



DEPARTMENT OF COMPUTER APPLICATION

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OUR VISION

To be an academic institute of continuous excellence towards education and research in rural regimes and provide service to the nation by nurturing potentially higher social, ethical and engineering companion graduands.

OUR MISSION

To foster and promote technically competent graduates by imparting state-of-the-art Engineering education in rural regimes.

To enunciate research-assisted scientific learning by disseminating knowledge towards science, agriculture, industry and national security.



CHAIRMAN'S MESSAGE

It is with great pleasure that I address you all through this newsletter, celebrating our shared journey and the remarkable strides we continue to make together. As Chairman, I am honoured to witness the dedication and passion that each of you brings to our esteemed institution. I am proud of the accomplishments we have achieved thus far, but I am even more excited about the possibilities that lie ahead. With your continued support and dedication, I am confident that we will reach new heights and continue to inspire generations to come.

-Shri. K. Neela Marthandam, Founder Chairman

It is with immense pleasure and pride that I extend my warmest greetings to each and every one of you. As the Pro Chairman of our esteemed institution, I am privileged to address you through this platform, celebrating our collective achievements and reaffirming our commitment to excellence. Our MCA program at Rohini College of Engineering and Technology stands as a beacon of innovation and academic rigor, nurturing bright minds and shaping future leaders in the field of computer applications. It is a testament to the dedication and hard work of our faculty, staff, and students that we continue to excel and push the boundaries of knowledge.

-Dr. N. Neela Vishnu, MBA., D. Litt., Pro Chairman



PRO CHAIRMAN'S MESSAGE



MANAGING DIRECTOR'S MESSAGE

As the Managing Director of Rohini College of Engineering and Technology, I am honoured to lead such a vibrant and dynamic community of scholars, educators, and learners. I am immensely proud of the achievements of our MCA students and faculty members. From groundbreaking research to innovative projects, your contributions continue to make a significant impact both within our institution and beyond. It is this spirit of excellence and dedication that sets Rohini College apart as a leader in the field of computer applications.

-Dr. V. M. Blessy Geo., MSc., Ph.D., Managing Director

It brings me great joy and pride to extend my warmest greetings to you all through this edition of our MCA newsletter. As the Principal of Rohini College of Engineering and Technology, I am privileged to lead and serve such a talented and dedicated community of students, faculty, and staff. I would like to take this opportunity to express my sincere gratitude to each and every member of our MCA community for your hard work, dedication, and contributions. Together, we will continue to push the boundaries of knowledge, inspire creativity, and shape the future of technology.

-Dr. R. Rajesh., ME., Ph.D., Principal



PRINCIPAL'S MESSAGE



HOD'S MESSAGE

As the Head of the Department (HOD) of Computer Applications at Rohini College of Engineering and Technology, it is both a privilege and a pleasure to address you through this newsletter. Our department stands as a vibrant hub of innovation and learning, where students are empowered to explore their passions, cultivate their talents, and pursue their academic and professional goals. With a dedicated faculty, state-of-the-art facilities, and a dynamic curriculum, we strive to provide our students with the knowledge, skills, and experiences they need to succeed in today's competitive and rapidly evolving field of computer applications. As we look to the future, let us continue to build upon the strong foundation we have established and strive for even greater heights of excellence and innovation.

-Mrs. R. Vahitha K. Thangam, HOD



Dr. A. KALAISELVI,
MCA, M.Phil, Ph.D

CHIEF EDITOR'S MESSAGE

It is a matter of immense pleasure for me to have contributed to this newsletter. The efforts put in by the team of the newsletter are commendable. Remember: Education is the key to unlocking the world. One Book, one pen, one child and one teacher can change the world. Let us all face new challenges together with a new global perspective. I wish you all the best for the future.

MCA PRESIDENT'S MESSAGE

As a MCA student, we have always been privileged to have a top-performing and participative culture, and this would not have been possible without the incredible support of our Head of Department and dedicated staff members. With a deep sense of admiration for our department, I extend my heartfelt wishes to all my friends for their future endeavours. May your endeavours be as exciting as your journey in MCA!



Mr. S. DEEPAK



M. AKSHAYA KAMALI, MCA

EDITOR'S MESSAGE

As the editor of our newsletter, it's our pleasure to welcome you to another edition filled with news, updates, and insights from our MCA community. In this issue, you'll find various articles highlighting the accomplishments of our students, faculty, and alumni. From innovative projects to insightful research, there's much to celebrate and learn from. We're also excited to feature upcoming events, opportunities for professional development, and tips for success in computer applications. As we embark on this journey together, we encourage you to engage with the content, share your feedback, and contribute your own stories and ideas for future editions. Your participation makes our newsletter a vibrant and valuable resource for our community.



