RASA™
LIFE SCIENCE INFORMATICS

Unlock the world of Computational Biology with our diverse range of courses. Explore bioinformatics, genomics, molecular modeling, drug design, and NGS data analysis. Gain hands-on training and cutting-edge knowledge to make impactful contributions in this rapidly evolving field. Join us and embark on a transformative journey in scientific innovation.

COURSES OFFERED BY RASA

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INDUSTRIAL TRAINING (1 MONTH)

Duration: 1 month

Available Modules:
1) Bioinformatics
2) Chemoinformatics
3) Python-Biopython

Training Highlights:

- Industrial Training Certificate
- 1 Month of hands-on Practical Training
- Challenging Assignments for Better Understanding
- 2 interview calls
- Advanced syllabus
- Unlimited Backup classes
- Prerecorded sessions (with 2 months access)

OVERVIEW OF PROGRAM

Our 1-month industrial training program is designed to provide a comprehensive and immersive learning experience. Participants will receive an Industrial Training Certificate upon successful completion, validating their practical training and enhancing their professional credentials.

Throughout the training, participants will engage in a month of hands-on practical training, allowing them to apply their skills and gain valuable experience. Challenging assignments will be provided to foster a deeper understanding of the concepts and techniques covered.

To enhance career prospects, participants will have the opportunity for two interview calls, providing a platform to showcase their skills and explore potential job opportunities.

The program features an advanced syllabus, covering the latest industry trends and techniques to ensure participants stay at the forefront of their field.

For added convenience and flexibility, participants will have access to unlimited backup classes, ensuring they can revisit and reinforce their learning as needed.

Additionally, prerecorded sessions will be available with a two-month access period, allowing participants to review the content at their own pace.

This comprehensive training program aims to equip participants with the necessary skills, knowledge, and practical experience to excel in their chosen field.

INDUSTRIAL TRAINING (2 MONTHS)

Duration: 2 months

Available Modules:
1) Next Generation Sequencing Data Analysis
2) Computer Aided Drug Discovery
2) Molecular Modelling and Dynamics

Training Highlights:

- Industrial Training Certificate
- 2 Months of hands-on Practical Training
- Challenging Assignments for Better Understanding
- 2 interview calls
- Advanced syllabus
- Unlimited Backup classes
- Prerecorded sessions (with 4 months access)

OVERVIEW OF PROGRAM

Our 2-month industrial training program offers a comprehensive and immersive learning experience. Participants will receive an Industrial Training Certificate upon successful completion, validating their practical training and enhancing their professional credentials.

Throughout the training, participants will engage in two months of hands-on practical training, allowing them to apply their skills and gain valuable experience. Challenging assignments will be provided to foster a deeper understanding of the concepts and techniques covered.

To enhance career prospects, participants will have the opportunity for two interview calls, providing a platform to showcase their skills and explore potential job opportunities.

The program features an advanced syllabus, covering the latest industry trends and techniques to ensure participants stay at the forefront of their field.

For added convenience and flexibility, participants will have access to unlimited backup classes, ensuring they can revisit and reinforce their learning as needed.

Additionally, prerecorded sessions will be available with a four-month access period, allowing participants to review the content at their own pace.

This comprehensive training program aims to equip participants with the necessary skills, knowledge, and practical experience to excel in their chosen field.

RESEARCH TRAINING

Duration of course: 6 Months

Available Modules:
1) Bioinformatics
2) Next Generation Sequencing Data Analysis
3) Computer Aided Drug Discovery
4) Molecular Modelling and Dynamics

Training Highlights:

- 2 Months of hands-on training
- 4 Months project
- 100% Job Assistance
- 4 interview calls
- HR Sessions
- 6 Months Experience letter
- 1 Publication and 1 review
- Live Sessions
- Prerecorded sessions (with 9 months access)
- Unlimited backup sessions

OVERVIEW OF PROGRAM

Our 6-month research training program offers a comprehensive and immersive experience, encompassing various key components. Participants will engage in 2 months of intensive hands-on training, gaining practical skills and knowledge in their chosen field. This will be followed by a dedicated 4-month project phase, allowing participants to apply their skills to real-life research challenges.

We are committed to supporting participants in their career endeavors. Our program includes 100% job assistance, offering guidance in job search strategies, resume building, and interview preparation. Participants will have the opportunity to showcase their skills through 4 interview calls, increasing their chances of securing fulfilling job opportunities.

