INDUSTRY CONNECT WITH IN-HOUSE INDUSTRIES @ SAHYADRI













SAHYADRI

COLLEGE OF ENGINEERING & MANAGEMENT

MANGALURU

Empowering Young Minds

START-UPS & INDUSTRIES @ SAHYADRI

At Sahyadri, we believe that an engineering degree is not sufficient but we ensure that every student is experienced and trained in an actual industry environment and trained for the real-time skill sets required for the industry. We have taken a great leap in providing the infrastructure and getting corporate to establish their offices within the campus so as to ensure that our students can easily have access to real time work environment. The companies are providing training on the skill sets which are in demand by the industry, giving an edge to our students to start a great career with good pay packages.

Sahyadri has been selected for establishing Institute Innovation Council (IIC) as per the norms and directives of Innovation Cell, Ministry of Human Resource Development (MHRD), Government of India.

And also been recognized by the Govt. of Karnataka to be the Mangalore Centre for K-Tech Innovation Hub (NAIN - New Age Incubation Network). The institute is much ahead in providing facilities for the students and identifying the proper training exposure for the students.

Sahyadri conducts Science Talent Hunt (SSTH), which is open to all students in the Dakshina Kannada region, which provides a platform for the students to showcase their concepts and ideas. The experienced team of industry experts provide guidance and support to students to transform the students to become successful engineers.

In support of this, Sahyadri has initiated Student Project Support Scheme (SSPS) to impart project based learning from day one of Engineering course which is driven by the concept of Project to Product on completion of engineering with funding support from the college management.

The entrepreneurship and incubation cell at Sahyadri act as a catalyst for students with entrepreneurial skills by developing their concepts to market ready products.



Sahyadri Initiatives

Sahyadri Center for Social Innovation (SCSI) is to motivate the students in the area of Social Innovations thus providing hands on experience and practical exposure to solve socially relevant problems. With the problems growing in the society, the engineers should have solutions ready kits to solve those problems and thereby create an ideal environment to evolve.

Hand-on Experience Lab: It is built on the lines of "**Make in India**" concept where students are encouraged to pursue their ideas and innovate continuously. In order to bridge the gap between theory and technology, the college has initiated this lab. It is a full-fledged 24X7 technical workspace.

First year students who brought Laurels to Sahyadri College at National level Competitions

Creating platforms for Ideation: Motivating first year students' participation in National Event/ Organizing event / Exhibitions / Developing creativity, Innovation and healthy competitive spirits are the core elements of Technical Career Education mission of imparting quality education

 First year Engineering students participated in various technical competitions at IIT's, NIT's and renowned premier institutions across the country and won many accolades

Student Project Support Scheme (SPSS): is mainly initiated to impart project based learning from Day one of Engineering. This scheme is driven by the concept of Project to Product on completion of engineering course, with funding support from the college management. Nearly 500-600 Projects under this scheme are being done by our students.





www.dtlabz.com Mobile: +91 81058 57755

Dreamers

A startup initiated with an intention to bring out creativity and innovation in every student and transform the nation into a place where true purpose of education is served. We are a conglomeration of enthusiastic engineers aiming to bring technology and innovation closer which can serve humanity and make earth a better place for living.

Dreamers focused vision on creativity led to formation of few more startups at Sahyadri namely:

- Sahyadri Edu Dreamers R&D Pvt. Ltd. (DTLabz)
- Dream-Tech Innovations (DTi) Dream Soft Innovations (DSI) • Flotanomers.

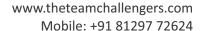
DREAMERS dream of creating a place where every interested student can interact with team members and work in an atmosphere where they can provide wings to their dream and let it fly higher and reach the zenith.

- Group of first year students are given an opportunity to participate in national and international event
- 600+ First year Engineering students participated in various technical competitions at IITs, NITs and renowned premier institutions across the country and won many accolades.