K. SREE DEVI, MCA

GUEST LECTURE



Guest Lecture on career planning and development

The guest lecture on career planning and development, held on October 20, 2023, was a remarkable event that left a lasting impression on attendees. Teena Gracy, a seasoned Qualitative IT Analyst at CTS, spearheaded the session with wealth of experience and knowledge in the field. Throughout the workshop, Teena shared invaluable insights and strategies for effective career planning. Teena emphasized the importance of setting clear career goals, identifying individual strengths and weaknesses, and devising an action plan tailored to one's aspirations.

A significant aspect of Teena's discourse was her emphasis on the necessity of continuous learning in today's competitive job market and highlighted the need for professionals to stay abreast of industry trends and technologies to remain relevant in their careers. Teena's practical tips and advice resonated deeply with the audience, who expressed eagerness to implement her teachings in their career journeys. Overall, the lecture was a resounding success, leaving attendees inspired and motivated to take charge of their professional growth and development. Teena's expertise, coupled with engaging delivery, ensured that the session was not only informative but also transformative for attendees. Eventually, students to embark on a journey of self-discovery and pursue their career goals with renewed determination.



WORKSHOP



workshop on full-stack web development

The workshop on full stack web development, conducted on March

28th, 2024, was an outstanding learning opportunity that gave attendees a comprehensive understanding of website development. Gokulraj, an experienced iOS and Android developer at ZOI fintech Pvt. Ltd., led the workshop, infusing it with expertise and practical insights.

A notable aspect of the workshop was the focus on Node JS, a widely used JavaScript library for building user interfaces. Participants had the chance to delve deep into the intricacies of Node JS, gaining valuable insights into its functionalities and applications in web development.

What set this workshop apart was its hands-on approach to learning. Attendees were not just passive recipients of information; they actively engaged in practical exercises, solidifying their understanding of the concepts discussed. Gokulraj's engaging teaching style made the session interactive and enjoyable, ensuring that participants remained fully immersed in the learning process.



The workshop didn't just impart theoretical knowledge; it inspired attendees to apply what they learned in real-world scenarios.

Participants left the workshop feeling motivated and empowered to explore further in the field of full stack web development.

In conclusion, the workshop on full stack web development was a transformative experience for all involved. Under Gokulraj's mentorship and through practical learning, attendees gained valuable skills and knowledge that will serve well in their future endeavors. It was a testament to the power of hands-on learning and expert guidance in fostering professional growth and development in the field of web development.

INTERSHIPS



Wibits Web Solutions

At Wibits Web Solutions, the internship program is designed to provide interns with a rich educational learning experience in various aspects of web development and design. Wibit Web Solutions offers a structured curriculum covering key concepts and technologies relevant to web development. Interns receive training in programming languages such as HTML, CSS, JavaScript, and frameworks like React.js, Angular, or Vue.js. Interns have the opportunity to work on real-world projects under the guidance of experienced

developers and designers. These projects allow interns to apply theoretical knowledge to practical situations, gaining valuable hands-on experience in building websites, web applications, or other digital solutions. Wibit organizes technical workshops and seminars to supplement the interns' learning. These sessions may cover topics such as responsive design, user experience (UX) design principles, version control systems like Git, or backend development with technologies like Node.js or Python. Interns are encouraged to collaborate with their peers on projects and share knowledge and best practices. This peer learning environment fosters collaboration, communication, and teamwork skills, enhancing the overall learning experience.

AMAL SANJAI V
ASHIN R J
ASHMIKA K S
BIBITHA JOSEMIN C
DEEPAK S
ESAIVENI E
JENCE JOHN
LORREN BRITNEY A
MONISHA M
NANDHAKUMAR P
RAMKUMAR T
SUBITHA S



Ak Info Park Pvt Ltd

At AK Info Park Pvt Ltd, the internship program is crafted to provide interns with a rich educational learning experience in the realm of information technology and digital innovation. AK Info Park Pvt Ltd offers a structured curriculum encompassing fundamental concepts and advanced topics in IT. Interns are introduced to programming languages, database management systems, web development frameworks, and other relevant subjects essential for a career in technology.