Understanding the importance of soft skills and professional development, our program includes HR sessions. These sessions focus on enhancing participants' communication skills, interview etiquette, and overall workplace readiness.

Upon successful completion of the program and project phase, participants will receive a 6-month experience letter, acknowledging their practical training and research experience.

We also encourage participants to contribute to the field through research publication. Participants have the opportunity to publish one research paper and undergo one review process, gaining recognition for their work and contributing to the scientific community.

Participants will have access to live sessions for interactive learning and can benefit from prerecorded sessions with a 10-month access period, providing flexibility and the ability to review the material at their own pace.

To ensure continuous support, unlimited backup sessions are available, enabling participants to seek additional guidance as needed.This comprehensive research training program aims to equip participants with practical skills, research experience, and valuable support to further their careers in the field.

RESEARCH INTERNSHIP

Duration: 9 Months

Available Modules:
1) Bioinformatics
2) Next Generation Sequencing Data Analysis
3) Computer Aided Drug Discovery
4) Molecular Modelling and Dynamics

Training Highlights:

- 3 months hands on practical training
- 6 months project
- Industrial Internship Certificate will be given after completion of Internship
- 9 months experience letter after completion of internship project
- 1 research and 2 review papers
- HR, Soft skills, CV making sessions
- Challenging assignments for better understanding
- 4 job interview calls
- 100% job assistance.
- Assistance in cover letter writing, SOP Writing
- Prerecorded sessions (with 1 year access)

OVERVIEW OF PROGRAM

Our 9-month research internship program provides a comprehensive and immersive experience for participants. It consists of 3 months of hands-on practical training, allowing participants to acquire essential skills in their field of interest. This is followed by a 6-month dedicated project phase, where participants can apply their knowledge and expertise to real-world research challenges.

Upon successful completion of the internship, participants will receive an Industrial Internship Certificate, recognizing their practical training and validating their professional accomplishments. Additionally, a 9-month experience letter will be granted, acknowledging their successful completion of the internship project and valuable research experience.

Participants will have the opportunity to contribute to the scientific community by publishing 1 research paper and 2 review papers, further enhancing their academic profile and impact.

To support their holistic development, the program includes HR, soft skills, and CV-making sessions, ensuring participants are equipped with essential professional skills. Practical-oriented hands-on training enables participants to gain practical expertise in their chosen field.

For enhanced career prospects, participants will receive 4 job interview calls, increasing their chances of securing desirable job opportunities. Our 100% job assistance program provides comprehensive support in job search strategies, cover letter writing, and SOP writing.

Participants will also have access to prerecorded sessions, available for 1 year, allowing them to revisit and reinforce their learning at their convenience.

This research internship program aims to equip participants with practical skills, research experience, valuable certifications, and extensive support to enhance their career prospects in the field.

INDUSTRIAL INTERNSHIP

Duration: 12 Months

Following 6 modules are covered in internship:
1) Bioinformatics
2) Chemoinformatics
3) Next Generation Sequencing Data Analysis
4) Computer Aided Drug Discovery
5) Molecular Modelling and Dynamics
6)) Python-Biopython

Training Highlights:

- 3-4 months hands on practical training
- 9 months project
- Challenging assignments for better understanding
- 12 months experience letter after completion of internship project
- 2 Research paper and 2 review paper publication
- HR, Soft skills, CV making sessions
- Unlimited job interview calls.
- 100% job assistance.
- Assistance in cover letter writing, SOP Writing
- Live Sessions
- Prerecorded sessions (with 1.5 year access)
- Unlimited backup sessions

OVERVIEW OF PROGRAM

Our 1-year industrial internship program offers a comprehensive and immersive experience, combining practical training, a dedicated project, and extensive support. Participants will engage in 3-4 months of hands-on practical training, acquiring essential skills in their chosen field. This will be followed by a 9-month project phase, providing an opportunity to apply their expertise to real-world challenges.

Upon successful completion, participants will receive a 12-month experience letter, recognizing their internship project and valuable research experience. They will also have the opportunity to contribute to the scientific community through the publication of 2 research papers and 2 review papers, enhancing their academic profile.

We prioritize the holistic development of participants through HR, soft skills, and CV-making sessions, ensuring they are well-prepared for the job market. Challenging assignments are provided to foster a deeper understanding of the subject matter.