"Best Young Innovators" award for their Smart Helmet Innovation Competition; a joint initiative of AICTE, Department of Science & Technology (DST)







The Challengers team is a competitive club that competes in various national and international level competitions. The team is run by students, which creates a dynamic group and enables students to gain experience in technical skills.

The broad range of experiences and intensity of life as Challengers help members to understand their full potential as engineers. We are encouraged to work consciously towards the greatest dream we can envision.



Team challengers is a part of Robotic Club of Sahyadri College of Engineering & Management. Team having experience in various national level competition in fields of electronics and mechanical engineering is all set to take up an international challenge. Members are dedicated undergraduate students from various disciplines of engineering, passionate towards aerospace engineering and aeronautics. An endeavor to chase the new dimensions of engineering in the contemporary competitive world, crave kinetics of aeronautics.

ACHIEVEMENTS

secured 5th position in Oral presentation & 9th position in Overall performance globally. at SAE Aerodesign, California, USA.

Participated in SAE International
Aerodesign West held at
Fort Worth, Texas and Florida, USA





RDL Technologies Pvt. Ltd.

Research Design Lab - continues to maintain product excellence and performance by introducing innovative cost effective solutions to cater to the needs of industry and students who dream to innovate and excel in the field of Electronics and Engineering-thus supporting an array of domains in real time, providing solutions you can count on.

An Electronics & Communications Engineering based Company

Company Offers

Research Design Lab are dedicated to provide electronics product design, reverse engineering, and manufacturing services to allow your business to stay competitive and meet your customer needs with complete product design including electronics hardware design, software design, design for manufacturer DFM, design for EMC compliance and approval to CE and other certifications

Vertical

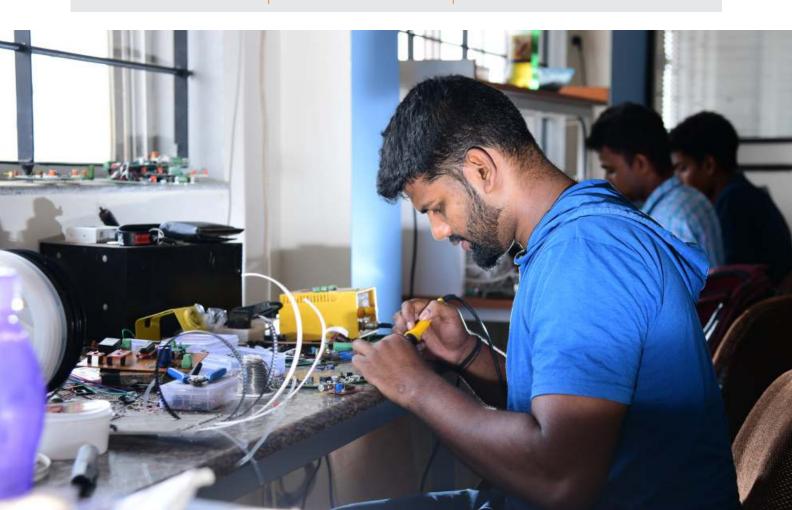
- Embedded System design
- Machine Learning
- Artificial intelligence
- Automation and Robotic
- Industry IoT and Cloud
- Software Application development (APP/desktop/Web)

RDL Products

- R-LiFi
- RDL IoT Gateway
- RDL IoT -Sense
- RTU Modbus Gateway
- LF / UHF RFID reader
- Industrial Data Logger
- RDL IIoT RPi 3.0
- RDL IIoT RPI zero
- Call Bell Swatch Bharath

Internship, Training & Workshops

- Embedded System design
- RToS
- Industry IoT and Cloud (ML/AI)
- Automation and Robotics (ML/AI)
- HMI Development (APP/desktop/Web)
- Software Testing
- Networking and security
- PCB Designing



sales@researchdesignlab.com www.researchdesignlab.com Mobile: +91 98862 71407

PATENT WORKS

Sl. No.	Title	Application No
1	System and Method of Determining Facial Skeletal Pattern	2064/CHE/2014
2	Musculoskeletal Disorder Diagnostic System	1767/CHE/2014
3	Visible Light and Infrared Based Cellular Communication	201641033858
4	Device For Location Determination	201841009816
5	System And Method For Hybrid Variable Length Partial Pulse Modulation	201841015125