ARCHANA P
SAHAYA RESHMA S
MARY SHANU C



Vugha Technological Solutions Pvt Ltd

At Vuga Technological Solutions Pvt Ltd, the internship program is meticulously designed to offer interns a comprehensive educational learning experience in technology and innovation. Vuga Technological Solutions provides interns with a structured curriculum covering fundamental concepts and advanced topics in technology. This curriculum includes areas such as programming languages, software development methodologies, database management systems, web development frameworks, and emerging technologies. Interns are immersed in hands-on projects that allow them to apply theoretical knowledge to real-world scenarios.

ISAI VANI M



Priya Think and develop

The internship program at Priya Think and Develop is centred around providing a comprehensive educational learning experience tailored to the field of software development and innovation. Priya Think and Develop offers a structured curriculum comprising fundamental concepts and advanced topics in software development. Interns are introduced to programming languages, algorithms, data structures, software engineering principles, and industry best practices. Interns engage in hands-on projects that allow them to apply theoretical knowledge to real-world scenarios. These projects cover a wide range of areas such as web development, mobile app development, data analysis, machine learning, and software testing.

TERREN BERLEY A
ASWINI R
MARY MINISHA BABI M
PAVITHRA I J
BABY SHALOM S
DHANALAKSHIMI T R



Marcello Tech

At Marcello Tech, the internship program focuses on providing a comprehensive educational learning experience tailored to technology and innovation. Marcello Tech offers a structured curriculum covering fundamental concepts and advanced topics in technology. Interns are introduced to programming languages, software development methodologies, data structures, algorithms, and other relevant subjects. Interns engage in hands-on projects that allow them to apply theoretical knowledge to practical scenarios. These projects encompass various domains such as software development, web development, mobile app development, data analysis, and artificial intelligence.

MANJU KRISHNA M
PREM SATHYA E
CHRISTA ROYAL C
ANJUVAISHNAVI C K
ANISHA I



Aruvi technology

At Aruvi Technology, the internship program is meticulously designed to provide interns with a holistic educational learning experience in the field of technology and innovation. Aruvi Technology offers interns a structured curriculum encompassing fundamental concepts and advanced topics in technology. This curriculum covers a wide range of areas such as programming languages, software development methodologies, database management systems, web development frameworks, and emerging technologies.

AJITHASHANMUGAPRIYA N



Webers Ink IT Architects

During their internship at Webers Ink IT Architects, the educational learning experience was exceptional and tailored to provide comprehensive knowledge in IT architecture. Webers Ink organized structured learning sessions covering the fundamental principles of IT architecture, including system design, network architecture, and security protocols. These sessions laid a solid foundation and provided a clear understanding of the core concepts. The educational aspect of the internship was reinforced

AKSHAYA KAMALI M

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MARY RAFEENA T

SANTHIYA S

AKSHA S

PREETHI JOSE S

ABINAYA K

RATHINI R

JENOVA REBOLIN J

SUKIN KUMAR S

MOHAMED SAJAN J

HARI K

KARTHIKEYAN S

VIMAL S S P

MOHAMED SHAKKIR M

MATHAN S

RAFIQ AHAMED S M

SIVA KRISHNAN A

AASBIN T

projects that allowed them to apply theoretical knowledge to real-world scenarios. From designing mock architectures to troubleshooting complex systems, each project served as a practical learning opportunity. Webers Ink regularly organized workshops and seminars conducted by industry experts in various domains of IT architecture. These sessions delved into advanced topics, emerging technologies, and best practices, offering invaluable insights and broadening our understanding of the field.

As an intern at Webers Ink, they had access to many learning resources, including online courses, textbooks, and industry publications. Additionally, the company provided access to cutting-edge tools and software used in IT architecture, enabling hands-on exploration and experimentation. One of the most significant educational benefits of the internship was the mentorship and guidance provided by senior professionals at Webers Ink. They not only shared their expertise but also offered personalised advice, career guidance, and constructive feedback, fostering continuous learning and growth. Overall, the educational learning experience during my internship at Webers Ink IT Architects was comprehensive, immersive, and highly beneficial. It equipped them with the knowledge, skills, and confidence to excel in IT architecture and laid a solid foundation for my future career endeavours.



Smec Automation Pvt Ltd

At SMEC Automation Pvt Ltd, the internship program is meticulously crafted to provide interns with a comprehensive educational learning experience in the field of automation and engineering. SMEC Automation offers interns a structured curriculum covering fundamental concepts and

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ARUN K S

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advanced topics in automation, control systems, and engineering. This curriculum includes areas such as PLC (Programmable Logic Controller) programming, SCADA (Supervisory Control and Data Acquisition) systems, industrial robotics, instrumentation, and process control. Interns actively participate in hands-on projects that allow them to apply theoretical knowledge to practical scenarios.