To enhance career prospects, participants will have access to unlimited job interview calls and 100% job assistance, increasing their chances of securing rewarding job opportunities. We also provide assistance in cover letter writing and SOP writing to support participants in their job application process.

Live sessions offer interactive learning opportunities, allowing participants to engage with experts in the field. Prerecorded sessions will also be available with a 1.5-year access period, providing flexibility in reviewing the material at their own pace.

To ensure continuous support, participants have access to unlimited backup sessions, enabling them to seek additional guidance as needed.

This 1-year industrial internship program aims to equip participants with practical skills, research experience, valuable certifications, and extensive support to enhance their career prospects and make a significant impact in their chosen field.

SUMMER TRAINING:

Duration: 45 days

Available Modules:
1) Bioinformatics
2) Next Generation Sequencing Data Analysis
3) Computer Aided Drug Discovery
4) Molecular Modelling and Dynamics

Training Highlights:

- Summer Training Certificate.
- 30 Days hands on Practical Training.
- 15 days mini project
- Challenging Assignments for Better Understanding.
- Advanced syllabus
- Unlimited Backup classes
- Prerecorded sessions with 2 months access)

OVERVIEW OF PROGRAM

Our 45-day summer training program offers a comprehensive and immersive learning experience, with several key features. Participants will receive a Summer Training Certificate upon successful completion, validating their practical training and enhancing their credentials.

The program includes 30 days of intensive hands-on practical training, allowing participants to acquire essential skills and gain valuable industry experience. In addition, participants will undertake a 15-day mini project, providing an opportunity to apply their knowledge and showcase their abilities.

To foster a deeper understanding of the subject matter, challenging assignments will be provided. The program covers an advanced syllabus, ensuring participants stay up-to-date with the latest industry trends and techniques.

For added convenience and support, participants will have access to unlimited backup classes, allowing them to revisit and reinforce their learning as needed.

Prerecorded sessions will be available, providing flexibility to review the content at their own pace. These sessions can be accessed for a period of two months, ensuring ample time for comprehensive learning.

Overall, this 45-day summer training program aims to equip participants with practical skills, industry exposure, and valuable resources to excel in their chosen field.

DISSERTATION PROGRAM

Duration: 3-6 months

Available Modules:
1) Bioinformatics
2) Chemoinformatics
3) Next Generation Sequencing Data Analysis
4) Computer Aided Drug Discovery
5) Molecular Modelling and Dynamics

Highlights:

- 3-6 months Project
- 1-2 weeks training related to project
- Project letter
- Advanced syllabus
- Unlimited Backup classes
- Prerecorded sessions access

OVERVIEW OF PROGRAM

Our 3-6 month program offers a comprehensive learning experience with several key features. Participants will engage in a challenging 3-6 month project, allowing them to apply their skills and gain valuable practical experience.

To support the project, participants will receive 1-2 weeks of training related to the project, ensuring they have the necessary knowledge and tools to successfully complete their assigned tasks.

Upon completion of the project, participants will receive a project letter, recognizing their contribution and achievement. The program covers an advanced syllabus, providing in-depth knowledge and expertise in the chosen field.

For additional support and flexibility, participants have access to unlimited backup classes, allowing them to seek assistance and reinforce their learning as needed.

Prerecorded sessions will be available, providing access to valuable content and resources throughout the program, ensuring participants can review and consolidate their knowledge.

Overall, this program aims to provide participants with hands-on experience, advanced knowledge, and extensive support, enabling them to excel in their chosen field.