Won "BEST PRODUCT INNOVATION"
Award in NITTE-KBL MSME Conclave 2018



IESA Makeathon - an IESA initiative, a National level competition and RDL was Honored



Mr. Raghavendra G Shetty
CEO
RDL Technologies
raghav@rdltech.in





Technologies Pvt. Ltd.

Aptra Technologies Private Limited is product development IT Company located in Mangalore, India. Aptra provides highly qualitative, timely delivered and cost-effective software solutions to our esteemed customers from various domains.

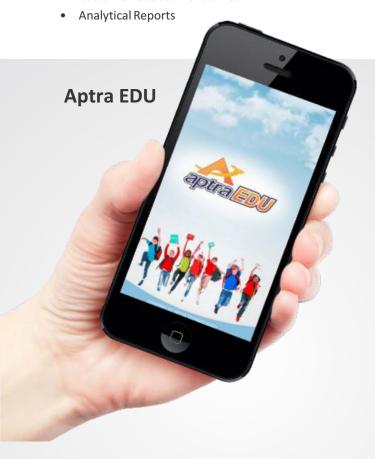
Aptra has a result-oriented team working with the latest technologies, assuring our clients total quality with accuracy and high value returns. Our Research & Development team continuously explores new A Computer Science Engineering and Information Science & Engineering based Company

technologies to give our clients the best software solutions. We are pioneers in developing and maintaining applications for Client/Server, Web and Mobile technologies that leverage the full capabilities of smartphones and cloud services. We believe that the recent explosion of interest in mobile and tablet computing is going to continue and we want to help your business embrace this new era of technology.

Aptra Products

APTRA SERVICE AND MAINTENANCE APP

- Manage your customer service through mobile app
- Track service requests created
- Assign to service technician
- Service technicians get mobile alerts
- Customer feedback for Service



APTRA HRMS & Payroll Application

- Payroll Management Module Salary processing , statutory related reports etc
- Employee Module Dash Board, Pay slips, Survey polls, Birthday alerts etc
- Leave and Attendance Module Integrated with attendance RFID/bio metric
- Appraisal Management Module Fully customized for an organization

APTRA PIGMY COLLECTION APP for

Co-operative Banks

- Backend Web application and Mobile App for daily Pigmy collections
- Useful for Co-operative Banks
- Finance companies having pigmy collections
- Customers get instant SMS
- Low cost and easy to use
- · Live data on the collection by each agent
- Easy integration with the Central Banking Software





Enterprise Application Software

Webportal Development & Maintenance

Internship, Training & Workshops

www.aptratechnologies.com info@aptratechnologies.in Mobile: +91 98454 79434

Specialization

- Web Application Development
- Mobile App Development
- Native App Development
- E-commerce and portal development.
- Digital Marketing and Branding.

Company offers

- Exclusive Education ERP for Schools and Degree colleges
- Comprehensive ERP for Engineering colleges
- Software Development& Maintenance
 - Customized Projects
- Email solution & Bulk SMS service
- SEO Services
- Domain Registration& Hosting solution
- Graphic Design

Vertical & Domains

• IT - Education

Courses offered

- Web Application Development
- Mobile App Development
- Cloud Computing

Internship

- Responsive web application
- Hands-on App Development
- Software Development & Maintenance





CALIPER ENGINEERING & LAB PVT. LTD.

A Center for Mechanical Engineering Start-ups & Incubators

CALIPER is equipped with state of art ultra modern machinery / equipments / software to serve 'NICHE' Industries like Aerospace, ISRO, Defence, Nuclear, Ship Building, Oil & Gas and to up-skil Mechanical Engineering Students to be "Industry Ready" Sahyadri becomes the FIRST Private Engineering Institute Campus in India to be equipped with an integrated high tech composite manufacturing hub cum industrial training center.

