758

Administrative Deans

Dr. S. R. Hotti, Dean Accreditation - deanaccreditation@pdaengg.com- 9342273918

Dr. Shridevi Soma, Dean Research - deanresearchactivities@pdaengg.com- 7019509839

Dr. Bharati Harsoor, Dean Office Management - deanofficemanagement@pdaengg.com- 9448585893

Dr. Sachhidanand Reur , Dean Software - deanit@pdaengg.com- 9448043179

Dr. Harish Astagi, Dean Campus Discipline - deancampusdiscipline@pdaengg.com- 9448577298

Prof. Jayaprakash A. K. , Dean Student Affairs - deanstudentsaffairs@pdaengg.com- 9448830571

Prof. Shivaraj Mangalagi , Dean Maintenance - deanmaintenance@pdaengg.com- 7019727933

Dr. S. R. Mise, Dean Outreach - deanoutreach@pdaengg.com- 8431821082

Dr. Prakash Pattan, Dean Stores - deanstores@pdaengg.com- 9448586468

Dr. Raju Yanamshetty, Dean Calibration - deancalibration@pdaengg.com- 9449638638

Dr. S. B. Patil, Dean Alumni - deanalumni@pdaengg.com- 9483452102

Dr. Jayashree Agarkhed, Coordinator, IPR Cell - iprcell@pdaengg.com- 9880704448



HKE

SOCIETY