COMPARISON OF ALL COURSES

Features	Advanced Industrial Training	Research Training	Research Internship	Industrial Internship	Dissertation	Summer Training
Certificate	1 Certificate	3 Certificate	4 Certificate	6 Certificate	Project Certificate	1
Duration	2 Months	6 Months	9 Months	1 Year	1-6 Months	45 Days
Project	✗	✓	✓	✓	✓	✗
Job Assistance	✓	✓	✓	✓	✗	✗
Hr Sessions	✓	✓	✓	✓	✗	✗
Hands on Training program	✓	✓	✓	✓	✓	✓
Study Material Access	5 Months	10 Months	13 Months	19 Months		3 Months
Cover letter	✗	✓	✓	✓	✗	✗
SOP	✗	✓	✓	✓	✗	✗
Interview Calls	2	4	6	Unlimited	✗	✗
Experience Letter	✗	6 Months	9 Months	1 Year	✗	✗
Research Paper	✗	1	1	2	✗	✗
Review Article	✗	1	2	2	✗	✗
Elegibility	Graduate/Post Graduate/PhD/PostDoc/working Professionals from any Life science field	Graduate/Post Graduate/PhD/PostDoc/working Professionals from any Life science field	Graduate/Post Graduate/PhD/PostDoc/working Professionals from any Life science field	Graduate/Post Graduate/PhD/PostDoc/working Professionals from any Life science field	Under Graduates or Under Post graduates Students	Under Graduates or Under Post graduates Students
Skill Development	✓	✓	✓	✓	✓	✓
Looking for Promotion in Job	✓	✓	✓	✓	✗	✗
Who wants to fullfill Gap in Career	✗	✓	✓	✓	✗	✗
Placement Assistance	✓	✓	✓	✓	✗	✗
who want to switch career in bioinformatics	✗	✓	✓	✓	✗	✗
Industry Research Job Oriented Training	✓	✓	✓	✓	✗	✗
Helps Heigher Education In India or Abroad	✗	✓	✓	✓	✗	✗
Reseach Oriented Training	✗	✓	✓	✓	✗	✗
Real Time Research Project	✗	✓	✓	✓	✗	✗
Looking Reseach Publications	✗	✓	✓	✓	✗	✗

CURRICULUM

1. BIOINFORMATICS

1. Introduction to the course

2. Understanding NCBI and other databases- PUBMED, MESH

3. Proteomics

- Introduction to proteomics and understanding Protein databases- PDB, UNIPROT, pfam, interpro
- Protein Structure Organization and their role- PDBSUM.
- Secondary Structure Prediction-GOR , JPRED
- Protein Structure Visualization-Discovery studio, SPDV
- Tertiary Structure Prediction with servers- homology(swiss-model), ab initio(I-TASSER), threading(PHYRE) method
- Tertiary Structure Prediction with software- homology (MODELLER)
- Protein Structure Evaluation- QMEAN, PROCHECK

4. Pathway Analysis- KEGG, REACTOME

5. Interaction databases- STRINGS, STITCH

6. Understanding sequence alignment and its application

- Algorithms: Needleman wunch, Smith waterman,
- BLAST, FAST A
- Multiple sequence alignment-clustal omega,T-Coffee

7. Genomics

- Introduction with gene databases-GENE, SNP, Clinvar, dbVAR
- Genome Annotation and Visualization- Variation Viewer
- Gene finding and function prediction using GENSCAN
- General introduction to Gene expression in prokaryotes and eukaryotes, transcription factors Binding sites (SNP, EST, STS)

8. Primer Designing

- Design and analyze primers for PCR and real time PCR experiments.

9. Introduction to ORF finder and its application

10. Gene Prediction AND Expression

- Introduction to gene and gene prediction
- Determine Beginning and end positions of gene in genome and gene structure
- Codons; Discovery of split genes; Exons and Introns; Splicing;

11. Gene Prediction Tools: GenMark and GenScan

12. Phylogenetic tree construction and analysis-detail

- definitions of homologues, orthologues, paralogues
- Methods of phylogenetic analysis: UPGMA, WPGMA, neighbour joining method, , Maximum likelihood
- Mega-evolutionary and non evolutionary phylogenetic analysis, rooted and unrooted

13. Advanced Homology Modelling(MODELLER)- Level 2.

2. PYTHON/BIO-PYTHON

1. Introduction to Python

- Intro to Other Languages
- Python 2.X v.s. 3.X
- Features of Python

2. Data Types

- Strings
- Numbers : Integers & Floats
- Lists
- Tuple
- Dictionary
- Set

3. Code Structure Elements

- Comment
- Continue Line
- Operators

4. If, Else, Elif

CURRICULUM

5. **Iterate: For, While**
6. **Comprehensions**
7. **Functions**
8. **Modules**
9. **Object & Class**
10. **File Handling**

BIO-PYTHON

1. Introduction to Bio-python

2. **Sequences**
- **Transcription & Translation**
- **Sequence Annotation**
- **Parsing Sequence File**
- **Convert FASTA Files**

3. Alignment

4. BLAST

5. Access NCBI

6. Swiss-Prot

7. PDB

3. NGS DATA ANALYSIS

1. Overview of next generation sequencing technology
- What is NGS? And Basic concepts and important parameters

2. Introduction to NGS
- Sanger sequencing & Drawbacks of Sanger's sequencing
- NGS sequencing methods
- Examples of NGS systems