Craftly blended with young & experienced human resource as well as bringing global manufacturing

Offers Industrial training and Internships

CNC Machining

- CAD / CAM Level I &II
- CNC Machining Level I & II
- Professional CAD modelling
- CNC Turning Center/Vertical Machining Center.

Metrology & Measurement

- Basic & Advanced Metrology & Measurement
- 3D CNC Co-ordinate Measuring Machine

experience, Caliper is gadgeted with high precision CNC Machines, 3D CNC CMM, Robotic Welding, Aerospace Industry specific NDT equipments.

Caliper is also a platform for learning "Best Manufacturing Practices" through real time production, in-line with 'Industry 4.0'

Caliper is also a launch pad for budding engineers for their "Start-ups" & act as "Mechanical Incubators", which is very rare in our Country.

"It's not about Ideas. It's about making Ideas happen"

Non Destructive Testing (NDT) & Welding Technology

- Basic & Advanced NDT & welding practices
- Visual Testing with ASNT Certification
- Magnetic Particle Inspection with ASNT Certification
- Liquid Penetrant Testing with ASNT Certification
- Ultrasonic Testing with ASNT Certification
- Professional Welding Inspector
- Robotic Welding







First Edu Campus in India
with Integrated High-Tech
Industries, Startups &
Incubation Facility







DTILABZ Pvt. Ltd.

www.dtilabz.com reachus@dtilabz.com Mobile: +91 99026 08658

Started in the year 2016, DTILABZ endeavours to develop progressive technological solutions for the betterment of humanity. By promoting research culture, share knowledge and provide opportunities to innovate, we hope to empower budding talents to explore their true potentials and contribute to the society. The goal is to design and develop electronic hardware products, help and provide continuous support from initial design concepts, through the prototype and pre-production stages, right up to and including product launch and manufacture.

Innovation Products

DREAM KIT is an electronics platform based on plugand-play hardware and drag-and-drop software. With over 27 modules, one can do over 200 projects ranging from switching ON-OFF a bulb to actuating motors based on gestures, right after opening it from the box. All that you need is a smartphone, DREAM KIT and your creative imagination to engineer a project for yourself, or home or school.

Company offers

 Developing Electronics based Hardware Products In the field of Electronics.

Specialization

- Research and Development
- Product innovation / development
- Electronics Hardware Design

Vertical

- Hardware Product Development
- Electronics Hardware Design

Domains

- Research and Development, Rapid prototyping, Product Designing and Manufacturing.
- Embedded Systems, IOT, Power Electronics, Wireless Communication, Electronics in Robotics
- Designing, Simulation, PCB Fabrication, Assembly and Testing.





E-mail: reachus@dsilabz.com Web: www.dsilabz.com Mobile: +91 99024 99411

About the Company

Dream Soft Innovations (DSI) is an entrepreneurial venture with technocrats proficient in software technology. DSI has been continuously contributing in the vertical of software technology and redefining education with smart tech products. DSI has empowered the global market with its quality software services.

Innovation Products

Technological advancements have shaped each and every aspect of our lifestyles: from how we communicate to how we work to how we entertain ourselves. Education is no exception in this matter.

EDGE - Our augmented reality app and platform enables students and teachers to visualize 3D models in the real environment, in real time, and at scale. Bridging the gap between the virtual and physical worlds, EDGE changes the way we see, imagine, and learn about the world around us.

Company offers

- Software development
- Game development
- Computer visualization.

