



SUMMER INTERNSHIP PROGRAM ON ELECTRIC VEHICLE TECHNOLOGY

ORGANISED BY MARIAN ENGINEERING COLLEGE IN ASSOCIATION WITH SKYY RIDER INSTITUTIONS

ELIGIBLE FOR KTU ACTIVITY POINTS

ABOUT SKYY RIDER INSTITUTION

Skyy Rider Institutions is a leading skill development & job leading platform in India which offers a wide range of courses in association with top notch industry & universities which makes a students industry ready and upgrade in skills.

Electric Vehicle training by Skyy Rider is one of the finest in India. Skyy Rider works closely with 10+ EV manufacturers and ASDC (Skill India) to up-skill & make youth employable in EV sector.

Skyy Rider Electric: Skyy Rider Institutions' sister concern company [Skyy Rider Electric](#) is east India's biggest E-golfcart, Industrial van manufacturer; which makes Skyy Rider a EV Training Leader in India.

SKYY RIDER INSTITUTIONS

Got Awarded as
The Best Skill Development 2022
company of the year
by the **AICTE** Chairman
Prof. Anil Sahasrabudhe

Got Awarded as
The Best Skill Development 2023
company of the year
by the Director of **BITS Pilani**
(**Prof. Sudhir Kumar Barai**)
and the Dean of academics of the
S P Jain School of Global Management
(**Prof. Vaidyanathan Jayaraman**)
Consecutively for the
2nd time

Courses and Details (Offline Internship)

SL No.	Name of the Program	Duration	Course Details	Price
1	Electric Vehicle Technology (EV Technology+ Designing+ Assembly)	3 Weeks	Mentioned Below	Rs 5000 (per head for MEC students) Rs 6000 (per head for other institutions)

COURSE DETAILS

Introduction to Matlab programming language
Bearing data analysis using FFT
Introduction to Simulink
BMS modeling in Simulink
Modeling PID motor controller
Modeling of solar PV array
Battery pack design in Simulink
Modeling physical systems in Matlab

EV TECHNOLOGY:

- Introduction to EV(History, Type, Market Condition, Indian Market Condition).
- Major Components, How EV Works, Type Of EV.
- Motors, Type of Motors, Ac Motors
- DC motors, bldc motors, hub motor
- Controller, Working Principle Of Controller, Ac Controller.
- Dc controller, Buck Converter
- BMS (Types, function)
- EV Charger
- Introduction to HEV (History, type, major component)
- Types of fuel cell EV
- Energy Efficiency in EV and HEV
- Introduction to Fuel cell EV
- Types of fuel cell EV
- Circuit of diagram of golf cart

VEHICLE DYNAMIC

- Breaking System
- Differential and its working
- Transmission System
- Vehicle Dynamics
- Vehicle Geometry
- Calculation for Chassis Stiffness
- Steering Assembly and joints and working
- Suspension system
- Vehicle Packing
- Simulation and Analysis of Full vehicle

GOLF CART MANUFACTURING

MANUFACTURING PROCESS

- Basic Of Manufacturing
- Safety Tools
- Hand Tools And Machine Tools And Cutting Tools
- Moulding Technology, Type Of Moulding Technology

- Materials And Parameters
- Cutting And Hexing, Drilling
- Welding, Type Of Welding
- Sheet-Metal Operation(Notching, Blanking, Punching, Bending)
- Finishing Operation(Polishing, Additive Finishing, Painting)

GOLF CART MANUFACTURING

- Material Cutting Of Chassis, Welding Of Chassis
- Polishing Of Chassis, Powder Coating
- Painting Of Chassis
- Moulding Of Glass Fibres Of EV Body parts
- Polishing Painting Of Fibre Parts
- Cutting Of Sheet metal, Welding Of Sheet metal To The Chassis Frame
- Cutting And Welding Of Body Frame
- Cutting Of Roof Sheet metal, Punching Bending Of Sheet metal
- Polishing And Painting Of Roof Top
- Assembling Of Rear Differential, Assembling Of Motor, Leaf spring
- Assembling Of Front Axial
- Assembling Of Wheel
- Assembling Of Breaking System
- Welding Of Sit Frames, Battery housing
- Assembling Of Moulded Fibre Body Part
- Rooftop Mounting, And Body mounting
- Steering Mounting With The Front Axial
- Wiring Harness , Connection Of Motor , Battery And Controller
- Light Key Indicator And Other Electronic Connection
- Testing And Modification And Mating Stickers Final Polishing



Internship Schedule (10-5-2023 to 31-5-2023) (3 weeks)