3. Sample preparation and kits used for preparation
- Whole genome sequencing, Exome sequencing, RNA sequencing, Methylation sequencing

4. Sample quality control

5. Genome Databases and File Formats
- Databases-GENEBANK, GENE, SNP
- File formats- fast q, gbk

6. Introduction to Galaxy
- How to upload data, Explore published histories , Generate new history, Changing dataset formats and editing attributes, Explore various NGS nodes

7. Variant analysis
- What is a genetic variation, Variant Calling using various method, Variant Annotations

8. Assembly- workflow development

9. RNA-Seq
- Biological theories on RNA-Seq experiments
- Alignment
- Gene expression analysis
- Alternative splicing
- Transcript variation
- Allele-specific expression

10. De-novo assembly
- Prokaryotic genome annotation
- BRIG analysis
- MLST

11. ChIP-seq
- Biological theories on ChIP-seq analysis
- DNA fragment evaluation
- Peak identification

12. Metagenomics sequencing analysis

13. NGS Data Visualization with Exploration with IGV
- View, Navigate and Browse large dataset
- Visualize specific region on Genome and View Alignment Workflow Development

14. wANNOVAR

CURRICULUM

4. CHEMOINFORMATICS

1. Introduction to CI
- History and evolution of chemoinformatics
- Application of chemoinformatics in drug designing

2. Chemical databases
- PUBCHEM, DRUGBANK, ZINC

3. Chemical/protein structure representation
- File formats-SMILES, SDF, MOL2, pdb

4. Chemical Structure visualization-CHEMAXON-marvin
- Energy minimization with marvin
- Physical and chemical property(s) prediction with marvin
- Novel structure sketch and check with marvin
- Computation of Chemical structure search/similarity search with marvin

5. ADMET studies
- Detailed study on ADMET
- ADMET prediction with server-ADMETSAR
- SWISS SIMILARITY and SWISS ADME

6. QSAR(AS PER PROJECT REQUIREMENT)
- 2D QSAR
- 3DQSAR
- Methodology and various descriptors used in QSAR

7. Patent search using literature

8. KNIME
- Substructure searching with KNIME
- Workflow for filtering compound using Element Filter
- Workflow for calculating XLogP
- Workflow for filtering molecule (Lipinski rule of five)
- Workflow for calculating molecular property
- Workflow for calculating fingerprint similarity
- Workflow for substructure search

9**. Structural similarity-** PubChem, DrugBank, Marvin, SwissSimilarity, Knime

10. Ligand Based Pharmacophore
- Designing pharmacophore
- Screening

5. DRUG DISCOVERY

1. Introduction to CADD- Drug
- Definition
- Functional Group and its properties
- Drug Receptor Interactions-STITCH
- Drug Design Strategy

2. Target identification- PDB database, Swiss target identification

3. Target Based Pharmacophore
- Designing pharmacophore
- Screening

4. Active site – literature, predictions, ligplot

5. Docking studies
- Introduction to docking
- Molecular docking-server(Patch Dock)
- Molecular docking-software (AutoDock Tools)

6. Virtual Screening
- Multiple molecular docking-software (AutoDock Vina and Raccoon)

7. Docking result analysis- using
- AutoDock Tools and Discovery Studio
- Protein-Ligand complex formation and Analysis

CURRICULUM

6. MOLECULAR DYNAMICS

1. Introduction to molecular dynamics

- Concept of molecular dynamic studies and its relation with bioinformatics and drug designing
- Importance of molecular dynamic studies

2. Introduction to LINUX

3. Introduction to GROMACS

4. Overview of Simulation steps

- Concept of protein cleaning
- Application of force field
- Neutralizing the system
- Understanding molecular dynamics parameter
- Energy minimization
- Protein Restrain Dynamics
- Final Analysis

5. Force Field

- Introduction to the concept of force fields in Molecular Dynamics.
- Various types of Force fields involved in Molecular Dynamics- OPLS, GROMOS96 43a1 force field
- Introduction to Non-bonded Interactions, Electrostatic Interactions and Van der Waals Interactions
- Hydrogen Bonding in Molecular Dynamics
- Importance of Force fields