Vertical

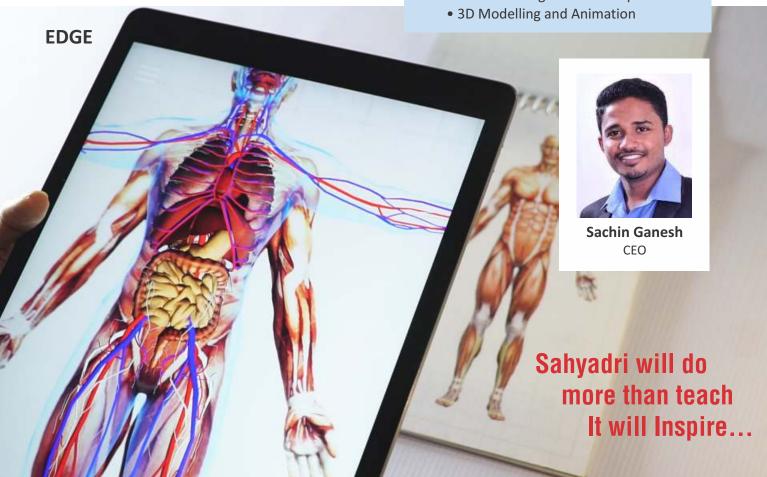
- Computer Vision
- Computer Visualization
- Software Development

Domains

- Virtual Reality
- Augmented Reality
- Game development,3D modelling and animation, Website Designing and development, App Development

Training & Internship

- AR and VR
- Unity 3D
- Game Development
- Website Design and Development





sahyaware@sahyadri.edu.in Mobile: +9199165 96562

Sahyaware is a startup, as a result of amalgamation of energetic young minds and experienced experts. The company promises quality services in the tailor made application software and training for the needy.

Company Offers

- Internship Training Value Added Courses
- Civil Engineering Software Training

Products

- Systematic training in engineering software development.
- Development of tailor made application software.
- Hands on experience on standard software products in real time live projects.
- Innovative course material for steep learning curve.

Specialization

- Engineering software development.
- Finite element analysis.
- Core engineering application softwares.



Mr. Sunil Kumar Rai



START-UPS @ SAHYADRI



Website: www.flotanomers.com Mail: info@flotanomers.com Mob: +91 94498 45967

Flotanomers Research & Development Pvt. Ltd.

- An Aerospace Company

We provide aerial solutions for industrial, environmental and agricultural sectors. The products are custom designed and tested in all possible conditions. We started this venture in order to make our innovative ideas to products and the knowledge into services. We have worked on these ideas since 2012 from the beginning of our engineering days. We have the spirit to go beyond the bounds of possibilities, as well as give opportunities to young enthusiasts. This start up is the first step towards our vision.

A platform for aero designers to develop and test their designs.

What we do!

We provide a wide range of Unmanned Aerial Vehicles, Micro UAV, Commercial Drones, Fixed Wing Drones, Industrial Drones and also offer Aerial Solutions for industrial, environmental and agricultural sectors. The drones are custom designed and tested in all possible conditions.

Who we are!

We started this venture in order is to make our innovative ideas to products and the knowledge into services. We have worked on these ideas since 2012 from the beginning of our engineering days. we strongly believe that we can make the impossible happen in our country we will grow as well as we will give opportunities to young enthusiasts.

Company Activities

UAV Manufacturing & Solutions



START UPS @ SAHYADRI



manframecomputers@gmail.com Mobile: +91 94483 63858

Dont Despair, We Repair

Manframe Computers Private Limited initially started with computer repair and expanded with sales, services, and training associated with basic electronics, computer card level and also computer advanced chip level. Providing all types of information enabled services and to carry on designing and dealing with computer hardware and basic electronics, managing institutions for imparting education in computer technology.