AVC Communication

At AVC Communication, the internship program is meticulously

BATRICK REIZON X

crafted to provide interns with a robust educational learning experience in the realm of communication and media technology. AVC Communication offers interns a structured curriculum covering fundamental concepts and advanced topics in communication and media technology. This curriculum includes areas such as communication theories, media production techniques, digital marketing strategies, content creation, and multimedia storytelling. Interns are actively involved in hands-on projects that allow them to apply theoretical knowledge to practical scenarios. These projects encompass various domains, including video production, graphic design, social media management, content writing, and digital advertising.



PanTech Solutions

At Pantech Solutions, the internship program is

ANUPKRISHNAN R

meticulously designed to provide interns with a comprehensive educational learning experience in the field of technology and engineering. Pantech Solutions offers interns a structured curriculum covering fundamental concepts and advanced topics in technology and engineering. This curriculum includes areas such as embedded systems, electronics, robotics, programming languages, and software development methodologies. Interns are actively engaged in hands-on projects that allow them to apply theoretical knowledge to practical scenarios. These projects span various domains, including hardware design, firmware development, sensor integration, IoT (Internet of Things), and automation. Through project-based learning, interns gain practical experience and hone their skills in technology and engineering.

INDUSTRIAL VISIT



The industrial visit to Spectrum Softtech Solutions Pvt Ltd on December 8, 2023, marked an eagerly anticipated opportunity for all participants. Spectrum Softtech Solutions, renowned as the pioneering IT company in Kerala, held a significant position within the industry, making the visit highly sought after. The company greeted by an atmosphere exuding professionalism and innovation, setting a tone of anticipation and excitement for the day ahead.

This tour provided with invaluable insights into the company's operations, infrastructure, and the impressive work being carried out by its talented team of professionals. Witnessing the innovative projects and solutions being developed firsthand was both enlightening and inspiring, giving deeper appreciation for the advancements within the IT sector.

One of the most rewarding aspects of the visit was the opportunity to interact with industry experts and professionals at Spectrum Softtech Solutions. These interactions facilitated meaningful exchanges of knowledge and expertise, allowing to learn from some of the best minds in the field. Through discussions and demonstrations, go through insights into various aspects of IT, from software development methodologies to cutting-edge technologies.

Moreover, the visit served as a source of inspiration for our own career paths in IT.

Seeing the dedication, creativity, and excellence demonstrated by the team at Spectrum Softtech Solutions inspired to aspire for similar achievements in the future endeavors. The experience was not only motivational but also provided with a renewed sense of passion and determination to excel in the dynamic field of technology.



ACHIEVEMENTS

AJITHA N

- Got 1st prize for hackathon at women's day celebration and St. Xavier college symposium

ASWINI R

- Completed Python

PAVITHRA I J

- Completed C++

ESAI VENI E

- Completed HDCA Course

PREM SATHYA E

- Learner Psychology
- Completed Python for data science in NPTEL

AKSHAYA KAMALI M

- Got 1st prize for PulliKolam at women's day celebration

MANJU KRISHNA M

- Completed Python

MARY SHANU C

- Completed Java

CHRISTA ROYAL C

- Got 1st prize for Art from Waste at the Women's Day celebration

RATHINI R

- Got 2nd prize for Face Painting at Ayyappa College of Arts and Science

ANJU VAISHNAVI C K

- Got 1st prize for Art from Waste at the Women's Day celebration

PREETHI JOSE S

- Got 2nd prize for Face Painting at Ayyappa College of Arts and Science and Fireless cooking at a women's day celebration

SANTHIYA S

- Got 2nd prize for Fireless cooking at a women's day celebration

MARY RAFEENA T

- Got 2nd prize for Poster design at St. Xavier College symposium

ARCHANA P

- Got 2nd prize for Poster design at St. Xavier College symposium

MANUNEETHI CHOZHAN M

- Completed Applied data science with Python & MongoDB developer and administrator

VIGNESH B NAIR

- Completed Applied data science with Python & MongoDB developer and administrator

ARUN K S

- Completed Applied data science with Python & MongoDB developer and administrator

ARUN C KURIAN

- Completed Applied data science with Python & MongoDB developer and administrator

Maximum Students Completed Azure Fundamentals