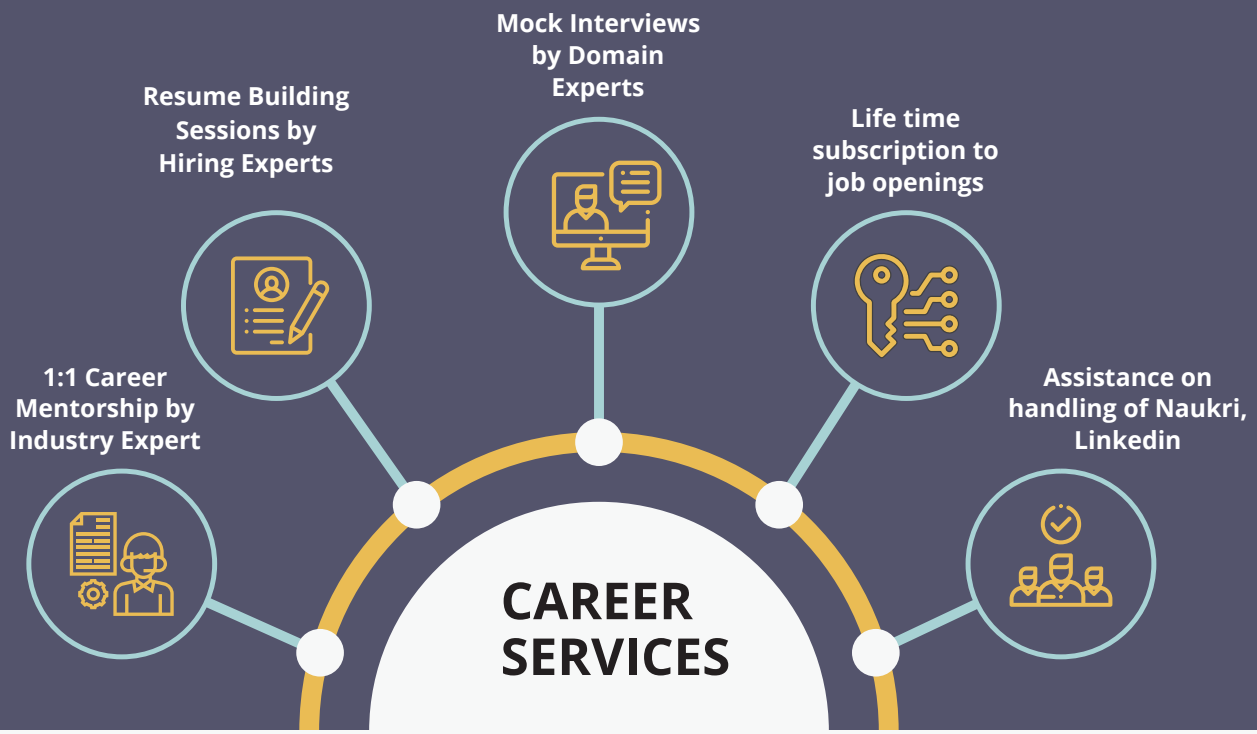
6. Significance of protein /system energy minimization

7. MD Simulations

- **Protein in water-**understanding typical steps involved in practical simulations. Here firstly GROMACS environment would be set; followed by simulation studies with respect to the basic system that is water.
- **Protein-ligand (complex)-**This involves practical application of theory and sets simulation system containing protein complex with ligand. Where all the steps will involve protein and ligand together.
- Result analysis

CAREER SERVICES

The placement department works hand in hand with you from the first placement session during the program launch right until the final mock interviews on course completion. We thoroughly prepare you to be interview-ready and ensure you land your dream job.



CERTIFICATION

Upon successfully completing this program, you'll earn an Industrial Training Certificate that will add considerable value to your professional credentials.


RASA
LIFE SCIENCE INFORMATICS

This is to certify that

Mr./Miss/Mrs./Dr. Sameer Chaudhary

has successfully completed 7 Days Training in Docking Studies

from 13th July 2020 to 20th July 2020

and has secured _____ grade.

Director

4th Floor, Shakuntal Building, Near Pastry Corner, Nal Stop, Law College Road, Erandwane, Pune - 411004.
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Certificate

NEVER MISS A CLASS!

We understand that learning is a continuous process, and to support our students in their academic journey, we provide them with access to pre-recorded sessions of their respective courses. The pre-recorded lectures are made available to our students to enable them to refer to the lectures and brush up on challenging concepts.

FACULTY

Our teaching staff comprises specialists from Bioinformatics backgrounds possess over 35 years of combined domain expertise that ensures your learning is industry-relevant and extremely job-specific.