To carry on the business to manufacture, design, develop, formulate, buy, sell, import, export, provide on rent / annual contract basis of computers and a wide variety of other computer peripherals, personal computers, storage devices, audio and video equipment, semiconductors and other electronics components and wired and wireless communications devices

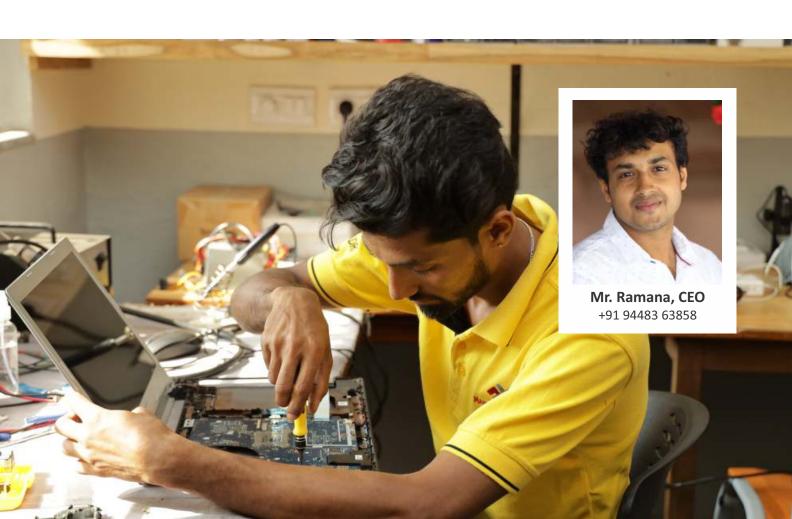
To carry on or undertake in India or elsewhere, either alone or in collaboration with any Person, firm or company, whether Indian or foreign, the business of providing training, consultancy, and services in the area of computer technology.

KEY FEATURES

- Internship
- Career Guidance
- Intensive training in the chip and card level
- Training in basic electronics and schematics
- All Payment Mode Option
- Live Project Training
- Free Demo Class Available
- Industry Expert Faculties
- Individual Approach for Every Student
- Doubt Clear Session
- Crash Course Duration 20 hours
- Full-Time Course 40 hours

SPECIALIZATION

- VLSI BOARD REPAIR
- ELECTRONICS
- SYSTEM DATA RECOVERY





Cell: +91 94498 45904 E-mail: capitaladvisors@sahyadri.edu.in

Sahyadri Capital Advisors LLP is a group firm of Sahyadri Institute of Engineering & Management providing financial & nonfinancial services. The main aim of this firm is to create conducive environment for financial inclusion and innovation and facilitate the students and the faculty fraternity to capitalize the real time exposure towards the different financial products and services available in the financial market. Our Emphasis is mainly on wealth creation and the customer care by providing sound professional advice to the client with the application of advanced technology and digitization.

"Stay Connected"

Networking is a Great Strength
which is very potential
- Believe in it.

PRODUCTS

- EQUITY
- F&O
- Mutual Funds
- Insurance

SERVICES

- Financial Training
- Financial Advisory and Consultancy Services.
- Internship Services
- Tax Consulting Services.
- Financial Literacy, advice and education.
- Banking Finance Research & Innovation Services.
- Fintech Services.





Mobile: +91 94498 45938 E-mail: info@tce360.com Web: www.tce360.com

In today's competitive world, the industry is looking for particular skill sets from a student along with their academic qualification. It requires students to continuously look for ways to develop his or her skills, abilities, and competencies to enhance their performance. Through our Technical Career Education program, the students gain effective skill enhancement training and become more capable, competent, and confident to start their careers.

Sahyadri Engineering college is a pioneer in transforming engineering students into industry ready professionals, enabling them to have better employable opportunities. Our TCE program envisages specific skill set training to students by providing real time industry environment within the campus and the students are trained by actual industry professionals. This enables them to spend more time in the real-time industry and learning the skills actually required and demanded by the industry. They can further choose their career by selecting customized industry oriented courses and specialization certifications offered by the industry.

Technical Career Education - TCE has entered into MoU with Sahyadri College of Engineering & Management and various Start-up companies which have been started within the campus. These companies are being managed and mentored by industry professionals having an average of over 15 years of experience in relevant industries.