Register @ <https://forms.gle/xi55CuQ95sUDSAEx7>

For more details contact Mr. Deepu R S @9020631911

Mr. Sujith Kumar AS @ 8590666880

Nijin V S @7306905600



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ELIGIBLE KTU ACTIVITY POINTS

Softwares TRAINING ON REVIT, PRIMAVERA & NAVISWORKS

FROM 2ND - 18TH MAY

DURATION : 15 DAYS

TIME : 9 AM TO 3 PM

9 AM TO 12 PM- TRAINING SESSION

1 PM TO 3 PM- PRACTICAL SESSION

VENUE : MARIAN COLLEGE OF ENGINEERING

TOTAL FEES : RS 3600/-

REGISTRATION FEES : RS 600/-

SCAN TO PAY



Come Join us and enrich your career
in BIM Industry

Contact us for more info



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BIM

Building Information Modeling (BIM) is revolutionizing the construction industry, providing a digital representation of a building's physical and functional characteristics. As a result, BIM has become an integral part of the construction process, creating new job opportunities and driving demand for skilled professionals.

OPPORTUNITIES IN BIM INDUSTRY

The process of BIM supports the creation of intelligent data that can be used throughout the lifecycle of a building or infrastructure project.

WHAT BIMLABS OFFER

We offer aspiring professionals a platform to gain extensive knowledge in Building Information Technology (BIM) and extend career opportunities through our placement services. We undertake AEC projects and provide services ranging from concept through construction and operations.

JOB OPPORTUNITIES IN THE BIM INDUSTRY INCLUDE

- ✓ BIM Manager
- ✓ BIM Coordinator
- ✓ BIM Modeler
- ✓ BIM Specialist
- ✓ BIM Engineer
- ✓ BIM Architect
- ✓ BIM Technician
- ✓ BIM Consultant
- ✓ BIM Trainer
- ✓ BIM Analyst

Some of the key skills required for a career in BIM include strong knowledge of BIM software, proficiency in CAD and 3D modeling, etc.

APPLY NOW



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INTERNSHIP IN GRAPHIC DESIGN AND VIDEO EDITING (60 HOURS)

Internship Significance

Media and Entertainment (M &E) industry technologies such as Animation, VFX, Multimedia, Gaming, virtual reality are the part of Metaverse- the futuristic technology. The applicability of visual technologies in the digitization initiatives are very significant and continue to grow in the future years. Mastering the skills of multimedia technologies such as graphic design and video editing are essential for all professional and non professional jobs for effective communication of their ideas for their day to day business transactions. Skills are also excellent to those who wants to build their career as multimedia artists & technicians.

Graphic design is a craft where professionals create visual content to communicate messages. Graphic designers create visual concepts, using computer software or by hand, to communicate ideas that inspire, inform, and captivate consumers. They develop the overall layout and production design for applications such as advertisements, brochures, magazines, reports, E learning materials etc.

Video editing is the manipulation and arrangement of video shots. Video editing is used to structure and present all video information, including films and television shows, video advertisements and video essays.

Who can attend: Students of all branches of engineering who has passion and creativity in designing. No artistic skills are needed.

Duration: 60 Hours, Including portfolio/project development

Course delivery: 4 hours/per day, 6 days/week

Hard ware requirement: 15 CPU, 8/16 GB RAM, 1TB HDD, 2GB Graphics card



Animation | VFX | Multimedia | Gaming
THIRUVANANTHPURAM



Internship fees: Rs.3600 only @Registration

Software tools used in the training:

Adobe Photoshop:

Adobe Photoshop is a critical tool for designers, web developers, graphic artists, photographers, and creative professionals. It is widely used for image editing, retouching, creating image compositions, website mockups, and adding Effects.

Adobe premiere pro:

Adobe Premiere Pro can be used for all common video editing tasks necessary for producing broadcast quality, high-definition video. It can be used to import video, audio and graphics, and is used to create new, edited versions of video which can be exported to the medium and format necessary for distribution

Career opportunity organisations:

- Web Designing Companies
- Advertising agencies
- Packaging Agencies
- Digital Marketing Companies
- Freelance Designing
- Graphic design studios
- Print & Publishing Houses, Newspapers, Magazines etc.
- OTT platforms, E-learning companies etc.

Internship outcome:

After attending the internship, you will have following competences:

- Professional Skills in Multimedia Designing & Editing
- Knowledge of Design Principles.
- Good exposure in industry standard software- Photoshop & Premiere .
- Insight into the opportunities and challenges of design career.
- Create High multimedia content using latest tools & techniques.

For More Information, Contact us.

Maya Academy of Advanced Cinematics (MAAC)

Tc No.29 - 4013 (5), 4th Floor, Marvallil Dr Koshy's Building, Panavila, Near SBI, Thiruvananthapuram - 695014, Kerala

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