


FACULTY PROFILE

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|--|--|---|---------------|------------------------|--------------|---|
| Name of the Faculty: | | NALAM KARUNAKAR | | | |  |
| Designation: | | ASSISTANT PROFESSOR | | | | |
| Department: | | MATHEMATICS | | | | |
| Date of Birth: | | 29-07-1970 | | | | |
| AICTE – ID: | | 1-429525956 | | | | |
| Education | | <ul style="list-style-type: none"> • B.Sc.in Maths, Physics and Chemistry from Nagarjuna University in 1990. • M.Sc. in Mathematics from Sri Venkateswara University in 1992. • M.Phil. in Mathematics from Osmania University in 1995. | | | | |
| Experience | | Teaching: 30 Years | Industry: NIL | Total: 30 Years | | |
| | | Research: 3 Years | Others: NIL | | | |
| Research Specialization | | Algebra and Graph Theory | | | | |
| Courses taught | | <ol style="list-style-type: none"> 1. M.Sc. Algebra 2. M.Sc. Galois' Theory 3. M.Sc. Topology 4. M.Sc. Rings And Modules 5. M.Sc. Non Commutative Rings 6. M.Sc. Complex Analysis 7. M.Sc. Graph Theory 8. M.Sc. Linear Algebra 9. M.Sc. Functional Analysis 10. B.Tech. Linear Algebra And Ordinary Differential Equations 11. B.Tech. Numerical Methods And Advanced Calculus 12. B. Tech. Probability And Statistics 13. B. Tech. Complex Analysis And Special Functions 14. B. Tech. Discrete Mathematics | | | | |
| Research contributions | | | | | | |
| International/national peer reviewed journals | | | | | | |
| S. No. | Title of paper | Journal | Year | Volume | pages | Indexing SCI/WoS/ SCOPUS, Google scholar) |
| 1 | Eccentric-connectivity, GA, Harary, hyper-Wiener and | International Journal of | 2012 | Vol.4, Issue-1 | 57-63 | |

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|---|--------------------------------------|-------------------------------------|--|--|--|--|
| | Wiener Polarity indices of Helicenes | Applied Mathematics and Computation | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

Books published

| S. No. | Title of the book | Publisher | year |
|--------|-------------------|-----------|------|
| 1 | NIL | | |

Book chapters Published

| S.No. | Title of the Chapter | Book title | Publisher | year |
|-------|----------------------|------------|-----------|------|
| 1 | NIL | | | |

Details of Patents (Filed & Granted)

| S. No. | Applications number | Title of the patent | Date of filing/publishing | Published/granted |
|--------|---------------------|---------------------|---------------------------|-------------------|
| 1 | NIL | | | |

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

| S.No. | Name of the event | Role | Dates |
|-------|--|-------------------|--------------------------|
| 1. | Linear Regression Analysis | Organizer | 25-10-2019 to 26-10-2019 |
| 2. | Applications of Mathematics in Various Fields with Innovative Approaches | Staff Coordinator | 21-11-2023 to 25-11-2023 |
| 3. | Innovative Applications of Mathematics (IAM-2024) | Staff Coordinator | 18-11-2024 to 23-11-2024 |
| 4. | Innovative Applications of Mathematics (IAM-2025) | Staff Coordinator | 17-11-2025 to 22-11-2025 |

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

| S.No. | Name of the event | Organized by | Dates |
|-------|---|---|--|
| 1. | Reference course in Mathematics | Acharya Nagurjana University, Nagurjana Nagger | 20-02-1997 to 19-03-1997 |
| 2. | National seminar on Algebra and its Application | Department of Mathematics Osmania University, Hyderabad | 29 th and 30 th march 2003 |
| 3. | DST sponsored National Workshop | Department of | May 26-30, 2008 |

| | | | |
|------------|---|--|--|
| | “Some Recent Research Directions in Graph Theory” | Mathematics, Kharagpur | |
| 4. | Combinatorics and Graph Theory | NBHM, Pune | 8th May to 4th June, 2009 |
| 5. | Hands on 2day workshop on statistical data Analysis using R | VIT-AP | 8th & 9th Dec, 2018 |
| 6. | 2-week refresher course in Mathematics | Ramanujan College, | 16th to 30th March, 2021 |
| 7. | Outcome Bases Curriculum Design | NIITTR, Chandigarh | 05-09-2022 to 09-09-2022 |
| 8. | 5Day FDP on Applications of Mathematics in Applied Science and Engineering | GMRIT, Warangal | 30-01-023 to 03-02-2023 |
| 9. | 5 Day FDP in Mathematics in Real, Applied and Computational Domains | Sathyabama Institute of Science And Technology | 3rd to 8th July, 2023 |
| 10. | International Faculty Development Program(FDP) “Working with Emotional Intelligence and Life Skills Management(WEILSM) | Department of English, Bapatle Engineering College, Bapatla | 02-12-2024 to 06-12-2024 |
| 11. | A One Week Online International Work shop on “Mathematics: Briding Ideas And Innovations(MBII-2024) | Bapatle Engineering College, Bapatla | 16-12-2024 to 21-12-2024 |

Awards/recognitions/achievements

| S.No. | Name of the Award | Awarding body/Society/Organization | Year |
|--------------|---|---|---------------------------------|
| 1 | Best Teacher Award | Bapatla Engineering College, Bapatla | 2022 |
| 2. | Advanced Calculus for Engineers | NPTEL | OCT, 2022 |
| 3. | Engineering mathematics-1 | NPTEL | OCT, 2023 |
| 4. | Essential Mathematics for Machine Learning | NPTEL | OCT, 2024 |
| 5. | Presented a paper “Consolidated Topological Indices of Linear Cata-Condensed Benzenoids and Linear Phenylenes: A brief Approach” | BEC, Bapatla | 08-09-2025 to 10-09-2025 |
| 6. | Calculus-II | NPTEL | OCT, 2025 |

Details of project proposals submitted/sanctioned/completed

| S.No. | Title of the Project | Funding body | Submitted/ | Amount | Year/ |
|--------------|-----------------------------|---------------------|-------------------|---------------|--------------|
|--------------|-----------------------------|---------------------|-------------------|---------------|--------------|

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|--|-----|--|--------------------------|--|----------|
| | | | Sanctioned/ Completed | | duration |
| | NIL | | | | |

Consultancy contribution

| S.No. | Year | Amount | Details |
|-------|------|--------|---------|
| 1 | NIL | | |

Student Project/research guidance

| S.No | Level | Total number | |
|------|-------|----------------|--------------|
| 1 | UG | Completed: NA | Ongoing: NA |
| 2 | PG | Completed: 1 | Ongoing: NIL |
| 3 | PhD | Completed: NIL | Ongoing: NIL |

Administrative experience

| S.No. | Role | Duration (From – to) |
|-------|---|-----------------------|
| 1 | Assistant of Controller of Examinations | Sep, 2016 - Sep, 2019 |

Research credentials

| Index/database | ID/Link |
|----------------|---|
| Google Scholar | https://scholar.google.com/citations?user=gLWq0LUAAAAJ&hl=en&oi=ao |
| SCOPUS | |
| Web of Science | |
| Vidwan ID | https://vidwan.inflibnet.ac.in/profile/324373 |
| ORCID | https://orcid.org/0000-0002-9638-2036 |

Any other relevant information

NALAM KARUNAKAR
04-03-2026