Value Added Certified Courses

TCE certified courses for students for industry ready professionals. Specific training on trending domains such as cloud computing, Machine learning and Artificial intelligence, data analytics, Networking, ethical hacking, embedded system designing, Industry 4.0, Industrial Internet of Things—IOT and so on.





Courses offered by In-house Industries @ Sahyadri

Computer Science Engineering (CSE)			
Third Semester	C programming & Basics of C++ programming	Aptra Technologies	
Fourth Semester	Advance Programming in C++ and Java	Private Limited	

Information Science Engineering (ISE)		
Third Semester	C programming & Basics of C++ programming	Aptra Technologies
Fourth Semester	Advance Programming in C++ and Java	Private Limited

Electronics & Communication Engineering (ECE)		
Third Semester	Embedded System with C++ programming	RDL Technologies
Fourth Semester	Matlab & Python Programming	Private Limited

Mechanical Engineering (ME)		
Third Semester	Measurements & Metrology	Caliper Engineering &
Fourth Semester	Welding	Lab Pvt. Ltd.

Civil Engineering (CV)		
Third Semester	ActCAD	Sahyaware
Fourth Semester	Applications in Excel for Civil Engineering	Janyaware

Benefits of Industry Connect

- It allows to get trained with newer technologies which is the stepping stone towards employment
- Strengthens personality development such as communication, organizational, behavioral and leadership skills
- It allow to test out specific techniques learned in the classroom and get prepared for the real

Courses offered by In-house Industries @ Sahyadri

Computer Science Engineering (CSE)			
Fifth Semester	Machine Learning	Aptra Technologies	
Sixth Semester	Cyber Security	Private Limited	

Information Science Engineering (ISE)		
Fifth Semester	Machine Learning	Aptra Technologies
Sixth Semester	Cyber Security	Private Limited

Electronics & Communication Engineering (ECE)		
Fifth Semester	Machine Learning	RDL Technologies
Sixth Semester	Internet of things (IoT)	Private Limited

Mechanical Engineering (ME)		
Fifth Semester	Non Destructive Testing (NDT)	Caliper Engineering &
Sixth Semester	Computer Numerical Control (CNC)	Lab Pvt. Ltd.

Civil Engineering (CV)			
Fifth Semester	STAAD Pro	Sahyaware	
Sixth Semester	Visual Basic (VB)	Sallyaware	



Innovation Hub @ Sahyadri

Sahyadri has 10 in-house LLP'S comprising of students, faculty, industry personnel and mentors for which project funding has been facilitated by

Government of Karnataka, NAIN,
Industries and College.
It's a tech space for multi disciplinary learning



Sahyadri is a fast developing state-of-the-art education facility firmly rooted in Engineering & Management Education, located on the quietly flowing river Nethravathi at Adyar in Mangaluru, Dakshina Kannada district.

With the vast, modern, world class infrastructure and technically energizing academic environment, Sahyadri leads the way in delivering future ready Engineering & Management graduates who are future compliant & competent to serve the ever developing technological needs of the industries in India and around the world

The following LLP's are formed to convert the project to products and startup to entrepreneurship.

- SAMARPAN SAHYADRI TECH LLP
- SAMANVAYA SAHYADRI TECH LLP
- SAMAGRATHA SAHYADRI TECH LLP
- SAMYAMA SAHYADRI TECH LLP
- UTKARSHA SAHYADRI TECH LLP

- UDGAM SAHYADRI TECH LLP
- UDBHAV SAHYADRI TECH LLP
- RACHITH SAHYADRI TECH LLP
- MUDITHA SAHYADRI TECH LLP
- ABHIMAAN SAHYADRI TECH LLP



In **AICTE** portal, find for internship in Industries and Startup's

Register Now http://aicteinternships.in/







Empowering Young Minds



SAHYADRI

COLLEGE OF ENGINEERING & MANAGEMENT

(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi) Sahyadri Campus, Adyar, Mangaluru - 575 007 Follow us on