4.6	4.6	4.8	4.7	4.7
Overall Rating	Experiential Learning & Practicality	Presentation Skills & Delivery	Enthusiasm for the Subject	Course Preparation & Organisation

SAMEER CHOUDHARY
CSO & Co-Founder
Education: M.Sc in Bioinformatics

Over 17 years of experience in bioinformatics and chemoinformatics domains. He is an ambitious, dynamic, dedicated, and sincere research scientist having detailed research experience. Represented Systems Biology (Insilico Division) India at the International Pharma Convention held at Oxford, UK, and delivered presentations to the top brass of leading players in the global Pharma and Biotech sector and generated business leads through above-par presentation skills. He has utilized, developed, and built expertise in various conventional research methods of designing, planning, and execution in the fields of bioinformatics, Cheminformatics, drug discovery, simulation studies, and NGS data analysis. Successfully concluded more than 50 research-related services and prepared research reports along with technical briefs.

SAPANA MEHANDALE
Director & Co-Founder
Education: Master in Bioinformatics

She has Over 16 years of experience as a software developer Bioinformatics domain expert and business owner. Expertise in areas ranging from business administration to marketing, product development, and services, training students and professionals.
Expert knowledge in all facets of software development life cycle, technical support, training to new recruits, Bio-informatics & Chemo-informatics tools, and databases Recognized by clients and colleague as consummate professional with high degree of personal integrity. She knew for contagious passion for excellence, a talent for resourceful business solutions and capacity for motivational leadership. Possess outstanding communication and presentation abilities. Effectively market the tangible / intangible products and services; skilled in persuasive presentation and profitable negotiation. Offer excellent customer relation skills.
Co-authored in 20 publications in peer-reviewed high impact factor journals (4 book chapters (submitted), 9 research papers(submitted), 7 review papers (submitted, final stage), and 4 review papers (final editing)

FACULTY

Our teaching staff comprises specialists from Bioinformatics backgrounds possess over 35 years of combined domain expertise that ensures your learning is industry-relevant and extremely job-specific.

4.6	4.6	4.8	4.7	4.7
Overall Rating	Experiential Learning & Practicality	Presentation Skills & Delivery	Enthusiasm for the Subject	Course Preparation & Organisation

SAKSHI RAWAT
Senior Application Scientist
Education: B.Tech in Biotechnology

Sakshi believes in the power of possibilities in science. With her 7+ years of experience in life sciences, she is not only leading various research projects and company services but has successfully completed various research projects. She is a trained professional and has conducted more than 15 national/international level workshops along with training more than 650 trainees on various life science-related subjects. Her area of expertise includes bioinformatics, molecular modeling, simulations, chemoinformatics, drug designing, and next-generation sequence data analysis.

SHRUTI DESHMUKH
Junior Application Scientist
Education: MSc in Microbiology

Ambiguous, dedicated, and sincere research scientist with deep knowledge and research experience in the fields of Biotechnology and Bioinformatics. Shruti Deshmukh is Jr. Application Scientist at RASA Life Science Informatics, wherein she has utilized my skills, and prior knowledge in Molecular Biology to develop and build new expertise in various conventional research methodology designing and executions in the field of bioinformatics, next-generation sequencing data analysis, computer-aided drug designing, and molecular dynamic and simulation studies.
Successfully concluded and assisted in more than 15 research-oriented services and in preparations of Analytic reports along with a technical briefing on respective research study.
She has trained more than 80 research trainees, and 175 industrial trainees in the fields of bioinformatics and NGS data analysis; managed and coordinated multiple research projects simultaneously.

Student Reviews

Kashmira Lad

Completed 6 month RT-NGS course. The training was very helpful and the study materials provided were thorough and insightful. Trainers and HR helped time to time for doubt resolution. Project topic was interesting and it was fun working on it. Trainers are supportive and ready to answer all your queries. Thank you RASA LSI!

Shada Fathima Meenpidiyil

Successfully completed my research training in NGS from RASA. I had a wonderful experience while working with RASA. Flexible time schedule, detailed and quality contents, pre-recorded videos, study materials, HR sessions for job assistance are the plus points of RASA.

RESGISTRATION

Registration entails the payment of fees and completing the registration process. Following this, you will receive a confirmation email containing the registration form, as well as your login details. Kindly contact us directly to complete registration process.

For Terms & Conditions visit on:
https://www.rasalsi.com/terms-and-conditions/